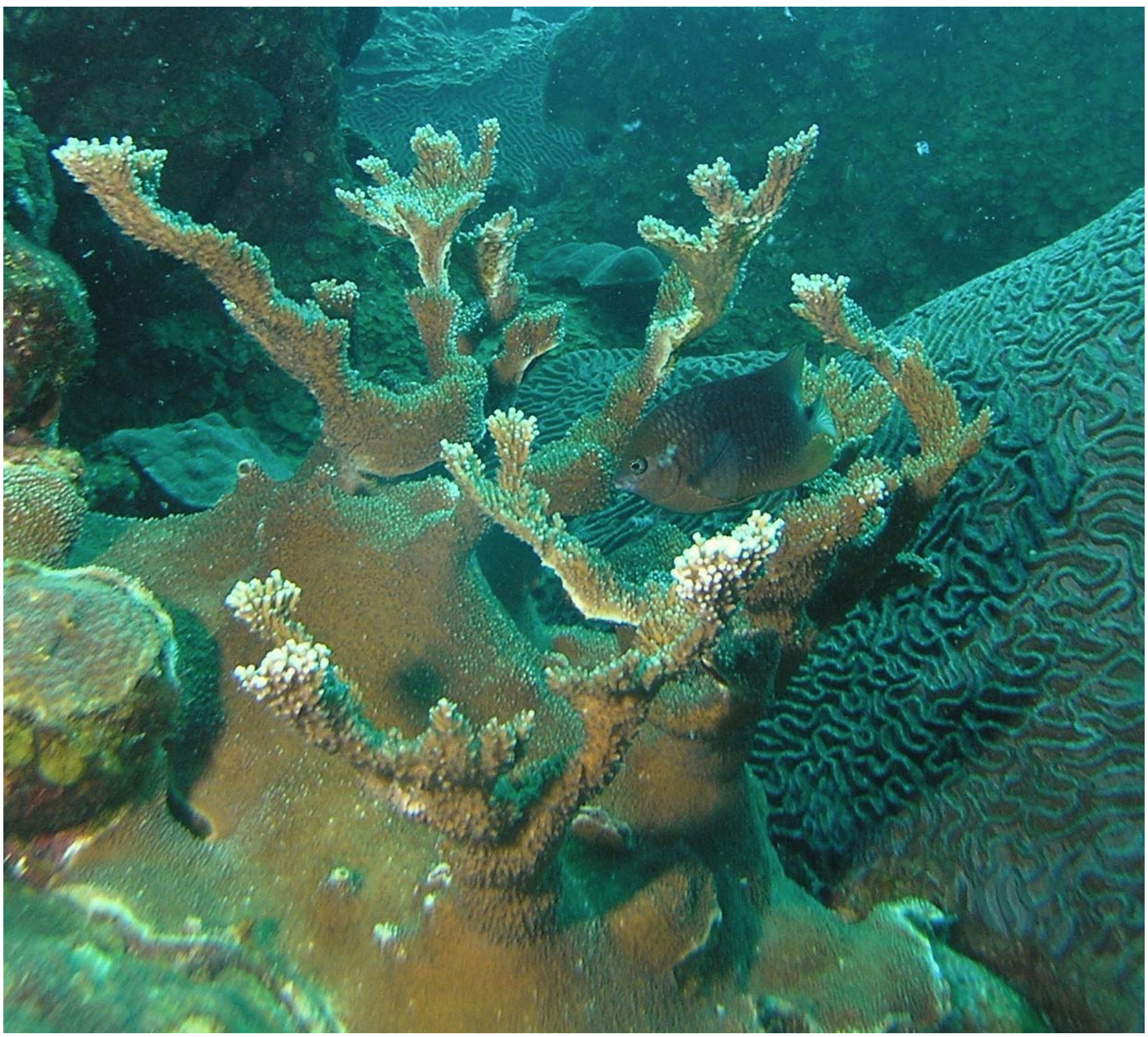
OCS Study
MMS 2008-028

Long-Term Monitoring at the East and West Flower Garden Banks, 2004-2005 – Interim Report

Volume II: Appendices



U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

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Long-Term Monitoring at the East and West Flower Garden Banks, 2004-2005 – Interim Report

Volume II: Appendices

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ABOUT THE COVER

The cover art depicts a colony of *Acropora palmata* at the East Flower Garden Bank and was photographed by Emma Hickerson in 2005, Research Coordinator for the Flower Garden Banks National Marine Sanctuary.

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Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2004					
	NW Transect 1	**NW Transect 2**	**NW Transect 3**	**NW Transect 4**	**SW Transect 5**
CORAL					
Agaricia agaricites	0.00	0.00	0.60	1.40	0.00
Colpophyllia natans	1.60	1.40	0.20	14.40	0.00
Coral (general)	0.00	0.00	0.00	0.00	0.00
Diploria strigosa	14.60	6.00	0.00	7.20	32.80
Madracis decactis	0.20	1.60	0.00	3.60	0.00
Millepora alcicornis	0.80	0.40	0.20	2.80	0.40
Montastraea sp. complex	27.40	32.40	2.00	13.60	17.60
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	2.80	7.20	27.80	12.80	13.60
Montastraea faveolata	17.80	14.80	0.20	1.40	4.20
Montastraea franksi	9.60	17.60	1.80	12.20	13.40
Mussa angulosa	0.00	0.00	0.00	0.20	0.00
Porites astreoides	11.20	11.00	11.20	12.20	3.60
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea	0.00	0.00	0.00	0.00	3.80
Stephanocoenia intercepta	0.00	0.00	0.00	0.60	0.00
SPONGES					
Sponge	0.00	0.20	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00	0.80
ALGAE					
Crustose coralline turf, bare	36.40	31.00	19.40	22.80	13.60
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	2.60	1.20	2.20	1.60	1.80
Macroalgae	1.20	1.80	0.00	0.00	0.00
Turf	0.20	4.20	35.00	6.20	4.60
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.20
Serpulidae	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Crustose coralline algae	0.00	0.00	0.00	0.00	0.20
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.60	0.00
Sand	0.00	0.00	0.00	0.00	1.60
UNKNOWNS					
Unknown	1.00	1.60	1.40	0.00	5.40
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2004					
	SW Transect 6	**SW Transect 8**	**SE Transect 10**	**SE Transect 11**	**SE Transect 12**
CORAL					
Agaricia agaricites	0.00	0.80	0.00	0.40	0.40
Colpophyllia natans	12.40	0.20	0.80	0.00	0.00
Coral (general)	0.00	0.00	0.00	0.40	0.40
Diploria strigosa	33.20	12.20	20.40	12.80	13.40
Madracis decactis	0.00	2.60	1.60	0.00	0.20
Millepora alcicornis	0.40	5.60	0.00	3.20	0.00
Montastraea sp. complex	17.00	16.40	21.80	21.60	61.20
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	7.20	4.20	6.20	13.20	0.00
Montastraea faveolata	10.80	2.20	11.20	0.20	58.20
Montastraea franksi	6.20	14.20	10.60	21.40	3.00
Mussa angulosa	0.00	0.20	0.00	0.00	0.00
Porites astreoides	3.60	9.80	8.00	12.80	5.20
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.60	3.40	0.00	0.00
SPONGES					
Sponge	0.00	3.40	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	25.20	39.80	36.20	12.80	5.80
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	0.80	1.40	0.80	4.00	1.80
Macroalgae	0.00	0.60	0.00	0.00	0.00
Turf	0.00	1.80	0.40	12.20	9.60
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.00	0.00	0.00	0.40	0.40
CORALLINE ALGAE					
Crustose coralline algae	0.00	0.00	0.00	0.00	0.00
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.00	0.20	0.00	0.00	0.00
UNKNOWNS					
Unknown	0.20	0.20	0.40	6.20	1.60
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2004				
	SE Transect 13	NE Transect 14	NE Transect 15	NE Transect 16
CORAL				
Agaricia agaricites	0.00	0.00	0.20	0.40
Colpophyllia natans	6.20	0.00	2.20	0.00
Coral (general)	0.00	0.00	0.20	0.20
Diploria strigosa	6.20	9.00	0.40	1.60
Madracis decactis	0.00	0.00	0.00	0.00
Millepora alcicornis	0.60	0.60	0.20	4.60
Montastraea sp. complex	43.40	58.20	48.60	40.80
Montastraea annularis	0.00	0.00	0.00	0.00
Montastraea cavernosa	2.40	2.00	2.20	6.60
Montastraea faveolata	0.00	9.40	7.00	16.40
Montastraea franksi	43.40	48.80	41.60	24.40
Mussa angulosa	0.00	0.00	0.00	0.00
Porites astreoides	12.20	4.00	6.80	3.00
Scolymia cubensis	0.00	0.00	0.00	0.00
Siderastrea siderea	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00
SPONGES				
Sponge	0.00	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00
ALGAE				
Crustose coralline turf, bare	9.20	10.80	7.40	21.80
Dictyota sp.	0.00	0.00	0.00	0.00
Lobophora sp.	2.00	3.00	2.60	0.20
Macroalgae	0.00	0.00	0.00	0.60
Turf	11.20	10.20	25.40	17.20
OTHER LIVE				
Ascidian	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.20	0.00
Serpulidae	1.00	0.60	0.00	0.00
CORALLINE ALGAE				
Crustose coralline algae	0.00	0.00	0.00	0.00
SAND, RUBBLE				
Rubble	0.00	0.00	0.00	0.00
Sand	0.00	0.00	0.00	0.00
UNKNOWNS				
Unknown	5.60	1.60	3.60	3.00
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2005						
	SW Transect 1	**SW Transect 2**	**SW Transect 4**	**SE Transect 5**	**SE Transect 6**	**SE Transect 7**
CORAL						
Agaricia agaricites	1.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans	16.20	0.00	0.00	0.00	0.00	2.60
Coral (general)	2.20	0.00	0.40	0.20	0.00	0.00
Diploria strigosa	0.80	16.20	16.80	8.20	6.80	5.60
Madracis decactis	3.80	0.00	1.00	1.00	1.20	0.00
Millepora alcicornis	0.20	0.00	0.00	8.40	4.00	0.00
Montastraea sp. complex	13.20	19.60	10.00	16.20	17.20	44.80
Montastraea annularis	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	2.40	0.60	5.80	1.40	1.60	0.20
Montastraea faveolata	0.60	1.00	3.00	2.20	5.80	12.40
Montastraea franksi	12.60	18.60	7.00	14.00	11.40	32.40
Mussa angulosa	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides	7.60	9.20	3.40	15.00	18.00	1.60
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea	4.80	0.80	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	7.00	0.00	0.00	0.00
SPONGES						
Sponge	0.60	0.00	0.80	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00	0.00
ALGAE						
Crustose coralline turf, bare	11.40	5.40	10.40	6.20	8.00	6.60
Dictyota sp.	0.00	0.00	1.80	0.00	0.00	0.00
Lobophora sp.	12.80	22.80	18.20	29.40	31.80	21.00
Macroalgae	0.20	0.00	0.00	0.00	0.00	0.00
Turf	17.20	20.80	13.60	6.80	6.00	9.20
OTHER LIVE						
Ascidian	0.00	0.00	0.20	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.20	0.00	0.00
Serpulidae	0.00	0.00	0.20	0.40	0.00	0.00
CORALLINE ALGAE						
Crustose coralline algae	1.00	0.20	4.00	2.60	0.40	0.80
SAND, RUBBLE						
Rubble	0.00	0.00	0.00	0.00	0.00	0.00
Sand	1.60	0.20	3.40	0.00	0.00	0.20
UNKNOWNS						
Unknown	3.00	4.20	3.00	4.00	5.00	7.40
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2005					
	SE Transect 8	**NE Transect 9**	**NE Transect 10**	**NE Transect 11**	**NE Transect 12**
CORAL					
Agaricia agaricites	0.00	0.00	0.00	0.00	0.20
Colpophyllia natans	2.20	0.00	4.00	1.40	0.00
Coral (general)	0.00	0.00	0.20	0.00	0.00
Diploria strigosa	1.40	4.00	1.00	3.00	8.20
Madracis decactis	0.40	0.20	0.00	4.80	0.00
Millepora alcicornis	1.00	1.60	1.40	3.80	1.20
Montastraea sp. complex	26.00	55.00	65.60	20.40	18.80
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	16.00	3.80	0.00	2.60	3.20
Montastraea faveolata	6.00	16.80	10.40	2.60	8.00
Montastraea franksi	20.00	38.20	55.20	17.80	10.80
Mussa angulosa	0.00	0.00	0.00	0.00	0.00
Porites astreoides	12.80	3.80	5.40	7.80	6.00
Scolymia cubensis	0.00	0.00	0.00	0.00	0.20
Siderastrea siderea	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00	0.00
SPONGES					
Sponge	0.00	0.00	0.20	0.40	0.80
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	8.40	2.80	2.20	8.80	18.20
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	14.20	22.20	7.40	23.00	21.80
Macroalgae	0.40	0.00	0.00	0.00	0.00
Turf	8.80	1.60	2.80	11.20	8.80
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.20	0.00	0.20	0.00
Serpulidae	0.20	0.20	0.40	0.00	0.00
CORALLINE ALGAE					
Crustose coralline algae	5.40	3.00	8.40	8.80	9.00
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.00	0.00	0.00	0.00	0.00
UNKNOWNS					
Unknown	2.80	1.60	1.00	3.80	3.60
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

East Flower Garden Bank 2005				
	NW Transect 13	**NW Transect 14**	**NW Transect 15**	**NW Transect 16**
CORAL				
Agaricia agaricites	0.00	0.00	0.40	0.00
Colpophyllia natans	0.20	0.00	0.00	0.00
Coral (general)	0.20	0.60	0.80	0.20
Diploria strigosa	4.60	4.20	3.20	5.20
Madracis decactis	0.00	0.00	0.80	0.00
Millepora alcicornis	1.00	0.00	0.20	1.60
Montastraea sp. complex	27.80	22.00	25.00	20.40
Montastraea annularis	4.80	0.00	0.00	0.00
Montastraea cavernosa	0.40	10.40	0.80	1.80
Montastraea faveolata	11.20	17.40	4.00	5.40
Montastraea franksi	11.80	4.60	21.00	15.00
Mussa angulosa	0.00	0.20	0.00	0.80
Porites astreoides	2.60	5.80	7.80	6.40
Scolymia cubensis	0.00	0.00	0.00	0.00
Siderastrea siderea	3.40	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00
SPONGES				
Sponge	0.00	0.20	0.00	0.40
Xestospongia sp.	0.00	3.80	0.00	0.00
ALGAE				
Crustose coralline turf, bare	16.80	4.60	10.00	10.40
Dictyota sp.	0.00	1.20	0.40	0.00
Lobophora sp.	21.60	25.20	25.60	41.80
Macroalgae	0.00	0.00	0.40	0.00
Turf	18.80	15.40	18.80	7.40
OTHER LIVE				
Ascidian	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.20	0.00
Serpulidae	0.00	0.00	0.00	0.00
CORALLINE ALGAE				
Crustose coralline algae	0.60	1.00	2.60	1.40
SAND, RUBBLE				
Rubble	0.00	0.00	0.00	0.00
Sand	0.60	1.60	0.00	0.00
UNKNOWNS				
Unknown	1.40	3.80	3.00	2.20
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2004					
	SW Transect 1	**SW Transect 2**	**NW Transect 3**	**NW Transect 4**	**NE Transect 5**
CORAL					
Agaricia agaricites	1.40	0.40	1.00	0.80	0.00
Colpophyllia natans	13.60	5.20	0.00	1.20	22.40
Coral (general)	0.00	0.60	0.60	0.00	0.00
Diploria strigosa	14.80	2.80	9.80	0.00	19.40
Madracis decactis	0.00	0.00	0.00	0.20	6.80
Millepora alcicornis	0.00	0.00	4.40	7.40	0.00
Montastraea sp. complex	21.40	29.80	31.40	26.00	13.20
Montastraea annularis	0.00	7.00	0.00	0.00	0.00
Montastraea cavernosa	4.80	1.20	0.00	0.00	1.00
Montastraea faveolata	1.20	12.60	16.80	25.20	8.60
Montastraea franksi	20.20	10.20	14.60	0.80	4.60
Mussa angulosa	1.00	0.40	0.20	0.00	0.00
Porites astreoides	7.60	3.20	9.60	3.20	4.80
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	2.60	3.60	0.00	0.00	1.60
SPONGES					
Sponge	0.00	0.00	0.40	0.60	0.40
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	18.80	24.40	14.00	28.00	11.40
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	0.40	1.20	1.80	2.60	0.40
Macroalgae	0.00	0.00	0.00	0.00	0.00
Turf	8.40	5.60	15.00	17.80	8.60
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.20	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Crustose coralline algae	4.20	15.60	9.20	10.20	4.80
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.60	2.40	0.00	0.00	4.40
UNKNOWNS					
Unknown	0.20	3.60	2.60	2.00	0.80
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2004					
	NE Transect 6	**NE Transect 7**	**NE Transect 8**	**NW Transect 9**	**NW Transect 10**
CORAL					
Agaricia agaricites	0.40	0.00	0.00	0.00	0.00
Colpophyllia natans	0.00	3.40	0.00	0.40	6.80
Coral (general)	0.00	0.00	0.00	0.40	0.00
Diploria strigosa	24.20	9.60	10.20	19.40	13.80
Madracis decactis	0.00	0.00	0.20	0.00	0.00
Millepora alcicornis	0.00	1.60	0.00	0.00	0.20
Montastraea sp. complex	49.40	28.60	40.00	13.60	53.60
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	0.00	7.40	1.40	13.20	0.00
Montastraea faveolata	10.80	13.20	7.00	0.80	7.40
Montastraea franksi	38.60	15.40	33.00	12.80	46.20
Mussa angulosa	0.00	0.00	0.00	0.20	0.00
Porites astreoides	2.80	2.40	5.80	2.60	2.20
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.80	0.00	0.20	0.00	0.00
SPONGES					
Sponge	0.00	0.00	0.20	0.60	0.00
Xestospongia sp.	0.00	2.40	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	12.40	19.00	20.60	17.60	13.80
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	0.00	0.20	1.20	6.40	0.00
Macroalgae	0.20	0.00	0.00	0.00	0.00
Turf	9.20	21.80	17.00	15.40	4.80
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Crustose coralline algae	0.40	2.20	0.00	4.80	1.20
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.20	0.20	2.60	0.20	3.20
UNKNOWNS					
Unknown	0.00	1.20	0.60	5.20	0.40
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2004						
	SW Transect 11	**SW Transect 12**	**SE Transect 13**	**SE Transect 14**	**SE Transect 15**	**SE Transect 16**
CORAL						
Agaricia agaricites	0.20	0.00	0.00	0.20	0.00	0.20
Colpophyllia natans	0.00	0.80	0.00	0.00	1.80	0.00
Coral (general)	0.80	0.20	0.00	1.60	0.40	0.20
Diploria strigosa	9.60	25.40	9.20	15.40	12.40	18.60
Madracis decactis	0.00	0.00	0.00	1.00	0.00	0.40
Millepora alcicornis	0.00	0.80	0.00	1.00	1.40	0.00
Montastraea sp. complex	31.60	32.80	34.20	36.00	37.20	28.40
Montastraea annularis	1.00	0.00	0.00	0.00	0.00	12.40
Montastraea cavernosa	0.60	10.40	6.60	3.40	3.20	6.20
Montastraea faveolata	21.40	0.00	13.60	26.20	15.20	5.80
Montastraea franksi	9.20	32.80	20.60	9.80	22.00	10.20
Mussa angulosa	0.00	0.00	0.00	0.00	0.60	0.20
Porites astreoides	3.60	8.00	8.00	8.40	6.00	4.80
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.60	0.00	0.00	0.00	0.00	0.00
SPONGES						
Sponge	0.20	1.00	0.40	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.20	0.00	0.00
ALGAE						
Crustose coralline turf, bare	27.60	11.00	17.60	15.00	15.00	13.80
Dictyota sp.	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	1.60	0.00	1.80	0.00	0.20	0.20
Macroalgae	0.20	0.00	0.00	0.00	0.00	0.00
Turf	18.60	8.80	19.20	12.20	18.60	16.60
OTHER LIVE						
Ascidian	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.00	0.00	0.40	0.00	0.00	0.00
CORALLINE ALGAE						
Crustose coralline algae	0.40		0.40	0.20	0.00	0.00
SAND, RUBBLE						
Rubble	0.00	0.00	0.00	0.20	0.00	0.80
Sand	0.20	0.60	0.00	3.00	0.00	9.00
UNKNOWNS						
Unknown	4.20	0.20	2.20	2.20	3.20	0.60
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2005					
	SW Transect 1	**SW Transect 2**	**SW Transect 3**	**SW Transect 4**	**NW Transect 5**
CORAL					
Agaricia agaricites	0.20	0.20	0.20	0.00	0.20
Colpophyllia natans	2.40	0.00	0.00	2.00	0.00
Coral (general)	0.80	1.60	0.80	0.00	0.40
Diploria strigosa	7.20	4.00	4.00	2.20	7.20
Madracis decactis	0.20	0.00	0.40	0.00	0.00
Meandrina meandrites	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis	1.60	2.60	1.00	4.80	0.00
Montastraea sp. complex	36.00	33.20	54.40	40.40	19.80
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	0.80	2.00	0.20	0.20	5.60
Montastraea faveolata	4.00	2.80	19.20	3.00	1.00
Montastraea franksi	32.00	30.40	35.20	37.40	18.80
Mussa angulosa	0.00	0.20	0.00	0.00	0.40
Porites astreoides	4.40	6.60	2.60	4.20	8.00
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea	1.20	2.40	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00	0.00
SPONGES					
Sponge	0.20	0.60	0.00	0.00	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	12.40	10.60	11.60	21.80	25.60
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	21.20	23.40	16.80	12.20	21.80
Macroalgae	0.00	0.00	0.20	0.00	0.00
Turf	0.00	0.00	0.00	0.00	0.00
OTHER LIVE					
Ascidian	0.00	0.00	0.00	0.00	0.00
Other	0.20	0.00	0.00	0.00	0.20
Serpulidae	0.00	0.00	0.00	0.20	0.20
CORALLINE ALGAE					
Crustose coralline algae	8.00	3.80	3.20	5.40	0.00
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.60	0.00	0.00	0.00	0.00
UNKNOWNS					
Unknown	2.60	8.80	4.60	6.60	10.60
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2005					
	NW Transect 6	**NW Transect 7**	**NW Transect 8**	**NE Transect 9**	**NE Transect 10**
CORAL					
Agaricia agaricites	1.00	0.00	0.00	0.80	0.00
Colpophyllia natans	0.00	3.00	0.80	0.40	0.20
Coral (general)	0.00	0.00	0.20	0.40	0.20
Diploria strigosa	1.80	21.00	8.20	0.80	6.20
Madracis decactis	0.00	0.00	0.00	0.20	0.40
Meandrina meandrites	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis	3.20	0.00	1.60	0.00	1.20
Montastraea sp. complex	14.60	38.80	25.80	25.80	61.60
Montastraea annularis	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	0.60	6.60	8.20	0.40	0.00
Montastraea faveolata	0.20	30.60	9.60	0.00	17.20
Montastraea franksi	14.40	8.20	16.20	25.80	44.40
Mussa angulosa	0.00	0.00	0.00	1.20	0.00
Porites astreoides	5.20	2.20	3.40	4.40	3.00
Scolymia cubensis	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea	11.60	0.00	0.00	0.00	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00	0.00
SPONGES					
Sponge	0.40	0.00	0.00	0.20	0.20
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00
ALGAE					
Crustose coralline turf, bare	29.60	4.60	16.80	26.60	9.00
Dictyota sp.	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	14.40	11.40	15.40	19.80	1.40
Macroalgae	0.40	0.20	0.20	0.00	0.00
Turf	2.40	1.40	4.40	6.40	5.40
OTHER LIVE					
Ascidian	0.20	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.00	0.00	0.00	0.40	0.00
CORALLINE ALGAE					
Crustose coralline algae	0.40	1.00	4.20	0.40	2.20
SAND, RUBBLE					
Rubble	0.00	0.00	0.00	0.00	0.00
Sand	0.00	0.00	1.20	0.00	2.20
UNKNOWNS					
Unknown	14.20	9.80	9.60	11.80	6.80
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 1
Percent Cover Data for Random Transect Videography

West Flower Garden Bank 2005						
	NE Transect 11	**NE Transect 12**	**SE Transect 13**	**SE Transect 14**	**SE Transect 15**	**SE Transect 16**
CORAL						
Agaricia agaricites	0.00	0.20	0.40	0.20	0.40	0.00
Colpophyllia natans	3.00	1.00	0.00	0.00	8.40	1.20
Coral (general)	0.60	0.00	0.60	1.20	0.40	0.00
Diploria strigosa	4.60	13.60	3.80	3.40	7.00	11.80
Madracis decactis	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites	0.00	0.00	0.00	0.00	0.00	0.00
Millepora alcicornis	1.00	0.00	0.00	0.00	5.80	4.00
Montastraea sp. complex	37.20	55.20	26.60	54.60	23.20	32.00
Montastraea annularis	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa	4.60	2.20	0.00	1.40	0.20	5.80
Montastraea faveolata	17.80	16.20	19.80	16.20	0.00	2.80
Montastraea franksi	19.40	39.00	6.80	38.40	23.20	29.20
Mussa angulosa	0.00	0.00	0.00	0.00	0.00	0.20
Porites astreoides	3.20	1.40	6.60	4.00	3.60	1.80
Scolymia cubensis	0.00	0.00	0.00	0.00	0.20	0.00
Siderastrea siderea	0.00	0.00	0.00	0.00	2.40	0.00
Stephanocoenia intercepta	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES						
Sponge	0.20	0.20	1.80	0.00	0.20	0.00
Xestospongia sp.	0.00	0.00	0.00	0.00	0.00	0.00
ALGAE						
Crustose coralline turf, bare	17.40	11.60	13.20	14.00	8.40	11.80
Dictyota sp.	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora sp.	7.40	1.60	16.20	9.60	14.00	9.80
Macroalgae	0.00	0.00	0.00	0.00	0.00	0.00
Turf	13.80	6.20	8.20	8.20	6.20	13.60
OTHER LIVE						
Ascidian	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00
Serpulidae	0.00	0.00	0.00	0.00	0.00	0.40
CORALLINE ALGAE						
Crustose coralline algae	1.80	1.00	5.40	0.60	7.80	2.20
SAND, RUBBLE						
Rubble	0.00	0.00	6.40	0.00	0.00	0.00
Sand	0.00	0.00	7.80	0.20	0.00	0.00
UNKNOWNS						
Unknown	5.20	5.80	3.00	2.60	11.80	5.40
TOTAL	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Appendix 2
Sclerochronology
East and West Banks 2003 and 2005

East Bank Cores												
Year	2003 Cores (mm)						2005 Cores (mm)					
	C1	C2	C3	C4	Mean	SE	C1	C2	C3	C4	Mean	SE
2005							5.94	3.36	6.54	8.69	6.13	1.10
2004							7.31	3.78	7.39	14.54	8.26	2.26
2003	4.83	10.66	9.66	5.66	7.7025	1.443424	7.05	3.62	8.25		6.31	1.39
2002	10	13.33	10.33	6.66	10.08	1.364056	7.83	5.42			6.63	1.21
2001	10.66	6.33	9.66	6.66	8.3275	1.079609	8.94	6.11			7.53	1.42
2000	11.33	6.66	12.33	12.33	10.6625	1.354827		5.16			5.16	
1999	11.66	7			9.33	2.33		3.19			3.19	
1998	8.3				8.3			6.97			6.97	
1997								4.39			4.39	
1996												
1995												
1994												

The black cells represent a disconformity in accretionary growth

West Bank Cores												
Year	2003 Cores (mm)						2005 Cores (mm)					
	C1	C2	C3	C4	Mean	SE	C1	C2	C3	C4	Mean	SE
2005							7.31	2.75	4.13	5.43	4.91	0.97
2004							8.78	3.18	6.63	6.11	6.18	1.15
2003	7.33	5	6.66	6.33	6.33	0.823779	6.79	5.24	6.02	4.99	5.76	0.41
2002	7.66	7	6.66	10	7.83	0.233345	6.97	6.11	5.85	6.98	6.48	0.29
2001	8.33	5.33	7	8.66	7.33	1.06066		5.84	6.46	2.84	5.05	1.12
2000	8	10.33	7.33	8.33	8.4975	0.823779		4.99	5.33	3.53	4.62	0.55
1999	8.33		7.66		7.995	0.335		3.78	5	3.96	4.25	0.38
1998	8.3				8.3			6.2	6.19	2.24	4.88	1.32
1997								6.11		7.75	6.93	0.82
1996								6.45		6.89	6.67	0.22
1995								5.94		6.29	6.12	0.18
1994								6.02		3.1	4.56	1.46
1993										3.7	3.70	
1992										7.66	7.66	
1991												

The black cells represent a disconformity in accretionary growth

Appendix 3
Diploria strigosa Lateral Growth

East Flower Garden Bank 2003-2004				
Station #	**2003 Area (cm^2)**	**2004 Area (cm^2)**	**Difference in area (cm^2)**	**Proportional Change**
	Tissue Gain (+)			
6	111.30	126.84	15.54	0.14
7	165.09	176.00	10.91	0.07
8	96.98	165.22	68.23	0.70
12	92.42	125.67	33.24	0.36
14	86.82	149.40	62.58	0.72
16	72.52	122.44	49.92	0.69
29	98.30	123.43	25.13	0.26
34	78.19	85.62	7.43	0.09
42	51.07	88.34	37.27	0.73
46	153.81	166.19	12.38	0.08
47	132.10	141.58	9.48	0.07
50	169.62	178.55	8.93	0.05
53	158.01	198.15	40.14	0.25
55	176.85	191.21	14.37	0.08
57	67.49	124.69	57.21	0.85
60	112.99	124.02	11.03	0.10
119 O*	144.11	192.76	48.65	0.34
	Tissue Loss (-)			
3	140.69	108.05	-32.64	-0.23
5	167.36	124.35	-43.00	-0.26
6	135.98	113.13	-22.85	-0.17
35	214.39	206.84	-7.55	-0.04
36	232.83	172.49	-60.34	-0.26
49	204.19	176.98	-27.21	-0.13
54	164.74	133.58	-31.17	-0.19

* O represents old station number

Appendix 3
Diploria strigosa Lateral Growth

East Flower Garden Bank 2004-2005				
Station #	**2004 Area (cm^2)**	**2005 Area (cm^2)**	**Difference in area (cm^2)**	**Proportional Change**
	Tissue Gain (+)			
3	108.05	128.97	20.92	0.19
5	124.35	144.50	20.15	0.16
6	113.13	124.79	11.66	0.10
12	125.67	126.73	1.06	0.01
33	184.18	203.02	18.84	0.10
36	172.49	182.64	10.16	0.06
46	166.19	172.17	5.98	0.04
47	141.58	183.38	41.80	0.30
54	133.58	135.51	1.94	0.01
	Tissue Loss (-)			
6	126.84	103.70	-23.14	-0.18
7	176.00	110.88	-65.12	-0.37
8	165.22	142.90	-22.32	-0.14
14	149.40	116.05	-33.35	-0.22
16	122.44	88.05	-34.39	-0.28
29	123.43	119.31	-4.12	-0.03
33	219.18	216.16	-3.02	-0.01
34	85.62	70.85	-14.77	-0.17
35	206.84	171.54	-35.29	-0.17
40	144.07	68.66	-75.41	-0.52
42	88.34	58.31	-30.04	-0.34
43	205.73	172.35	-33.38	-0.16
45	79.50	57.53	-21.96	-0.28
49	176.98	144.85	-32.14	-0.18
50	178.55	110.50	-68.05	-0.38
51	107.43	93.83	-13.60	-0.13
53	198.15	147.01	-51.14	-0.26
55	191.21	188.53	-2.69	-0.01
57	124.69	108.52	-16.17	-0.13
60	124.02	122.27	-1.75	-0.01
119 O*	192.76	176.47	-16.29	-0.08

* O represents old station number

Appendix 3
Diploria strigosa Lateral Growth

West Flower Garden Bank 2003-2004				
Station #	**2003 Area (cm^2)**	**2004 Area (cm^2)**	**Difference in area (cm^2)**	**Proportional Change**
	Tissue Gain (+)			
62	91.92	93.17	1.25	0.01
63	21.77	50.56	28.80	1.32
73	39.50	105.26	65.76	1.66
74	69.46	125.13	55.67	0.80
79	111.70	137.51	25.80	0.23
86	59.87	116.97	57.10	0.95
94	39.10	71.37	32.28	0.83
99	78.41	83.89	5.48	0.07
106	92.76	99.17	6.41	0.07
107	72.53	149.68	77.15	1.06
109	35.84	126.38	90.54	2.53
110	104.87	165.54	60.67	0.58
112	101.84	105.74	3.90	0.04
114	99.66	143.98	44.32	0.44
117	91.73	114.64	22.91	0.25
113 O*	114.89	119.71	4.82	0.04
	Tissue Loss (-)			
66	43.65	38.79	-4.87	-0.11
67	106.67	97.11	-9.56	-0.09
88	145.29	90.53	-54.76	-0.38
95	16.35	9.70	-6.65	-0.41
111	129.72	119.48	-10.24	-0.08

* O represents old station number

Appendix 3
Diploria strigosa Lateral Growth

West Flower Garden Bank 2004-2005				
Station #	**2004 Area (cm^2)**	**2005 Area (cm^2)**	**Difference in area (cm^2)**	**Proportional Change**
	Tissue Gain (+)			
62	93.17	100.69	7.52	0.08
63	50.56	57.97	7.40	0.15
67	97.11	145.23	48.12	0.50
74	125.13	130.09	4.96	0.04
88	90.53	145.78	55.25	0.61
93	103.97	136.29	32.32	0.31
94	71.37	75.64	4.27	0.06
95	9.70	76.63	66.93	6.90
99	83.89	121.74	37.84	0.45
102	73.89	96.93	23.04	0.31
106	99.17	108.78	9.61	0.10
111	119.48	155.10	35.62	0.30
112	105.74	128.97	23.23	0.22
117	114.64	129.37	14.72	0.13
113 O*	119.71	150.72	31.01	0.26
UNK**	172.08	193.69	21.60	0.13
	Tissue Loss (-)			
66	38.79	20.53	-18.26	-0.47
73	105.26	87.19	-18.07	-0.17
79	137.51	137.37	-0.13	0.00
86	116.97	108.77	-8.20	-0.07
92	117.54	87.40	-30.14	-0.26
107	149.68	131.06	-18.61	-0.12
109	126.38	125.38	-1.00	-0.01
110	165.54	164.23	-1.31	-0.01
114	143.98	139.15	-4.84	-0.03

* O represents old station number
** unknown station number

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
1	1	*Montastraea sp.*	17.52	16.48	-1.05	-0.11	-5.98	-1.24	-0.13	-0.06
	2	*Diploria strigosa*	3.85	4.32	0.47	0.05	12.22			0.12
	3	*Montastraea sp.*	8.14	7.83	-0.31	-0.03	-3.78			-0.04
	4	*Montastraea sp.*	9.46	9.16	-0.30	-0.03	-3.20			-0.03
	5	*Montastraea sp.*	5.74	5.69	-0.05	-0.01	-0.89			-0.01
2b	1	*Diploria strigosa*	81.97	87.62	5.66	0.59	6.90	5.37	0.56	0.07
	2	*Montastraea* sp.	24.96	31.22	6.26	0.66	25.09			0.25
	3	*Diploria strigosa*	15.51	11.27	-4.25	-0.44	-27.36			-0.27
	4	*Montastraea sp.*	48.47	46.17	-2.30	-0.24	-4.75			-0.05
3	1	*Diploria strigosa*	14.58	14.68	0.10	0.01	0.71	3.21	0.34	0.01
	2	*Montastraea sp.*	42.36	42.82	0.46	0.05	1.09			0.01
	3	*Diploria strigosa*	12.86	11.62	-1.24	-0.13	-9.62			-0.10
	4	*Diploria strigosa*	25.03	26.58	1.55	0.16	6.20			0.06
	5	*Montastraea sp.*	29.42	31.75	2.33	0.24	7.93			0.08
4	1	*Montastraea sp.*	28.95	32.08	3.13	0.33	10.82	1.53	0.16	0.11
	2	*Montastraea sp.*	18.94	19.20	0.26	0.03	1.35			0.01
	3	*Montastraea sp.*	55.93	62.34	6.41	0.67	11.46			0.11
	4	*Diploria strigosa*	16.16	12.69	-3.47	-0.36	-21.48			-0.21
	5	*Montastraea sp.*	250.84	246.05	-4.79	-0.50	-1.91			-0.02
4b	1	*Montastraea sp.*	11.82	10.07	-1.75	-0.18	85.20	-3.30	-0.35	0.85
	2	*Montastraea sp.*	21.14	21.65	0.51	0.05	102.39			1.02
	3	*Diploria strigosa*	15.45	13.93	-1.52	-0.16	90.15			0.90
	4	*Montastraea sp.*	14.49	13.78	-0.71	-0.07	95.08			0.95
	5	*Montastraea sp.*	12.67	12.84	0.18	0.02	101.41			1.01
5	1	*Montastraea sp.*	23.30	22.26	-1.04	-0.11	-4.48	-8.76	-0.92	-0.04
	2	*Montastraea sp.*	39.15	34.36	-4.79	-0.50	-12.23			-0.12
	3	*Montastraea sp.*	9.92	8.46	-1.46	-0.15	-14.72			-0.15
	4	*Montastraea sp.*	43.06	42.41	-0.65	-0.07	-1.52			-0.02
	5	*Montastraea sp.*	6.52	5.71	-0.81	-0.09	-12.45			-0.12

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
6	1	*Montastraea sp.*	97.91	88.19	-9.72	-1.02	-9.93	-12.81	-1.34	-0.10
	2	*Diploria strigosa*	4.56	4.89	0.33	0.03	7.31			0.07
	3	*Montastraea cavernosa*	10.99	13.25	2.26	0.24	20.60			0.21
	4	*Colpophyllia natans*	6.40	6.52	0.12	0.01	1.90			0.02
	5	*Colpophyllia natans*	76.55	70.75	-5.81	-0.61	-7.58			-0.08
7	1	*Montastraea sp.*	35.07	33.96	-1.11	-0.12	-3.16	-8.06	-0.84	-0.03
	2	*Montastraea sp.*	8.48	5.73	-2.75	-0.29	-32.45			-0.32
	3	*Porites astreoides*	0.99	0.66	-0.33	-0.03	-33.39			-0.33
	4	*Diploria strigosa*	3.18	3.11	-0.08	-0.01	-2.42			-0.02
	5	*Diploria strigosa*	8.00	4.20	-3.79	-0.40	-47.42			-0.47
9	1	*Montastraea sp.*	41.25	26.70	-14.55	-1.52	-35.27	-24.86	-2.60	-0.35
	2	*Montastraea sp.*	63.91	53.05	-10.86	-1.14	-16.99			-0.17
	3	*Montastraea sp.*	73.70	73.15	-0.55	-0.06	-0.75			-0.01
	4	*Montastraea sp.*	28.82	30.81	1.99	0.21	6.89			0.07
	5	*Montastraea sp.*	127.02	126.13	-0.89	-0.09	-0.70			-0.01
10	1	*Diploria strigosa*	15.47	19.70	4.23	0.44	27.34	-78.73	-8.24	0.27
	2	*Diploria strigosa*	12.49	13.38	0.89	0.09	7.12			0.07
	3	*Montastraea sp.*	185.09	100.72	-84.37	-8.83	-45.58			-0.46
	4	*Diploria strigosa*	14.32	14.84	0.52	0.05	3.66			0.04
12	1	*Porites astreoides*	3.46	3.69	0.22	0.02	6.39	2.69	0.28	0.06
	2	*Porites astreoides*	3.69	3.45	-0.24	-0.03	-6.58			-0.07
	3	*Porites astreoides*	5.54	5.43	-0.11	-0.01	-2.07			-0.02
	4	*Diploria strigosa*	2.90	3.07	0.17	0.02	5.85			0.06
	5	*Diploria strigosa*	13.80	16.46	2.66	0.28	19.28			0.19
12b	1	*Diploria strigosa*	46.26	41.02	-5.24	-0.55	-11.33	-2.16	-0.23	-0.11
	2	*Montastraea sp.*	3.36	3.08	-0.28	-0.03	-8.37			-0.08
	3	*Diploria strigosa*	88.21	87.97	-0.25	-0.03	-0.28			0.00
	4	*Montastraea cavernosa*	23.66	27.27	3.61	0.38	15.25			0.15

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2003 (cm^2)**	**Area of coral head in 2004 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
14	1	*Montastraea sp.*	13.55	10.51	-3.04	-0.32	-22.42	-24.82	-2.60	-0.22
	2	*Montastraea sp.*	32.76	13.25	-19.51	-2.04	-59.55			-0.60
	3	*Diploria strigosa*	2.37	2.19	-0.18	-0.02	-7.58			-0.08
	4	*Montastraea sp.*	22.81	22.39	-0.42	-0.04	-1.85			-0.02
	5	*Montastraea cavernosa*	21.28	19.61	-1.67	-0.18	-7.86			-0.08
14b	1	*Diploria strigosa*	7.25	3.08	-4.17	-0.44	-57.51	-3.15	-0.33	-0.58
	2	*Montastraea sp.*	1.83	1.68	-0.14	-0.02	-7.87			-0.08
	3	*Montastraea sp.*	19.34	17.44	-1.90	-0.20	-9.83			-0.10
	4	*Diploria strigosa.*	8.30	12.52	4.22	0.44	50.79			0.51
	5	*Diploria strigosa.*	7.23	6.08	-1.16	-0.12	-15.99			-0.16
15	1	*Montastraea sp.*	26.09	25.53	-0.56	-0.06	-2.15	-3.36	-0.35	-0.02
	2	*Montastraea sp.*	10.62	13.91	3.28	0.34	30.90			0.31
	3	*Montastraea sp.*	22.81	17.10	-5.71	-0.60	-25.05			-0.25
	4	*Montastraea sp.*	5.34	4.97	-0.37	-0.04	-6.96			-0.07
17	1	*Montastraea sp.*	32.46	27.85	-4.61	-0.48	-14.19	-26.66	-2.79	-0.14
	2	*Diploria strigosa*	23.29	19.89	-3.40	-0.36	-14.58			-0.15
	3	*Diploria strigosa*	32.59	13.45	-19.14	-2.00	-58.73			-0.59
	4	*Diploria strigosa*	69.72	74.43	4.70	0.49	6.75			0.07
	5	*Montastraea sp.*	18.62	14.40	-4.23	-0.44	-22.69			-0.23
17b	1	*Montastraea sp.*	12.31	14.72	2.41	0.25	19.57	-3.19	-0.33	0.20
	2	*Diploria strigosa*	5.87	7.70	1.82	0.19	31.07			0.31
	3	*Montastraea sp.*	40.44	39.81	-0.63	-0.07	-1.57			-0.02
	4	*Colpophyllia natans*	41.89	39.41	-2.48	-0.26	-5.93			-0.06
	5	*Diploria strigosa*	105.83	101.52	-4.30	-0.45	-4.07			-0.04
18	1	*Montastraea sp.*	70.45	60.26	-10.18	-1.07	-14.45	-73.24	-7.67	-0.14
	2	*Montastraea sp.*	258.65	187.14	-71.51	-7.49	-27.65			-0.28
	3	*Diploria strigosa*	15.56	13.10	-2.46	-0.26	-15.83			-0.16
	4	*Diploria strigosa*	12.03	17.81	5.77	0.60	47.98			0.48
	5	*Montastraea sp.*	60.87	66.01	5.14	0.54	8.44			0.08

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
19	1	*Montastraea sp.*	2.88	2.79	-0.09	-0.01	-3.14	2.12	0.22	-0.03
	2	*Montastraea sp.*	5.96	5.49	-0.47	-0.05	-0.08			0.00
	3	*Diploria strigosa*	4.82	7.24	2.42	0.25	0.50			0.01
	4	*Montastraea sp.*	4.69	4.95	0.27	0.03	0.06			0.00
20	1	*Montastraea sp.*	83.13	71.98	-11.14	-1.17	-13.41	-31.43	-3.29	-0.13
	2	*Montastraea cavernosa*	32.61	22.03	-10.58	-1.11	-32.43			-0.32
	3	*Diploria strigosa*	28.95	22.78	-6.16	-0.65	-21.29			-0.21
	4	*Montastraea cavernosa*	30.49	27.57	-2.91	-0.31	-9.56			-0.10
	5	*Montastraea sp.*	16.44	15.81	-0.63	-0.07	-3.86			-0.04
20b	1	*Montastraea sp.*	3.24	2.75	-0.48	-0.05	-14.91	1.63	0.17	-0.15
	2	*Diploria strigosa*	2.67	2.99	0.33	0.03	12.22			0.12
	3	*Diploria strigosa*	4.58	4.42	-0.16	-0.02	-3.47			-0.03
	4	*Montastraea sp.*	7.38	8.33	0.95	0.10	12.94			0.13
	5	*Montastraea sp*	15.57	16.57	0.99	0.10	6.38			0.06
21	1	*Montastraea sp.*	18.47	18.47	0.00	0.00	-0.01	-23.64	-2.48	0.00
	2	*Montastraea sp.*	22.77	10.35	-12.43	-1.30	-54.56			-0.55
	3	*Montastraea sp.*	23.16	22.55	-0.61	-0.06	-2.65			-0.03
	4	*Montastraea cavernosa*	52.83	49.80	-3.03	-0.32	-5.73			-0.06
	5	*Montastraea sp.*	63.29	55.72	-7.57	-0.79	-11.96			-0.12
21b	1	*Montastraea sp.*	60.27	57.46	-2.81	-0.29	-4.67	-12.97	-1.36	-0.05
	2	*Montastraea cavernosa*	14.45	12.46	-1.99	-0.21	-13.78			-0.14
	3	*Diploria strigosa*	47.72	49.11	1.39	0.15	2.91			0.03
	4	*Diploria strigosa*	47.73	42.13	-5.60	-0.59	-11.73			-0.12
	5	*Diploria strigosa*	22.43	18.47	-3.96	-0.41	-17.66			-0.18
22	1	*Diploria strigosa*	20.16	18.20	-1.96	-0.21	-9.74	-17.44	-1.83	-0.10
	2	*Colpophyllia natans*	12.27	11.31	-0.96	-0.10	-7.83			-0.08
	3	*Montastraea sp.*	36.59	13.13	-23.46	-2.46	-64.11			-0.64
	4	*Diploria strigosa*	19.69	39.25	19.57	2.05	99.40			0.99
	5	*Montastraea sp.*	58.40	47.77	-10.63	-1.11	-18.20			-0.18

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
23	1	*Montastraea sp.*	26.18	24.50	-1.68	-0.18	-6.43	-9.62	-1.01	-0.06
	2	*Montastraea sp.*	58.65	54.43	-4.23	-0.44	-7.20			-0.07
	3	*Montastraea sp.*	20.30	17.26	-3.04	-0.32	-14.96			-0.15
	4	*Diploria strigosa*	8.44	7.99	-0.45	-0.05	-5.37			-0.05
	5	*Diploria strigosa*	16.36	16.15	-0.22	-0.02	-1.34			-0.01
24	1	*Montastraea sp.*	28.16	21.51	-6.65	-0.70	-23.61	-8.92	-0.93	-0.24
	2	*Montastraea cavernosa*	20.09	18.34	-1.75	-0.18	-8.71			-0.09
	3	*Montastraea sp.*	44.54	42.71	-1.83	-0.19	-4.10			-0.04
	4	*Diploria strigosa*	8.48	8.99	0.50	0.05	5.92			0.06
	5	*Montastraea sp.*	76.71	77.51	0.81	0.08	1.05			0.01
26	1	*Diploria strigosa*	8.96	10.02	4.07	0.43	45.44	-16.21	-1.70	0.45
	2	*Diploria strigosa*	22.03	24.30	-10.75	-1.13	-48.81			-0.49
	3	*Diploria strigosa*	9.06	8.16	-0.90	-0.09	-9.96			-0.10
	4	*Diploria strigosa*	19.89	13.03	-6.87	-0.72	-34.51			-0.35
	5	*Diploria strigosa*	13.04	11.28	-1.76	-0.18	-13.53			-0.14
26b	1	*Montastraea sp.*	17.19	17.98	0.80	0.08	4.64	2.48	0.26	0.05
	2	*Montastraea sp.*	7.28	7.11	-0.17	-0.02	-2.33			-0.02
	3	*Diploria strigosa*	3.80	3.87	0.06	0.01	1.64			0.02
	4	*Diploria strigosa*	19.42	20.39	0.97	0.10	4.97			0.05
	5	*Diploria strigosa*	10.34	11.16	0.82	0.09	7.94			0.08
27	1	*Montastraea sp.*	4.33	4.66	0.33	0.03	7.58	-6.51	-0.68	0.08
	2	*Montastraea sp.*	31.51	18.16	-13.35	-1.40	-42.36			-0.42
	3	*Montastraea sp.*	13.32	10.94	-2.38	-0.25	-17.84			-0.18
	4	*Diploria strigosa*	29.10	26.17	-2.93	-0.31	-10.07			-0.10
	5	*Montastraea sp.*	210.29	222.11	11.82	1.24	5.62			0.06

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2003 (cm^2)**	**Area of coral head in 2004 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
27b	1	*Montastraea sp.*	5.01	5.31	0.30	0.03	6.00	13.58	1.42	0.06
	2	*Montastraea sp.*	10.04	9.97	-0.07	-0.01	-0.68			-0.01
	3	*Montastraea sp.*	78.76	95.23	16.47	1.72	20.91			0.21
	4	*Diploria strigosa*	21.82	22.21	0.39	0.04	1.79			0.02
	5	*Diploria strigosa*	12.65	9.15	-3.51	-0.37	-27.73			-0.28
29	1	*Diploria strigosa*	23.47	16.36	-7.11	-0.74	-30.31	-17.25	-1.81	-0.30
	2	*Diploria strigosa*	27.37	26.47	-0.90	-0.09	-3.30			-0.03
	3	*Diploria strigosa*	98.37	95.47	-2.90	-0.30	-2.95			-0.03
	4	*Diploria strigosa*	48.02	40.76	-7.26	-0.76	-15.12			-0.15
	5	*Diploria strigosa*	16.80	17.74	0.94	0.10	5.57			0.06
29b	1	*Diploria strigosa*	13.40	9.14	-4.25	-0.45	-31.76	-2.06	-0.22	-0.32
	2	*Montastraea sp.*	11.04	10.39	-0.65	-0.07	-5.86			-0.06
	3	*Montastraea cavernosa*	74.93	75.56	0.63	0.07	0.84			0.01
	4	*Diploria strigosa*	12.54	14.75	2.21	0.23	17.66			0.18
30	1	*Montastraea cavernosa*	39.80	36.57	-3.23	-0.34	-8.11	-25.78	-2.70	-0.08
	2	*Colpophyllia natans*	54.66	51.48	-3.18	-0.33	-5.81			-0.06
	3	*Montastraea cavernosa*	92.50	76.74	-15.76	-1.65	-17.04			-0.17
	4	*Montastraea cavernosa*	37.97	37.54	-0.43	-0.04	-1.12			-0.01
	5	*Diploria strigosa*	46.15	42.96	-3.19	-0.33	-6.91			-0.07
30b	1	*Montastraea sp.*	17.92	16.11	-1.81	-0.19	-10.11	-2.23	-0.23	-0.10
	2	*Diploria strigosa*	89.44	90.15	0.71	0.07	0.79			0.01
	3	*Diploria strigosa*	5.40	4.72	-0.68	-0.07	-12.63			-0.13
	4	*Diploria strigosa*	5.41	5.93	0.52	0.05	9.70			0.10
	5	*Diploria strigosa*	9.97	9.00	-0.97	-0.10	-9.75			-0.10
33	1	*Montastraea sp.*	12.05	9.78	-2.27	-0.24	-18.83	-3.96	-0.41	-0.19
	2	*Montastraea sp.*	12.86	13.39	0.52	0.05	4.07			0.04
	3	*Montastraea sp.*	62.10	54.10	-8.01	-0.84	-12.89			-0.13
	4	*Montastraea cavernosa*	23.92	29.71	5.79	0.61	24.20			0.24

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2003-2004										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2003 (cm^2)**	**Area of coral head in 2004 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
36	1	*Montastraea sp.*	212.13	91.31	-120.82	-12.65	-56.96	-189.81	-19.87	-0.57
	2	*Montastraea sp.*	98.58	38.73	-59.86	-6.27	-60.72			-0.61
	3	*Montastraea sp.*	32.86	31.69	-1.17	-0.12	-3.56			-0.04
	4	*Montastraea sp.*	17.87	9.90	-7.97	-0.83	-44.59			-0.45
38	1	*Diploria strigosa*	65.91	66.65	0.75	0.00	1.13	-26.33	-0.03	0.01
	2	*Diploria strigosa*	16.04	14.85	-1.19	0.00	-7.40			-0.07
	3	*Colpophyllia natans*	108.25	96.74	-11.50	-0.01	-10.63			-0.11
	4	*Diploria strigosa*	10.06	10.96	0.89	0.00	8.87			0.09
	5	*Diploria strigosa*	26.61	28.84	2.23	0.00	8.37			0.08
	6	*Diploria strigosa*	65.22	48.46	-16.76	-0.02	-25.69			-0.26
UNK 1	1	*Montastraea sp.*	9.62	8.97	-0.66	-0.07	-6.82	-0.49	-0.05	-0.07
	2	*Diploria strigosa*	22.94	18.69	-4.25	-0.45	-18.54			-0.19
	3	*Montastraea sp.*	21.98	22.54	0.56	0.06	2.57			0.03
	4	*Diploria strigosa*	17.54	17.94	0.40	0.04	2.26			0.02
	5	*Montastraea sp.*	11.86	15.32	3.46	0.36	29.13			0.29

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(not necessarily corresponding to the station number).

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank Deep Stations 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
82	1	*Montastraea cavernosa*	2.72	2.08	-0.64	-0.07	-23.57	-18.90	-1.98	-0.24
	2	*Montastraea cavernosa*	19.86	17.25	-2.61	-0.27	-13.17			-0.13
	3	*Colpophyllia natans*	23.62	13.46	-10.16	-1.06	-43.01			-0.43
	4	*Montastraea sp.*	34.07	28.58	-5.48	-0.57	-16.09			-0.16
83	1	*Montastraea sp.*	13.81	14.11	0.30	0.03	2.14	-9.70	-1.02	0.02
	2	*Montastraea cavernosa*	4.99	5.54	0.56	0.06	11.15			0.11
	3	*Montastraea sp.*	38.45	30.60	-7.85	-0.82	-20.41			-0.20
	4	*Montastraea cavernosa*	28.36	27.19	-1.17	-0.12	-4.13			-0.04
	5	*Montastraea sp.*	29.03	27.49	-1.54	-0.16	-5.29			-0.05
85	1	*Montastraea sp*	1.57	1.91	0.35	0.04	22.15	8.03	0.84	0.22
	2	*Montastraea cavernosa*	0.59	0.58	-0.01	0.00	-1.71			-0.02
	3	*Montastraea cavernosa*	40.15	43.34	3.20	0.33	7.96			0.08
	4	*Montastraea sp.*	16.04	18.21	2.17	0.23	13.55			0.14
	5	*Montastraea cavernosa*	20.31	22.63	2.33	0.24	11.47			0.11
86	1	*Colpophyllia natans*	136.75	131.67	-5.08	-0.53	-3.72	-0.41	-0.04	-0.04
	2	*Montastraea cavernosa*	73.95	67.46	-6.49	-0.68	-8.78			-0.09
	3	*Montastraea cavernosa*	25.35	28.90	3.55	0.37	14.02			0.14
	4	*Montastraea cavernosa*	39.28	46.90	7.62	0.80	19.39			0.19
87	1	*Montastraea sp.*	34.53	33.07	-1.46	-0.15	-4.23	9.75	1.02	-0.04
	2	*Montastraea sp.*	12.98	11.26	-1.72	-0.18	-13.23			-0.13
	3	*Montastraea sp.*	23.08	38.50	15.42	1.61	66.82			0.67
	4	*Montastraea sp.*	23.96	21.37	-2.59	-0.27	-10.81			-0.11
	5	*Diploria strigosa*	2.27	2.36	0.09	0.01	4.14			0.04
88	1	*Montastraea sp.*	15.97	14.95	-1.02	-0.11	-6.39	-0.36	-0.04	-0.06
	2	*Montastraea cavernosa*	46.01	34.68	-11.34	-1.19	-24.64			-0.25
	3	*Montastraea sp.*	13.76	17.34	3.57	0.37	25.94			0.26
	4	*Colpophyllia natans*	10.41	12.26	1.85	0.19	17.74			0.18
	5	*Montastraea sp.*	31.60	38.17	6.57	0.69	20.80			0.21

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank Deep Stations 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
UNK 1	1	*Montastraea cavernosa*	35.26	12.98	-22.29	-2.33	-63.20	-28.02	-2.93	-0.63
	2	*Montastraea cavernosa*	20.55	22.09	1.54	0.16	7.52			0.08
	3	*Colpophyllia natans*	11.77	11.87	0.09	0.01	0.79			0.01
	4	*Montastraea sp.*	22.75	21.10	-1.65	-0.17	-7.25			-0.07
	5	*Montastraea cavernosa*	12.06	6.34	-5.72	-0.60	-47.45			-0.47
UNK 2	1	*Montastraea sp.*	19.26	10.31	-8.95	-0.94	-46.47	-43.12	-4.52	-0.46
	2	*Montastraea cavernosa*	5.22	6.21	0.99	0.10	18.98			0.19
	3	*Montastraea cavernosa*	86.38	48.35	-38.04	-3.98	-44.03			-0.44
	4	*Montastraea sp.*	5.55	5.22	-0.34	-0.04	-6.06			-0.06
	5	*Montastraea cavernosa*	10.54	13.75	3.20	0.34	30.39			0.30

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
1	1	*Montastraea sp.*	16.48	17.73	1.25	0.13	7.59	1.93	0.20	0.08
	2	*Diploria strigosa*	4.32	4.83	0.51	0.05	11.71			0.12
	3	*Montastraea sp.*	7.83	6.71	-1.12	-0.12	-14.32			-0.14
	4	*Montastraea sp.*	9.16	9.67	0.52	0.05	5.64			0.06
	5	*Montastraea sp.*	5.69	6.47	0.78	0.08	13.70			0.14
2b	1	*Diploria strigosa*	87.62	86.86	-0.77	-0.08	-0.87	-5.73	-0.60	-0.01
	2	*Montastraea sp.*	31.22	27.46	-3.76	-0.39	-12.04			-0.12
	3	*Diploria strigosa*	11.27	11.36	0.09	0.01	0.79			0.01
	4	*Montastraea sp.*	46.17	44.88	-1.29	-0.14	-2.80			-0.03
3	1	*Diploria strigosa*	14.68	14.22	-0.46	-0.05	-3.13	7.27	0.76	-0.03
	2	*Montastraea sp.*	42.82	46.66	3.85	0.40	8.98			0.09
	3	*Diploria strigosa*	11.62	7.74	-3.89	-0.41	-33.43			-0.33
	4	*Diploria strigosa*	26.58	32.43	5.84	0.61	21.99			0.22
	5	*Montastraea sp.*	31.75	33.67	1.92	0.20	6.06			0.06
4	1	*Montastraea sp.*	32.08	29.65	-2.43	-0.25	-7.57	-22.70	-2.38	-0.08
	2	*Montastraea sp.*	19.20	18.85	-0.35	-0.04	-1.82			-0.02
	3	*Montastraea sp.*	62.34	53.09	-9.25	-0.97	-14.84			-0.15
	4	*Diploria strigosa*	12.69	11.62	-1.08	-0.11	-8.48			-0.08
	5	*Montastraea sp.*	246.05	236.46	-9.60	-1.00	-3.90			-0.04
4b	1	*Montastraea sp.*	10.07	15.88	5.81	0.61	57.68	14.39	1.51	0.58
	2	*Montastraea sp.*	21.65	24.71	3.07	0.32	14.16			0.14
	3	*Diploria strigosa*	13.93	16.00	2.07	0.22	14.89			0.15
	4	*Montastraea sp.*	13.78	17.86	4.08	0.43	29.62			0.30
	5	*Montastraea sp.*	12.84	12.20	-0.64	-0.07	-5.00			-0.05
5	1	*Montastraea sp.*	22.26	19.55	-2.71	-0.28	-12.17	0.82	0.09	-0.12
	2	*Montastraea sp.*	34.36	29.20	-5.16	-0.54	-15.02			-0.15
	3	*Montastraea sp.*	8.46	11.95	3.49	0.37	41.29			0.41
	4	*Montastraea sp.*	42.41	47.37	4.96	0.52	11.70			0.12
	5	*Montastraea sp.*	5.71	5.95	0.24	0.02	4.13			0.04

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
7	1	*Montastraea sp.*	33.96	27.32	-6.64	-0.70	-19.56	-4.90	-0.51	-0.20
	2	*Montastraea sp.*	5.73	7.03	1.30	0.14	22.64			0.23
	3	*Porites astreoides*	0.66	0.95	0.29	0.03	43.63			0.44
	4	*Diploria strigosa*	3.11	3.16	0.05	0.01	1.60			0.02
	5	*Diploria strigosa*	4.20	4.32	0.11	0.01	2.71			0.03
9	1	*Montastraea sp.*	26.70	21.76	-4.94	-0.52	-18.50	-21.02	-2.20	-0.19
	2	*Montastraea sp.*	53.05	27.54	-25.51	-2.67	-48.08			-0.48
	3	*Montastraea sp.*	73.15	67.66	-5.50	-0.58	-7.51			-0.08
	4	*Montastraea sp.*	30.81	34.14	3.33	0.35	10.81			0.11
	5	*Montastraea sp.*	126.13	137.73	11.60	1.21	9.20			0.09
10	1	*Diploria strigosa*	19.70	17.67	-2.03	-0.21	-10.30	10.63	1.11	-0.10
	2	*Diploria strigosa*	13.38	11.21	-2.17	-0.23	-16.25			-0.16
	3	*Montastraea sp.*	100.72	110.87	10.15	1.06	10.08			0.10
	4	*Diploria strigosa*	14.84	19.52	4.68	0.49	31.54			0.32
12	1	*Porites astreoides*	3.69	4.36	0.67	0.07	18.17	0.39	0.04	0.18
	2	*Porites astreoides*	3.45	3.57	0.12	0.01	3.62			0.04
	3	*Diploria strigosa*	5.43	5.27	-0.15	-0.02	-2.85			-0.03
	4	*Diploria strigosa*	3.07	3.41	0.33	0.04	10.90			0.11
	5	*Diploria strigosa*	16.46	15.87	-0.59	-0.06	-3.56			-0.04
12b	1	*Diploria strigosa*	41.02	46.10	5.08	0.53	27.44	2.75	0.29	0.27
	2	*Montastraea sp.*	3.08	2.75	-0.33	-0.03	83.36			0.83
	3	*Diploria strigosa*	87.97	84.50	-3.46	-0.36	8.08			0.08
	4	*Montastraea cavernosa*	27.27	28.74	1.47	0.15	1.05			0.01
14	1	*Montastraea sp.*	10.51	13.40	2.89	0.30	27.44	12.47	1.31	0.27
	2	*Montastraea sp.*	13.25	24.30	11.05	1.16	83.36			0.83
	3	*Diploria strigosa*	2.19	2.37	0.18	0.02	8.08			0.08
	4	*Montastraea sp.*	22.39	22.62	0.24	0.02	1.05			0.01
	5	*Montastraea cavernosa*	19.61	17.73	-1.88	-0.20	-9.58			-0.10

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
14b	1	*Diploria strigosa*	3.08	8.58	5.50	0.58	178.58	-0.53	-0.06	1.79
	2	*Montastraea sp.*	1.68	1.81	0.13	0.01	7.77			0.08
	3	*Montastraea sp.*	17.44	14.02	-3.43	-0.36	-19.64			-0.20
	4	*Diploria strigosa*	12.52	8.63	-3.89	-0.41	-31.07			-0.31
	5	*Diploria strigosa*	6.08	7.23	1.15	0.12	18.98			0.19
15	1	*Montastraea sp.*	25.53	22.75	-2.78	-0.29	-10.87	-0.96	-0.10	-0.11
	2	*Montastraea sp.*	13.91	12.35	-1.55	-0.16	-11.17			-0.11
	3	*Montastraea sp.*	17.10	19.61	2.51	0.26	14.69			0.15
	4	*Montastraea sp.*	4.97	5.83	0.86	0.09	17.24			0.17
17	1	*Montastraea sp.*	27.85	32.86	5.01	0.52	17.97	14.80	1.55	0.18
	2	*Diploria strigosa*	19.89	20.86	0.96	0.10	4.84			0.05
	3	*Diploria strigosa*	13.45	30.35	16.90	1.77	125.63			1.26
	4	*Diploria strigosa*	74.43	66.91	-7.52	-0.79	-10.10			-0.10
	5	*Montastraea sp.*	14.40	13.85	-0.54	-0.06	-3.78			-0.04
17b	1	*Montastraea sp.*	14.72	12.63	-2.09	-0.22	-14.19	-1.21	-0.13	-0.14
	2	*Diploria strigosa*	7.70	6.74	-0.96	-0.10	-12.48			-0.12
	3	*Montastraea sp.*	39.81	42.08	2.28	0.24	5.72			0.06
	4	*Colpophyllia natans*	39.41	47.65	8.24	0.86	20.91			0.21
	5	*Diploria strigosa*	101.52	92.85	-8.68	-0.91	-8.55			-0.09
18	1	*Montastraea sp.*	60.26	69.60	9.33	0.98	15.48	13.55	1.42	0.15
	2	*Montastraea sp.*	187.14	185.00	-2.14	-0.22	-1.14			-0.01
	3	*Diploria strigosa*	13.10	14.85	1.75	0.18	13.38			0.13
	4	*Diploria strigosa*	17.81	20.88	3.08	0.32	17.28			0.17
	5	*Montastraea sp.*	66.01	67.54	1.53	0.16	2.31			0.02
20	1	*Montastraea sp.*	71.98	89.40	17.41	1.82	24.19	36.25	3.80	0.24
	2	*Montastraea cavernosa*	22.03	43.21	21.18	2.22	96.13			0.96
	3	*Diploria strigosa*	22.78	22.50	-0.28	-0.03	-1.25			-0.01
	4	*Montastraea cavernosa*	27.57	25.52	-2.05	-0.22	-7.45			-0.07
	5	*Montastraea sp.*	15.81	NP**	0.00	0.00	0.00			0.00

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
20b	1	*Montastraea sp.*	2.75	2.47	-0.28	-0.03	-10.22	-2.68	-0.28	-0.10
	2	*Diploria strigosa*	2.99	3.33	0.34	0.04	11.28			0.11
	3	*Diploria strigosa*	4.42	4.29	-0.13	-0.01	-2.85			-0.03
	4	*Montastraea sp.*	8.33	9.39	1.06	0.11	12.68			0.13
	5	*Montastraea sp*	16.57	12.90	-3.66	-0.38	-22.11			-0.22
21	1	*Montastraea sp.*	18.47	22.38	3.91	0.41	21.19	9.33	0.98	0.21
	2	*Montastraea sp.*	10.35	15.50	5.16	0.54	49.83			0.50
	3	*Montastraea sp.*	22.55	22.26	-0.29	-0.03	-1.29			-0.01
	4	*Montastraea cavernosa*	49.80	52.87	3.07	0.32	6.16			0.06
	5	*Montastraea sp.*	55.72	53.20	-2.52	-0.26	-4.52			-0.05
21b	1	*Montastraea sp.*	57.46	83.30	25.84	2.71	44.97	31.66	3.32	0.45
	2	*Montastraea cavernosa*	12.46	13.55	1.09	0.11	8.77			0.09
	3	*Diploria strigosa*	49.11	46.30	-2.81	-0.29	-5.72			-0.06
	4	*Diploria strigosa*	42.13	46.36	4.23	0.44	10.04			0.10
	5	*Diploria strigosa*	18.47	21.78	3.31	0.35	17.94			0.18
22	1	*Montastraea sp.*	13.13	10.62	-2.52	-0.26	-19.16	4.24	0.44	-0.19
	2	*Diploria strigosa*	18.20	22.98	4.78	0.50	26.26			0.26
	3	*Colpophyllia natans*	11.31	11.47	0.17	0.02	1.49			0.01
	4	*Diploria strigosa*	39.25	34.89	-4.37	-0.46	-11.13			-0.11
	5	*Montastraea sp.*	47.77	53.94	6.17	0.65	12.93			0.13
23	1	*Montastraea sp.*	24.50	28.48	3.98	0.42	16.24	22.12	2.32	0.16
	2	*Montastraea sp.*	54.43	64.89	10.46	1.09	19.21			0.19
	3	*Montastraea sp.*	17.26	21.68	4.42	0.46	25.61			0.26
	4	*Diploria strigosa*	7.99	7.28	-0.71	-0.07	-8.89			-0.09
	5	*Diploria strigosa*	16.15	20.11	3.97	0.42	24.58			0.25

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2004 (cm^2)**	**Area of coral head in 2005 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
24	1	*Montastraea sp.*	21.51	23.02	1.51	0.16	7.03	-5.47	-0.57	0.07
	2	*Montastraea cavernosa*	18.34	20.62	2.28	0.24	12.44			0.12
	3	*Montastraea sp.*	42.71	48.33	5.61	0.59	13.14			0.13
	4	*Diploria strigosa*	8.99	9.37	0.38	0.04	4.24			0.04
	5	*Montastraea sp.*	77.51	62.26	-15.26	-1.60	-19.68			-0.20
26	1	*Diploria strigosa*	10.02	8.83	-1.19	-0.12	-11.91	5.43	0.57	-0.12
	2	*Diploria strigosa*	24.30	19.70	-4.60	-0.48	-18.92			-0.19
	3	*Diploria strigosa*	8.16	7.94	-0.22	-0.02	-2.68			-0.03
	4	*Diploria strigosa*	13.03	20.70	7.67	0.80	58.90			0.59
	5	*Diploria strigosa*	11.28	15.04	3.77	0.39	33.39			0.33
26b	1	*Montastraea sp.*	17.98	12.52	-5.46	-0.57	-30.38	-4.22	-0.44	-0.30
	2	*Montastraea sp.*	7.11	8.26	1.16	0.12	16.26			0.16
	3	*Diploria strigosa*	3.87	4.42	0.55	0.06	14.27			0.14
	4	*Diploria strigosa*	20.39	20.25	-0.14	-0.01	-0.67			-0.01
	5	*Diploria strigosa*	11.16	10.84	-0.32	-0.03	-2.88			-0.03
27	1	*Montastraea sp.*	4.66	4.60	-0.06	-0.01	-1.26	6.61	0.69	-0.01
	2	*Montastraea sp.*	18.16	16.68	-1.48	-0.16	-8.16			-0.08
	3	*Montastraea sp.*	10.94	11.01	0.07	0.01	0.68			0.01
	4	*Diploria strigosa*	26.17	15.16	-11.02	-1.15	-42.09			-0.42
	5	*Montastraea sp.*	222.11	241.20	19.10	2.00	8.60			0.09
29	1	*Diploria strigosa*	16.36	21.76	5.40	0.57	32.99	10.79	1.13	0.33
	2	*Diploria strigosa*	26.47	26.91	0.44	0.05	1.68			0.02
	3	*Diploria strigosa*	95.47	97.97	2.50	0.26	2.62			0.03
	4	*Diploria strigosa*	40.76	44.37	3.61	0.38	8.85			0.09
	5	*Diploria strigosa*	17.74	16.58	-1.16	-0.12	-6.52			-0.07
29b	1	*Diploria strigosa*	9.14	11.23	2.09	0.22	22.89	-2.73	-0.29	0.23
	2	*Montastraea sp.*	10.39	10.26	-0.14	-0.01	-1.33			-0.01
	3	*Montastraea cavernosa*	75.56	71.95	-3.61	-0.38	-4.77			-0.05
	4	*Diploria strigosa*	14.75	13.67	-1.08	-0.11	-7.30			-0.07

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(not necessarily corresponding to the station number).
** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2004 (cm^2)**	**Area of coral head in 2005 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
30	1	*Montastraea cavernosa*	36.57	53.02	16.44	1.72	44.96	28.11	2.94	0.45
	2	*Colpophyllia natans*	51.48	56.14	4.66	0.49	9.05			0.09
	3	*Montastraea cavernosa*	76.74	82.55	5.81	0.61	7.57			0.08
	4	*Montastraea cavernosa*	37.54	32.05	-5.50	-0.58	-14.64			-0.15
	5	*Diploria strigosa*	42.96	49.65	6.70	0.70	15.59			0.16
30b	1	*Montastraea sp.*	16.11	16.46	0.35	0.04	2.17	-15.62	-1.64	0.02
	2	*Diploria strigosa*	90.15	71.70	-18.45	-1.93	-20.47			-0.20
	3	*Diploria strigosa*	4.72	4.92	0.20	0.02	4.23			0.04
	4	*Diploria strigosa*	5.93	7.62	1.68	0.18	28.38			0.28
	5	*Diploria strigosa*	9.00	9.59	0.60	0.06	6.63			0.07
33	1	*Montastraea sp.*	9.78	10.58	0.80	0.08	8.20	-4.33	-0.45	0.08
	2	*Montastraea sp.*	13.39	15.47	2.09	0.22	15.59			0.16
	3	*Montastraea sp.*	54.10	55.16	1.07	0.11	1.97			0.02
	4	*Montastraea cavernosa*	29.71	21.42	-8.28	-0.87	-27.88			-0.28
36	1	*Montastraea*	91.31	121.54	30.23	3.17	33.11	90.61	9.49	0.33
	2	*Montastraea*	38.73	78.55	39.82	4.17	102.83			1.03
	3	*Montastraea*	31.69	47.03	15.34	1.61	48.40			0.48
	4	*Montastraea*	9.90	15.12	5.22	0.55	52.68			0.53
38	1	*Diploria strigosa*	66.65	74.52	7.86	0.82	11.80	-19.41	-2.03	0.12
	2	*Diploria strigosa*	14.85	15.18	0.32	0.03	2.19			0.02
	3	*Colpophyllia natans*	96.74	78.89	-17.85	-1.87	-18.45			-0.18
	4	*Diploria strigosa*	10.96	10.33	-0.63	-0.07	-5.76			-0.06
	5	*Diploria strigosa*	28.84	26.31	-2.53	-0.27	-8.78			-0.09
	6	*Diploria strigosa*	48.46	41.88	-6.59	-0.69	-13.59			-0.14
UNK 1	1	*Montastraea sp.*	8.97	7.95	-1.02	-0.11	-11.37	5.94	0.62	-0.11
	2	*Diploria strigosa*	18.69	19.15	0.46	0.05	2.47			0.02
	3	*Montastraea sp.*	22.54	26.47	3.93	0.41	17.42			0.17
	4	*Diploria strigosa*	17.94	21.16	3.22	0.34	17.95			0.18
	5	*Montastraea sp.*	15.32	14.68	-0.65	-0.07	-4.21			-0.04

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
UNK 2	1	*Colpophyllia natans*	10.75	11.94	1.19	0.12	11.05	0.88	0.09	0.11
	2	*Diploria strigosa*	15.61	15.52	-0.08	-0.01	-0.54			-0.01
	3	*Montastraea sp.*	22.62	25.25	2.64	0.28	11.65			0.12
	4	*Diploria strigosa*	21.04	20.26	-0.78	-0.08	-3.71			-0.04
	5	*Montastraea sp.*	28.56	26.49	-2.08	-0.22	-7.27			-0.07

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** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank Deep Stations 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
81	1	*Colpophyllia natans*	98.67	89.49	-9.18	-0.96	-9.30	-20.22	-2.12	-0.09
	2	*Colpophyllia natans*	62.58	4.11	-58.46	-6.12	-93.43			-0.93
	3	*Diploria strigosa*	4.39	68.85	64.45	6.75	1467.07			14.67
	4	*Montastraea sp.*	79.31	62.28	-17.03	-1.78	-21.47			-0.21
82	1	*Montastraea cavernosa*	2.08	2.50	0.42	0.04	20.07	3.25	0.34	0.20
	2	*Montastraea cavernosa*	17.25	16.90	-0.34	-0.04	-1.99			-0.02
	3	*Colpophyllia natans*	13.46	15.51	2.05	0.21	15.22			0.15
	4	*Montastraea sp.*	28.58	29.71	1.12	0.12	3.94			0.04
83	1	*Montastraea sp.*	14.11	13.36	-0.75	-0.08	-5.29	-14.69	-1.54	-0.05
	2	*Montastraea cavernosa*	5.54	5.33	-0.21	-0.02	-3.81			-0.04
	3	*Montastraea sp.*	30.60	25.10	-5.50	-0.58	-17.98			-0.18
	4	*Montastraea cavernosa*	27.19	23.45	-3.74	-0.39	-13.76			-0.14
	5	*Montastraea sp.*	27.49	23.00	-4.49	-0.47	-16.32			-0.16
85	1	*Montastraea sp*	1.91	1.97	0.05	0.01	2.82	-13.66	-1.43	0.03
	2	*Montastraea cavernosa*	0.58	0.63	0.05	0.01	8.70			0.09
	3	*Montastraea cavernosa*	43.34	39.87	-3.47	-0.36	-8.01			-0.08
	4	*Montastraea sp.*	18.21	13.55	-4.66	-0.49	-25.58			-0.26
	5	*Montastraea cavernosa*	22.63	17.00	-5.64	-0.59	-24.91			-0.25
86	1	*Colpophyllia natans*	131.67	159.85	28.17	2.95	21.40	3.06	0.32	0.21
	2	*Montastraea cavernosa*	67.46	49.02	-18.44	-1.93	-27.33			-0.27
	3	*Montastraea cavernosa*	28.90	25.29	-3.61	-0.38	-12.49			-0.12
	4	*Montastraea cavernosa*	46.90	43.83	-3.07	-0.32	-6.54			-0.07
87	1	*Montastraea sp.*	33.07	30.63	-2.44	-0.26	-7.38	-5.51	-0.58	-0.07
	2	*Montastraea sp.*	11.26	11.30	0.04	0.00	0.35			0.00
	3	*Montastraea sp.*	38.50	34.94	-3.55	-0.37	-9.23			-0.09
	4	*Montastraea sp.*	21.37	22.44	1.06	0.11	4.97			0.05
	5	*Diploria strigosa*	2.36	1.74	-0.62	-0.07	-26.32			-0.26

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

East Flower Garden Bank Deep Stations 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
88	1	*Montastraea sp.*	14.95	15.48	0.53	0.06	3.55	-20.28	-2.12	0.04
	2	*Montastraea cavernosa*	34.68	31.38	-3.30	-0.35	-9.52			-0.10
	3	*Montastraea sp.*	17.34	12.74	-4.59	-0.48	-26.49			-0.26
	4	*Colpophyllia natans*	12.26	7.09	-5.17	-0.54	-42.19			-0.42
	5	*Montastraea sp.*	38.17	30.43	-7.74	-0.81	-20.28			-0.20
UNK 8	1	*Montastraea cavernosa*	12.98	39.48	26.50	2.77	204.20	24.60	2.58	2.04
	2	*Montastraea cavernosa*	22.09	19.47	-2.62	-0.27	-11.88			-0.12
	3	*Colpophyllia natans*	11.87	11.22	-0.65	-0.07	-5.48			-0.05
	4	*Montastraea sp.*	21.10	22.78	1.68	0.18	7.98			0.08
	5	*Montastraea cavernosa*	6.34	6.03	-0.31	-0.03	-4.90			-0.05
UNK 9	1	*Montastraea sp.*	10.31	11.11	0.80	0.08	7.78	-11.28	-1.18	0.08
	2	*Montastraea cavernosa*	6.21	4.26	-1.95	-0.20	-31.37			-0.31
	3	*Montastraea cavernosa*	48.35	42.11	-6.23	-0.65	-12.89			-0.13
	4	*Montastraea sp.*	5.22	4.87	-0.35	-0.04	-6.66			-0.07
	5	*Montastraea cavernosa*	13.75	10.20	-3.55	-0.37	-25.83			-0.26

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2003-2004										
RQS # *	**Coral Head #**	**Species**	**Area of coral head in 2003 (cm^2)**	**Area of coral head in 2004 (cm^2)**	**Change in Area (cm^2)**	**% Change in Area**	**% change in coral colony area**	**Total change in Area within Quadrat (cm^2)**	**Total % change in Area within Quadrat**	**Proportional Change**
4	1	*Diploria strigosa*	22.73	22.51	-0.22	-0.02	-0.98	-7.54	-0.79	-0.01
	2	*Diploria strigosa*	25.55	17.28	-8.27	-0.87	-32.38			-0.32
	3	*Diploria strigosa*	4.57	4.59	0.02	0.00	0.51			0.01
	4	*Diploria strigosa*	17.72	18.12	0.40	0.04	2.26			0.02
	5	*Montastraea sp.*	5.82	6.36	0.53	0.06	9.12			0.09
9	1	*Diploria strigosa*	4.07	5.64	1.57	0.16	38.50	-3.66	-0.38	0.39
	2	*Montastraea sp.*	206.63	205.72	-0.91	-0.10	-0.44			0.00
	3	*Diploria strigosa*	6.03	7.06	1.02	0.11	16.97			0.17
	4	*Montastraea sp.*	47.28	41.76	-5.52	-0.58	-11.67			-0.12
	5	*Diploria strigosa*	8.22	8.41	0.18	0.02	2.20			0.02
12	1	*Diploria strigosa*	11.71	11.27	-0.45	-0.05	-3.81	-31.61	-3.31	-0.04
	2	*Colpophyllia natans*	32.05	14.81	-17.25	-1.81	-53.81			-0.54
	3	*Diploria strigosa*	37.69	23.82	-13.87	-1.45	-36.79			-0.37
	4	*Porites astreoides*	9.84	9.80	-0.04	0.00	-0.43			0.00
14	1	*Diploria strigosa*	50.96	44.06	-6.90	-0.72	-13.55	-55.28	-5.79	-0.14
	2	*Montastraea cavernosa*	50.14	47.73	-2.41	-0.25	-4.80			-0.05
	3	*Diploria strigosa*	6.52	5.82	-0.69	-0.07	-10.66			-0.11
	4	*Diploria strigosa*	4.38	4.52	0.15	0.02	3.33			0.03
	5	*Colpophyllia natans*	97.98	65.90	-32.08	-3.36	-32.74			-0.33
	6	*Diploria strigosa*	39.96	26.63	-13.34	-1.40	-33.37			-0.33
15	1	*Montastraea sp.*	66.48	28.63	-37.85	-3.96	-56.94	-40.64	-4.25	-0.57
	2	*Montastraea sp.*	6.74	6.14	-0.61	-0.06	-8.98			-0.09
	3	*Montastraea sp.*	14.52	10.89	-3.63	-0.38	-25.00			-0.25
	4	*Montastraea sp.*	29.15	28.76	-0.39	-0.04	-1.34			-0.01
	5	*Montastraea sp.*	56.06	57.90	1.84	0.19	3.28			0.03
16	1	*Montastraea cavernosa*	21.16	5.61	-15.55	-1.63	-73.50	-21.16	-2.22	-0.73
	2	*Montastraea sp.*	71.63	65.08	-6.55	-0.69	-9.15			-0.09
	3	*Diploria strigosa*	4.23	4.38	0.16	0.02	3.70			0.04
	4	*Diploria strigosa*	3.56	3.84	0.29	0.03	8.02			0.08
	5	*Porites astreoides*	4.98	5.48	0.50	0.05	10.04			0.10

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2003-2004

RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
17	1	*Montastraea sp.*	24.34	32.45	8.10	0.85	33.29	21.74	2.28	0.33
17	2	*Diploria strigosa*	37.62	35.96	-1.66	-0.17	-4.42	21.74	2.28	-0.04
17	3	*Montastraea sp.*	63.31	58.23	-5.08	-0.53	-8.03	21.74	2.28	-0.08
17	4	*Montastraea cavernosa*	29.57	50.60	21.03	2.20	71.12	21.74	2.28	0.71
17	5	*Porites astreoides*	8.12	6.94	-1.18	-0.12	-14.52	21.74	2.28	-0.15
17	6	*Porites astreoides*	4.73	5.26	0.53	0.06	11.25	21.74	2.28	0.11
20	1	*Montastraea sp.*	19.39	13.21	-6.18	-0.65	-31.87	-34.62	-3.62	-0.32
20	2	*Montastraea sp.*	12.24	12.95	0.71	0.07	5.78	-34.62	-3.62	0.06
20	3	*Colpophyllia natans*	19.66	15.91	-3.76	-0.39	-19.11	-34.62	-3.62	-0.19
20	4	*Diploria strigosa*	25.61	4.16	-21.44	-2.25	-83.74	-34.62	-3.62	-0.84
20	5	*Montastraea sp.*	7.82	3.88	-3.94	-0.41	-50.42	-34.62	-3.62	-0.50
23	1	*Montastraea sp.*	10.18	8.79	-1.39	-0.15	-13.64	-4.52	-0.47	-0.14
23	2	*Montastraea sp.*	61.27	59.62	-1.65	-0.17	-2.69	-4.52	-0.47	-0.03
23	3	*Diploria strigosa*	3.59	1.62	-1.97	-0.21	-54.88	-4.52	-0.47	-0.55
23	4	*Diploria strigosa*	10.90	11.39	0.49	0.05	4.47	-4.52	-0.47	0.04
24	1	*Montastraea cavernosa*	149.29	132.63	-16.66	-1.74	-11.16	-12.80	-1.34	-0.11
24	2	*Montastraea sp.*	20.54	20.50	-0.04	0.00	-0.19	-12.80	-1.34	0.00
24	3	*Colpophyllia natans*	13.42	18.02	4.61	0.48	34.35	-12.80	-1.34	0.34
24	4	*Montastraea sp.*	17.12	14.10	-3.02	-0.32	-17.64	-12.80	-1.34	-0.18
24	5	*Montastraea cavernosa*	25.60	27.91	2.31	0.24	9.04	-12.80	-1.34	0.09
26	1	*Diploria strigosa*	14.99	5.46	-9.53	-1.00	-63.56	4.22	0.44	-0.64
26	2	*Montastraea sp.*	45.21	46.43	1.23	0.13	2.71	4.22	0.44	0.03
26	3	*Montastraea sp.*	42.38	52.27	9.89	1.04	23.34	4.22	0.44	0.23
26	4	*Montastraea sp.*	9.74	11.44	1.69	0.18	17.36	4.22	0.44	0.17
26	5	*Diploria strigosa*	23.74	24.68	0.94	0.10	3.97	4.22	0.44	0.04
28	1	*Colpophyllia natans*	20.47	19.74	-0.72	-0.08	-3.53	-12.32	-1.29	-0.04
28	2	*Diploria strigosa*	5.32	6.76	1.44	0.15	26.99	-12.32	-1.29	0.27
28	3	*Colpophyllia natans*	14.77	14.81	0.04	0.00	0.24	-12.32	-1.29	0.00
28	4	*Montastraea sp.*	47.39	35.84	-11.55	-1.21	-24.37	-12.32	-1.29	-0.24
28	5	*Diploria strigosa*	6.39	4.86	-1.53	-0.16	-23.90	-12.32	-1.29	-0.24

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
	1	*Montastraea sp.*	16.08	21.24	5.16	0.54	32.08			0.32
	2	*Diploria strigosa*	8.03	9.43	1.40	0.15	17.44			0.17
31	3	*Montastraea sp.*	39.82	40.74	0.92	0.10	2.31	14.34	1.50	0.02
	4	*Montastraea sp.*	38.88	45.96	7.08	0.74	18.22			0.18
	5	*Montastraea sp.*	14.65	14.42	-0.23	-0.02	-1.55			-0.02
	1	*Montastraea sp.*	65.14	19.63	-45.51	-4.77	-69.87			-0.70
	2	*Diploria strigosa*	33.03	16.52	-16.50	-1.73	-49.97			-0.50
64	3	*Montastraea sp.*	26.02	22.12	-3.90	-0.41	-14.98	-65.46	-6.85	-0.15
	4	*Diploria strigosa*	18.48	18.93	0.45	0.05	2.44			0.02
	5	*Diploria strigosa*	7.21	7.22	0.01	0.00	0.08			0.00
	1	*Montastraea sp.*	29.84	32.82	2.98	0.31	10.00			0.10
	2	*Diploria strigosa*	26.92	26.77	-0.15	-0.02	-0.56			-0.01
64b	3	*Diploria strigosa*	6.44	7.37	0.94	0.10	14.59	3.86	0.40	0.15
	4	*Diploria strigosa*	5.76	5.84	0.08	0.01	1.41			0.01
	5	*Diploria strigosa*	1.35	1.36	0.01	0.00	0.79			0.01
	1	*Diploria strigosa*	13.73	17.15	3.41	0.36	24.83			0.25
92	2	*Diploria strigosa*	39.38	38.80	-0.58	-0.06	-1.46	2.26	0.24	-0.01
	3	*Montastraea sp.*	43.44	43.34	-0.10	-0.01	-0.23			0.00
	4	*Montastraea sp.*	14.30	13.83	-0.47	-0.05	-3.29			-0.03
	1	*Montastraea sp.*	21.46	22.06	0.61	0.06	2.83			0.03
	2	*Montastraea sp.*	45.37	37.05	-8.32	-0.87	-18.35			-0.18
UNK 1	3	*Montastraea sp.*	13.21	10.90	-2.32	-0.24	-17.53	-23.25	-2.43	-0.18
	4	*Montastraea sp.*	79.40	68.61	-10.80	-1.13	-13.60			-0.14
	5	*Diploria strigosa*	4.69	2.27	-2.42	-0.25	-51.61			-0.52
	1	*Montastraea sp.*	3.19	3.40	0.21	0.02	6.70			0.07
UNK 2	2	*Diploria strigosa*	15.24	16.23	0.99	0.10	6.49	1.50	0.16	0.06
	3	*Diploria strigosa*	8.21	9.49	1.28	0.13	15.55			0.16
	4	*Diploria strigosa*	10.22	9.24	-0.98	-0.10	-9.57			-0.10

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(not necessarily corresponding to the station number).

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2003-2004										
RQS # *	Coral Head #	Species	Area of coral head in 2003 (cm^2)	Area of coral head in 2004 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
UNK 4	1	*Montastraea sp.*	1.63	1.98	0.35	0.04	21.50	-36.00	-3.77	0.22
	2	*Diploria strigosa*	46.61	43.53	-3.08	-0.32	-6.60			-0.07
	3	*Diploria strigosa*	71.02	53.50	-17.51	-1.83	-24.66			-0.25
	4	*Diploria strigosa*	7.27	5.73	-1.55	-0.16	-21.27			-0.21
	5	*Diploria strigosa*	81.45	67.24	-14.21	-1.49	-17.45			-0.17
UNK 5	1	*Montastraea sp.*	1.87	1.87	0.00	0.00	-0.10	-1.38	-0.14	0.00
	2	*Diploria strigosa*	2.09	3.49	1.40	0.15	66.75			0.67
	3	*Diploria strigosa*	19.92	14.75	-5.18	-0.54	-25.98			-0.26
	4	*Diploria strigosa*	5.31	7.31	2.00	0.21	37.64			0.38
	5	*Diploria strigosa*	2.85	3.25	0.40	0.04	14.13			0.14
UNK 6	1	*Diploria strigosa*	7.37	8.28	0.91	0.10	12.35	-1.89	-0.20	0.12
	2	*Diploria strigosa*	16.18	14.58	-1.60	-0.17	-9.88			-0.10
	3	*Diploria strigosa*	40.57	38.33	-2.24	-0.24	-5.53			-0.06
	4	*Diploria strigosa*	5.40	5.84	0.44	0.05	8.14			0.08
	5	*Diploria strigosa*	3.66	4.26	0.60	0.06	16.37			0.16
UNK 7	1	*Diploria strigosa*	20.91	19.37	-1.53	-0.16	-7.33	-20.92	-2.19	-0.07
	2	*Diploria strigosa*	9.81	9.96	0.16	0.02	1.59			0.02
	3	*Diploria strigosa*	21.70	18.13	-3.57	-0.37	-16.47			-0.16
	4	*Montastraea sp.*	215.12	197.82	-17.30	-1.81	-8.04			-0.08
	5	*Diploria strigosa*	10.65	11.98	1.33	0.14	12.47			0.12
UNK 8	1	*Diploria strigosa*	20.41	21.73	1.31	0.14	6.43	-4.87	-0.51	0.06
	2	*Colpophyllia natans*	20.62	16.51	-4.11	-0.43	-19.93			-0.20
	3	*Montastraea cavernosa*	21.37	22.70	1.34	0.14	6.25			0.06
	4	*Diploria strigosa*	18.04	16.05	-1.99	-0.21	-11.04			-0.11
	5	*Diploria strigosa*	10.67	9.25	-1.42	-0.15	-13.31			-0.13

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Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
4	1	*Diploria strigosa*	22.51	27.19	4.68	0.49	20.80	-0.24	-0.03	0.21
	2	*Diploria strigosa*	17.28	14.82	-2.46	-0.26	-14.24			-0.14
	3	*Diploria strigosa*	4.59	5.01	0.42	0.04	9.14			0.09
	4	*Diploria strigosa*	18.12	15.89	-2.23	-0.23	-12.33			-0.12
	5	*Montastraea sp.*	6.36	5.71	-0.65	-0.07	-10.18			-0.10
9	1	*Diploria strigosa*	5.64	8.83	3.19	0.33	56.60	-27.17	-2.84	0.57
	2	*Montastraea sp.*	205.72	183.43	-22.29	-2.33	-10.84			-0.11
	3	*Diploria strigosa*	7.06	2.64	-4.41	-0.46	-62.54			-0.63
	4	*Montastraea sp.*	41.76	37.22	-4.55	-0.48	-10.89			-0.11
	5	*Diploria strigosa*	8.41	9.30	0.89	0.09	10.63			0.11
14	1	*Diploria strigosa*	44.06	41.90	-2.16	-0.23	-4.90	29.85	3.12	-0.05
	2	*Montastraea cavernosa*	47.73	44.75	-2.98	-0.31	-6.25			-0.06
	3	*Diploria strigosa*	5.82	5.40	-0.42	-0.04	-7.20			-0.07
	4	*Diploria strigosa*	4.52	4.34	-0.18	-0.02	-4.04			-0.04
	5	*Colpophyllia natans*	65.90	95.83	29.94	3.13	45.43			0.45
	6	*Diploria strigosa*	26.63	32.28	5.65	0.59	21.23			0.21
15	1	*Montastraea sp.*	28.63	59.70	31.07	3.25	108.54	23.81	2.49	1.09
	2	*Montastraea sp.*	6.14	5.42	-0.71	-0.07	-11.64			-0.12
	3	*Montastraea sp.*	10.89	9.83	-1.06	-0.11	-9.77			-0.10
	4	*Montastraea sp.*	28.76	30.85	2.09	0.22	7.27			0.07
	5	*Montastraea sp.*	57.90	50.33	-7.58	-0.79	-13.08			-0.13
16	1	*Montastraea cavernosa*	5.61	18.06	12.45	1.30	222.05	8.48	0.89	2.22
	2	*Montastraea sp.*	65.08	62.34	-2.74	-0.29	-4.20			-0.04
	3	*Diploria strigosa*	4.38	3.56	-0.82	-0.09	-18.70			-0.19
	4	*Diploria strigosa*	3.84	3.90	0.06	0.01	1.44			0.01
	5	*Porites astreoides*	5.48	5.01	-0.47	-0.05	-8.60			-0.09

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(not necessarily corresponding to the station number).
** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
17	1	*Montastraea sp.*	32.45	45.02	12.57	1.32	38.75	-22.28	-2.33	0.39
	2	*Diploria strigosa*	35.96	34.81	-1.15	-0.12	-3.19			-0.03
	3	*Montastraea sp.*	58.23	31.21	-27.02	-2.83	-46.40			-0.46
	4	*Montastraea cavernosa*	50.60	41.71	-8.89	-0.93	-17.57			-0.18
	5	*Porites astreoides*	6.94	8.15	1.21	0.13	17.47			0.17
	6	*Porites astreoides*	5.26	6.25	0.99	0.10	18.81			0.19
20	1	*Montastraea sp.*	13.21	16.44	3.22	0.34	24.38	17.64	1.85	0.24
	2	*Montastraea sp.*	12.95	13.73	0.78	0.08	6.04			0.06
	3	*Colpophyllia natans*	15.91	14.45	-1.45	-0.15	-9.14			-0.09
	4	*Diploria strigosa*	4.16	18.21	14.05	1.47	337.38			3.37
	5	*Montastraea sp.*	3.88	4.92	1.05	0.11	26.98			0.27
23	1	*Montastraea sp.*	8.79	12.16	3.37	0.35	38.36	6.92	0.72	0.38
	2	*Montastraea sp.*	59.62	63.34	3.72	0.39	6.24			0.06
	3	*Diploria strigosa*	1.62	3.09	1.47	0.15	90.54			0.91
	4	*Diploria strigosa*	11.39	9.76	-1.63	-0.17	-14.35			-0.14
24	1	*Montastraea cavernosa*	132.63	161.12	28.49	2.98	21.48	20.85	2.18	0.21
	2	*Montastraea sp.*	20.50	19.72	-0.78	-0.08	-3.80			-0.04
	3	*Colpophyllia natans*	18.02	17.89	-0.14	-0.01	-0.76			-0.01
	4	*Montastraea sp.*	14.10	8.49	-5.61	-0.59	-39.80			-0.40
	5	*Montastraea cavernosa*	27.91	26.80	-1.11	-0.12	-3.97			-0.04
26	1	*Diploria strigosa*	5.46	NP**	0.00	0.00	0.00	-13.50	-1.41	0.00
	2	*Montastraea sp.*	46.43	46.71	0.27	0.03	0.59			0.01
	3	*Montastraea sp.*	52.27	40.53	-11.75	-1.23	-22.47			-0.22
	4	*Montastraea sp.*	11.44	10.05	-1.39	-0.15	-12.14			-0.12
	5	*Diploria strigosa*	24.68	24.04	-0.64	-0.07	-2.57			-0.03

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(not necessarily corresponding to the station number).
** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
28	1	*Colpophyllia natans*	19.74	14.34	-5.40	-0.57	-27.37	-0.18	-0.02	-0.27
	2	*Diploria strigosa*	6.76	5.86	-0.90	-0.09	-13.38			-0.13
	3	*Colpophyllia natans*	14.81	13.61	-1.20	-0.13	-8.10			-0.08
	4	*Montastraea sp.*	35.84	41.68	5.84	0.61	16.30			0.16
	5	*Diploria strigosa*	4.86	6.35	1.49	0.16	30.54			0.31
64	1	*Montastraea sp.*	19.63	31.84	12.22	1.28	62.25	18.82	1.97	0.62
	2	*Diploria strigosa*	16.52	22.67	6.15	0.64	37.24			0.37
	3	*Montastraea sp.*	22.12	24.98	2.85	0.30	12.90			0.13
	4	*Diploria strigosa*	18.93	18.02	-0.91	-0.10	-4.83			-0.05
	5	*Diploria strigosa*	7.22	5.73	-1.49	-0.16	-20.58			-0.21
64b	1	*Montastraea sp.*	32.82	36.56	3.74	0.39	11.40	5.39	0.56	0.11
	2	*Diploria strigosa*	26.77	28.78	2.01	0.21	7.51			0.08
	3	*Diploria strigosa*	7.37	NP**	0.00	0.00	0.00			0.00
	4	*Diploria strigosa*	5.84	5.53	-0.30	-0.03	-5.20			-0.05
	5	*Diploria strigosa*	1.36	1.31	-0.05	-0.01	-3.86			-0.04
92	1	*Diploria strigosa*	17.15	2.87	-14.28	-1.49	-83.27	-43.50	-4.55	-0.83
	2	*Diploria strigosa*	38.80	NP**	0.00	0.00	0.00			0.00
	3	*Montastraea sp.*	43.34	22.83	-29.37	-3.07	-67.76			-0.68
	4	*Montastraea sp.*	13.83	13.97	0.15	0.02	1.05			0.01
UNK 1	1	*Montastraea sp.*	22.06	19.51	-2.55	-0.27	-11.57	-14.51	-1.52	-0.12
	2	*Montastraea sp.*	37.05	43.15	6.10	0.64	16.47			0.16
	3	*Montastraea sp.*	10.90	12.60	1.70	0.18	15.63			0.16
	4	*Montastraea sp.*	68.61	49.47	-19.14	-2.00	-27.90			-0.28
	5	*Diploria strigosa*	2.27	1.65	-0.62	-0.07	-27.41			-0.27
UNK 2	1	*Montastraea sp.*	3.40	3.05	-0.36	-0.04	-10.49	-0.82	-0.09	-0.10
	2	*Diploria strigosa*	16.23	15.72	-0.51	-0.05	-3.12			-0.03
	3	*Diploria strigosa*	9.49	9.74	0.26	0.03	2.72			0.03
	4	*Diploria strigosa*	9.24	9.03	-0.21	-0.02	-2.31			-0.02

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(not necessarily corresponding to the station number).
** colony not in photograph

Appendix 4
Repetitive Quadrats: Proportional Change for Selected Coral Heads

West Flower Garden Bank 2004-2005										
RQS # *	Coral Head #	Species	Area of coral head in 2004 (cm^2)	Area of coral head in 2005 (cm^2)	Change in Area (cm^2)	% Change in Area	% change in coral colony area	Total change in Area within Quadrat (cm^2)	Total % change in Area within Quadrat	Proportional Change
UNK 4	1	*Montastraea sp.*	1.98	2.21	0.23	0.02	11.40	-3.50	-0.37	0.11
	2	*Diploria strigosa*	43.53	38.62	-4.92	-0.51	-11.29			-0.11
	3	*Diploria strigosa*	53.50	60.67	7.16	0.75	13.38			0.13
	4	*Diploria strigosa*	5.73	5.15	-0.58	-0.06	-10.14			-0.10
	5	*Diploria strigosa*	67.24	61.85	-5.39	-0.56	-8.01			-0.08
UNK 5	1	*Montastraea sp.*	1.87	1.84	-0.03	0.00	-1.77	4.25	0.45	-0.02
	2	*Diploria strigosa*	3.49	2.50	-0.99	-0.10	-28.33			-0.28
	3	*Diploria strigosa*	14.75	20.36	5.62	0.59	38.10			0.38
	4	*Diploria strigosa*	7.31	6.90	-0.42	-0.04	-5.69			-0.06
	5	*Diploria strigosa*	3.25	3.32	0.07	0.01	2.20			0.02
UNK 6	1	*Diploria strigosa*	8.28	5.13	-3.15	-0.33	-37.99	-2.19	-0.23	-0.38
	2	*Diploria strigosa*	14.58	13.47	-1.11	-0.12	-7.62			-0.08
	3	*Diploria strigosa*	38.33	40.60	2.28	0.24	5.94			0.06
	4	*Diploria strigosa*	5.84	5.72	-0.12	-0.01	-2.10			-0.02
	5	*Diploria strigosa*	4.26	4.17	-0.09	-0.01	-2.04			-0.02
UNK 8	1	*Diploria strigosa*	21.73	19.07	-2.66	-0.28	-12.23	0.76	0.08	-0.12
	2	*Colpophyllia natans*	16.51	17.00	0.49	0.05	2.96			0.03
	3	*Montastraea cavernosa*	22.70	20.72	-1.98	-0.21	-8.73			-0.09
	4	*Diploria strigosa*	16.05	17.82	1.77	0.19	11.02			0.11
	5	*Diploria strigosa*	9.25	12.39	3.15	0.33	34.02			0.34

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** colony not in photograph

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/11/04 22:00	20.94	10.751	11.79	69	14.85	0.106	10.71	-249.4	-1288.8	2.9	16.3
3/11/04 22:30	21.69	13.484	11.98	69	14.85	0.105	10.72	-250.7	-2728.4	2.9	16.2
3/11/04 23:00	20.29	14.313	12.08	67	14.86	0.109	10.51	-237.8	-36.6	2.9	15.4
3/11/04 23:30	21.26	73.412	-0.37	101	48.16	22.737	7.96	-91.6	-35.5	3	5.9
3/12/04 0:00	21.22	87.196	4.26	100	48.08	22.491	7.96	-92	-13.3	3	6.1
3/12/04 0:30	21.21	85.23	10.49	100	48.07	22.515	7.97	-92.6	3.3	3	6
3/12/04 1:00	21.22	52.37	18.56	100	48.03	22.92	7.98	-92.8	6.5	3.1	5.9
3/12/04 1:30	21.28	44.229	13.76	100	47.95	22.97	7.99	-93.7	8.8	2.9	6
3/12/04 2:00	21.28	43.729	10.47	101	47.95	22.977	8	-94	9.7	2.9	5.8
3/12/04 2:30	21.27	43.169	9.87	100	47.92	22.958	8	-94.2	10.5	3	6.2
3/12/04 3:00	21.26	43.015	9.61	101	47.85	22.912	8.01	-94.4	11.4	3	6
3/12/04 3:30	21.25	43.03	9.1	101	47.79	22.871	8.01	-94.6	12	3	6.1
3/12/04 4:00	21.25	43.075	8.67	101	47.76	22.849	8.01	-94.8	12.5	3.1	6.1
3/12/04 4:30	21.24	42.965	7.58	100	47.75	22.843	8.02	-95	13.2	3	5.9
3/12/04 5:00	21.24	45.267	7.11	101	47.74	22.806	8.02	-95.2	13.7	2.9	5.9
3/12/04 5:30	21.27	45.604	4.77	100	47.69	22.771	8.02	-95.4	14.1	2.9	5.9
3/12/04 6:00	21.29	45.887	3.19	101	47.71	22.783	8.02	-95.5	14.6	2.9	6
3/12/04 6:30	21.3	46.106	1.68	100	47.72	22.784	8.03	-95.6	14.9	3	6.5
3/12/04 7:00	21.33	46.273	1.43	100	47.73	22.791	8.03	-95.6	15.1	2.9	5.9
3/12/04 7:30	21.35	46.314	1.66	100	47.74	22.797	8.03	-95.5	15.2	3.1	6.1
3/12/04 8:00	21.37	46.478	2.31	100	47.79	22.832	8.03	-95.6	15.3	2.9	5.9
3/12/04 8:30	21.37	46.547	3.6	100	47.83	22.856	8.03	-95.6	15.4	2.9	5.9
3/12/04 9:00	21.39	46.648	5.64	100	47.89	22.896	8.02	-95.5	15.3	2.9	6
3/12/04 9:30	21.36	46.75	5.45	100	47.95	22.938	8.02	-95.2	15.4	2.9	6.1
3/12/04 10:00	21.4	46.834	5.07	100	48	22.973	8.02	-95.4	15.4	2.9	6.1
3/12/04 10:30	21.41	46.858	5.29	101	48.06	23.01	8.02	-95.5	15.6	2.9	6.1
3/12/04 11:00	21.41	46.988	5.59	100	48.17	23.088	8.02	-95.5	15.7	2.9	5.9
3/12/04 11:30	21.4	47.113	5.11	100	48.23	23.124	8.03	-95.6	15.9	2.9	6
3/12/04 12:00	21.41	47.254	5.2	100	48.31	23.176	8.03	-95.6	15.9	2.9	5.9
3/12/04 12:30	21.41	47.383	5.93	101	48.36	23.211	8.03	-95.7	14.1	2.8	6.1
3/12/04 13:00	21.44	47.476	6.22	101	48.42	23.253	8.03	-95.8	-5.6	3	6
3/12/04 13:30	21.48	48.28	2.01	100	48.5	23.296	8.03	-95.8	-19.7	2.9	6
3/12/04 14:00	21.52	48.385	-3.44	100	48.51	23.304	8.03	-95.9	-46.3	3	6
3/12/04 14:30	21.57	48.433	-3.67	100	48.54	23.325	8.03	-96.1	-57.4	3	6.1
3/12/04 15:00	21.59	58.298	-3.51	101	48.57	23.215	8.03	-96.1	-99.7	3	5.9
3/12/04 15:30	21.6	58.213	-3.51	101	48.55	23.203	8.03	-96.1	-84.4	3	5.9
3/12/04 16:00	21.62	58.347	-3.51	101	48.55	23.203	8.03	-96.1	-112.1	2.9	6
3/12/04 16:30	21.63	58.428	-3.51	100	48.6	23.234	8.03	-96.1	-142.2	2.9	6.1
3/12/04 17:00	21.63	58.847	-2.78	100	48.59	23.225	8.03	-96	-120.2	3	5.9
3/12/04 17:30	21.66	58.571	-2.16	101	48.57	23.211	8.03	-96.1	-190.1	2.9	6.1
3/12/04 18:00	21.67	58.637	-1.57	100	48.55	23.201	8.03	-96.1	-132.8	3	6.1
3/12/04 18:30	21.68	58.663	-1.22	100	48.52	23.181	8.03	-95.9	-335.4	3	6.1
3/12/04 19:00	21.68	58.683	-0.89	100	48.55	23.203	8.03	-96	-169.1	3	6
3/12/04 19:30	21.67	58.675	-0.73	100	48.49	23.156	8.03	-95.9	-162.6	3.1	6
3/12/04 20:00	21.69	58.663	-0.31	100	48.46	23.138	8.03	-96	-242.9	3	5.9
3/12/04 20:30	21.69	58.664	0.4	100	48.48	23.151	8.03	-96	-142.2	3	6.1
3/12/04 21:00	21.71	58.651	0.83	101	48.46	23.14	8.03	-96	-111.3	3	5.9
3/12/04 21:30	21.71	58.638	0.89	100	48.41	23.102	8.03	-96	-121.5	3	6.1
3/12/04 22:00	21.73	58.571	0.9	100	48.36	23.074	8.03	-96.1	-108.9	3	5.9
3/12/04 22:30	21.72	58.564	1.15	101	48.39	23.091	8.03	-96.1	-114.2	3	6
3/12/04 23:00	21.72	58.513	1.21	100	48.35	23.063	8.03	-96.1	-106.8	2.9	6.1
3/12/04 23:30	21.71	58.445	1.32	100	48.29	23.027	8.03	-96.1	-14.1	3	6
3/13/04 0:00	21.68	58.331	1.59	100	48.26	23.003	8.03	-96	-0.9	2.9	6.1
3/13/04 0:30	21.59	58.283	2	100	48.18	22.951	8.03	-96.1	10.1	3	6.1
3/13/04 1:00	21.56	58.169	1.88	101	48.15	22.93	8.03	-95.9	12.3	3	6.1
3/13/04 1:30	21.53	58.113	1.93	100	48.08	22.88	8.03	-95.9	13.4	2.9	6
3/13/04 2:00	21.51	57.856	1.91	100	48.01	22.838	8.03	-95.9	14.2	2.9	6.2
3/13/04 2:30	21.48	57.708	2.04	100	47.94	22.795	8.03	-95.8	14.9	2.9	6.2
3/13/04 3:00	21.49	57.459	2.36	100	47.86	22.743	8.03	-95.7	15.1	2.8	6.1
3/13/04 3:30	21.48	57.222	2.28	100	47.85	22.739	8.03	-95.7	15.5	3	6.2
3/13/04 4:00	21.47	56.925	2.37	100	47.82	22.72	8.03	-95.6	15.8	2.9	6.1
3/13/04 4:30	21.47	56.5	2.54	100	47.7	22.646	8.02	-95.5	16	3.1	6
3/13/04 5:00	21.48	55.963	2.54	100	47.75	22.685	8.01	-95	16.4	3	6.1
3/13/04 5:30	21.49	55.61	3.09	100	47.7	22.658	8.01	-94.9	16.4	2.9	6.1
3/13/04 6:00	21.51	55.181	2.7	100	47.67	22.638	8.01	-94.6	16.8	3	6.1

Appendix 5
Water Quality Data

East Flower Garden Bank

March 11, 2004 - April 15, 2004

DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/13/04 6:30	21.53	54.974	2.72	100	47.63	22.616	8.01	-94.4	16.9	3	5.9
3/13/04 7:00	21.6	54.737	2.75	101	47.61	22.607	8.01	-95	17.2	3	6
3/13/04 7:30	21.63	54.501	2.63	100	47.64	22.627	8.03	-95.9	17.5	3	6.1
3/13/04 8:00	21.65	54.298	3.01	100	47.68	22.658	8.03	-95.9	17.4	2.9	6.2
3/13/04 8:30	21.67	54.242	2.87	100	47.76	22.716	8.03	-95.9	17.8	2.9	5.9
3/13/04 9:00	21.71	54.208	2.82	101	47.71	22.682	8.03	-95.9	17.6	2.8	6
3/13/04 9:30	21.75	54.378	3.06	100	47.88	22.795	8.03	-95.9	17.7	2.9	6.2
3/13/04 10:00	21.77	54.524	2.49	101	47.87	22.785	8.03	-96.1	17.9	2.9	6
3/13/04 10:30	21.79	54.724	2.99	101	47.91	22.814	8.03	-96.1	18	3	6.1
3/13/04 11:00	21.77	55.009	3.15	100	48.01	22.876	8.03	-96	18	3	6
3/13/04 11:30	21.79	55.264	3.35	101	48.11	22.94	8.03	-96.1	18.2	2.9	6.1
3/13/04 12:00	21.81	55.676	3.2	100	48.18	22.982	8.04	-96.2	18.3	3	6.2
3/13/04 12:30	21.82	56.202	3.26	100	48.26	23.034	8.03	-96.1	16	3	6.1
3/13/04 13:00	21.83	56.709	3.21	101	48.28	23.043	8.03	-96.1	-1.3	2.9	6
3/13/04 13:30	21.83	57.117	3.15	101	48.37	23.098	8.03	-95.9	-48.5	2.9	5.9
3/13/04 14:00	21.82	57.441	3	100	48.39	23.108	8.03	-95.8	-82.5	2.9	6
3/13/04 14:30	21.82	57.712	2.89	100	48.44	23.141	8.03	-95.8	-71.7	3	6
3/13/04 15:00	21.83	57.872	2.6	100	48.54	23.208	8.03	-95.8	-93.1	3	6.1
3/13/04 15:30	21.83	58.033	2.52	100	48.56	23.215	8.03	-95.7	-224.9	3	6
3/13/04 16:00	21.82	58.321	2.63	100	48.65	23.271	8.03	-95.6	-231.1	3	5.9
3/13/04 16:30	21.81	58.431	3.85	101	48.69	23.303	8.02	-95.6	-254.8	3	6.1
3/13/04 17:00	21.82	58.621	3.62	101	48.66	23.273	8.02	-95.6	-275.3	3	5.8
3/13/04 17:30	21.8	58.594	4.11	101	48.59	23.232	8.02	-95.6	-309.6	3	6
3/13/04 18:00	21.81	58.683	3.27	100	48.52	23.182	8.02	-95.6	-320.5	3	6.1
3/13/04 18:30	21.8	58.721	3.43	100	48.62	23.247	8.02	-95.5	-269.1	2.9	6.1
3/13/04 19:00	21.81	58.761	6.28	100	48.67	23.285	8.03	-95.9	-329.9	2.9	6.1
3/13/04 19:30	21.77	58.677	4.58	100	48.59	23.227	8.03	-95.9	-258.8	2.9	6.1
3/13/04 20:00	21.7	58.688	5.33	100	48.45	23.132	8.03	-95.8	-288.2	3	6.1
3/13/04 20:30	21.67	58.767	5.25	100	48.54	23.19	8.03	-95.7	-238.6	3	6.1
3/13/04 21:00	21.63	58.686	5.12	101	48.49	23.157	8.03	-95.6	-212.7	2.9	6.1
3/13/04 21:30	21.63	58.718	5.13	101	48.4	23.097	8.03	-95.8	-126.1	3	6.1
3/13/04 22:00	21.61	58.657	5.54	100	48.31	23.037	8.03	-95.7	-145.1	2.9	6.1
3/13/04 22:30	21.62	58.65	5.47	100	48.34	23.056	8.03	-95.8	-65.3	2.9	6.1
3/13/04 23:00	21.62	58.689	5.5	101	48.37	23.073	8.03	-95.7	-49.1	3	6.1
3/13/04 23:30	21.63	58.635	5.88	100	48.31	23.033	8.03	-95.8	-29.3	2.9	6.1
3/14/04 0:00	21.64	58.559	5.71	100	48.23	22.98	8.03	-95.7	-6.1	3	6.2
3/14/04 0:30	21.64	58.47	5.72	101	48.25	22.994	8.02	-95.6	8.5	2.9	6.2
3/14/04 1:00	21.64	58.51	5.75	100	48.11	22.898	8.02	-95.3	11.9	2.9	6
3/14/04 1:30	21.65	58.384	5.63	100	48.15	22.926	8.02	-95.3	13.1	3.1	6.1
3/14/04 2:00	21.65	58.314	5.79	100	48.1	22.894	8.02	-95.2	14.1	3	6.1
3/14/04 2:30	21.65	58.207	5.73	100	48	22.832	8.02	-95.1	14.6	3	6.1
3/14/04 3:00	21.86	58.253	5.81	101	48.05	22.864	8.02	-95.5	15.4	3	6.1
3/14/04 3:30	21.91	58.008	5.7	100	48.03	22.85	8.03	-96	15.7	3	6.1
3/14/04 4:00	21.9	57.544	5.75	100	47.87	22.751	8.03	-95.9	16.2	2.9	6.1
3/14/04 4:30	21.88	56.868	6.14	100	47.85	22.745	8.03	-95.9	16.1	3	6
3/14/04 5:00	21.86	56.114	6.07	100	47.77	22.7	8.03	-96.1	16.6	2.9	6
3/14/04 5:30	21.85	55.477	6.23	100	47.78	22.713	8.03	-95.9	16.8	3	6.1
3/14/04 6:00	21.84	54.749	6.32	100	47.72	22.682	8.03	-95.9	17.1	3	6.1
3/14/04 6:30	21.83	52.392	6.38	100	47.68	22.685	8.03	-95.8	16.9	3	6.1
3/14/04 7:00	21.83	45.267	6.92	100	47.79	22.851	8.03	-95.8	17.6	2.9	6.1
3/14/04 7:30	21.81	45.316	6.95	100	47.59	22.709	8.03	-95.8	17.4	3	6
3/14/04 8:00	21.82	45.291	7.22	101	47.64	22.74	8.03	-95.8	17.9	2.9	6
3/14/04 8:30	21.8	45.343	6.72	100	47.74	22.81	8.03	-95.8	17.7	2.8	6
3/14/04 9:00	21.79	45.386	7.05	100	47.44	22.606	8.03	-95.9	17.6	2.9	6
3/14/04 9:30	21.79	45.37	6.72	101	47.73	22.807	8.03	-95.7	18	3	6.1
3/14/04 10:00	21.77	45.367	6.98	100	47.67	22.765	8.03	-95.6	17.9	3	5.9
3/14/04 10:30	21.75	45.384	6.74	101	47.83	22.873	8.03	-95.6	18.2	3	6.1
3/14/04 11:00	21.72	45.403	7.1	100	47.64	22.739	8.02	-95.6	18.1	2.9	6
3/14/04 11:30	21.7	45.397	7.1	101	47.94	22.949	8.02	-95.6	18.5	3	6.1
3/14/04 12:00	21.68	45.377	7.52	101	48.06	23.031	8.02	-95.6	18	2.9	6
3/14/04 12:30	21.69	45.372	7.84	100	47.84	22.882	8.02	-95.6	15.9	3	6.3
3/14/04 13:00	21.68	45.396	7.28	101	48.28	23.181	8.02	-95.5	12.7	3	6.1
3/14/04 13:30	21.67	45.382	7.2	101	48.27	23.176	8.02	-95.5	1.6	3	6.1
3/14/04 14:00	21.63	45.388	7.31	100	48.33	23.217	8.02	-95.4	-4.7	2.9	6
3/14/04 14:30	21.62	45.375	7.26	100	48.39	23.257	8.02	-95.3	-14.5	2.9	6.1

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/14/04 15:00	21.62	45.375	7.6	101	48.25	23.161	8.02	-95.3	-12.5	3	6.1
3/14/04 15:30	21.64	45.373	7.82	100	48.45	23.298	8.02	-95.3	-20.2	3	6
3/14/04 16:00	21.63	45.39	7.52	101	48.52	23.352	8.02	-95.2	-36.9	2.9	6.2
3/14/04 16:30	21.61	45.402	7.97	100	48.57	23.383	8.02	-95.2	-57.6	3.1	6
3/14/04 17:00	21.59	45.367	7.7	101	48.7	23.476	8.02	-95.1	-98.6	3	6
3/14/04 17:30	21.61	45.344	7.77	100	48.71	23.479	8.02	-95.2	-130.5	3	6.2
3/14/04 18:00	21.6	45.355	7.87	100	48.59	23.398	8.02	-95.1	-253.2	3.1	6.2
3/14/04 18:30	21.61	45.369	8.09	100	48.57	23.38	8.02	-95.2	-191.6	3	6.1
3/14/04 19:00	21.61	45.368	8.3	101	48.6	23.405	8.02	-95.2	-151.2	2.9	6.1
3/14/04 19:30	21.61	45.371	8.08	100	48.59	23.396	8.02	-95.1	-244.2	2.9	6.1
3/14/04 20:00	21.61	45.378	8.23	101	48.62	23.417	8.02	-95.1	-295.4	3	6.2
3/14/04 20:30	21.61	45.388	8.1	100	48.65	23.437	8.02	-95.2	-179.6	3	6.2
3/14/04 21:00	21.61	45.373	8.63	101	48.62	23.42	8.02	-95.1	-197.9	3	6.1
3/14/04 21:30	21.6	45.367	8.35	100	48.59	23.397	8.02	-95.2	-91.4	2.9	6.2
3/14/04 22:00	21.56	45.423	8.68	101	48.7	23.469	8.02	-95.2	-100.6	2.9	6.1
3/14/04 22:30	21.57	45.419	8.57	101	48.5	23.336	8.02	-95.2	-81.8	2.9	6.1
3/14/04 23:00	21.54	45.424	8.44	101	48.48	23.321	8.02	-95.1	-77	2.9	6.1
3/14/04 23:30	21.5	45.449	8.47	101	48.39	23.257	8.02	-95	-33.1	3	6.2
3/15/04 0:00	21.48	45.45	8.46	100	48.42	23.279	8.02	-95	-6.1	2.9	6.1
3/15/04 0:30	21.47	45.435	8.53	100	48.38	23.25	8.02	-95	7.9	3	6.2
3/15/04 1:00	21.44	45.472	8.57	101	48.34	23.222	8.02	-95.1	11.1	3	6.2
3/15/04 1:30	21.44	45.45	8.69	100	48.32	23.207	8.02	-95.1	12.3	2.9	6.1
3/15/04 2:00	21.45	45.493	8.68	100	48.27	23.172	8.02	-95	13.1	2.9	6.3
3/15/04 2:30	21.45	45.509	8.39	100	48.2	23.126	8.01	-94.9	13.8	2.9	6.2
3/15/04 3:00	21.47	45.522	8.58	100	48.15	23.092	8.01	-94.5	14.4	2.9	6.2
3/15/04 3:30	21.47	45.542	8.79	100	48.06	23.03	8.01	-94.5	14.9	3.1	6.1
3/15/04 4:00	21.46	45.563	8.5	100	48.12	23.071	8.01	-94.4	15	2.9	6.2
3/15/04 4:30	21.46	46.556	8.6	100	47.99	22.966	8	-94.2	15.4	3	5.9
3/15/04 5:00	21.47	45.607	8.46	100	47.99	22.981	8	-93.9	15.8	3	6.2
3/15/04 5:30	21.48	45.605	8.73	101	48	22.984	7.99	-93.8	16	2.9	6.1
3/15/04 6:00	21.47	45.655	8.37	100	47.77	22.828	7.99	-93.6	16.2	2.9	6.1
3/15/04 6:30	21.49	45.653	8.39	100	47.75	22.814	7.98	-93	16.5	2.9	6.1
3/15/04 7:00	21.51	45.709	8.17	100	47.67	22.761	7.97	-92.7	16.7	3	6.1
3/15/04 7:30	21.55	45.705	8.26	100	47.61	22.719	7.98	-93.2	16.8	3.1	6.1
3/15/04 8:00	21.58	45.708	8.72	100	47.55	22.675	8.01	-94.6	17	2.9	6.1
3/15/04 8:30	21.58	45.718	8.68	101	47.63	22.729	8.01	-94.7	17.1	3	6.1
3/15/04 9:00	21.57	45.734	8.92	100	47.5	22.641	8.01	-94.9	17.1	2.9	6.1
3/15/04 9:30	21.56	45.737	8.8	100	47.48	22.628	8.01	-94.9	17.3	3	6.1
3/15/04 10:00	21.58	45.74	8.87	101	47.67	22.756	8.01	-95	17.4	3	6
3/15/04 10:30	21.57	45.745	9	100	47.69	22.772	8.01	-94.9	17.5	3	6.4
3/15/04 11:00	21.56	45.768	8.95	100	47.62	22.725	8.01	-94.9	17.6	2.9	6.2
3/15/04 11:30	21.56	45.764	9.01	100	47.75	22.814	8.01	-94.8	17.6	2.9	6.1
3/15/04 12:00	21.55	45.764	9.52	101	47.9	22.915	8.01	-94.8	17.7	3	6.1
3/15/04 12:30	21.55	45.751	8.19	101	47.87	22.896	8.01	-94.8	16.9	3	6.2
3/15/04 13:00	21.56	45.755	8.93	101	48	22.985	8.01	-94.7	11.6	3	6.1
3/15/04 13:30	21.57	45.748	8.89	101	47.93	22.938	8.01	-94.7	0.2	2.9	6.2
3/15/04 14:00	21.59	45.731	8.91	100	48.08	23.043	8.01	-94.8	-8.6	3	6.2
3/15/04 14:30	21.61	45.734	8.95	100	48.26	23.167	8.01	-94.8	-17.1	2.9	6.1
3/15/04 15:00	21.6	45.704	8.97	101	48.32	23.208	8.01	-94.7	-13.4	3	6.2
3/15/04 15:30	21.59	45.685	9.09	100	48.36	23.235	8.01	-94.8	-31.7	2.9	6.1
3/15/04 16:00	21.59	45.664	9.13	100	48.48	23.318	8.01	-94.7	-0.6	2.9	6.1
3/15/04 16:30	21.59	45.663	9.21	100	48.4	23.262	8.01	-94.8	-0.1	2.9	5.9
3/15/04 17:00	21.58	45.673	8.93	100	48.51	23.34	8.01	-94.8	-11.5	2.9	6.1
3/15/04 17:30	21.56	45.658	8.71	100	48.52	23.345	8.01	-94.6	-33.1	2.9	6.2
3/15/04 18:00	21.55	45.676	9.01	100	48.63	23.42	8.01	-94.6	-48.6	3	6.1
3/15/04 18:30	21.53	45.649	8.99	101	48.53	23.354	8.01	-94.6	-32.9	3	6.1
3/15/04 19:00	21.52	45.646	8.92	101	48.66	23.44	8.01	-94.6	-25.7	3	6.1
3/15/04 19:30	21.54	45.654	8.96	100	48.54	23.361	8.01	-94.7	-49.3	2.9	6.1
3/15/04 20:00	21.53	45.671	9.06	101	48.52	23.347	8.01	-94.7	-88.3	3	6.1
3/15/04 20:30	21.49	45.689	9.15	100	48.65	23.432	8.01	-94.5	-60.7	3	6.1
3/15/04 21:00	21.47	45.685	9.11	100	48.58	23.389	8.01	-94.7	-20.6	3.1	6.2
3/15/04 21:30	21.45	45.683	9.09	100	48.56	23.374	8.01	-94.6	-46.6	2.9	6.2
3/15/04 22:00	21.44	45.684	9.22	100	48.57	23.379	8.01	-94.7	-55.9	3	6.1
3/15/04 22:30	21.45	45.67	9.27	101	48.47	23.313	8.01	-94.6	-50.2	3.1	6.2
3/15/04 23:00	21.44	45.665	9.22	100	48.54	23.36	8.01	-94.7	-42.4	3	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/15/04 23:30	21.44	45.664	9.28	100	48.47	23.309	8.01	-94.7	-12.7	3	6.2
3/16/04 0:00	21.45	45.68	9.35	101	48.57	23.376	8.01	-94.7	-4.7	2.9	6.1
3/16/04 0:30	21.47	45.692	9.79	100	48.45	23.298	8.01	-94.8	9.3	3	6.2
3/16/04 1:00	21.46	45.689	9.29	100	48.47	23.312	8.01	-94.8	11.8	3	6.2
3/16/04 1:30	21.45	45.718	9.52	100	48.3	23.192	8.01	-94.9	13.1	2.9	6.1
3/16/04 2:00	21.45	45.709	9.57	100	48.5	23.333	8.01	-94.8	13.7	2.9	6.1
3/16/04 2:30	21.44	45.721	9.53	101	48.32	23.208	8.01	-94.7	14.3	3	6.1
3/16/04 3:00	21.46	45.738	9.5	101	48.23	23.146	8.01	-94.8	14.8	3	6.1
3/16/04 3:30	21.51	45.75	9.15	100	48.4	23.261	8.01	-94.9	15	3.1	6.2
3/16/04 4:00	21.48	45.769	9.35	100	48.11	23.061	8.01	-94.8	15.4	2.9	6.1
3/16/04 4:30	21.41	45.805	9.27	100	48.15	23.086	8.01	-94.6	15.7	3.1	6.1
3/16/04 5:00	21.41	45.794	9.37	100	47.99	22.977	8.01	-94.6	15.8	2.9	6.1
3/16/04 5:30	21.37	45.8	9.19	101	48.01	22.991	8.01	-94.5	15.9	3	6.2
3/16/04 6:00	21.31	45.798	9.15	100	48.01	22.992	8.01	-94.5	16.2	3	6.1
3/16/04 6:30	21.33	45.813	9.32	101	47.84	22.87	8.01	-94.5	16.5	3	6.2
3/16/04 7:00	21.31	45.837	9.03	100	47.82	22.855	8	-94.3	16.6	3.1	6.1
3/16/04 7:30	21.32	45.856	8.87	101	47.77	22.822	8	-94.4	16.7	2.9	6.2
3/16/04 8:00	21.38	45.839	8.77	101	47.67	22.758	8	-94.2	17	3	6.2
3/16/04 8:30	21.49	45.862	8.69	100	47.64	22.735	8.01	-94.5	17	3	6.1
3/16/04 9:00	21.52	45.891	8.65	100	47.66	22.745	8.01	-94.7	16.9	3	6.2
3/16/04 9:30	21.58	45.894	8.54	100	47.61	22.712	8.01	-94.7	17.2	3	6.1
3/16/04 10:00	21.55	45.948	8.56	101	47.57	22.684	8.01	-94.8	17.2	3.1	6.2
3/16/04 10:30	21.5	45.952	8.18	100	47.64	22.735	8.01	-94.6	17.3	3	6.2
3/16/04 11:00	21.47	45.958	8.47	100	47.57	22.682	8.01	-94.4	17.3	3	6.1
3/16/04 11:30	21.46	45.968	8.2	101	47.63	22.729	8.01	-94.4	17.4	3.1	6.1
3/16/04 12:00	21.47	45.97	8	100	47.63	22.724	8.01	-94.5	17.3	3.1	6.1
3/16/04 12:30	21.45	45.965	7.91	101	47.7	22.771	8.01	-94.4	14.5	3	6.2
3/16/04 13:00	21.43	45.961	7.86	100	47.79	22.834	8	-94.4	-2.9	3	6.3
3/16/04 13:30	21.41	45.951	7.64	100	47.67	22.755	8	-94.2	-38.9	2.9	6.2
3/16/04 14:00	21.4	45.962	7.39	100	47.86	22.885	8	-94.1	-82.7	3	6.2
3/16/04 14:30	21.42	45.957	7.2	100	47.98	22.965	8	-94.1	-98	3	6.2
3/16/04 15:00	21.45	45.948	7.1	100	48.01	22.99	8	-94.2	-206.2	2.9	6.2
3/16/04 15:30	21.45	45.948	7.1	100	48.07	23.027	8	-94.2	-211.6	2.8	6.2
3/16/04 16:00	21.43	45.92	7.17	101	48.19	23.114	8	-94.2	-250.8	3.1	6.3
3/16/04 16:30	21.43	45.891	6.76	101	48.19	23.114	8	-94.2	-170.5	3	6.2
3/16/04 17:00	21.44	45.909	7.17	100	48.33	23.213	8	-94.2	-292.6	2.9	6.2
3/16/04 17:30	21.44	45.881	7.11	101	48.45	23.293	8	-94.3	-198.8	2.9	6
3/16/04 18:00	21.45	45.875	7.36	100	48.5	23.331	8.01	-94.4	-105.3	2.9	6.2
3/16/04 18:30	21.47	45.868	7.5	100	48.5	23.328	8	-94.3	-155.4	3.1	6.1
3/16/04 19:00	21.48	45.866	7.73	100	48.55	23.363	8.01	-94.5	-130	2.9	6.1
3/16/04 19:30	21.51	45.868	7.65	100	48.56	23.371	8	-94.4	-150.1	3	6.2
3/16/04 20:00	21.54	45.847	7.73	100	48.56	23.368	8	-94.4	-127.1	3	6.2
3/16/04 20:30	21.54	45.866	7.73	100	48.53	23.346	8	-94.4	-195.9	3.1	6.2
3/16/04 21:00	21.52	45.869	7.62	100	48.61	23.406	8	-94.3	-234.6	3	6.1
3/16/04 21:30	21.54	45.855	7.75	101	48.56	23.368	8	-94.4	-201	3	6.2
3/16/04 22:00	21.55	45.859	7.99	101	48.5	23.328	8.01	-94.5	-150.4	3.1	6.3
3/16/04 22:30	21.54	45.885	7.85	101	48.48	23.316	8.01	-94.4	-117.5	2.9	6.2
3/16/04 23:00	21.54	45.869	7.97	100	48.51	23.333	8.01	-94.5	-77	3	6.2
3/16/04 23:30	21.52	45.885	8.01	101	48.51	23.332	8.01	-94.5	-43.5	3	6.2
3/17/04 0:00	21.5	45.876	8.16	100	48.55	23.365	8	-94.4	-14.8	3.2	6.1
3/17/04 0:30	21.5	47.31	8.15	100	48.49	23.306	8.01	-94.6	4	3	6.2
3/17/04 1:00	21.5	45.89	8.06	101	48.49	23.321	8.01	-94.5	9	3.1	6.1
3/17/04 1:30	21.51	45.888	7.61	101	48.5	23.327	8.01	-94.6	10.5	2.9	6.2
3/17/04 2:00	21.52	45.887	8.11	101	48.35	23.225	8.01	-94.6	11.6	3	6.1
3/17/04 2:30	21.52	45.886	7.96	100	48.44	23.287	8.01	-94.6	12.4	3	6.4
3/17/04 3:00	21.54	45.891	7.76	100	48.43	23.279	8.01	-94.6	13	2.9	6.1
3/17/04 3:30	21.55	45.88	7.76	101	48.47	23.305	8.01	-94.6	13.5	3	6.2
3/17/04 4:00	21.57	45.876	7.6	101	48.33	23.21	8.01	-94.7	14	2.9	6.2
3/17/04 4:30	21.57	45.892	7.48	101	48.29	23.184	8.01	-94.7	14.3	3.1	6.2
3/17/04 5:00	21.55	45.91	7.03	100	48.23	23.142	8.01	-94.6	14.6	2.9	6.3
3/17/04 5:30	21.53	45.908	7.04	100	48.25	23.152	8.01	-94.5	14.9	3	6.2
3/17/04 6:00	21.53	45.932	7.02	100	48.19	23.114	8.01	-94.5	15	2.9	6.2
3/17/04 6:30	21.52	45.941	6.76	101	48.14	23.078	8	-94.4	15.3	2.9	6.2
3/17/04 7:00	21.49	45.954	6.38	100	48.05	23.017	8	-94.3	15.5	3	6.2
3/17/04 7:30	21.47	45.983	6.24	101	47.98	22.968	8	-94.2	15.4	3	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/17/04 8:00	21.46	45.966	6.2	101	47.99	22.975	8	-94.2	15.6	2.9	6.2
3/17/04 8:30	21.45	45.984	6.2	101	47.9	22.916	8	-94.2	15.7	3	6.2
3/17/04 9:00	21.43	46.013	6.12	100	47.84	22.872	8	-94.2	15.8	3	6.1
3/17/04 9:30	21.43	46.007	6.02	100	47.83	22.866	8	-94.1	16	3	6.2
3/17/04 10:00	21.43	46.012	5.52	101	47.73	22.796	8	-94	16	3	6.2
3/17/04 10:30	21.5	46.042	5.54	101	47.75	22.81	8	-94.1	16.1	2.9	6.1
3/17/04 11:00	21.54	46.059	5.75	100	47.71	22.781	8	-94.4	16.3	3.1	6.2
3/17/04 11:30	21.54	46.068	5.72	101	47.73	22.797	8	-94.3	16.4	2.9	6.2
3/17/04 12:00	21.58	46.054	5.65	101	47.72	22.788	8	-94.2	16.5	3	6.2
3/17/04 12:30	21.55	46.079	5.81	101	47.71	22.777	8	-94.4	12.4	3	6.1
3/17/04 13:00	21.54	46.091	5.68	101	47.76	22.817	8	-94	-12	3.1	6.2
3/17/04 13:30	21.51	46.091	5.74	100	47.79	22.836	8	-94	-44.7	3.1	6.1
3/17/04 14:00	21.53	46.1	5.47	101	47.82	22.858	8	-94	-80.8	2.9	6.1
3/17/04 14:30	21.55	46.096	5.05	100	47.89	22.908	8	-94.1	-118	3	6.1
3/17/04 15:00	21.54	46.084	5.57	101	47.96	22.951	8	-94.2	-165.3	2.9	6.2
3/17/04 15:30	21.55	46.07	5.61	101	48	22.983	8	-94.2	-169	3	6.2
3/17/04 16:00	21.54	46.06	5.86	100	48.07	23.028	8	-94.2	-244	3	6.2
3/17/04 16:30	21.55	46.051	6.6	101	48.15	23.085	8	-94.2	-267.3	3	6.1
3/17/04 17:00	21.55	46.068	6.12	100	48.22	23.13	8	-94.2	-284.6	2.9	6.1
3/17/04 17:30	21.56	46.041	6.39	100	48.38	23.247	8	-94.2	-311.3	3	6
3/17/04 18:00	21.56	46.033	6.74	101	48.44	23.283	8	-94.1	-326.5	2.9	6.1
3/17/04 18:30	21.53	46.044	6.38	100	48.34	23.216	8	-93.9	-340.7	3	6.4
3/17/04 19:00	21.53	46.039	7.04	100	48.4	23.256	8	-93.9	-346.4	3	6.2
3/17/04 19:30	21.51	46.057	7.28	100	48.47	23.307	8	-94	-323.3	3	6.2
3/17/04 20:00	21.51	46.051	7.61	100	48.38	23.245	8	-94.2	-324.3	3	6.1
3/17/04 20:30	21.53	46.037	7.93	101	48.51	23.333	8	-94.3	-290.4	3	6.2
3/17/04 21:00	21.54	46.03	8.69	101	48.46	23.298	8.01	-94.5	-276.2	3	6.3
3/17/04 21:30	21.56	46.014	8.22	100	48.53	23.345	8.01	-94.5	-216.2	3	6.2
3/17/04 22:00	21.57	46.023	8.34	100	48.5	23.327	8.01	-94.5	-178.2	2.9	6.2
3/17/04 22:30	21.59	46.021	8.7	100	48.5	23.33	8.01	-94.6	-131.6	3.1	6.1
3/17/04 23:00	21.6	46.023	8.81	101	48.45	23.293	8.01	-94.6	-87.1	3.1	6.4
3/17/04 23:30	21.62	46.036	8.98	100	48.48	23.315	8.01	-94.6	-50.2	3	6.1
3/18/04 0:00	21.65	46.016	9.13	101	48.48	23.314	8.01	-94.6	-18.2	3	6.2
3/18/04 0:30	21.67	46.011	9.27	100	48.44	23.285	8.01	-94.6	3.2	2.9	6
3/18/04 1:00	21.69	46.04	9.16	100	48.47	23.307	8.01	-94.6	8.6	3	6.1
3/18/04 1:30	21.69	46.052	9.41	100	48.45	23.293	8.01	-94.6	10.2	2.9	6.2
3/18/04 2:00	21.68	46.05	9.38	100	48.43	23.28	8.01	-94.6	11.2	3.1	6.1
3/18/04 2:30	21.64	46.046	9.38	100	48.43	23.278	8.01	-94.5	12	3.1	6.2
3/18/04 3:00	21.61	46.067	9.44	101	48.45	23.292	8.01	-94.6	13	3	6.1
3/18/04 3:30	21.6	46.068	9.26	101	48.44	23.282	8.01	-94.5	13.3	2.9	6.1
3/18/04 4:00	21.61	46.08	8.8	100	48.44	23.285	8.01	-94.5	13.8	3	6.2
3/18/04 4:30	21.58	46.085	8.7	100	48.42	23.27	8.01	-94.5	14.1	3	6.1
3/18/04 5:00	21.59	46.094	8.29	100	48.39	23.25	8.01	-94.5	14.3	3	6.1
3/18/04 5:30	21.59	46.085	8.4	100	48.39	23.249	8.01	-94.6	14.7	3	6.1
3/18/04 6:00	21.59	46.103	7.49	101	48.28	23.174	8.01	-94.5	14.9	3	6.1
3/18/04 6:30	21.57	46.092	7.95	101	48.31	23.198	8	-94.4	15.2	3	6.1
3/18/04 7:00	21.54	46.09	7.69	100	48.18	23.106	8	-94.4	15.5	3	6.1
3/18/04 7:30	21.52	46.099	7.59	100	48.16	23.092	8	-94.4	15.4	3.1	6.2
3/18/04 8:00	21.49	46.138	6.75	100	48.16	23.088	8	-94.2	15.6	3	6.3
3/18/04 8:30	21.47	46.124	6.96	100	48.01	22.985	8	-94.2	15.8	2.9	6.2
3/18/04 9:00	21.44	46.143	6.97	101	48.05	23.016	8	-94.2	16	3	6.1
3/18/04 9:30	21.45	46.117	6.52	101	48.02	22.994	8	-94.2	16.1	3.1	6.1
3/18/04 10:00	21.43	46.139	6.66	101	47.93	22.93	8	-94.2	16.1	3	6.2
3/18/04 10:30	21.45	46.143	6.55	100	47.93	22.931	8	-94.4	16.4	3	6.2
3/18/04 11:00	21.44	46.179	6.58	100	47.87	22.889	8	-94.2	16.3	3	6.1
3/18/04 11:30	21.46	46.157	6.34	100	47.84	22.866	8	-94.3	16.4	3	6.2
3/18/04 12:00	21.48	46.162	6.3	100	47.81	22.847	8	-94.3	16.5	3	6.2
3/18/04 12:30	21.49	46.199	6.38	101	47.78	22.824	8	-94.3	12	2.9	6.2
3/18/04 13:00	21.5	46.204	6.01	100	47.77	22.822	8	-94.1	-8.9	3	6.2
3/18/04 13:30	21.53	46.174	6.04	101	47.77	22.819	8	-94.2	-54	3	6.1
3/18/04 14:00	21.54	46.217	5.7	100	47.88	22.896	8	-94.1	-64	2.9	6.1
3/18/04 14:30	21.54	46.186	5.59	100	47.86	22.88	8	-94.3	-168.7	3.1	6.2
3/18/04 15:00	21.56	46.159	5.84	100	47.95	22.945	8	-94.4	-181.2	3.1	6.2
3/18/04 15:30	21.55	46.194	5.96	100	47.99	22.969	8	-94.4	-229.9	3	6.1
3/18/04 16:00	21.56	46.179	6.14	101	48.04	23.009	8	-94.4	-222	3.1	6.1

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/18/04 16:30	21.58	46.139	6.59	100	48.13	23.07	8.01	-94.5	-304.5	2.9	6.2
3/18/04 17:00	21.58	46.142	6.57	101	48.21	23.126	8.01	-94.5	-330.2	2.9	6.2
3/18/04 17:30	21.59	46.113	6.63	100	48.22	23.134	8.01	-94.5	-335.4	3	6.2
3/18/04 18:00	21.6	46.114	7.14	101	48.3	23.185	8.01	-94.5	-365	3.1	6.2
3/18/04 18:30	21.62	46.107	7.25	100	48.36	23.231	8.01	-94.7	-366.8	3.1	6.2
3/18/04 19:00	21.63	46.102	7.84	100	48.38	23.245	8.01	-94.6	-356.4	3.1	6.1
3/18/04 19:30	21.63	46.102	7.96	101	48.4	23.256	8.01	-94.5	-354.2	3	6
3/18/04 20:00	21.65	46.143	8.17	100	48.44	23.282	8.01	-94.7	-323.8	3.1	6.1
3/18/04 20:30	21.67	46.11	8.6	101	48.47	23.307	8.01	-94.6	-325.4	2.9	6.2
3/18/04 21:00	21.67	46.074	8.73	100	48.53	23.345	8.01	-94.6	-268.1	3	6.2
3/18/04 21:30	21.67	46.072	9.27	100	48.48	23.31	8.01	-94.8	-206.1	3	6.2
3/18/04 22:00	21.66	46.111	9.32	100	48.46	23.3	8.01	-94.7	-179.9	2.9	6.2
3/18/04 22:30	21.63	46.047	9.48	100	48.51	23.335	8.01	-94.5	-139.3	2.9	6.2
3/18/04 23:00	21.63	45.805	9.55	101	48.48	23.315	8.01	-94.5	-94.1	3.1	6.1
3/18/04 23:30	21.62	45.836	9.77	100	48.51	23.338	8.01	-94.4	-53	3	6.1
3/19/04 0:00	21.62	45.827	9.96	100	48.42	23.277	8	-94.3	-19.8	3.1	6.2
3/19/04 0:30	21.6	45.821	10.08	100	48.43	23.284	8	-94.4	2.5	2.9	6.3
3/19/04 1:00	21.59	45.804	10.28	100	48.46	23.302	8	-94.2	8.5	3	6.2
3/19/04 1:30	21.6	45.799	10.29	101	48.47	23.312	8	-94.2	10.1	3	6.2
3/19/04 2:00	21.59	45.799	10.46	100	48.45	23.294	8	-94.1	11.4	3.1	6.2
3/19/04 2:30	21.58	45.811	10.5	101	48.46	23.305	8	-94.2	12.1	2.9	6.2
3/19/04 3:00	21.57	45.843	10.46	100	48.43	23.28	8	-94.2	12.7	3	6.1
3/19/04 3:30	21.57	45.823	10.47	101	48.48	23.313	8	-94.3	13.3	3	6.2
3/19/04 4:00	21.57	45.862	10.44	100	48.41	23.267	8	-94.4	13.7	3	6.2
3/19/04 4:30	21.57	45.885	10.56	101	48.48	23.313	8	-94.4	14.2	3	6.2
3/19/04 5:00	21.57	45.876	10.25	100	48.47	23.309	8	-94.4	14.4	2.9	6.2
3/19/04 5:30	21.56	45.828	10.21	101	48.42	23.275	8	-94.4	14.8	3	6.3
3/19/04 6:00	21.53	45.864	9.49	101	48.46	23.303	8.01	-94.4	15.1	2.9	6.3
3/19/04 6:30	21.52	45.838	9.7	101	48.41	23.27	8.01	-94.5	15.2	3	6.3
3/19/04 7:00	21.48	45.853	9.53	101	48.4	23.258	8.01	-94.5	15.3	3	6.2
3/19/04 7:30	21.4	45.891	9.57	100	48.35	23.226	8.01	-94.5	15.5	3	6.2
3/19/04 8:00	21.36	45.886	9.26	100	48.28	23.173	8.01	-94.5	15.6	3	6.4
3/19/04 8:30	21.33	45.877	9.28	100	48.27	23.166	8.01	-94.4	15.7	3	6.1
3/19/04 9:00	21.31	45.874	9.11	100	48.24	23.147	8.01	-94.4	15.7	3	6.2
3/19/04 9:30	21.29	45.89	10.16	100	48.2	23.119	8.01	-94.4	15.9	3.1	6.1
3/19/04 10:00	21.28	45.899	9.2	101	48.14	23.076	8	-94.4	15.9	3	6.2
3/19/04 10:30	21.28	45.915	8.7	100	48.07	23.03	8	-94.3	15.9	3	6.3
3/19/04 11:00	21.26	45.925	8.66	100	48.02	22.992	8	-94.1	15.9	2.9	6.2
3/19/04 11:30	21.25	45.89	8.72	100	48.04	23.005	8	-94	15.9	3	6.2
3/19/04 12:00	21.26	45.912	8.85	100	47.95	22.948	8	-93.9	15.9	3	6.2
3/19/04 12:30	21.28	45.902	8.78	100	47.93	22.936	8	-93.8	10.8	3	6.4
3/19/04 13:00	21.3	45.934	8.76	100	47.93	22.934	7.99	-93.8	-15.2	2.9	6.2
3/19/04 13:30	21.33	45.912	8.86	100	47.92	22.929	7.99	-93.8	-49.4	2.9	6.1
3/19/04 14:00	21.38	45.929	8.81	100	47.94	22.941	8	-93.9	-93	3	6.2
3/19/04 14:30	21.38	45.944	8.9	100	47.95	22.944	7.99	-93.7	-79.2	2.9	6.2
3/19/04 15:00	21.4	45.959	9.01	100	47.99	22.976	7.99	-93.6	-172.8	2.9	6.2
3/19/04 15:30	21.44	45.943	9.01	101	48.03	23.003	8	-94.1	-216.9	3	6.1
3/19/04 16:00	21.45	45.946	9.03	100	48.05	23.018	8	-94.4	-281.4	2.9	6.2
3/19/04 16:30	21.47	45.925	9.06	100	48.09	23.047	8	-94.2	-337.8	3	6.2
3/19/04 17:00	21.51	45.904	9.24	101	48.13	23.071	8.01	-94.5	-336.2	2.8	6.2
3/19/04 17:30	21.53	45.873	9.4	100	48.18	23.11	8.01	-94.5	-358	3	6.1
3/19/04 18:00	21.54	45.916	9.75	100	48.25	23.156	8.01	-94.7	-371.3	3.1	6.3
3/19/04 18:30	21.56	45.89	10.06	101	48.29	23.183	8.01	-94.7	-401.8	3	6.2
3/19/04 19:00	21.59	45.867	10.18	100	48.32	23.203	8.01	-94.8	-348	3	6.2
3/19/04 19:30	21.61	45.867	10.4	100	48.34	23.218	8.01	-94.8	-366.4	3	6.1
3/19/04 20:00	21.64	45.871	10.55	100	48.36	23.232	8.02	-95.2	-364.5	3	6.2
3/19/04 20:30	21.67	45.861	10.7	100	48.37	23.237	8.02	-95.1	-304.3	2.9	6.1
3/19/04 21:00	21.67	45.843	10.85	100	48.42	23.276	8.02	-95.2	-270.9	2.9	6.2
3/19/04 21:30	21.7	45.837	10.88	100	48.38	23.247	8.01	-94.7	-244.3	3	6.2
3/19/04 22:00	21.69	45.84	10.97	100	48.44	23.29	8.01	-94.7	-174.1	3	6.1
3/19/04 22:30	21.59	45.84	11	101	48.38	23.243	8	-94.1	-83.7	3	6.2
3/19/04 23:00	21.58	45.833	11.05	100	48.38	23.244	8	-94.2	-95.6	3	6.1
3/19/04 23:30	21.58	45.83	11.12	100	48.38	23.245	8	-94.1	-56.6	3.1	6.2
3/20/04 0:00	21.57	45.837	11.19	101	48.41	23.266	8	-94	-23.5	2.9	6.2
3/20/04 0:30	21.56	45.845	11.27	100	48.39	23.251	8	-93.9	0.8	3	6.1

Appendix 5
Water Quality Data

DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
3/20/04 1:00	21.57	45.855	11.27	100	48.38	23.244	7.99	-93.9	6.9	3	6.2
3/20/04 1:30	21.57	45.84	11.29	100	48.39	23.252	8	-93.9	8.6	2.9	6.3
3/20/04 2:00	21.59	45.851	11.22	100	48.4	23.261	7.99	-93.4	9.9	3	6.2
3/20/04 2:30	21.6	45.849	11.2	100	48.39	23.251	7.99	-93.5	10.7	3.1	6.1
3/20/04 3:00	21.6	45.867	11.25	100	48.44	23.287	7.99	-93.6	11.3	3	6.1
3/20/04 3:30	21.59	45.856	11.22	101	48.44	23.284	7.99	-93.4	12	3	6.2
3/20/04 4:00	21.58	45.863	11.24	100	48.44	23.288	7.99	-93.7	12.3	3	6.3
3/20/04 4:30	21.58	45.847	11.2	100	48.47	23.309	7.99	-93.6	12.7	2.9	6.2
3/20/04 5:00	21.58	45.845	11.18	101	48.51	23.334	7.99	-93.6	12.9	2.9	6.2
3/20/04 5:30	21.59	45.833	11.17	100	48.52	23.346	7.99	-93.7	13.1	3.1	6.2
3/20/04 6:00	21.56	45.867	11.12	101	48.53	23.35	7.99	-93.7	13.2	3	6.2
3/20/04 6:30	21.53	45.847	11.09	100	48.52	23.343	7.99	-93.7	13.3	2.8	6.2
3/20/04 7:00	21.48	45.858	11.02	101	48.5	23.328	7.99	-93.6	13.4	3	6.3
3/20/04 7:30	21.42	45.863	11.02	100	48.53	23.352	7.99	-93.8	13.5	3	6.3
3/20/04 8:00	21.4	45.863	10.97	100	48.49	23.322	7.99	-93.8	13.5	3	6.2
3/20/04 8:30	21.37	45.863	10.92	101	48.48	23.31	7.99	-93.7	13.5	3.1	6.1
3/20/04 9:00	21.31	45.828	10.91	101	48.46	23.297	7.99	-93.6	13.6	3	6.5
3/20/04 9:30	21.28	45.824	10.87	100	48.4	23.261	7.99	-93.4	13.8	3	6.1
3/20/04 10:00	21.26	45.843	10.85	100	48.39	23.248	7.99	-93.5	13.7	3	6.2
3/20/04 10:30	21.23	45.833	10.8	101	48.29	23.185	7.99	-93.4	13.7	3	6.2
3/20/04 11:00	21.23	45.84	10.79	100	48.29	23.184	7.99	-93.4	13.7	3	6.2
3/20/04 11:30	21.24	45.836	10.75	101	48.28	23.173	7.99	-93.3	13.8	3	6.2
3/20/04 12:00	21.26	45.806	10.73	101	48.19	23.111	7.99	-93.4	13.6	3.1	6.2
3/20/04 12:30	21.26	45.838	10.67	100	48.2	23.121	7.99	-93.4	7.1	3	6.2
3/20/04 13:00	21.26	45.837	10.63	100	48.19	23.115	7.99	-93.3	-8.5	3	6.3
3/20/04 13:30	21.28	45.824	10.56	100	48.14	23.08	7.99	-93.3	-41	2.9	6.1
3/20/04 14:00	21.28	45.812	10.47	100	48.16	23.092	7.99	-93.3	-70.7	3	6.1
3/20/04 14:30	21.31	45.807	10.41	100	48.15	23.087	7.99	-93.3	-155.3	3.1	6.1
3/20/04 15:00	21.32	45.805	10.36	101	48.13	23.07	7.99	-93.4	-197.1	3	6.2
3/20/04 15:30	21.34	45.804	10.33	100	48.13	23.075	7.99	-93.5	-245.9	3.1	6.2
3/20/04 16:00	21.36	45.804	10.22	101	48.14	23.081	7.99	-93.6	-263.6	3	6.2
3/20/04 16:30	21.37	45.785	10.16	100	48.16	23.094	7.99	-93.7	-312.4	3	6.2
3/20/04 17:00	21.39	45.769	10.02	100	48.24	23.148	7.99	-93.6	-344.2	3.1	6.1
3/20/04 17:30	21.41	45.766	9.92	100	48.23	23.139	8	-93.9	-389.5	3.1	6.1
3/20/04 18:00	21.44	45.766	9.76	100	48.22	23.139	8	-94.1	-358.4	3	6.1
3/20/04 18:30	21.44	45.776	9.6	101	48.29	23.184	8	-94.4	-339.7	3.1	6.1
3/20/04 19:00	21.47	45.766	9.43	100	48.3	23.193	8	-94.1	-315.8	3	6.2
3/20/04 19:30	21.49	45.733	9.24	100	48.36	23.23	8	-94.4	-346.8	3	6.2
3/20/04 20:00	21.5	45.772	9.19	100	48.3	23.191	8.02	-95	-439.4	3	6.2
3/20/04 20:30	21.53	45.774	9.02	100	48.29	23.183	8.02	-95.3	-330	3	6.2
3/20/04 21:00	21.6	45.773	8.82	100	48.33	23.212	8.02	-95.1	-291.3	3	6.2
3/20/04 21:30	21.66	45.741	8.43	99	48.27	23.169	8.01	-94.8	-260	3.1	6.2
3/20/04 22:00	21.73	45.723	8.12	99	48.34	23.22	8	-94.2	-207.7	2.9	6.2
3/20/04 22:30	21.69	45.75	7.94	97	48.28	23.176	7.99	-93.8	-160.4	3	6.1
3/20/04 23:00	21.65	45.771	7.79	97	48.26	23.166	7.99	-93.5	-99.4	3	6.2
3/20/04 23:30	21.64	45.779	7.57	95	48.29	23.186	7.99	-93.3	-65.1	3	6.3
3/21/04 0:00	21.64	45.748	7.27	94	48.27	23.17	7.98	-92.9	-30	3.1	6.2
3/21/04 0:30	21.63	45.734	7.12	93	48.21	23.128	7.98	-92.8	-5.4	3.1	6.2
3/21/04 1:00	21.62	45.739	7.09	92	48.24	23.148	7.98	-92.8	1.6	3	6.2
3/21/04 1:30	21.6	45.737	7.02	92	48.23	23.143	7.98	-92.8	3.4	3	6.2
3/21/04 2:00	21.6	45.769	6.82	92	48.14	23.081	7.97	-92.7	4.5	3	6.1
3/21/04 2:30	21.59	45.752	6.67	90	48.19	23.115	7.97	-92.4	5.5	3.1	6.2
3/21/04 3:00	21.6	45.735	6.49	90	48.36	23.236	7.97	-92.3	6.3	3	6.2
3/21/04 3:30	21.6	45.748	6.37	88	48.19	23.118	7.96	-92.1	6.8	3.1	6.1
3/21/04 4:00	21.6	45.739	6.2	88	48.17	23.103	7.96	-92	7.2	3	6
3/21/04 4:30	21.61	45.762	6.12	88	48.3	23.195	7.96	-91.8	7.6	3	6.1
3/21/04 5:00	21.57	45.778	6.08	88	48.29	23.182	7.97	-92.3	7.8	3.1	6.2
3/21/04 5:30	21.58	45.759	5.83	87	48.34	23.219	7.96	-91.8	8.3	3	6.2
3/21/04 6:00	21.52	45.771	5.83	86	48.3	23.19	7.96	-92	8.3	3	6.2
3/21/04 6:30	21.47	45.788	5.76	86	48.44	23.286	7.96	-92.1	8.5	3.2	6.2
3/21/04 7:00	21.45	45.773	5.75	86	48.42	23.272	7.96	-92	8.7	3.1	6.1
3/21/04 7:30	21.43	45.775	5.75	86	48.29	23.187	7.97	-92.2	8.9	3	6.2
3/21/04 8:00	21.4	45.788	5.68	84	48.43	23.278	7.97	-92.3	8.8	3.1	6.1
3/21/04 8:30	21.39	45.789	5.69	84	48.34	23.22	7.97	-92.4	9	3	6.2
3/21/04 9:00	21.36	45.815	5.66	84	48.42	23.272	7.97	-92.4	9.2	3	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/21/04 9:30	21.36	45.772	5.54	84	48.47	23.308	7.97	-92.4	9.2	3	6.2
3/21/04 10:00	21.35	45.779	5.55	84	48.37	23.238	7.97	-92.5	9.2	3	6.1
3/21/04 10:30	21.32	45.787	5.54	83	48.33	23.212	7.97	-92.4	9.2	3.1	6.3
3/21/04 11:00	21.3	45.79	5.52	84	48.24	23.147	7.97	-92.5	9.1	3	6.2
3/21/04 11:30	21.26	45.773	5.48	83	48.29	23.187	7.97	-92.5	9.2	3.1	6.1
3/21/04 12:00	21.22	45.781	5.42	81	48.23	23.143	7.97	-92.3	9	3	6.3
3/21/04 12:30	21.2	45.799	5.38	83	48.27	23.171	7.97	-92.2	1.5	3	6.2
3/21/04 13:00	21.21	45.796	5.36	81	48.24	23.146	7.97	-92.2	-25.5	3.1	6.2
3/21/04 13:30	21.23	45.795	5.4	81	48.3	23.193	7.97	-92.2	-79.6	3.1	6.2
3/21/04 14:00	21.25	45.804	5.43	80	48.24	23.147	7.97	-92.4	-78.4	3.1	6.2
3/21/04 14:30	21.28	45.777	5.46	80	48.21	23.127	7.97	-92.5	-98.9	3	6.3
3/21/04 15:00	21.3	45.815	5.48	80	48.14	23.079	7.98	-92.7	-226.8	3.1	6.2
3/21/04 15:30	21.26	63.056	5.08	80	48.17	22.882	7.98	-92.8	-254.5	3	6.2
3/21/04 16:00	21.39	62.906	5.16	80	48.23	22.925	7.98	-93	-264	3	6.2
3/21/04 16:30	21.43	63.064	5.17	80	48.15	22.867	7.99	-93.4	-346.8	3.1	6.2
3/21/04 17:00	21.45	63.143	5.27	80	48.25	22.931	7.99	-93.5	-375.5	3.1	6.2
3/21/04 17:30	21.51	63.152	5.27	80	48.17	22.88	7.99	-93.4	-316.7	3	561.7
3/21/04 18:00	21.58	63.142	5.35	80	48.26	22.941	8	-94.4	-399.1	3	6.2
3/21/04 18:30	21.67	63.185	5.38	80	48.33	22.992	8.01	-94.7	-368.9	2.9	6.3
3/21/04 19:00	21.8	63.276	5.45	79	48.3	22.968	8.01	-94.7	-382	3	6.1
3/21/04 19:30	21.94	63.314	5.27	80	48.29	22.966	8	-94.1	-421	2.9	6.3
3/21/04 20:00	21.92	63.327	5.21	79	48.24	22.93	8	-93.9	-342.1	3.1	6
3/21/04 20:30	21.78	63.306	5.14	77	48.39	23.028	7.98	-92.8	-184.5	3.1	6.2
3/21/04 21:00	21.69	63.306	5.18	77	48.33	22.987	7.99	-93.5	-276.8	2.9	6.2
3/21/04 21:30	21.59	63.79	5.07	77	48.34	22.988	7.97	-92.6	-246.2	3.1	6.3
3/21/04 22:00	21.61	63.248	5.12	76	48.29	22.963	7.97	-92.7	-209.5	3	6.3
3/21/04 22:30	21.55	63.26	5.04	76	48.23	22.921	7.97	-92.7	-123.3	3	6.3
3/21/04 23:00	21.52	63.262	4.94	76	48.29	22.958	7.97	-92.4	-117	3.1	6.1
3/21/04 23:30	21.53	63.286	4.88	76	48.26	22.938	7.97	-92.2	-71.5	3	6.4
3/22/04 0:00	21.57	63.296	4.8	76	48.19	22.891	7.96	-91.9	-36	2.9	6.2
3/22/04 0:30	21.58	63.276	4.71	76	48.19	22.892	7.96	-91.7	-11.8	3	6.2
3/22/04 1:00	21.59	63.27	4.65	76	48.09	22.828	7.96	-91.6	-5.3	3.1	6.2
3/22/04 1:30	21.59	63.259	4.61	76	48.11	22.835	7.95	-91.6	-3.3	3	6.5
3/22/04 2:00	21.56	63.283	4.56	76	48.18	22.888	7.95	-91.2	-2	3.1	6.4
3/22/04 2:30	21.56	63.276	4.51	74	48.15	22.868	7.95	-91.1	-0.9	3	6.7
3/22/04 3:00	21.56	63.284	4.49	74	47.91	22.702	7.95	-91.1	-0.1	3.1	6.5
3/22/04 3:30	21.69	63.304	4.46	76	48.12	22.844	7.94	-91	-0.4	3	6.8
3/22/04 4:00	21.82	63.338	4.6	74	48.01	22.77	7.95	-91.6	-0.2	3.1	6.5
3/22/04 4:30	21.86	63.391	4.67	74	48.2	22.901	7.96	-91.8	0.4	3	6.7
3/22/04 5:00	21.85	63.431	4.68	74	48.27	22.949	7.96	-91.7	0.9	3.1	6.4
3/22/04 5:30	21.83	63.426	4.68	74	48.38	23.023	7.96	-91.6	1	3.2	6.9
3/22/04 6:00	21.8	63.472	4.68	74	48.13	22.852	7.95	-91.4	1.1	3.1	6.1
3/22/04 6:30	21.69	63.506	4.49	74	48.36	23.006	7.93	-90.3	1.4	3.1	6.1
3/22/04 7:00	21.64	63.557	4.4	73	48.33	22.989	7.93	-90	1.9	3	6.9
3/22/04 7:30	21.65	63.577	4.43	74	48.37	23.013	7.93	-90.1	2	3.1	6.1
3/22/04 8:00	21.69	63.669	4.5	74	48.53	23.123	7.93	-90.4	2	3	6
3/22/04 8:30	21.7	63.744	4.54	73	48.55	23.133	7.94	-90.6	2.1	3	6.1
3/22/04 9:00	21.4	63.86	4.5	73	48.55	23.127	7.93	-90.1	1.9	3.3	6.1
3/22/04 9:30	21.29	63.78	4.55	73	48.48	23.08	7.93	-90.3	1.6	3	6.2
3/22/04 10:00	21.24	63.765	4.55	73	48.29	22.949	7.94	-90.5	1.4	3.1	6.2
3/22/04 10:30	21.23	63.784	4.5	73	48.57	23.142	7.93	-90.2	1.1	3	6.1
3/22/04 11:00	21.24	63.864	4.48	73	48.3	22.956	7.93	-90.1	1.2	3	6.2
3/22/04 11:30	21.24	64.144	4.45	73	48.23	22.909	7.93	-89.9	1.2	3.1	6.2
3/22/04 12:00	21.25	64.256	4.46	73	48.39	23.012	7.93	-89.8	1.1	3.1	6.4
3/22/04 12:30	21.22	64.824	4.45	73	48.35	22.979	7.92	-89.6	-8.4	3.1	6.1
3/22/04 13:00	21.29	64.634	4.5	73	48.29	22.941	7.92	-89.6	-35.9	3.1	6.1
3/22/04 13:30	21.34	64.617	4.65	73	48.29	22.942	7.92	-89.5	-71.5	3.1	6.2
3/22/04 14:00	21.35	64.643	4.73	73	48.32	22.965	7.92	-89.7	-115.4	3.1	6.1
3/22/04 14:30	21.34	64.805	4.87	73	48.32	22.96	7.93	-89.8	-159.6	3	6.2
3/22/04 15:00	21.39	64.707	4.97	73	48.28	22.935	7.93	-90.2	-206.3	3.1	6.3
3/22/04 15:30	21.42	64.682	5.12	73	47.95	22.708	7.93	-90.2	-252.2	3.2	6.1
3/22/04 16:00	21.46	64.701	5.19	73	48.47	23.066	7.93	-90.3	-275	3.2	6.2
3/22/04 16:30	21.44	65.873	5.42	73	48.33	22.95	7.94	-90.9	-328.3	3	6.1
3/22/04 17:00	21.51	64.751	5.47	73	48.14	22.84	7.95	-91.1	-381.7	3.1	6.2
3/22/04 17:30	21.5	65.311	5.63	73	48.19	22.867	7.94	-90.9	-316.5	3	6.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/22/04 18:00	21.5	65.61	5.65	73	48.21	22.872	7.94	-90.5	-209.4	3.1	6.2
3/22/04 18:30	21.51	66.25	5.9	73	48.32	22.94	7.97	-92.4	-376.3	3.1	6.1
3/22/04 19:00	21.49	66.456	5.88	73	48.05	22.755	7.95	-91.2	-375	3.3	6.1
3/22/04 19:30	21.5	67.936	5.78	73	47.87	22.616	7.95	-91.1	-394.1	3	6.2
3/22/04 20:00	21.5	66.621	5.87	73	48.16	22.826	7.96	-91.7	-318.7	3.2	6.2
3/22/04 20:30	21.51	66.716	5.81	73	48.15	22.82	7.96	-92	-346.4	3.2	6.1
3/22/04 21:00	21.54	64.946	5.78	73	48.23	22.898	7.96	-91.9	-285.3	3.1	9.8
3/22/04 21:30	21.51	67.033	5.65	73	48.3	22.92	7.96	-92	-243.9	3.2	6.2
3/22/04 22:00	21.52	65.361	5.68	73	48.15	22.837	7.95	-91.1	-224.1	3.2	6.2
3/22/04 22:30	21.5	65.751	5.6	71	48.43	23.026	7.95	-91	-172.1	3.1	6.6
3/22/04 23:00	21.47	68.772	5.45	71	48.03	22.708	7.94	-90.5	-127	3.1	6.2
3/22/04 23:30	21.52	65.06	5.38	70	48.23	22.895	7.93	-89.9	-73.1	3.1	6.1
3/23/04 0:00	21.52	67.142	5.26	71	47.97	22.692	7.92	-89.7	-51	3.2	6.2
3/23/04 0:30	21.57	65.259	5.1	71	48.29	22.933	7.92	-89.6	-25.5	3.1	6.2
3/23/04 1:00	21.56	65.522	5.04	71	48.16	22.84	7.92	-89.6	-18.5	3.1	6.4
3/23/04 1:30	21.54	66.507	4.97	70	48.08	22.772	7.92	-89.4	-17	3.2	6.1
3/23/04 2:00	21.52	67.473	4.94	70	47.86	22.609	7.92	-89.5	-15.7	3	6.2
3/23/04 2:30	21.53	66.347	4.93	70	47.95	22.688	7.92	-89.4	-14.2	3.3	6.3
3/23/04 3:00	21.53	66.863	4.93	70	48.12	22.798	7.92	-89.4	-13.6	3.2	6.2
3/23/04 3:30	21.54	66.794	4.91	70	48	22.717	7.92	-89.4	-12.9	3	6.2
3/23/04 4:00	21.59	64.927	4.98	71	48.07	22.79	7.92	-89.8	-11.6	3.2	6.2
3/23/04 4:30	21.56	65.109	5.04	70	47.85	22.636	7.93	-89.8	-11.2	3.2	6.2
3/23/04 5:00	21.54	67.268	4.95	70	48.08	22.763	7.92	-89.6	-11.5	3.2	6.2
3/23/04 5:30	21.54	66.813	4.96	71	48.18	22.836	7.92	-89.7	-11.1	3.2	6.1
3/23/04 6:00	21.54	66.528	4.94	70	48.23	22.875	7.92	-89.5	-10.7	3.1	6.1
3/23/04 6:30	21.55	65.752	4.94	71	48.18	22.853	7.92	-89.4	-10.2	3.3	6.1
3/23/04 7:00	21.53	66.111	4.91	70	48.51	23.073	7.92	-89.4	-9.8	3.1	6.3
3/23/04 7:30	21.53	65.535	4.98	70	48.49	23.068	7.92	-89.5	-9.4	3.2	6.2
3/23/04 8:00	21.53	65.704	4.96	70	48.54	23.098	7.92	-89.6	-9.2	3.2	6.2
3/23/04 8:30	21.53	66.015	4.96	71	48.53	23.089	7.92	-89.6	-9	3.3	6.1
3/23/04 9:00	21.53	66.044	4.96	70	48.37	22.98	7.92	-89.6	-8.1	3.3	6.1
3/23/04 9:30	21.5	68.367	4.93	71	48.45	23.002	7.92	-89.5	-9.7	3.2	6.2
3/23/04 10:00	21.51	68.079	4.92	70	48.39	22.968	7.92	-89.5	-9.2	3.1	6.2
3/23/04 10:30	21.5	66.712	4.93	70	48.57	23.109	7.92	-89.4	-8.7	3.1	6
3/23/04 11:00	21.41	66.315	4.86	70	48.55	23.101	7.91	-89	-7.7	3.1	6.3
3/23/04 11:30	21.32	67.074	4.81	70	48.6	23.12	7.91	-88.8	-8.2	3.2	6.2
3/23/04 12:00	21.29	68.074	4.83	70	48.79	23.234	7.91	-89.1	-8.7	3.1	6.1
3/23/04 12:30	21.32	69.615	4.78	69	48.69	23.148	7.91	-88.8	-16.2	3.2	709.7
3/23/04 13:00	21.34	68.038	4.98	70	48.81	23.251	7.91	-89	-51.8	3.2	6.2
3/23/04 13:30	21.38	68.258	5.24	70	48.61	23.115	7.92	-89.4	-93.6	3.1	6.2
3/23/04 14:00	21.41	68.102	5.51	71	48.54	23.066	7.93	-89.8	-124.7	3.1	6.3
3/23/04 14:30	21.4	68.162	5.57	70	48.52	23.049	7.93	-90	-168.6	3	6.2
3/23/04 15:00	21.4	68.906	5.8	71	48.58	23.086	7.94	-90.7	-240.7	3.1	6.7
3/23/04 15:30	21.42	68.295	5.98	71	48.69	23.169	7.94	-90.5	-240.7	3.3	14.6
3/23/04 16:00	21.43	68.57	6.23	71	48.59	23.094	7.95	-91.1	-347	3.2	9.2
3/23/04 16:30	21.45	70.967	6.27	71	48.41	22.943	7.97	-92.5	-306.8	3.1	6.2
3/23/04 17:00	21.47	69.324	6.22	71	48.4	22.956	7.95	-91.5	-275	3.1	10.1
3/23/04 17:30	21.47	69.465	6.1	70	48.59	23.084	7.95	-91.1	-431.5	3.2	6.2
3/23/04 18:00	21.48	70.655	6.5	71	48.53	23.026	7.99	-93.4	-395.2	3.2	65.9
3/23/04 18:30	21.48	70.032	6.3	71	48.41	22.953	7.95	-91.4	-216.6	3.2	6.1
3/23/04 19:00	21.49	69.137	6.66	71	48.36	22.932	7.96	-92	-192.1	3.2	6.1
3/23/04 19:30	21.48	68.763	6.25	71	48.54	23.061	7.96	-92	-453.1	3.1	6.1
3/23/04 20:00	21.46	70.374	6.63	71	48.51	23.014	7.98	-93	-343.4	3.1	6.2
3/23/04 20:30	21.45	70.346	6.21	71	48.44	22.97	7.97	-92.4	-367.4	3.3	6.2
3/23/04 21:00	21.46	69.823	6.64	71	48.29	22.874	8.01	-94.6	-358.5	3.2	6.2
3/23/04 21:30	21.45	69.3	5.98	70	48.2	22.822	7.94	-90.5	-149.8	3.1	6.1
3/23/04 22:00	21.44	70.58	5.95	70	48.25	22.833	7.95	-91.2	-190.8	3.1	6.2
3/23/04 22:30	21.45	69.621	5.83	70	48.25	22.852	7.93	-90.1	-117.6	3.1	6.1
3/23/04 23:00	21.45	70.331	5.66	70	48.44	22.971	7.92	-89.8	-131.7	3.2	1422.4
3/23/04 23:30	21.45	69.366	5.53	69	48.3	22.889	7.92	-89.7	-94.9	3.3	6.3
3/24/04 0:00	21.46	68.757	5.36	70	48.21	22.836	7.92	-89.3	-53.8	3.2	6.2
3/24/04 0:30	21.46	69.551	5.16	69	48.16	22.787	7.91	-89	-30.5	3.2	6.2
3/24/04 1:00	21.46	69.266	5.06	69	47.92	22.633	7.91	-88.9	-22.6	3.1	6.1
3/24/04 1:30	21.46	69.855	4.98	69	47.94	22.635	7.91	-88.7	-20.2	3.3	6.2
3/24/04 2:00	21.47	68.963	4.92	69	48.2	22.824	7.9	-88.5	-18.6	3.2	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/24/04 2:30	21.47	70.739	4.79	70	48.03	22.682	7.9	-88.1	-17.3	3.4	148.2
3/24/04 3:00	21.49	68.699	4.75	70	47.95	22.655	7.89	-88.1	-16.4	3.2	6.3
3/24/04 3:30	21.53	68.722	4.87	69	47.94	22.651	7.9	-88.7	-15.6	3.2	6.1
3/24/04 4:00	21.55	69.229	4.89	69	47.68	22.466	7.91	-89	-14.7	3	6.2
3/24/04 4:30	21.57	68.377	4.89	69	48.1	22.767	7.91	-88.9	-14.2	3.2	6.1
3/24/04 5:00	21.58	69.585	4.88	69	48.08	22.734	7.91	-89	-13.9	3.2	6.2
3/24/04 5:30	21.58	70.393	4.87	69	48.13	22.759	7.91	-89.1	-13.3	3.2	1423
3/24/04 6:00	21.54	70.005	4.81	69	48.19	22.801	7.91	-88.9	-12.8	3.2	6.5
3/24/04 6:30	21.45	70.849	4.8	69	48.12	22.747	7.91	-88.9	-12.5	3.2	6.7
3/24/04 7:00	21.39	70.025	4.81	69	48.38	22.932	7.91	-88.7	-12.4	3.2	6.7
3/24/04 7:30	21.35	69.367	4.8	69	48.29	22.878	7.91	-88.7	-11.8	3.1	6.8
3/24/04 8:00	21.32	71.235	4.76	69	48.11	22.732	7.9	-88.4	-11.9	3.2	6.4
3/24/04 8:30	21.33	70.698	4.79	69	48.13	22.755	7.9	-88.4	-11.8	3.1	1421.9
3/24/04 9:00	21.36	71.457	4.74	69	48.34	22.883	7.9	-88.4	-11.7	3.2	1083.3
3/24/04 9:30	21.36	71.548	4.71	69	48.33	22.876	7.9	-88.4	-11.4	3	6.1
3/24/04 10:00	21.39	69.933	4.79	69	48.28	22.866	7.9	-88.6	-11.1	3.3	6.2
3/24/04 10:30	21.38	71.143	4.77	69	48.45	22.963	7.91	-88.7	-11	3.2	6.3
3/24/04 11:00	21.4	72.106	4.73	69	48.27	22.828	7.91	-88.7	-11.1	3.1	207.4
3/24/04 11:30	21.43	71.089	4.77	69	48.45	22.962	7.9	-88.6	-11	3.1	8.3
3/24/04 12:00	21.45	71.312	4.79	69	48.43	22.948	7.91	-88.7	-10.9	3.2	6.5
3/24/04 12:30	21.44	71.487	4.82	69	48.77	23.179	7.91	-88.9	-19.5	3.2	1422.4
3/24/04 13:00	21.4	71.883	4.93	69	48.38	22.906	7.91	-88.9	-42	3.2	431.7
3/24/04 13:30	21.38	71.766	5	69	48.5	22.987	7.91	-89.1	-48.3	3.2	6.2
3/24/04 14:00	21.38	72.397	5.15	69	48.64	23.078	7.91	-89.2	-87	3.2	6.3
3/24/04 14:30	21.41	70.449	5.36	69	48.56	23.046	7.92	-89.7	-126.7	3.2	6.2
3/24/04 15:00	21.41	76.071	5.44	69	48.67	23.049	7.92	-89.7	-153.5	3.2	1422.3
3/24/04 15:30	21.43	71.48	5.63	69	48.51	23.001	7.94	-90.6	-168.8	3.1	6.2
3/24/04 16:00	21.46	71.732	5.97	70	48.44	22.953	7.96	-91.8	-248.1	3.2	6.1
3/24/04 16:30	21.48	70.958	6.05	69	48.7	23.136	7.94	-90.9	-311	3.1	6.5
3/24/04 17:00	21.49	72.047	6.11	69	48.39	22.915	7.96	-91.6	-330.8	3.3	222.2
3/24/04 17:30	21.51	72.463	6.13	70	48.46	22.957	7.96	-92	-377.9	3.1	6.5
3/24/04 18:00	21.51	70.906	6.39	69	48.44	22.963	7.97	-92.3	-363.9	3.1	6.2
3/24/04 18:30	21.52	71.486	6.42	69	48.39	22.922	7.97	-92.2	-370.3	3.3	6.2
3/24/04 19:00	21.54	71.046	6.43	69	48.44	22.961	7.96	-92.1	-405.6	3.3	6.2
3/24/04 19:30	21.53	71.154	6.41	69	48.32	22.874	7.99	-93.5	-383.9	3.1	6.2
3/24/04 20:00	21.53	70.135	6.41	69	48.3	22.874	8	-94.1	-347.3	3.2	6.1
3/24/04 20:30	21.52	72.845	6.08	69	48.55	23.011	7.95	-91.4	-344.1	3.2	6.2
3/24/04 21:00	21.52	72.288	6.09	69	48.45	22.951	7.98	-92.7	-317.9	3.2	12.6
3/24/04 21:30	21.53	72.039	6.19	70	48.36	22.89	7.98	-92.8	-245.7	3.2	6.2
3/24/04 22:00	21.53	72.367	5.98	69	48.54	23.014	7.95	-91.1	-227.6	3.1	1422.8
3/24/04 22:30	21.53	73.211	5.77	69	48.23	22.789	7.94	-90.5	-170	3.2	6.2
3/24/04 23:00	21.53	73.157	5.62	69	48.14	22.729	7.92	-89.7	-93.5	3.3	6.2
3/24/04 23:30	21.54	72.481	5.53	69	48.22	22.788	7.92	-89.5	-86.4	3.2	6.3
3/25/04 0:00	21.55	73.271	5.36	69	48.2	22.771	7.91	-89	-52.9	3.1	7.2
3/25/04 0:30	21.55	72.573	5.24	69	48.1	22.706	7.91	-88.8	-32.1	3.1	7.3
3/25/04 1:00	21.56	73.377	5.08	69	47.9	22.56	7.9	-88.6	-24.6	3.1	6.2
3/25/04 1:30	21.57	73.386	4.99	69	48.09	22.694	7.9	-88.3	-22.2	3.3	6.5
3/25/04 2:00	21.59	71.423	4.95	69	48.01	22.663	7.9	-88.2	-20.6	3.3	6.4
3/25/04 2:30	21.61	72.696	4.94	69	48.22	22.792	7.9	-88.5	-19.6	3.2	6.2
3/25/04 3:00	21.64	72.61	4.92	69	47.84	22.532	7.9	-88.4	-18.6	3.2	6.2
3/25/04 3:30	21.66	71.417	4.97	69	47.87	22.566	7.91	-88.7	-17.8	3.2	6.1
3/25/04 4:00	21.66	71.07	5.01	69	47.98	22.647	7.91	-88.9	-17.1	3.1	6.1
3/25/04 4:30	21.65	71.987	4.95	69	47.9	22.584	7.91	-88.7	-16.6	3.2	6.7
3/25/04 5:00	21.65	72.994	4.94	69	48	22.637	7.91	-88.7	-16	3.1	6.2
3/25/04 5:30	21.64	72.687	4.94	69	48.17	22.754	7.91	-88.7	-15.7	3.3	6.1
3/25/04 6:00	21.63	72.82	4.95	69	48.08	22.694	7.9	-88.7	-15.2	3	6.2
3/25/04 6:30	21.61	71.361	4.94	69	48.08	22.712	7.9	-88.5	-14.8	3.1	6.2
3/25/04 7:00	21.59	72.756	4.85	69	48.01	22.643	7.9	-88.4	-14.6	3.2	6.1
3/25/04 7:30	21.56	73.533	4.9	69	48.11	22.702	7.9	-88.5	-14.2	3.2	6.3
3/25/04 8:00	21.55	72.545	4.9	69	47.96	22.615	7.9	-88.3	-14.1	3.3	1422.9
3/25/04 8:30	21.53	72.763	4.95	69	48.29	22.836	7.9	-88.6	-13.7	3.3	6.2
3/25/04 9:00	21.51	72.14	4.94	69	48.27	22.829	7.9	-88.5	-13.6	3.3	6.2
3/25/04 9:30	21.52	72.45	4.91	69	48.15	22.743	7.9	-88.5	-13.4	3.2	6.2
3/25/04 10:00	21.51	73.176	4.9	69	48.28	22.824	7.9	-88.4	-13.2	3.2	6.2
3/25/04 10:30	21.48	72.911	4.95	69	48.46	22.949	7.9	-88.6	-12.9	3.2	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/25/04 11:00	21.47	72.788	4.94	69	48.39	22.902	7.9	-88.4	-13	3.3	6.2
3/25/04 11:30	21.43	73.322	4.92	69	48.62	23.05	7.9	-88.4	-13	3.1	6.1
3/25/04 12:00	21.45	73.279	4.93	69	48.67	23.083	7.9	-88.6	-12.7	3.2	1422.4
3/25/04 12:30	21.49	73.016	4.97	69	48.69	23.1	7.9	-88.6	-19.3	3.2	1089.5
3/25/04 13:00	21.51	72.176	5.13	69	48.67	23.098	7.91	-88.9	-39.3	3.2	7
3/25/04 13:30	21.51	72.135	5.39	69	48.64	23.082	7.91	-89.2	-96.3	3.3	6.2
3/25/04 14:00	21.5	74.458	5.57	69	48.72	23.107	7.92	-89.5	-117.5	3.3	6.4
3/25/04 14:30	21.51	75.548	5.6	70	48.95	23.243	7.92	-89.3	-157.2	3.2	6.3
3/25/04 15:00	21.36	75.063	5.93	70	48.46	22.916	7.93	-90.1	-206.9	3.2	11.1
3/25/04 15:30	21.34	72.196	6.24	70	48.83	23.208	7.93	-90.1	-230	3.2	203.3
3/25/04 16:00	21.34	72.978	6.5	70	48.82	23.188	7.95	-91.3	-287.3	3	8
3/25/04 16:30	21.32	74.216	6.34	69	48.17	22.735	7.93	-89.9	-317.2	3.2	9.9
3/25/04 17:00	21.33	74.097	6.78	70	48.74	23.12	7.96	-92.1	-341.7	3.2	6.2
3/25/04 17:30	21.35	74.13	6.46	69	48.61	23.034	7.95	-91.3	-300.3	3.2	6.2
3/25/04 18:00	21.39	73.923	6.76	70	48.69	23.088	7.96	-91.8	-383.9	3.2	6.4
3/25/04 18:30	21.43	75.052	6.96	71	48.62	23.028	8	-94.4	-381.6	3.1	6.9
3/25/04 19:00	21.43	74.64	6.6	70	47.9	22.543	7.94	-90.5	-344.6	3.3	298.7
3/25/04 19:30	21.47	75.518	6.43	70	48.36	22.845	7.94	-90.8	-295.8	3.1	6.2
3/25/04 20:00	21.46	75.594	6.38	70	48.47	22.92	7.95	-91.5	-382.1	3.1	820
3/25/04 20:30	21.5	75.315	6.71	70	48.44	22.9	7.98	-92.8	-313.4	3.3	6.2
3/25/04 21:00	21.52	72.909	6.4	70	48.69	23.102	7.94	-90.8	-282.8	3.1	916.9
3/25/04 21:30	21.51	78.834	6.19	70	48.56	22.936	7.93	-90.3	-260.5	3.2	6.3
3/25/04 22:00	21.55	73.841	6.45	69	48.5	22.966	7.96	-91.9	-191.1	3.1	6.4
3/25/04 22:30	21.56	72.546	6.33	69	48.49	22.975	7.95	-91.4	-170.8	3.3	6.4
3/25/04 23:00	21.55	79.09	5.99	69	48.03	22.573	7.93	-90.1	-122.6	3.2	6.6
3/25/04 23:30	21.59	73.54	5.95	69	48.44	22.927	7.92	-89.8	-87.8	3.1	6.2
3/26/04 0:00	21.6	74.083	5.79	69	48.09	22.684	7.92	-89.4	-56.6	3.1	6.2
3/26/04 0:30	21.59	73.24	5.68	70	47.99	22.626	7.92	-89.4	-32.8	3.1	6.5
3/26/04 1:00	21.61	73.786	5.53	69	48.43	22.917	7.91	-89	-24.8	3.1	7.4
3/26/04 1:30	21.64	74.715	5.36	69	47.69	22.404	7.91	-88.7	-22.2	3.2	6.4
3/26/04 2:00	21.67	74.584	5.27	70	47.8	22.477	7.9	-88.6	-20.2	3.2	6.1
3/26/04 2:30	21.7	73.974	5.22	69	47.78	22.474	7.9	-88.5	-19	3.1	1423.5
3/26/04 3:00	21.74	72.964	5.21	70	47.95	22.604	7.9	-88.5	-18	3.2	12.9
3/26/04 3:30	21.76	73.337	5.17	69	47.77	22.479	7.9	-88.4	-17.1	3.2	6.2
3/26/04 4:00	21.77	77.808	5.01	69	47.62	22.316	7.9	-88.4	-16.7	3.2	6.2
3/26/04 4:30	21.79	75.76	5.06	70	47.82	22.475	7.9	-88.4	-16.1	3.3	6.2
3/26/04 5:00	21.8	76.027	5.13	69	47.97	22.577	7.91	-88.9	-15.6	3.2	6.2
3/26/04 5:30	21.79	75.751	5.1	69	47.66	22.371	7.9	-88.7	-15.3	3.2	976.1
3/26/04 6:00	21.74	75.011	5.14	69	47.47	22.251	7.91	-88.8	-14.6	3.1	6.2
3/26/04 6:30	21.72	72.77	5.13	69	48.09	22.699	7.9	-88.4	-14.1	3.1	6.2
3/26/04 7:00	21.66	75.412	5.03	69	47.99	22.599	7.9	-88.2	-13.8	3.2	6.2
3/26/04 7:30	21.64	76.022	4.95	69	48.34	22.825	7.89	-88	-13.7	3.1	6.8
3/26/04 8:00	21.63	75.898	4.99	69	47.8	22.464	7.9	-88.1	-13.4	3.1	12.5
3/26/04 8:30	21.63	75.079	5.08	69	48.34	22.84	7.9	-88.5	-12.9	3.2	6.1
3/26/04 9:00	21.61	75.218	5.08	69	47.92	22.553	7.9	-88.4	-12.6	3.1	6.2
3/26/04 9:30	21.62	75.095	5.08	69	48.5	22.946	7.9	-88.6	-12.5	3.2	6.3
3/26/04 10:00	21.64	75.372	5.12	69	48.59	23.005	7.9	-88.7	-12.4	3.2	7.1
3/26/04 10:30	21.67	75.496	5.08	69	48.33	22.823	7.9	-88.6	-12.4	3.2	6.3
3/26/04 11:00	21.71	75.753	5.13	69	47.89	22.526	7.9	-88.7	-12	3.3	6.3
3/26/04 11:30	21.74	75.644	5.19	69	48.58	22.994	7.91	-89.1	-12.1	3.1	6.2
3/26/04 12:00	21.74	75.911	5.16	69	48.02	22.614	7.91	-89.1	-11.8	3	6.2
3/26/04 12:30	21.76	76.25	5.19	70	48.44	22.89	7.91	-89.1	-21.3	3.2	6.2
3/26/04 13:00	21.77	75.225	5.34	69	48.66	23.055	7.91	-89.2	-45.2	3.1	6.7
3/26/04 13:30	21.77	75.538	5.52	70	48.26	22.781	7.91	-89.3	-65.7	3.3	6.2
3/26/04 14:00	21.79	76.136	5.65	70	48.21	22.734	7.92	-89.4	-87.9	3.1	6.7
3/26/04 14:30	21.8	73.314	6.34	71	48.54	23	7.94	-90.5	-173.4	3.2	6.1
3/26/04 15:00	21.8	75.518	6.48	71	48.66	23.053	7.94	-90.8	-140.8	3.2	6.6
3/26/04 15:30	21.8	73.532	6.33	70	48.66	23.078	7.94	-90.9	-232.4	3.2	24.9
3/26/04 16:00	21.77	76.758	6.67	70	48.46	22.896	7.95	-91.5	-270.1	3.2	6.3
3/26/04 16:30	21.74	74.92	6.81	71	48.15	22.712	7.95	-91.1	-292.3	3.2	6.1
3/26/04 17:00	21.74	74.036	6.69	71	48.81	23.172	7.94	-90.6	-326.2	3.2	6.3
3/26/04 17:30	21.71	77.418	6.88	71	48.36	22.819	7.96	-92.1	-333	3.3	471.5
3/26/04 18:00	21.72	76.824	7	71	48.19	22.711	7.98	-92.9	-317.5	3.1	6.2
3/26/04 18:30	21.74	76.505	6.86	71	48.54	22.955	7.98	-93.3	-349	3.2	6.2
3/26/04 19:00	21.74	76.78	6.95	71	48.22	22.733	7.95	-91.3	-351.6	3.1	6.2

Appendix 5
Water Quality Data

DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
3/26/04 19:30	21.74	76.381	6.72	70	48.49	22.923	7.96	-91.9	-344.9	3.1	6.2
3/26/04 20:00	21.75	76.127	6.93	71	48.7	23.069	7.97	-92.7	-312.6	3.1	10
3/26/04 20:30	21.76	76.132	6.63	71	48.26	22.772	7.97	-92.2	-281.1	3.2	7
3/26/04 21:00	21.77	77.016	6.79	71	47.95	22.55	7.95	-91.6	-280.8	3.2	7
3/26/04 21:30	21.78	76.383	6.47	70	48.18	22.717	7.96	-92	-240.6	3.1	7
3/26/04 22:00	21.79	74.565	6.78	71	48.22	22.764	7.96	-91.8	-213.8	3.1	7.1
3/26/04 22:30	21.79	75.801	6.52	71	48.12	22.678	7.98	-92.8	-168.1	3.1	1424
3/26/04 23:00	21.79	76.837	6.31	71	48.34	22.814	7.95	-91.4	-124	3.1	1076.2
3/26/04 23:30	21.8	77.038	6	70	48.3	22.784	7.92	-89.8	-89.8	3.1	6.4
3/27/04 0:00	21.81	75.768	5.84	69	48.01	22.61	7.92	-89.5	-57.1	3.2	7.4
3/27/04 0:30	21.81	75.325	5.66	70	47.94	22.568	7.91	-89.1	-33.3	3.1	6.2
3/27/04 1:00	21.82	74.386	5.53	69	48.21	22.762	7.9	-88.7	-25	3.2	6.2
3/27/04 1:30	21.82	75.925	5.45	69	48.11	22.671	7.9	-88.7	-22.3	3.2	1389.2
3/27/04 2:00	21.83	75.207	5.38	69	48.31	22.818	7.9	-88.6	-20.5	3.2	6.2
3/27/04 2:30	21.83	81.985	5.16	70	47.6	22.247	7.9	-88.6	-19.1	3.1	6.1
3/27/04 3:00	21.85	77.067	5.13	69	47.81	22.453	7.89	-88.1	-18.3	3.1	6.2
3/27/04 3:30	21.86	76.52	5.13	69	47.98	22.579	7.9	-88.2	-17.5	3.2	6.2
3/27/04 4:00	21.88	75.444	5.06	69	47.85	22.503	7.89	-87.9	-16.5	3.2	6.1
3/27/04 4:30	21.92	75.848	5.12	70	47.66	22.37	7.9	-88.3	-16.3	3.2	7.1
3/27/04 5:00	21.92	76.308	5.24	70	48.06	22.636	7.91	-88.8	-15.6	3.1	6.1
3/27/04 5:30	21.87	76.005	5.18	69	47.69	22.389	7.9	-88.7	-14.8	3.2	6.2
3/27/04 6:00	21.83	76.02	5.23	70	47.8	22.463	7.91	-88.7	-14.5	3.2	20.5
3/27/04 6:30	21.8	77.231	5.19	70	47.85	22.481	7.9	-88.7	-14.3	3.1	7
3/27/04 7:00	21.77	76.036	5.23	70	47.68	22.376	7.91	-88.9	-14	3.1	6.2
3/27/04 7:30	21.72	75.318	5.18	69	47.81	22.479	7.9	-88.4	-13.9	3.2	6.2
3/27/04 8:00	21.72	74.193	5.22	69	47.74	22.44	7.91	-88.9	-12.9	3.2	6.2
3/27/04 8:30	21.73	76.619	5.22	69	47.7	22.387	7.91	-89.1	-12.9	3.3	206.3
3/27/04 9:00	21.77	75.581	5.28	69	47.96	22.578	7.91	-89	-13	3.3	1423.8
3/27/04 9:30	21.8	76.076	5.24	69	47.97	22.574	7.91	-89	-12.9	3.2	6.4
3/27/04 10:00	21.82	75.769	5.33	69	48.14	22.697	7.92	-89.4	-12.7	3.2	6.2
3/27/04 10:30	21.82	76.069	5.27	70	47.76	22.436	7.92	-89.3	-12.3	3.1	6.8
3/27/04 11:00	21.8	76.898	5.27	70	47.95	22.55	7.91	-89.1	-12.6	3.2	7.9
3/27/04 11:30	21.8	76.396	5.22	69	48.23	22.75	7.91	-89	-12.8	3.1	6.2
3/27/04 12:00	21.81	75.747	5.29	69	47.94	22.557	7.91	-89.2	-11.8	3.3	6.2
3/27/04 12:30	21.83	75.408	5.33	69	48.23	22.763	7.91	-89.1	-23.1	3.1	6.2
3/27/04 13:00	21.83	75.366	5.47	70	48.17	22.724	7.92	-89.5	-51.3	3.2	6.4
3/27/04 13:30	21.85	76.384	5.7	70	48.23	22.747	7.93	-90	-104.1	3.1	6.2
3/27/04 14:00	21.84	77.613	5.74	69	48.5	22.912	7.92	-89.8	-92.1	3.1	6.2
3/27/04 14:30	21.84	77.005	6.17	70	48.65	23.024	7.94	-90.5	-168.6	3.1	399.7
3/27/04 15:00	21.85	77.234	6.37	70	48.58	22.976	7.95	-91.3	-223	3.2	6.2
3/27/04 15:30	21.86	77.545	6.52	71	48.84	23.149	7.95	-91.4	-227.6	3.2	6.2
3/27/04 16:00	21.87	76.226	6.82	70	48.47	22.914	7.96	-91.7	-245.2	3	6.1
3/27/04 16:30	21.89	75.261	6.79	70	48.24	22.769	7.96	-92	-323.5	3.2	8.9
3/27/04 17:00	21.88	78.019	6.79	71	48.61	22.985	7.96	-91.7	-278.7	3.2	6.3
3/27/04 17:30	21.88	75.967	7.13	71	48.87	23.19	7.97	-92.7	-327	3.1	7.5
3/27/04 18:00	21.86	77.583	7.37	71	48.8	23.118	7.97	-92.5	-332.3	3.3	6.2
3/27/04 18:30	21.88	76.519	6.93	71	48.7	23.067	7.99	-93.4	-337.9	3.2	6.4
3/27/04 19:00	21.86	77.127	6.97	71	48.29	22.78	7.97	-92.5	-335.3	3.3	5.9
3/27/04 19:30	21.87	77.172	7.16	71	48.63	23.008	7.98	-92.9	-423.4	3.2	6.2
3/27/04 20:00	21.87	77.795	7.16	71	48.3	22.773	7.99	-93.6	-339	3.1	6.4
3/27/04 20:30	21.88	75.341	6.81	70	48.58	23.002	7.97	-92.7	-322.2	3.2	6.2
3/27/04 21:00	21.87	76.582	6.41	70	48.67	23.042	7.95	-91.1	-186	3.1	6.1
3/27/04 21:30	21.88	76.205	6.84	70	48.63	23.021	8	-94.4	-263.7	3.1	6.3
3/27/04 22:00	21.88	76.664	6.45	71	48.54	22.954	7.95	-91.2	-134.3	3.1	6.2
3/27/04 22:30	21.89	76.151	6.44	70	48.31	22.802	7.96	-92.1	-170.7	3.1	1183.4
3/27/04 23:00	21.9	76.86	6.24	70	48.35	22.826	7.94	-90.9	-130.5	3.2	6.2
3/27/04 23:30	21.91	76.768	6.01	70	48.11	22.664	7.93	-89.9	-90.5	3.1	6.5
3/28/04 0:00	21.93	78.512	5.78	69	48.33	22.786	7.92	-89.5	-56.5	3.2	6.4
3/28/04 0:30	21.94	77.394	5.65	69	48.11	22.654	7.91	-89.2	-33.9	3.2	90.2
3/28/04 1:00	21.94	76.553	5.54	70	48.25	22.762	7.91	-89.1	-25.2	3	7.3
3/28/04 1:30	21.95	78.043	5.4	69	48.73	23.064	7.91	-88.9	-23.2	3.2	11.2
3/28/04 2:00	21.94	75.317	5.38	69	48.17	22.723	7.9	-88.6	-21.3	3.2	7.4
3/28/04 2:30	21.94	77.006	5.34	69	48.12	22.665	7.91	-88.8	-19.8	3.1	6.2
3/28/04 3:00	21.96	78.602	5.2	69	48.14	22.656	7.9	-88.5	-18.8	3.2	6.2
3/28/04 3:30	21.93	77.294	5.35	69	48.02	22.594	7.91	-88.9	-17.8	3.1	1293.5

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/28/04 4:00	21.91	77.848	5.21	69	48.1	22.644	7.9	-88.5	-17.5	3	6.3
3/28/04 4:30	21.81	78.044	5.32	69	48.06	22.609	7.9	-88.7	-16.9	3.2	12.8
3/28/04 5:00	21.55	78.533	5.28	69	47.71	22.362	7.9	-88.4	-16.4	3.2	766.2
3/28/04 5:30	21.36	78.164	5.24	69	47.97	22.547	7.9	-88.3	-15.9	3.2	6.2
3/28/04 6:00	21.11	77.604	5.38	69	47.99	22.564	7.91	-88.6	-15	3.2	6.2
3/28/04 6:30	21.02	77.425	5.39	69	48.16	22.68	7.91	-88.7	-15	3.1	6.7
3/28/04 7:00	21.01	76.631	5.4	69	47.78	22.435	7.91	-88.7	-14.9	3.2	6.3
3/28/04 7:30	20.99	76.234	5.41	69	47.94	22.546	7.91	-88.7	-14.6	3.2	6.4
3/28/04 8:00	21.01	77.779	5.32	69	47.94	22.527	7.9	-88.4	-14.4	3.2	6.4
3/28/04 8:30	21.04	77.8	5.21	69	47.88	22.483	7.9	-88.2	-14	3.3	8.6
3/28/04 9:00	21.1	77.017	5.19	69	47.45	22.207	7.9	-88.3	-13.8	3.1	167.9
3/28/04 9:30	21.17	76.226	5.11	69	47.99	22.582	7.89	-87.8	-13.7	3.2	6.2
3/28/04 10:00	21.48	77.103	5.18	69	47.69	22.367	7.91	-88.7	-13.3	3.2	6.2
3/28/04 10:30	21.62	75.943	5.38	69	48.09	22.657	7.91	-89.2	-13.5	3.1	35.2
3/28/04 11:00	21.71	75.844	5.38	69	48.25	22.764	7.92	-89.4	-13.2	3.1	6.4
3/28/04 11:30	21.84	77.299	5.36	69	48.12	22.661	7.92	-89.5	-13.4	3.2	6.1
3/28/04 12:00	21.87	76.551	5.3	69	48.21	22.731	7.91	-89.2	-13.3	3.1	6.3
3/28/04 12:30	21.87	76.489	5.37	69	48.36	22.834	7.91	-89.3	-20.6	3.1	6.3
3/28/04 13:00	21.9	76.795	5.52	69	48.4	22.855	7.92	-89.6	-43.7	3.2	6.3
3/28/04 13:30	21.94	78.085	5.64	69	48.63	22.995	7.92	-89.9	-58.1	3.2	6.8
3/28/04 14:00	21.96	76.831	6.26	70	48.55	22.958	7.94	-90.7	-113	3.1	6.3
3/28/04 14:30	21.98	77.744	6.38	70	48.19	22.703	7.94	-91.1	-158.2	3.3	6.1
3/28/04 15:00	21.98	78.104	6.64	70	48.46	22.88	7.96	-91.8	-188.4	3.2	6.2
3/28/04 15:30	21.99	77.833	7.24	71	48.36	22.818	7.95	-91.6	-207.1	3.2	6.3
3/28/04 16:00	22	78.468	7.14	70	48.5	22.904	7.95	-91.5	-257	3.1	6.3
3/28/04 16:30	22.05	77.146	6.87	70	48.37	22.836	7.97	-92.3	-298.9	3	6.2
3/28/04 17:00	22.07	79.379	7.81	73	48.42	22.838	8.01	-94.7	-317.4	3.4	6.2
3/28/04 17:30	22.07	77.842	7.29	71	48.21	22.72	7.95	-91.3	-207.2	3.1	6.6
3/28/04 18:00	22.09	76.923	7.27	71	48.53	22.944	7.96	-92.2	-296.9	3.1	13.5
3/28/04 18:30	22.06	77.947	7.6	71	48.49	22.905	7.98	-93	-327.4	3	6
3/28/04 19:00	22.03	80.486	7.65	71	48.67	22.99	8.01	-94.7	-304.8	3	246.7
3/28/04 19:30	22.01	79.947	7.09	70	48.47	22.866	7.95	-91.4	-194.1	3.2	19
3/28/04 20:00	22	76.848	6.76	70	48.25	22.756	7.94	-91	-159.4	3.3	6.2
3/28/04 20:30	22	77.42	7.04	70	48.27	22.764	7.97	-92.7	-263.6	3.1	19.8
3/28/04 21:00	22	76.878	6.9	70	48.44	22.883	7.98	-93	-269.7	3	6.3
3/28/04 21:30	22.02	76.602	7.1	70	48.17	22.704	7.99	-93.8	-252.6	3.1	6.2
3/28/04 22:00	22.04	78.187	6.66	70	48.36	22.811	7.97	-92.5	-193.5	3.1	6.3
3/28/04 22:30	22.01	76.787	6.56	70	48.12	22.667	7.96	-92	-160.3	3	6.2
3/28/04 23:00	21.99	77.399	6.22	70	48.19	22.709	7.95	-91.1	-124.3	3.2	10
3/28/04 23:30	21.98	77.136	6	69	48.18	22.702	7.92	-89.8	-87.3	3.1	6.1
3/29/04 0:00	22.02	77.088	5.81	69	48.42	22.868	7.92	-89.4	-56.8	3.3	6.4
3/29/04 0:30	22.03	77.44	5.65	69	48.32	22.794	7.91	-89.3	-35.6	3.1	6.3
3/29/04 1:00	22.03	76.744	5.54	69	48.41	22.866	7.91	-88.9	-26.9	3.1	6.8
3/29/04 1:30	21.99	77.484	5.52	69	48.11	22.652	7.91	-89.1	-24.6	3.1	6.3
3/29/04 2:00	21.92	78.639	5.45	69	48	22.561	7.91	-89.1	-22.6	3	1424.6
3/29/04 2:30	21.76	78.79	5.38	69	48.11	22.635	7.9	-88.7	-21.4	3.3	6.2
3/29/04 3:00	21.48	78.879	5.45	69	48.02	22.57	7.91	-88.8	-19.9	3.2	6.3
3/29/04 3:30	21.39	82.096	5.34	69	48.22	22.663	7.91	-88.9	-19.3	3.2	6.3
3/29/04 4:00	21.36	78.617	5.42	69	48.06	22.603	7.91	-88.9	-18.6	3.1	14.2
3/29/04 4:30	21.29	77.215	5.44	69	48.07	22.623	7.91	-88.9	-18.1	3.1	6.3
3/29/04 5:00	21.24	78.87	5.43	69	48.14	22.648	7.91	-89.1	-17.4	3.2	1409.3
3/29/04 5:30	21.22	78.202	5.32	69	48.09	22.625	7.91	-88.6	-16.9	3.2	6.4
3/29/04 6:00	21.28	78.503	5.31	69	47.79	22.416	7.91	-88.8	-16.6	3.2	6.2
3/29/04 6:30	21.3	77.382	5.36	69	47.63	22.324	7.91	-88.9	-16.3	3.1	7.5
3/29/04 7:00	21.33	77.826	5.29	69	47.82	22.444	7.91	-88.7	-16.1	3.2	6.2
3/29/04 7:30	21.38	77.015	5.31	69	47.91	22.521	7.91	-88.7	-16	3.1	6.3
3/29/04 8:00	21.41	78.562	5.29	69	47.99	22.553	7.91	-88.9	-15.7	3.1	6.4
3/29/04 8:30	21.45	78.557	5.28	69	47.59	22.286	7.91	-89	-15.5	3.1	6.2
3/29/04 9:00	21.48	78.575	5.27	69	47.8	22.422	7.91	-89	-15.2	3.2	6.4
3/29/04 9:30	21.54	77.453	5.18	69	47.96	22.549	7.9	-88.6	-15	3.2	6.2
3/29/04 10:00	21.64	78.45	5.27	69	47.72	22.375	7.91	-89.1	-14.8	3.1	6.2
3/29/04 10:30	21.68	77.787	5.27	69	47.64	22.331	7.91	-89.2	-14.4	3.1	6.6
3/29/04 11:00	21.73	78.601	5.2	69	47.93	22.513	7.91	-89.1	-14.7	3.2	6.2
3/29/04 11:30	21.77	78.859	5.13	69	48.04	22.586	7.91	-88.7	-14.4	3.1	6.5
3/29/04 12:00	21.8	82.956	5.1	69	47.89	22.427	7.91	-89.2	-14.3	3.1	6.1

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/29/04 12:30	21.84	78.506	5.21	69	48.3	22.764	7.91	-89	-23.1	3.2	6.2
3/29/04 13:00	21.94	77.143	4.86	67	48.21	22.727	7.92	-89.6	-52.5	3.3	6.4
3/29/04 13:30	21.97	78.556	5.1	69	48.05	22.597	7.92	-89.9	-79.8	3.2	6.1
3/29/04 14:00	22	78.83	5.66	69	48.33	22.78	7.93	-90.2	-115	3.2	114.4
3/29/04 14:30	22.05	77.647	6.48	69	48.29	22.773	7.96	-91.7	-161.2	3.2	7.8
3/29/04 15:00	22.09	79.367	6.6	69	48.29	22.751	7.96	-91.9	-200.4	3.3	6.2
3/29/04 15:30	22.07	78.468	6.91	69	48.47	22.884	7.96	-91.8	-206.1	3.2	6.2
3/29/04 16:00	22	78.133	6.54	69	48.32	22.789	7.94	-91.1	-171.1	3.3	165
3/29/04 16:30	21.99	78.308	6.92	69	48.44	22.862	7.96	-91.7	-292.9	3.2	6.1
3/29/04 17:00	22.02	79.308	7.88	70	48.69	23.019	7.99	-93.6	-326.9	3.1	6.2
3/29/04 17:30	22.04	78.237	6.8	69	48.37	22.819	7.94	-91.1	-159.6	3.1	9.1
3/29/04 18:00	22.06	78.224	6.78	69	48.65	23.006	7.96	-92	-170.1	3.2	6.2
3/29/04 18:30	22.11	78.314	6.91	69	48.62	22.99	7.98	-93	-265.4	3.1	6.1
3/29/04 19:00	22.09	78.531	6.85	70	48.51	22.913	7.95	-91.4	-181.2	3.1	6.3
3/29/04 19:30	22.08	78.791	7.56	70	48.58	22.951	8	-94.5	-364.8	3.2	6.2
3/29/04 20:00	22.06	80.034	6.93	69	48.44	22.839	7.97	-92.3	-262.6	3.1	8.2
3/29/04 20:30	22.02	79.66	7.24	70	48.37	22.8	7.99	-93.6	-332.9	3.1	6.3
3/29/04 21:00	22.01	79.413	7.23	70	48.39	22.818	8.03	-95.9	-323.4	3.2	6.4
3/29/04 21:30	21.99	79.367	6.58	69	48.46	22.864	7.96	-91.8	-164.1	3	7.9
3/29/04 22:00	21.99	78.498	6.42	69	48.56	22.945	7.94	-90.7	-102	3	6.4
3/29/04 22:30	21.99	79.641	5.91	69	48.41	22.829	7.92	-89.4	-48.8	3.1	8.1
3/29/04 23:00	22.01	79.941	5.71	69	48.34	22.772	7.91	-89.3	-33.5	3.2	6.2
3/29/04 23:30	22.02	78.391	5.59	69	48.17	22.683	7.91	-89.2	-32.3	3.2	6.2
3/30/04 0:00	22.01	78.429	5.56	69	48.38	22.825	7.91	-89.2	-32.1	3.3	6.5
3/30/04 0:30	22.02	78.507	5.46	69	48.37	22.817	7.91	-88.9	-27.5	3.1	6.4
3/30/04 1:00	22.07	78.926	5.25	69	48.3	22.763	7.9	-88.3	-22.7	3.2	6.3
3/30/04 1:30	22.12	78.674	5.38	67	48.35	22.798	7.91	-89	-21.8	3.1	6.3
3/30/04 2:00	22.1	79.398	5.34	69	48.08	22.604	7.91	-89	-20.6	3	6.5
3/30/04 2:30	22.07	79.314	5.33	69	47.95	22.519	7.91	-89	-20	3.3	6.4
3/30/04 3:00	22.07	79.267	5.29	67	48.24	22.719	7.9	-88.7	-19.1	3.1	6.3
3/30/04 3:30	21.94	79.249	5.26	67	48.02	22.566	7.91	-88.7	-18.4	3.3	6.2
3/30/04 4:00	21.86	79.585	5.29	67	48.12	22.631	7.9	-88.7	-18	3.2	6.2
3/30/04 4:30	21.73	78.136	5.34	69	47.86	22.469	7.91	-88.9	-17.4	3.2	6.2
3/30/04 5:00	21.7	78.56	5.28	69	48	22.562	7.9	-88.4	-17.1	3.2	6.5
3/30/04 5:30	21.66	79.196	5.29	69	47.94	22.513	7.9	-88.7	-16.5	3.3	6.4
3/30/04 6:00	21.59	80.076	5.27	67	47.99	22.534	7.91	-88.7	-15.3	3	6.2
3/30/04 6:30	21.63	79.095	5.19	67	47.89	22.477	7.9	-88.6	-15.9	3.2	6.2
3/30/04 7:00	21.96	77.286	5.36	69	47.9	22.51	7.91	-89.2	-15.9	3.1	6.2
3/30/04 7:30	21.82	79.19	5.25	67	47.93	22.509	7.91	-89	-15.7	3.2	6.3
3/30/04 8:00	22.05	79.29	5.24	69	47.87	22.462	7.92	-89.4	-15.6	3	6.4
3/30/04 8:30	22.11	78.068	5.35	67	47.83	22.454	7.91	-89.2	-15.5	3	6.3
3/30/04 9:00	22.11	79.191	5.27	67	47.82	22.436	7.91	-89.2	-15.3	3.2	6.2
3/30/04 9:30	21.99	78.698	5.25	67	47.77	22.409	7.91	-89	-15.3	3.1	6.3
3/30/04 10:00	22	79.018	5.22	67	47.87	22.472	7.91	-89.1	-14.4	3.1	6.2
3/30/04 10:30	21.99	79.229	5.22	67	47.79	22.411	7.91	-88.9	-14.9	3.1	6.2
3/30/04 11:00	21.92	78.743	5.24	67	48.02	22.573	7.91	-88.9	-14.7	3.2	6.2
3/30/04 11:30	21.91	79.293	5.23	67	47.88	22.475	7.91	-88.9	-14.7	3.3	6.4
3/30/04 12:00	21.98	79.268	5.19	67	47.95	22.52	7.91	-89.1	-14.7	3.3	6.4
3/30/04 12:30	22.01	79.82	5.3	67	48	22.547	7.91	-89.2	-28.3	3.2	6.3
3/30/04 13:00	22.03	79.266	5.67	69	47.98	22.543	7.92	-89.7	-60	3.2	6.2
3/30/04 13:30	22.09	79.44	6.27	69	48.21	22.694	7.94	-90.6	-98.5	3.1	6.1
3/30/04 14:00	22.04	80.687	6.8	69	48.14	22.631	7.95	-91.4	-136.9	3.4	6.2
3/30/04 14:30	21.96	79.1	7.4	69	48.27	22.74	7.97	-92.5	-163.5	3	6.3
3/30/04 15:00	21.85	80.404	8.32	70	48.27	22.718	8	-94.4	-195.1	3	6.6
3/30/04 15:30	21.84	79.34	8.35	70	48.24	22.713	8	-94.1	-235.8	3.3	7.5
3/30/04 16:00	21.93	79.391	9.15	71	48.43	22.843	8.03	-95.7	-268.5	3.3	6.3
3/30/04 16:30	22.02	79.522	9.48	71	48.34	22.782	8.04	-96.8	-270.7	3.2	6.3
3/30/04 17:00	22.05	80.218	9.39	73	48.45	22.849	8.05	-97.3	-289.8	3.1	6.2
3/30/04 17:30	22.06	79.378	9.69	71	48.53	22.913	8.07	-98.5	-340	3.1	6.2
3/30/04 18:00	22.06	80.4	9.43	71	48.56	22.921	8.07	-98	-338.3	3.3	6.4
3/30/04 18:30	22.06	80.569	9.74	73	48.52	22.888	8.11	-100.4	-321.1	3.2	6.2
3/30/04 19:00	22.06	80.302	9.54	71	48.52	22.892	8.09	-99.4	-353.9	3.2	6.3
3/30/04 19:30	22.07	81.282	8.81	70	48.59	22.924	8.06	-97.5	-304.9	3	6.2
3/30/04 20:00	22.08	80.151	8.23	70	48.55	22.917	8.02	-95.3	-332.5	3.2	6.4
3/30/04 20:30	22.09	80.468	8.02	70	48.55	22.912	8.04	-96.8	-319.8	3.3	6.6

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
3/30/04 21:00	22.1	81.578	8.15	70	48.51	22.872	8.08	-98.6	-273.4	3.2	6.2
3/30/04 21:30	22.11	80.213	7.76	69	48.47	22.863	8.06	-97.6	-228.3	3.3	6.2
3/30/04 22:00	22.1	80.399	7.07	69	48.61	22.95	8	-94.5	-219.6	3	6.5
3/30/04 22:30	22.1	79.78	6.88	69	48.49	22.88	8	-94.2	-170.6	3.3	6.4
3/30/04 23:00	22.08	80.373	6.41	69	48.48	22.861	7.95	-91.4	-127.6	3.1	6.4
3/30/04 23:30	22.08	81.024	6.12	67	48.45	22.834	7.94	-90.9	-102.7	3.2	6.5
3/31/04 0:00	22.06	80.919	5.77	67	48.44	22.831	7.92	-89.6	-65	3	6.2
3/31/04 0:30	22.04	80.588	5.53	67	48.37	22.786	7.91	-89.1	-38.5	3.2	6.2
3/31/04 1:00	21.97	80.89	5.35	66	48.38	22.791	7.9	-88.7	-29.1	3.2	6.4
3/31/04 1:30	21.85	80.438	5.24	66	48.37	22.787	7.9	-88.3	-25.9	3.3	6.2
3/31/04 2:00	21.77	79.882	5.15	66	48.38	22.803	7.89	-88.1	-24.3	3.2	7
3/31/04 2:30	21.61	81.148	5.14	66	48.34	22.756	7.9	-88.2	-22.7	3.3	6.4
3/31/04 3:00	21.58	79.481	5.16	66	48.33	22.771	7.89	-87.9	-21.6	3.2	6.2
3/31/04 3:30	21.56	82.069	4.93	66	48.25	22.684	7.88	-87.4	-20	3.1	6.1
3/31/04 4:00	21.57	78.875	4.98	65	48.25	22.727	7.88	-87.3	-19.8	3.2	6.1
3/31/04 4:30	21.58	80.285	4.82	66	48.26	22.713	7.87	-86.9	-19	3.2	6.8
3/31/04 5:00	21.57	80.442	4.88	66	48.19	22.661	7.88	-87.3	-18.4	3.2	885.3
3/31/04 5:30	21.59	81.054	4.76	66	48.16	22.635	7.87	-86.9	-17.9	3.1	6.4
3/31/04 6:00	21.74	80.446	4.65	66	48.06	22.576	7.88	-87.2	-17.7	3.2	6.2
3/31/04 6:30	21.77	80.449	4.85	65	48.04	22.563	7.88	-87.3	-17.3	3.2	6.1
3/31/04 7:00	21.76	80.976	4.92	65	47.97	22.512	7.89	-87.8	-17.1	3.2	135.2
3/31/04 7:30	21.78	80.156	4.96	66	47.99	22.53	7.9	-88.2	-16.7	3.2	6.2
3/31/04 8:00	21.81	79.42	4.97	66	47.93	22.501	7.9	-88.2	-16.5	3.2	6.5
3/31/04 8:30	21.86	79.367	4.96	66	47.91	22.489	7.9	-88.3	-16.2	3.2	6.4
3/31/04 9:00	21.88	82.644	4.76	65	47.87	22.42	7.89	-88.1	-16.3	3.2	6.4
3/31/04 9:30	21.87	79.168	4.7	66	47.84	22.445	7.89	-87.9	-16	3.3	6.2
3/31/04 10:00	21.86	80.874	4.63	65	47.85	22.432	7.88	-87.5	-16	3.2	6.2
3/31/04 10:30	21.88	80.231	4.55	65	47.86	22.443	7.87	-87	-15.6	3.2	6.7
3/31/04 11:00	21.92	79.036	4.58	65	47.84	22.45	7.87	-86.8	-15.2	3.2	6.2
3/31/04 11:30	21.96	81.413	4.46	65	47.87	22.436	7.87	-86.9	-15.1	3.1	6.6
3/31/04 12:00	21.97	80.055	4.26	65	47.86	22.451	7.88	-87.1	-15.5	3.1	6.3
3/31/04 12:30	22.01	81.403	4.54	66	47.89	22.452	7.89	-87.9	-29.5	3.2	6.4
3/31/04 13:00	22.06	80.024	2.98	64	47.95	22.511	7.92	-89.8	-61.7	3.2	6.3
3/31/04 13:30	22.11	79.67	1.35	62	48	22.552	7.96	-92.1	-96.3	3.2	7.2
3/31/04 14:00	22.14	79.723	1.9	62	48.08	22.605	8	-94.4	-137.4	3.2	6.5
3/31/04 14:30	22.16	80.244	2.85	63	48.11	22.618	8.04	-96.5	-167	3.1	6.3
3/31/04 15:00	22.17	80.801	4.43	65	48.16	22.64	8.06	-97.7	-213.6	3.2	6.5
3/31/04 15:30	22.16	79.925	6.4	67	48.22	22.693	8.11	-100.4	-263	3.1	6.4
3/31/04 16:00	22.18	80.23	8.09	69	48.29	22.741	8.17	-103.8	-286.8	3.1	6.4
3/31/04 16:30	22.18	79.935	9.1	71	48.34	22.78	8.18	-104.7	-305.1	3.2	6.4
3/31/04 17:00	22.2	80.471	10.73	73	48.38	22.796	8.23	-107.7	-325.9	3.1	8.1
3/31/04 17:30	22.23	79.919	11.18	73	48.4	22.816	8.2	-105.7	-368.4	3	6.4
3/31/04 18:00	22.24	80.433	10.75	73	48.44	22.837	8.11	-100.6	-354.5	3.1	6.3
3/31/04 18:30	22.26	80.836	13.66	76	48.46	22.844	8.32	-112.7	-379.8	3.1	20.9
3/31/04 19:00	22.27	80.549	13.97	76	48.46	22.85	8.37	-115.6	-375.7	3.2	6.7
3/31/04 19:30	22.29	81.713	13.26	76	48.47	22.842	8.34	-113.6	-333.4	3.1	6.2
3/31/04 20:00	22.29	80.709	11.95	74	48.49	22.868	8.23	-107.8	-340.4	3.1	6.4
3/31/04 20:30	22.28	80.632	10.26	71	48.48	22.862	8.22	-107	-314.6	3.2	6.4
3/31/04 21:00	22.27	82.108	10.2	71	48.46	22.831	8.17	-104.2	-276.5	3.2	6.6
3/31/04 21:30	22.23	82.075	8.66	69	48.47	22.838	8.1	-100	-233.3	3.2	6.4
3/31/04 22:00	22.19	81.648	8.31	69	48.44	22.823	8.08	-98.9	-219.7	3.2	6.2
3/31/04 22:30	22.07	79.873	8	69	48.42	22.829	8.12	-101.3	-174.8	3.1	6.3
3/31/04 23:00	22.05	79.82	6.82	67	48.44	22.844	8.03	-96	-132	3.1	6.5
3/31/04 23:30	22.05	79.828	6.03	66	48.41	22.823	7.96	-92.2	-94.1	3.1	6.5
4/1/04 0:00	22.04	79.948	5.61	66	48.4	22.814	7.93	-90	-64.1	3.1	6.3
4/1/04 0:30	22.05	80.807	5.15	65	48.4	22.806	7.9	-88.6	-38.7	3.1	6.4
4/1/04 1:00	22.06	81.954	4.92	65	48.39	22.782	7.9	-88.4	-28.7	2.9	6.5
4/1/04 1:30	22.06	80.85	4.9	65	48.39	22.797	7.9	-88.3	-26.3	3.1	6.3
4/1/04 2:00	22.07	82.002	4.66	65	48.37	22.766	7.88	-87.3	-24.4	3.2	8.4
4/1/04 2:30	22.1	81.743	4.85	65	48.36	22.761	7.9	-88.4	-23	3.1	6.4
4/1/04 3:00	22.14	81.539	4.85	65	48.33	22.75	7.91	-89	-21.5	3.2	6.3
4/1/04 3:30	22.1	82.122	4.92	65	48.32	22.733	7.91	-89.2	-21.1	3	6.7
4/1/04 4:00	22.07	81.961	4.83	65	48.31	22.728	7.9	-88.6	-19.5	3.1	6.2
4/1/04 4:30	22.05	81.772	4.8	65	48.28	22.709	7.89	-88	-19.7	3.2	6.3
4/1/04 5:00	22.03	80.306	4.79	65	48.26	22.716	7.9	-88.4	-19.1	3	6.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/1/04 5:30	22.04	81.713	4.59	65	48.23	22.679	7.88	-87.5	-18.5	3.2	6.5
4/1/04 6:00	22.05	80.749	4.68	65	48.19	22.664	7.88	-87.3	-18.4	3.1	6.3
4/1/04 6:30	22.07	80.939	4.5	64	48.13	22.623	7.86	-86.1	-18	3.2	6.3
4/1/04 7:00	22.07	81.61	4.33	64	48.12	22.606	7.86	-86.1	-17.4	3.3	6.4
4/1/04 7:30	22.08	81.599	4.2	64	48.09	22.582	7.85	-85.4	-17.4	3.2	6.4
4/1/04 8:00	22.08	79.881	4.32	64	48.03	22.566	7.85	-85.6	-15.3	3.2	6.2
4/1/04 8:30	22.1	81.136	4.22	64	47.99	22.52	7.85	-85.5	-16.7	3.1	6.2
4/1/04 9:00	22.11	79.96	4	64	47.97	22.524	7.83	-84.2	-16.3	3.1	6.5
4/1/04 9:30	22.11	80.466	4.18	64	47.94	22.498	7.84	-85	-16.1	3	22.5
4/1/04 10:00	22.09	81.711	3.69	64	47.9	22.45	7.8	-82.5	-15.8	3.1	6.4
4/1/04 10:30	22.1	80.509	3.68	64	47.89	22.461	7.8	-82.9	-15.5	3.2	6.4
4/1/04 11:00	22.1	80.664	3.6	63	47.88	22.453	7.79	-82.2	-15.2	3.1	112.6
4/1/04 11:30	22.1	80.383	3.48	63	47.9	22.474	7.79	-82.2	-15.1	3.3	6.2
4/1/04 12:00	22.12	79.918	3.83	64	47.91	22.486	7.82	-83.7	-15.1	3.1	6.4
4/1/04 12:30	22.12	81.362	3.98	64	47.92	22.47	7.82	-84.1	-30.7	3.1	6.2
4/1/04 13:00	22.15	81.583	5.41	65	47.96	22.494	7.88	-87.1	-63.1	3.1	6.3
4/1/04 13:30	22.17	82.556	7.34	67	47.99	22.505	7.93	-90	-99.7	3.1	6.2
4/1/04 14:00	22.15	80.974	9.25	70	48.04	22.558	7.98	-93.4	-133.2	3.2	6.2
4/1/04 14:30	22.15	82.226	10.26	71	48.1	22.58	8.04	-96.3	-186.5	3.2	6.2
4/1/04 15:00	22.16	81.601	11.81	73	48.14	22.622	8.1	-100.2	-217.1	3.1	6.2
4/1/04 15:30	22.17	82.734	12.43	73	48.2	22.644	8.11	-100.4	-270.8	3.2	6.2
4/1/04 16:00	22.18	85.494	12.86	73	48.25	22.637	8.19	-105	-295.6	3	6.2
4/1/04 16:30	22.2	86.476	13.37	74	48.27	22.641	8.22	-107.1	-299.5	3.2	6.5
4/1/04 17:00	22.23	81.89	13.9	76	48.33	22.742	8.22	-107.1	-335.7	3	6.5
4/1/04 17:30	22.25	82.269	13.95	76	48.38	22.77	8.26	-109.3	-318.7	3.1	6.3
4/1/04 18:00	22.28	80.924	12.94	73	48.39	22.799	8.26	-109.1	-335.2	3.2	6.3
4/1/04 18:30	22.3	82.265	13.64	74	48.4	22.785	8.26	-109	-405.5	3.2	6.4
4/1/04 19:00	22.31	82.67	12.71	73	48.43	22.801	8.29	-111.3	-342.3	3.1	6.5
4/1/04 19:30	22.31	87.204	11.42	73	48.43	22.736	8.31	-112.4	-406.2	3.1	6.2
4/1/04 20:00	22.3	86.772	10.88	71	48.44	22.752	8.32	-112.9	-320.8	3.2	6.4
4/1/04 20:30	22.31	82.109	10.37	70	48.46	22.826	8.3	-111.7	-329.3	3	6.3
4/1/04 21:00	22.3	82.709	9.87	70	48.42	22.792	8.21	-106.6	-318.5	3.2	6.2
4/1/04 21:30	22.29	81.872	9.75	70	48.4	22.792	8.23	-107.7	-224.9	3.2	6.2
4/1/04 22:00	22.29	82.687	9.25	69	48.4	22.78	8.17	-104.1	-224.5	3.1	6.3
4/1/04 22:30	22.28	80.993	8.21	69	48.37	22.782	8.12	-101.4	-191.6	3.1	6.2
4/1/04 23:00	22.28	82.28	7.6	69	48.35	22.754	8.09	-99.6	-138	3	6.9
4/1/04 23:30	22.27	81.652	6.58	67	48.34	22.755	7.98	-93.1	-100.5	3.1	6.3
4/2/04 0:00	22.26	81.418	5.81	66	48.35	22.762	7.92	-89.7	-68.2	3.1	6.3
4/2/04 0:30	22.27	81.791	5.12	65	48.3	22.728	7.89	-87.8	-40.7	3.2	6.5
4/2/04 1:00	22.18	82.846	5.07	65	48.32	22.726	7.9	-88.3	-31.1	3.1	6.4
4/2/04 1:30	22.1	81.141	5.12	65	48.27	22.714	7.9	-88.7	-28.1	3.2	6.5
4/2/04 2:00	22.08	82.859	4.91	64	48.25	22.678	7.89	-88.2	-26.1	3.1	9.6
4/2/04 2:30	22.05	81.433	5.01	65	48.27	22.709	7.9	-88.6	-25.1	3.3	14.8
4/2/04 3:00	22.03	79.862	4.88	65	48.25	22.712	7.89	-87.6	-24.5	3	6.4
4/2/04 3:30	22.03	81.97	4.72	65	48.27	22.698	7.87	-86.5	-23	3.3	6.4
4/2/04 4:00	22.03	82.665	4.59	64	48.23	22.666	7.85	-85.8	-22.4	3.3	6.8
4/2/04 4:30	22.04	81.032	4.57	64	48.25	22.701	7.84	-85.3	-21.4	3.1	9.4
4/2/04 5:00	22.06	82.346	4.5	64	48.22	22.665	7.85	-85.9	-21.3	3.1	6.4
4/2/04 5:30	22.08	81.923	4.4	64	48.2	22.653	7.83	-84.2	-20.6	3.1	6.4
4/2/04 6:00	22.13	83.15	4.79	64	48.18	22.625	7.9	-88.5	-19.8	3.2	6.4
4/2/04 6:30	22.12	82.315	4.9	65	48.13	22.603	7.9	-88.7	-19.8	3.1	6.4
4/2/04 7:00	22.12	82.097	4.81	64	48.11	22.594	7.89	-88.1	-19.4	3.1	6.7
4/2/04 7:30	22.11	82.848	4.73	64	48.06	22.55	7.89	-88.1	-19.2	3.2	6.4
4/2/04 8:00	22.1	82.97	4.77	64	48.03	22.522	7.9	-88.3	-18.9	3.3	6.5
4/2/04 8:30	22.1	81.079	4.59	64	47.97	22.511	7.88	-87.2	-18.8	3.2	6.4
4/2/04 9:00	22.1	81.042	4.68	64	47.96	22.505	7.87	-86.9	-17.8	3.1	6.5
4/2/04 9:30	22.11	81.812	4.21	64	47.93	22.475	7.87	-86.7	-18	3.1	6.3
4/2/04 10:00	22.12	84.64	4.48	64	47.89	22.407	7.86	-86.5	-17.5	3.1	6.4
4/2/04 10:30	22.12	82.458	4.49	64	47.87	22.42	7.86	-86	-17.6	3.1	6.4
4/2/04 11:00	22.14	81.094	4.46	64	47.86	22.436	7.84	-85	-16.5	3.3	6.5
4/2/04 11:30	22.14	82.973	4.48	64	47.86	22.411	7.86	-86.2	-17	3.2	6.8
4/2/04 12:00	22.16	80.625	4.56	64	47.85	22.434	7.86	-86.1	-16.8	3	7.3
4/2/04 12:30	22.16	82.588	4.77	64	47.87	22.422	7.85	-85.9	-32.1	3.2	7.1
4/2/04 13:00	22.18	81.849	5.46	65	47.89	22.443	7.89	-87.9	-55.6	3.3	6.5
4/2/04 13:30	22.19	85.553	6.83	66	47.92	22.418	7.94	-90.7	-92.9	3.2	6.4

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/2/04 14:00	22.22	80.414	8.91	69	47.95	22.508	8.02	-95.2	-178.7	3.2	6.4
4/2/04 14:30	22.23	81.536	8.96	69	48.01	22.53	8.04	-96.6	-236.1	3.2	6.5
4/2/04 15:00	22.23	84.892	8.15	69	48.05	22.512	8.01	-95.1	-164.3	3.3	6.4
4/2/04 15:30	22.27	82.34	9.8	69	48.11	22.586	8.06	-98	-251.3	3.1	6.4
4/2/04 16:00	22.26	82.365	9.47	69	48.16	22.621	8.07	-98.1	-275.9	3.2	6.4
4/2/04 16:30	22.27	81.616	10.3	70	48.19	22.655	8.12	-101	-277	3.1	6.4
4/2/04 17:00	22.29	82.174	10.13	70	48.25	22.688	8.08	-98.7	-360.6	3.1	6.3
4/2/04 17:30	22.32	82.929	10.16	70	48.28	22.695	8.11	-100.8	-400.5	3.2	7.2
4/2/04 18:00	22.35	82.373	10.38	71	48.3	22.717	8.15	-102.8	-360.9	3.1	6.4
4/2/04 18:30	22.34	81.595	10.35	70	48.32	22.742	8.13	-102	-360.4	3	6.6
4/2/04 19:00	22.35	81.705	9.64	69	48.35	22.762	8.11	-100.9	-386.4	3.1	6.4
4/2/04 19:30	22.37	80.978	9.83	70	48.41	22.813	8.13	-101.8	-374	3.1	55.2
4/2/04 20:00	22.36	81.237	9.28	69	48.36	22.772	8.1	-100	-367.1	3.2	6.5
4/2/04 20:30	22.3	82.009	7.78	67	48.44	22.818	8.07	-98.2	-323.1	3.1	74.2
4/2/04 21:00	22.29	82.016	8.19	69	48.39	22.782	8.07	-98.3	-306.2	3.1	7.2
4/2/04 21:30	22.3	82.575	8.02	69	48.35	22.748	8.08	-98.6	-268.4	3.1	6.8
4/2/04 22:00	22.29	84.24	7.64	67	48.39	22.753	8.06	-97.8	-236.5	3.1	6.5
4/2/04 22:30	22.25	82.277	7.06	67	48.3	22.717	8.03	-96.3	-184.2	3.1	6.4
4/2/04 23:00	22.25	82.746	6.51	65	48.33	22.735	8	-94.3	-143.9	3.2	6.8
4/2/04 23:30	22.23	83.411	6.25	65	48.34	22.729	7.96	-91.8	-89.1	3	7
4/3/04 0:00	22.22	82.987	5.7	65	48.31	22.713	7.92	-89.8	-64.7	3.1	6.4
4/3/04 0:30	22.22	82.782	5.39	64	48.32	22.726	7.9	-88.6	-41.8	3.2	6.4
4/3/04 1:00	22.21	84.638	5.13	65	48.33	22.705	7.89	-88.2	-32.2	3.2	6.3
4/3/04 1:30	22.2	83.478	5.07	64	48.27	22.678	7.89	-88	-29.5	3.2	6.7
4/3/04 2:00	22.2	84.92	4.94	64	48.36	22.719	7.89	-88	-27.8	3.2	6.6
4/3/04 2:30	22.21	84.074	4.97	64	48.39	22.754	7.89	-87.8	-26.6	3.2	6.5
4/3/04 3:00	22.21	83.938	4.9	64	48.38	22.751	7.88	-87.5	-25.3	3.1	6.7
4/3/04 3:30	22.22	84.152	4.93	64	48.37	22.739	7.89	-87.9	-24.5	3.1	6.8
4/3/04 4:00	22.23	84.634	4.84	64	48.32	22.696	7.88	-87.6	-23.4	3	6.4
4/3/04 4:30	22.23	83.873	4.8	64	48.36	22.739	7.88	-87.5	-22.1	3.1	6.8
4/3/04 5:00	22.24	83.943	4.85	64	48.36	22.734	7.89	-87.6	-21.6	3.1	6.7
4/3/04 5:30	22.24	84.221	4.78	64	48.37	22.74	7.88	-87.3	-21.4	3.2	6.3
4/3/04 6:00	22.25	85.841	4.79	64	48.36	22.707	7.88	-87.6	-21.1	3.1	6.5
4/3/04 6:30	22.26	86.273	4.74	64	48.39	22.725	7.89	-87.7	-20.6	3.1	6.4
4/3/04 7:00	22.25	85.775	4.65	63	48.34	22.696	7.88	-87.5	-20.1	3.2	6.5
4/3/04 7:30	22.24	86.971	4.6	64	48.25	22.617	7.88	-87.3	-19.5	3.1	6.3
4/3/04 8:00	22.25	86.033	4.6	64	48.26	22.64	7.87	-86.5	-19.1	3.2	6.5
4/3/04 8:30	22.18	86.693	4.55	64	48.23	22.611	7.88	-87.2	-18.8	3.1	6.5
4/3/04 9:00	22.19	87.142	4.56	64	48.21	22.586	7.88	-87.5	-17.6	3.2	14
4/3/04 9:30	22.16	86.826	4.63	63	48.11	22.523	7.89	-87.8	-17.7	3.1	6.5
4/3/04 10:00	22.17	88.221	4.57	64	48.12	22.516	7.87	-86.9	-17.4	3.2	6.2
4/3/04 10:30	22.19	88.209	4.64	64	48.06	22.474	7.88	-87.2	-17.3	3	6.4
4/3/04 11:00	22.19	88.407	4.59	63	48.1	22.499	7.88	-87.1	-17	3.1	6.5
4/3/04 11:30	22.19	88.317	4.61	64	47.98	22.418	7.88	-87.6	-17	3.2	6.5
4/3/04 12:00	22.19	88.882	4.52	64	48.02	22.434	7.88	-87.5	-16.7	3.1	9.2
4/3/04 12:30	22.2	88.883	4.54	63	47.99	22.417	7.88	-87.6	-21.8	3	6.5
4/3/04 13:00	22.2	88.213	4.66	64	47.98	22.422	7.89	-87.8	-28.4	3.1	6.6
4/3/04 13:30	22.2	89.528	4.89	64	47.9	22.35	7.9	-88.7	-52.5	3.2	6.3
4/3/04 14:00	22.23	93.858	5.33	64	48.02	22.371	7.92	-89.5	-87.5	3.1	6.6
4/3/04 14:30	22.24	89.703	5.9	66	48.02	22.427	7.92	-90	-116.9	3.2	6.5
4/3/04 15:00	22.25	89.18	6.38	66	48.08	22.477	7.94	-91	-157.5	3.2	6.4
4/3/04 15:30	22.27	89.025	6.94	66	48.05	22.458	7.96	-92.2	-182	3	6.6
4/3/04 16:00	22.25	89.544	7.41	67	48.13	22.5	7.98	-92.9	-201.3	3.1	6.7
4/3/04 16:30	22.2	88.963	8.1	69	48.08	22.477	7.99	-93.9	-302.2	3.1	7.9
4/3/04 17:00	22.19	89.298	8.25	69	48.1	22.483	8.01	-94.8	-302.1	2.9	6.4
4/3/04 17:30	22.22	89.922	8.1	69	48.17	22.525	8.02	-95.5	-324.9	3.1	7
4/3/04 18:00	22.22	89.799	7.74	67	48.22	22.562	8.02	-95.3	-253.6	3.1	6.5
4/3/04 18:30	22.26	88.273	8.24	67	48.21	22.571	8.04	-96.6	-342.5	3.2	6.4
4/3/04 19:00	22.26	88.51	8.13	69	48.3	22.632	8.04	-96.7	-407	3.1	6.4
4/3/04 19:30	22.27	89.362	7.64	67	48.32	22.633	8.03	-95.9	-211.5	3.1	6.5
4/3/04 20:00	22.27	89.225	7.57	69	48.3	22.622	8.02	-95.3	-305.8	3.3	6.3
4/3/04 20:30	22.27	89.881	7.64	67	48.23	22.565	8.05	-97.4	-325.9	3.1	6.4
4/3/04 21:00	22.28	94.139	7.15	67	48.26	22.528	8.04	-96.3	-335	3.1	6.4
4/3/04 21:30	22.27	94.915	6.72	66	48.25	22.507	7.99	-93.7	-210.6	3	6.5
4/3/04 22:00	22.28	90.225	6.64	66	48.29	22.603	8	-94.5	-231.8	3.2	6.6

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/3/04 22:30	22.3	89.463	6.38	66	48.21	22.559	7.99	-93.4	-185.9	3.2	6.5
4/3/04 23:00	22.3	89.757	6.1	66	48.11	22.486	7.97	-92.5	-141.7	3.1	6.4
4/3/04 23:30	22.28	90.698	5.79	65	48.17	22.513	7.95	-91.4	-103.5	3.2	6.6
4/4/04 0:00	22.26	88.846	5.59	65	48.06	22.467	7.93	-90.5	-72.1	2.9	6.3
4/4/04 0:30	22.28	89.551	5.31	65	48.09	22.478	7.92	-89.7	-46.6	3.1	6.4
4/4/04 1:00	22.3	90.064	5.15	64	48.08	22.464	7.91	-89.4	-35.5	3	6.4
4/4/04 1:30	22.31	89.463	5.15	65	48.08	22.468	7.91	-89.4	-32.3	3.2	6.2
4/4/04 2:00	22.33	89.377	5.12	65	48.16	22.523	7.92	-89.4	-30	3.1	6.5
4/4/04 2:30	22.36	90.541	5.04	64	48.1	22.471	7.91	-89.1	-28.1	3	6.4
4/4/04 3:00	22.37	90.232	5.01	64	48.17	22.523	7.91	-89.2	-27.1	3.2	6.4
4/4/04 3:30	22.37	90.502	4.98	64	48.16	22.511	7.91	-89.2	-25.9	3	6.3
4/4/04 4:00	22.36	90.236	4.94	64	48.33	22.631	7.91	-89.4	-24.9	3.1	6.5
4/4/04 4:30	22.42	91.627	4.92	64	48.31	22.594	7.91	-89.2	-23.8	3.1	6.5
4/4/04 5:00	22.47	89.824	4.94	64	48.28	22.598	7.91	-89.3	-23.3	3.1	6.2
4/4/04 5:30	22.46	93.409	4.87	64	48.3	22.567	7.91	-89.3	-22.9	3.1	6.5
4/4/04 6:00	22.48	91.092	4.9	64	48.42	22.677	7.91	-89.2	-22.2	3.2	6.7
4/4/04 6:30	22.53	94.017	4.79	65	48.31	22.562	7.91	-89.1	-20.8	3.1	6.5
4/4/04 7:00	22.52	92.075	4.78	64	48.35	22.62	7.9	-88.7	-21.1	3	6.5
4/4/04 7:30	22.54	91.572	4.83	64	48.42	22.672	7.91	-89	-20.1	2.9	6.5
4/4/04 8:00	22.53	92.601	4.76	64	48.31	22.585	7.91	-89.2	-20.1	3.1	6.6
4/4/04 8:30	22.52	92.225	4.75	64	48.41	22.652	7.9	-88.8	-20	3.1	6.5
4/4/04 9:00	22.53	92.397	4.72	64	48.28	22.563	7.9	-88.6	-19.8	3.2	6.8
4/4/04 9:30	22.54	91.958	4.7	63	48.24	22.545	7.9	-88.3	-19.3	3.1	6.4
4/4/04 10:00	22.55	92.612	4.7	64	48.24	22.533	7.9	-88.6	-18.9	3.2	6.3
4/4/04 10:30	22.55	92.511	4.68	63	48.21	22.52	7.9	-88.4	-18.8	3	6.7
4/4/04 11:00	22.55	92.243	4.65	64	48.19	22.506	7.9	-88.7	-18.2	3.1	11.3
4/4/04 11:30	22.55	91.643	4.66	63	48.13	22.474	7.9	-88.3	-18	3	6.4
4/4/04 12:00	22.56	91.866	4.65	64	48.18	22.503	7.9	-88.6	-18.9	3	6.5
4/4/04 12:30	22.56	90.855	4.83	64	48.16	22.503	7.9	-88.7	-36.5	3.3	120.3
4/4/04 13:00	22.51	92.648	5.15	65	48.09	22.438	7.91	-89	-67.7	3.1	6.4
4/4/04 13:30	22.51	92.137	5.85	65	48.12	22.463	7.93	-90.1	-106.5	3.1	6.5
4/4/04 14:00	22.5	96.334	6.17	65	48.11	22.393	7.95	-91.3	-144.3	3.2	6.6
4/4/04 14:30	22.42	91.679	6.2	65	48.2	22.523	7.93	-90.2	-184.3	3.2	6.6
4/4/04 15:00	22.36	92.112	6.7	66	48.09	22.443	7.95	-91.3	-211.5	3	6.8
4/4/04 15:30	22.29	91.961	6.96	66	48.13	22.472	7.96	-91.7	-251.8	3.1	6.5
4/4/04 16:00	22.24	92.088	6.59	66	48.16	22.487	7.96	-91.9	-281.5	3.1	6.5
4/4/04 16:30	22.24	95.657	7.41	67	48.22	22.48	8	-94.4	-304.1	3.2	10.3
4/4/04 17:00	22.24	92.397	7.68	67	48.29	22.569	8	-94.4	-334.3	3	7.4
4/4/04 17:30	22.26	92.762	7.73	67	48.25	22.536	8.01	-94.7	-362.8	3.1	6.7
4/4/04 18:00	22.29	99.842	7.49	67	48.26	22.442	8.02	-95.6	-338.9	3.1	6.7
4/4/04 18:30	22.29	92.405	7.84	67	48.28	22.562	8.04	-96.3	-368.8	3.1	7.2
4/4/04 19:00	22.3	92.654	8.01	67	48.29	22.564	8.04	-96.3	-353.3	3	6.3
4/4/04 19:30	22.34	94.569	7.36	67	48.31	22.555	8.02	-95.3	-356.1	3.2	7.8
4/4/04 20:00	22.35	92.719	7.65	67	48.32	22.585	8.03	-96.3	-347.5	3.1	6.7
4/4/04 20:30	22.4	93.116	7.53	67	48.28	22.551	8.05	-97	-325.3	3.1	9.7
4/4/04 21:00	22.45	99.434	7.09	67	48.17	22.392	8.04	-96.4	-281.6	3.1	6.5
4/4/04 21:30	22.44	97.033	6.94	66	48.24	22.47	8.03	-96	-227.2	3.1	6.5
4/4/04 22:00	22.39	96.985	6.62	66	48.19	22.439	8.02	-95.3	-198.4	3.2	6.5
4/4/04 22:30	22.39	98.426	6.34	65	48.18	22.412	8	-94.2	-166.9	3.1	7.3
4/4/04 23:00	22.37	92.713	5.95	65	48.12	22.454	7.97	-92.3	-132.5	3.2	6.5
4/4/04 23:30	22.35	96.692	5.62	65	48.1	22.382	7.95	-91.6	-101.5	2.9	7
4/5/04 0:00	22.37	92.93	5.43	64	48.13	22.455	7.93	-90.5	-69.2	3	6.7
4/5/04 0:30	22.38	97.462	4.99	64	48.05	22.341	7.91	-89.4	-44.5	3.1	6.5
4/5/04 1:00	22.38	93.453	4.91	63	48.03	22.385	7.91	-89.2	-35.2	3.1	7.5
4/5/04 1:30	22.38	98.971	4.74	63	48.07	22.33	7.91	-89.2	-31.7	3.1	6.6
4/5/04 2:00	22.37	93.914	4.79	64	48.1	22.419	7.91	-89.4	-29.7	3.1	6.8
4/5/04 2:30	22.38	92.532	4.8	63	48.05	22.408	7.9	-88.7	-28.5	3.2	6.5
4/5/04 3:00	22.4	97.33	4.64	64	48.08	22.357	7.9	-88.8	-26.8	3.1	6.4
4/5/04 3:30	22.41	97.239	4.67	64	48.06	22.35	7.91	-88.9	-26	3.1	18.7
4/5/04 4:00	22.41	96.671	4.62	63	48.18	22.437	7.9	-88.4	-24.7	3.1	7
4/5/04 4:30	22.4	92.072	4.66	63	48.14	22.477	7.89	-88.1	-24.2	3	7.2
4/5/04 5:00	22.41	92.456	4.62	63	48.2	22.507	7.89	-88.3	-23.3	3	6.3
4/5/04 5:30	22.45	100.561	4.4	64	48.3	22.464	7.9	-88.4	-22.2	3	6.5
4/5/04 6:00	22.45	93.126	4.58	64	48.28	22.551	7.89	-88.1	-21.8	3.3	6.7
4/5/04 6:30	22.45	93.469	4.71	64	48.4	22.633	7.91	-89.4	-21.5	3.1	6.5

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/5/04 7:00	22.43	93.712	4.69	64	48.3	22.561	7.92	-89.5	-21	3.1	6.2
4/5/04 7:30	22.41	93.651	4.75	64	48.45	22.661	7.91	-89.3	-20.6	3.1	6.7
4/5/04 8:00	22.4	93.865	4.69	64	48.46	22.665	7.91	-89.1	-20.3	3.1	6.8
4/5/04 8:30	22.42	93.972	4.7	64	48.41	22.629	7.91	-89.2	-19.8	3.2	6.5
4/5/04 9:00	22.42	93.626	4.67	64	48.43	22.649	7.91	-89.1	-19.6	3.1	8.3
4/5/04 9:30	22.42	99.745	4.49	64	48.45	22.572	7.91	-89.1	-18.8	3	6.6
4/5/04 10:00	22.44	92.143	4.52	63	48.38	22.639	7.89	-88.2	-19.4	3.3	6.5
4/5/04 10:30	22.45	93.149	4.49	63	48.42	22.649	7.89	-88.3	-18.5	3	6.9
4/5/04 11:00	22.45	93.9	4.45	63	48.36	22.6	7.9	-88.5	-18.3	3.1	11.7
4/5/04 11:30	22.47	93.221	4.42	63	48.4	22.631	7.9	-88.3	-17.6	3.2	9
4/5/04 12:00	22.47	92.772	4.39	63	48.24	22.536	7.89	-88.2	-17.3	3.1	6.5
4/5/04 12:30	22.47	93.766	4.29	63	48.27	22.541	7.89	-87.8	-19.4	3.1	6.7
4/5/04 13:00	22.48	96.801	4.26	63	48.21	22.458	7.89	-88.2	-25.6	3.1	6.8
4/5/04 13:30	22.48	93.962	4.17	62	48.38	22.61	7.88	-87.5	-26.4	3.2	6.5
4/5/04 14:00	22.5	93.036	4.26	63	48.3	22.573	7.88	-87.6	-27.2	3.1	6.7
4/5/04 14:30	22.54	93.699	4.64	64	48.22	22.509	7.92	-89.7	-30.2	3.2	7.1
4/5/04 15:00	22.56	93.664	4.82	63	48.13	22.444	7.93	-90.2	-49.5	3.1	6.4
4/5/04 15:30	22.54	92.966	5.05	64	48.2	22.506	7.93	-90.4	-72.3	3.1	6.7
4/5/04 16:00	22.56	97.529	4.98	64	48.32	22.517	7.94	-90.6	-72.2	3	6.7
4/5/04 16:30	22.56	92.879	5.36	64	48.35	22.606	7.94	-91.1	-103.3	3.3	12.2
4/5/04 17:00	22.55	93.108	5.46	64	48.36	22.606	7.95	-91.3	-110.3	3.2	6.8
4/5/04 17:30	22.58	97.868	5.34	64	48.28	22.487	7.95	-91.3	-108	3.2	6.7
4/5/04 18:00	22.57	94.128	5.51	64	48.43	22.645	7.95	-91.2	-119.1	3	6.5
4/5/04 18:30	22.58	94.277	5.38	64	48.31	22.561	7.94	-91.1	-93.4	3	8.7
4/5/04 19:00	22.61	94.199	5.46	64	48.38	22.61	7.95	-91.2	-145.9	3.2	7.9
4/5/04 19:30	22.6	94.097	5.51	64	48.05	22.391	7.94	-91.1	-118.7	3.2	7.6
4/5/04 20:00	22.63	93.865	5.68	65	48.37	22.607	7.95	-91.4	-164.2	2.9	6.7
4/5/04 20:30	22.64	93.989	5.9	65	48.23	22.511	7.96	-91.9	-193.6	3.1	6.7
4/5/04 21:00	22.65	93.34	5.96	65	48.07	22.409	7.97	-92.7	-276.4	3.1	6.8
4/5/04 21:30	22.67	93.925	5.83	64	48.09	22.416	7.97	-92.9	-234.9	3	6.8
4/5/04 22:00	22.68	100.062	5.29	64	48.33	22.491	7.94	-90.7	-105.5	3	8.1
4/5/04 22:30	22.64	93.584	5.47	65	48.25	22.531	7.93	-90.5	-104.3	3	6.8
4/5/04 23:00	22.64	93.377	5.15	64	48.06	22.406	7.92	-89.9	-64.6	3.1	6.4
4/5/04 23:30	22.65	92.804	5.12	64	48.04	22.399	7.93	-90.6	-60	3	6.7
4/6/04 0:00	22.64	95.24	5.06	64	48.14	22.43	7.94	-90.9	-42	3.1	7.3
4/6/04 0:30	22.62	96.336	4.96	64	48.07	22.371	7.94	-90.8	-34.9	3	8.3
4/6/04 1:00	22.62	92.266	4.92	64	48.09	22.438	7.93	-90.3	-30	3	7.7
4/6/04 1:30	22.62	91.492	4.88	64	47.83	22.275	7.93	-90.1	-27.9	3	6.8
4/6/04 2:00	22.61	93.149	4.75	64	47.72	22.181	7.92	-90	-26.6	3	6.4
4/6/04 2:30	22.61	97.386	4.68	64	47.92	22.256	7.93	-90.1	-25.2	3	6.9
4/6/04 3:00	22.64	92.909	4.74	64	48.06	22.414	7.92	-90	-24.2	3.1	6.7
4/6/04 3:30	22.64	91.917	4.73	64	48.09	22.448	7.92	-89.7	-23.3	3	9.5
4/6/04 4:00	22.65	91.608	4.66	63	47.88	22.31	7.92	-89.5	-22	3	6.7
4/6/04 4:30	22.65	93.301	4.59	63	48.18	22.483	7.92	-89.7	-21.3	3	6.7
4/6/04 5:00	22.66	90.723	4.67	63	48.13	22.488	7.92	-89.8	-21.1	3	7.3
4/6/04 5:30	22.64	94.341	4.6	63	48.05	22.387	7.92	-89.9	-20.4	3.1	17.1
4/6/04 6:00	22.63	90.733	4.75	64	48.11	22.472	7.93	-90	-20.6	3	6.5
4/6/04 6:30	22.66	93.546	4.57	63	48.36	22.604	7.92	-89.8	-19.7	3.1	161.2
4/6/04 7:00	22.61	90.84	4.68	63	48.44	22.693	7.92	-89.8	-19.7	3	6.8
4/6/04 7:30	22.64	93.297	4.59	63	48.35	22.603	7.92	-89.8	-18.5	3.2	6.7
4/6/04 8:00	22.61	90.697	4.62	63	48.25	22.571	7.92	-89.5	-19.2	3	11.5
4/6/04 8:30	22.62	90.735	4.54	63	48.62	22.817	7.91	-89.2	-18.8	3	8.1
4/6/04 9:00	22.65	93.166	4.44	63	48.42	22.648	7.91	-88.9	-18.3	3.1	6.4
4/6/04 9:30	22.63	93.316	4.42	63	48.23	22.52	7.9	-88.8	-18	3	6.3
4/6/04 10:00	22.79	94.509	4.29	62	48.55	22.721	7.9	-88.8	-16	3.2	16.5
4/6/04 10:30	22.81	94.824	4.27	63	48.65	22.782	7.9	-88.8	-14.7	3	6.7
4/6/04 11:00	22.83	97.583	4.12	63	48.6	22.71	7.9	-88.4	-14.3	3.2	10.1
4/6/04 11:30	22.84	97.325	4.15	63	48.68	22.764	7.9	-88.4	-14.2	3.1	11.5
4/6/04 12:00	22.82	96.84	4.16	63	48.32	22.529	7.89	-88.1	-17.1	3	14.1
4/6/04 12:30	22.79	93.905	4.18	62	48.61	22.768	7.88	-87.6	-21.5	3.2	6.8
4/6/04 13:00	22.77	91.805	4.23	62	48.91	23.002	7.88	-87.6	-36.6	3	6.8
4/6/04 13:30	22.79	92.123	4.27	62	48.19	22.512	7.88	-87.3	-49	3.1	6.2
4/6/04 14:00	22.83	94.028	4.32	62	48.59	22.754	7.88	-87.6	-62.4	3.2	6.5
4/6/04 14:30	22.84	97.075	4.57	63	48.54	22.677	7.9	-88.6	-99.1	3	6.7
4/6/04 15:00	22.87	93.85	5.06	64	48.15	22.462	7.91	-89.4	-171.6	3.1	6.4

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/6/04 15:30	22.88	90.944	5.4	64	48.23	22.556	7.92	-89.9	-234.3	3.1	6.7
4/6/04 16:00	22.95	93.592	5.61	64	48.28	22.548	7.94	-90.8	-233.4	3.1	19.7
4/6/04 16:30	22.99	91.296	5.76	64	48.32	22.614	7.95	-91.2	-159	3.1	464.3
4/6/04 17:00	22.99	92.393	5.82	64	48.38	22.635	7.95	-91.6	-257.8	3.1	7.5
4/6/04 17:30	23	95.837	5.88	64	48.2	22.468	7.95	-91.6	-241.1	3.1	6.3
4/6/04 18:00	23	95.515	5.89	64	48.23	22.489	7.95	-91.4	-211.1	3.1	6.2
4/6/04 18:30	22.97	93.563	5.63	64	48.37	22.611	7.94	-90.7	-149.7	3.1	7.8
4/6/04 19:00	22.94	94.298	5.62	64	48.3	22.553	7.94	-90.9	-173.5	3.2	6.9
4/6/04 19:30	22.91	92.194	5.65	63	48.31	22.592	7.94	-90.7	-145.1	3.1	10.4
4/6/04 20:00	22.87	93.663	5.39	64	48.39	22.624	7.93	-90.1	-106.5	3.2	6.7
4/6/04 20:30	22.85	93.464	5.31	63	48.17	22.482	7.92	-90	-89.1	3.2	7.6
4/6/04 21:00	22.84	91.284	5.37	63	48.21	22.534	7.92	-90	-92.4	3.1	6.2
4/6/04 21:30	22.86	97.031	4.98	63	48.21	22.454	7.92	-89.7	-58.1	3.2	7.1
4/6/04 22:00	22.89	96.683	4.83	62	48.37	22.568	7.91	-89.3	-39.1	3.1	6.6
4/6/04 22:30	22.88	96.899	4.78	62	48.3	22.521	7.91	-89.2	-46.9	3.2	6.7
4/6/04 23:00	22.84	94.198	4.7	62	47.94	22.316	7.91	-89.1	-40.8	3.2	6.6
4/6/04 23:30	22.8	93.641	4.59	62	48.03	22.383	7.9	-88.6	-31.5	3.2	6.8
4/7/04 0:00	22.78	93.295	4.57	62	47.94	22.325	7.89	-88.1	-31.3	3.3	10.9
4/7/04 0:30	22.76	93.135	4.52	62	47.82	22.245	7.89	-87.8	-29.3	3.2	10.3
4/7/04 1:00	22.75	94.85	4.41	62	48	22.347	7.88	-87.5	-27.4	3.1	7.2
4/7/04 1:30	22.75	96.337	4.32	62	47.8	22.191	7.88	-87.3	-26.6	3.1	7.5
4/7/04 2:00	22.75	95.916	4.27	62	47.78	22.185	7.87	-87	-26	3.2	6.2
4/7/04 2:30	22.75	95.644	4.21	62	47.82	22.211	7.87	-86.8	-25.2	3	12
4/7/04 3:00	22.75	95.721	4.11	61	47.83	22.217	7.86	-86.4	-24.4	3.2	8.6
4/7/04 3:30	22.78	95.676	4.01	61	47.81	22.208	7.86	-86.2	-24	3.3	7.5
4/7/04 4:00	22.77	94.841	3.94	61	47.87	22.255	7.85	-85.8	-24.2	3.1	8.6
4/7/04 4:30	22.77	95.446	3.85	61	47.87	22.246	7.85	-85.5	-24	3	7
4/7/04 5:00	22.76	93.895	3.82	61	47.96	22.334	7.84	-85.3	-23.1	3.1	7.7
4/7/04 5:30	22.77	92.362	3.75	61	47.97	22.36	7.83	-84.8	-23.2	3.1	8.9
4/7/04 6:00	22.76	96.223	3.67	60	48.15	22.423	7.83	-84.8	-23.1	3.1	9
4/7/04 6:30	22.77	93.248	3.64	61	48.11	22.442	7.83	-84.5	-22.5	3.1	7.4
4/7/04 7:00	22.77	92.65	3.59	60	48.17	22.491	7.82	-84.2	-22.6	3.2	7.2
4/7/04 7:30	22.79	95.832	3.53	61	48.13	22.42	7.83	-84.4	-22.5	3	6.5
4/7/04 8:00	22.8	95.314	3.59	61	48.27	22.518	7.83	-84.5	-22	3.1	7.1
4/7/04 8:30	22.85	92.619	3.98	61	48.55	22.745	7.86	-86.4	-21.5	3	7.4
4/7/04 9:00	22.89	91.895	4.27	61	48.3	22.586	7.88	-87.6	-22	3.2	6.5
4/7/04 9:30	22.79	92.763	3.87	61	48.43	22.664	7.84	-85.4	-21.6	3.3	10.8
4/7/04 10:00	22.69	92.217	3.86	61	48.56	22.758	7.84	-85.3	-21.6	3.2	7.8
4/7/04 10:30	22.66	92.511	3.78	61	48.59	22.771	7.84	-84.9	-21.2	3.1	6.5
4/7/04 11:00	22.65	92.631	3.76	60	48.62	22.789	7.84	-84.9	-21.2	3	7
4/7/04 11:30	22.66	93.463	3.69	61	48.6	22.766	7.83	-84.6	-20.9	3.1	18.9
4/7/04 12:00	22.64	91.745	3.74	60	48.53	22.744	7.83	-84.5	-22	3.2	7.6
4/7/04 12:30	22.66	92.534	3.71	60	48.57	22.757	7.83	-84.3	-34.7	3	7.9
4/7/04 13:00	22.63	92.112	4.05	61	48.48	22.706	7.84	-85.2	-54.7	3.2	6.7
4/7/04 13:30	22.74	95.473	4.61	62	48.45	22.639	7.88	-87.6	-85	3.1	6.3
4/7/04 14:00	22.74	93.623	4.98	62	48.48	22.681	7.89	-88	-109.2	3.2	7
4/7/04 14:30	22.76	92.683	5.24	62	48.49	22.703	7.89	-88.1	-135.4	3.3	6.8
4/7/04 15:00	22.83	94.63	5.78	63	48.49	22.675	7.92	-89.7	-153.7	3.1	6.7
4/7/04 15:30	22.84	95.462	5.87	63	48.49	22.667	7.94	-90.8	-183	3.1	9.7
4/7/04 16:00	22.82	95.296	6.09	64	48.42	22.619	7.95	-91.4	-210.7	3.2	22.5
4/7/04 16:30	22.8	92.25	6.52	64	48.4	22.648	7.95	-91.6	-217.6	3.3	14.4
4/7/04 17:00	22.83	92.66	6.48	64	48.38	22.628	7.95	-91.7	-245.1	3.1	12.5
4/7/04 17:30	22.84	92.992	6.5	63	48.37	22.62	7.95	-91.7	-238.7	3.1	16.2
4/7/04 18:00	22.84	94.663	6.61	64	48.29	22.54	7.97	-92.5	-203.8	3	6.5
4/7/04 18:30	22.86	92.914	6.66	64	48.4	22.639	7.98	-93	-283.4	3.2	18.3
4/7/04 19:00	22.9	91.873	6.59	64	48.12	22.471	7.96	-92.2	-266.3	3.2	6.2
4/7/04 19:30	22.88	92.91	6.19	63	48.3	22.573	7.96	-92.3	-247.2	3.1	7
4/7/04 20:00	22.84	92.869	5.86	63	48.29	22.565	7.94	-91.1	-244.4	3.2	7.2
4/7/04 20:30	22.78	92.117	5.58	62	48.27	22.565	7.93	-90.3	-185	3.1	11.2
4/7/04 21:00	22.76	92.493	5.85	63	48.17	22.493	7.95	-91.7	-263.4	3.1	7.1
4/7/04 21:30	22.71	93.089	5.7	63	48.13	22.457	7.95	-91.6	-242	3.1	7.2
4/7/04 22:00	22.7	92.951	5.67	63	48.11	22.447	7.96	-91.9	-174.5	3.2	9.4
4/7/04 22:30	22.68	92.408	5.61	62	48.12	22.459	7.94	-91.1	-141.9	3.1	8.3
4/7/04 23:00	22.64	92.777	5.42	62	47.86	22.281	7.94	-90.7	-115.7	3.2	7.2
4/7/04 23:30	22.67	92.263	5.27	62	47.95	22.347	7.92	-89.7	-87.9	3.1	8.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/8/04 0:00	22.66	92.618	5.14	62	47.75	22.208	7.91	-89.1	-65	3.2	6.4
4/8/04 0:30	22.64	92.882	4.95	62	47.79	22.232	7.9	-88.3	-46.3	3.1	18.4
4/8/04 1:00	22.65	92.092	4.75	62	47.81	22.257	7.89	-87.7	-37	3.2	7.5
4/8/04 1:30	22.67	91.998	4.7	61	47.67	22.165	7.88	-87.7	-33.6	3.2	8.5
4/8/04 2:00	22.65	92.754	4.5	61	47.67	22.154	7.87	-86.9	-32	3.1	10.7
4/8/04 2:30	22.67	92.79	4.43	61	47.59	22.098	7.87	-86.8	-30.3	3.2	7.5
4/8/04 3:00	22.66	92.227	4.38	61	47.73	22.196	7.86	-86.5	-28.4	3.2	7.5
4/8/04 3:30	22.66	91.441	4.31	61	47.61	22.13	7.86	-86.2	-27.8	3.1	8.4
4/8/04 4:00	22.66	91.983	4.34	61	47.73	22.203	7.86	-86.5	-26.7	3.2	9.4
4/8/04 4:30	22.67	94.554	4.04	60	47.63	22.097	7.84	-85.4	-25.9	3.1	13.1
4/8/04 5:00	22.66	92.524	3.99	61	47.64	22.133	7.84	-85.1	-25.3	3.1	7.2
4/8/04 5:30	22.66	92.071	3.96	61	47.7	22.179	7.84	-85.3	-24.8	3.1	6.5
4/8/04 6:00	22.68	92.658	3.91	61	47.73	22.196	7.84	-85.1	-23.7	3.2	9.9
4/8/04 6:30	22.69	92.509	3.79	61	47.93	22.331	7.83	-84.6	-23.6	3	8.7
4/8/04 7:00	22.67	94.116	3.64	60	47.91	22.292	7.82	-84.1	-23.5	3.2	7.4
4/8/04 7:30	22.71	92.004	3.44	60	47.99	22.38	7.8	-82.9	-23.1	3.1	10.8
4/8/04 8:00	22.69	90.944	3.46	60	48.08	22.453	7.81	-83.1	-22.5	3.2	15.1
4/8/04 8:30	22.71	91.652	3.4	60	48.12	22.466	7.8	-82.9	-22.5	3.3	8.1
4/8/04 9:00	22.69	92.322	3.38	60	48.28	22.566	7.8	-82.9	-21.9	3.1	7.7
4/8/04 9:30	22.72	91.97	3.27	60	48.32	22.599	7.79	-82.4	-21.3	3	42.3
4/8/04 10:00	22.71	91.236	3.03	59	48.38	22.651	7.77	-81.1	-21.4	3.2	6.7
4/8/04 10:30	22.74	91.514	3.23	60	48.41	22.668	7.79	-82.5	-21.1	3.1	10.6
4/8/04 11:00	22.81	90.896	3.8	60	48.48	22.72	7.84	-85.3	-21.2	3.2	13.6
4/8/04 11:30	22.82	91.07	4.42	61	48.54	22.757	7.89	-88	-21	3.1	8.2
4/8/04 12:00	22.84	92.307	4.51	61	48.56	22.759	7.9	-88.5	-21.8	3.1	12.8
4/8/04 12:30	22.85	91.095	4.67	62	48.6	22.802	7.9	-88.5	-37.3	3.1	6.8
4/8/04 13:00	22.87	92.064	4.66	62	48.64	22.813	7.9	-88.4	-52	3	11.2
4/8/04 13:30	22.87	92.123	4.99	61	48.63	22.81	7.91	-89	-96.6	3.1	6.8
4/8/04 14:00	22.89	90.774	5.06	62	48.62	22.816	7.91	-89.1	-102.8	3.3	11.6
4/8/04 14:30	22.88	90.179	5.39	63	48.7	22.883	7.92	-89.6	-124.9	3.1	12.8
4/8/04 15:00	22.9	93.258	5.69	63	48.69	22.83	7.93	-90.3	-165.8	3.1	13.1
4/8/04 15:30	22.84	90.713	5.66	63	48.68	22.859	7.92	-89.7	-209.4	3.1	8.4
4/8/04 16:00	22.88	92.157	5.96	63	48.63	22.806	7.94	-91.1	-203.6	3.1	7.3
4/8/04 16:30	22.85	91.476	5.94	63	48.49	22.72	7.94	-91.1	-222.2	3.1	6.8
4/8/04 17:00	22.85	91.151	6.29	63	48.55	22.767	7.96	-92	-268.4	3.1	6.8
4/8/04 17:30	22.89	92.766	6.32	63	48.55	22.742	7.96	-92	-194.1	3.1	13
4/8/04 18:00	22.91	92.881	6.43	64	48.52	22.722	7.97	-92.5	-246.5	3.1	8
4/8/04 18:30	22.91	91.824	6.46	63	48.46	22.694	7.98	-93.1	-251.2	3.1	6.7
4/8/04 19:00	22.86	92.426	6.07	63	48.34	22.609	7.96	-92.2	-280.4	3.2	6.8
4/8/04 19:30	22.83	92.565	6.25	62	48.37	22.624	7.97	-93	-255.2	3.2	7.1
4/8/04 20:00	22.83	92.333	5.94	62	48.42	22.66	7.97	-92.7	-235.8	3.2	12.4
4/8/04 20:30	22.85	92.267	6.13	62	48.29	22.579	7.98	-93.1	-213.1	3.1	7.3
4/8/04 21:00	22.85	90.899	6.12	63	48.2	22.535	7.98	-93.5	-210.6	3.2	6.8
4/8/04 21:30	22.88	92.84	5.92	63	48.22	22.524	7.98	-93.3	-185.8	3.2	6.4
4/8/04 22:00	22.88	93.462	5.83	63	48.13	22.454	7.97	-92.8	-136.2	3.1	7
4/8/04 22:30	22.86	92.766	5.66	63	48.26	22.552	7.95	-91.7	-129.4	3	8.2
4/8/04 23:00	22.86	91.831	5.59	62	48.15	22.487	7.94	-91.1	-115.5	3.1	9.4
4/8/04 23:30	22.86	90.903	5.35	62	48.06	22.438	7.92	-89.8	-76.2	3	9.6
4/9/04 0:00	22.86	92.429	5.11	61	47.98	22.365	7.91	-89.2	-57.7	3.1	7.3
4/9/04 0:30	22.83	89.991	4.95	61	47.91	22.351	7.9	-88.4	-43.1	3.2	8.4
4/9/04 1:00	22.83	92.383	4.79	61	47.79	22.239	7.9	-88.3	-35.7	3.2	13.5
4/9/04 1:30	22.79	92.621	4.69	62	47.76	22.218	7.89	-88.1	-33.6	3.1	15.6
4/9/04 2:00	22.76	90.039	4.74	61	47.73	22.231	7.89	-88.1	-31.9	3.1	8.4
4/9/04 2:30	22.75	91.117	4.68	61	47.64	22.154	7.89	-88.2	-30.1	3.1	8
4/9/04 3:00	22.74	90.269	4.71	62	47.61	22.148	7.89	-88	-29.3	3.3	8.2
4/9/04 3:30	22.72	91.419	4.6	61	47.62	22.137	7.89	-88	-27.9	3.2	7.1
4/9/04 4:00	22.71	90.801	4.62	61	47.61	22.136	7.89	-88	-27.2	3.1	8.4
4/9/04 4:30	22.68	90.442	4.63	61	47.55	22.103	7.89	-88	-26.4	3	7.4
4/9/04 5:00	22.65	92.266	4.64	61	47.55	22.075	7.9	-88.3	-24.9	3.3	8.4
4/9/04 5:30	22.64	92.098	4.64	61	47.62	22.128	7.89	-88.3	-24.8	3.1	8.6
4/9/04 6:00	22.58	93.204	4.61	61	47.73	22.184	7.9	-88.4	-24.1	3.1	8.4
4/9/04 6:30	22.53	92.67	4.6	61	47.67	22.151	7.9	-88.4	-23.6	3.1	8.4
4/9/04 7:00	22.5	95.48	4.58	61	47.82	22.216	7.9	-88.6	-23	3	6.7
4/9/04 7:30	22.47	92.661	4.64	61	47.79	22.229	7.9	-88.6	-23	3	6.8
4/9/04 8:00	22.48	93.118	4.56	61	47.88	22.287	7.89	-88.3	-22.6	3.1	7.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/9/04 8:30	22.47	91.763	4.53	61	47.92	22.332	7.89	-88	-22.3	3.1	7.9
4/9/04 9:00	22.48	92.396	4.48	61	48.13	22.461	7.89	-87.8	-21.8	3.2	7.3
4/9/04 9:30	22.49	92.707	4.33	61	48.14	22.464	7.88	-87.2	-21.2	3.2	7.7
4/9/04 10:00	22.48	90.847	4.33	61	48.24	22.559	7.87	-87	-21.2	3	7.2
4/9/04 10:30	22.49	106.72	3.89	61	48.33	22.391	7.87	-86.5	-20.6	3.2	7.6
4/9/04 11:00	22.47	105.189	3.77	61	48.37	22.44	7.85	-85.9	-20.5	3.1	7.5
4/9/04 11:30	22.48	108.799	3.65	60	48.48	22.461	7.85	-85.7	-20.5	3.1	7.5
4/9/04 12:00	22.5	106.529	3.65	60	48.57	22.556	7.85	-85.4	-21.7	3	7.6
4/9/04 12:30	22.51	106.629	3.71	60	48.59	22.567	7.84	-85.2	-34.8	2.9	7.3
4/9/04 13:00	22.51	106.334	4.01	61	48.67	22.623	7.85	-85.8	-59.4	3	7.8
4/9/04 13:30	22.52	108.5	4.54	62	48.69	22.604	7.86	-86.4	-86.1	3.1	7.5
4/9/04 14:00	22.52	110.144	4.69	62	48.7	22.589	7.87	-86.8	-106.8	3.1	7.8
4/9/04 14:30	22.56	107.74	5.22	62	48.74	22.651	7.88	-87.5	-140.7	3.2	8.4
4/9/04 15:00	22.57	112.321	5.15	63	48.73	22.578	7.89	-88.1	-166.5	3.1	7.3
4/9/04 15:30	22.63	110.045	5.02	62	48.73	22.614	7.89	-87.8	-156.8	3.2	7.3
4/9/04 16:00	22.66	113.779	5.48	63	48.69	22.527	7.91	-89.3	-222.1	3.2	7
4/9/04 16:30	22.85	113	5.97	64	48.65	22.514	7.95	-91.5	-253.6	3.2	6.9
4/9/04 17:00	23.01	110.356	6.67	64	48.73	22.607	8	-94.6	-269.4	3.2	20.8
4/9/04 17:30	23.02	111.209	6.21	64	48.64	22.538	7.99	-94.1	-262.4	3.2	7.2
4/9/04 18:00	23.02	110.034	6.56	64	48.64	22.553	8.01	-95.3	-275.1	3.2	8
4/9/04 18:30	22.99	111.716	6.6	64	48.64	22.531	8.02	-95.9	-278.1	3.1	7.9
4/9/04 19:00	23	109.424	6.48	64	48.57	22.519	8.02	-95.3	-286	3.2	62.3
4/9/04 19:30	23.03	109.184	6.3	64	48.54	22.502	8.02	-95.4	-249.8	3.1	7.3
4/9/04 20:00	23.08	111.26	5.86	64	48.52	22.457	8	-94.4	-247.7	3.3	7.5
4/9/04 20:30	23.12	109.709	5.77	64	48.55	22.502	8	-94.6	-242.1	3.1	7.9
4/9/04 21:00	23.1	111.783	5.75	64	48.39	22.364	8.02	-95.7	-225.1	3	6.5
4/9/04 21:30	22.86	110.751	5.56	63	48.36	22.359	8	-94.3	-197	3.1	8.3
4/9/04 22:00	22.86	110.45	5.58	63	48.38	22.375	8	-94.6	-170.6	3.1	8.3
4/9/04 22:30	22.83	111.079	5.44	63	48.19	22.241	7.99	-93.9	-144.9	2.9	8.2
4/9/04 23:00	22.74	111.694	5.2	62	48.23	22.258	7.96	-91.8	-117.6	3.3	8.1
4/9/04 23:30	22.74	111.565	5.08	62	48.16	22.21	7.94	-90.9	-94.9	3.1	7.9
4/10/04 0:00	22.73	112.423	4.93	62	48.1	22.157	7.92	-90	-69.2	3.2	9.4
4/10/04 0:30	22.67	111.866	4.75	62	48.12	22.179	7.91	-89.1	-48.8	3	9.4
4/10/04 1:00	22.52	111.809	4.64	62	48	22.096	7.91	-89.2	-37.9	3	7.9
4/10/04 1:30	22.48	111.249	4.55	61	47.88	22.028	7.91	-88.9	-34.6	3.1	6.7
4/10/04 2:00	22.47	111.544	4.49	62	47.79	21.965	7.9	-88.7	-32.9	3.1	7.8
4/10/04 2:30	22.48	111.064	4.43	61	47.79	21.972	7.9	-88.6	-31.5	3	8.7
4/10/04 3:00	22.52	111.766	4.31	61	47.73	21.923	7.89	-88.1	-30.3	3	14.5
4/10/04 3:30	22.54	111.885	4.26	61	47.61	21.842	7.89	-88.1	-28.4	3	8.3
4/10/04 4:00	22.54	110.452	4.16	61	47.69	21.914	7.88	-87.6	-27.6	3.1	7.9
4/10/04 4:30	22.59	108.639	4.04	61	47.6	21.881	7.87	-87.1	-27.4	3.2	7.9
4/10/04 5:00	22.61	110.036	4.01	61	47.55	21.826	7.88	-87.4	-26.3	3.4	8.1
4/10/04 5:30	22.59	110.357	3.91	60	47.59	21.846	7.87	-86.7	-26.1	3	8.9
4/10/04 6:00	22.6	108.738	3.87	61	47.64	21.908	7.87	-86.6	-24.9	3	8.1
4/10/04 6:30	22.59	110.779	3.78	61	47.62	21.86	7.86	-86.5	-24.7	3.1	7.8
4/10/04 7:00	22.59	109.729	3.74	60	47.64	21.889	7.86	-86.5	-24	3	11.2
4/10/04 7:30	22.6	109.999	3.74	61	47.67	21.905	7.87	-86.7	-24	3.2	8.9
4/10/04 8:00	22.55	111.006	3.71	61	47.73	21.931	7.87	-86.7	-22.9	3.1	10.9
4/10/04 8:30	22.56	113.085	3.61	61	47.79	21.945	7.86	-86.5	-22.8	3.1	8.4
4/10/04 9:00	22.54	110.136	3.55	60	47.81	21.996	7.85	-85.6	-22.4	3.3	11.1
4/10/04 9:30	22.56	111.94	3.44	60	47.91	22.037	7.85	-85.4	-22.2	3.2	8.6
4/10/04 10:00	22.54	110.214	3.44	60	47.99	22.117	7.84	-85.2	-21.7	3.1	9.2
4/10/04 10:30	22.56	109.975	3.31	60	48.06	22.165	7.83	-84.7	-21.4	3.1	7.6
4/10/04 11:00	22.55	110.987	3.09	60	48.21	22.253	7.82	-83.8	-20.4	3	10
4/10/04 11:30	22.56	110.463	3.04	60	48.28	22.305	7.82	-83.7	-20.9	3	9.8
4/10/04 12:00	22.58	111.618	3.02	60	48.33	22.325	7.82	-83.8	-22.6	3.2	8.1
4/10/04 12:30	22.58	110.656	3.22	60	48.39	22.378	7.82	-83.9	-37.3	3.2	8.5
4/10/04 13:00	22.61	111.35	3.63	60	48.43	22.395	7.83	-84.4	-65.6	3.2	10.3
4/10/04 13:30	22.63	114.09	3.95	61	48.51	22.406	7.85	-85.5	-81.7	3.1	8.3
4/10/04 14:00	22.63	110.448	4.8	61	48.54	22.481	7.86	-86.4	-110.4	3.2	7.9
4/10/04 14:30	22.64	109.966	4.78	62	48.58	22.514	7.88	-87.7	-136.6	3	7.8
4/10/04 15:00	22.53	110.579	5.91	63	48.62	22.527	7.94	-91.1	-173.1	3.1	8.3
4/10/04 15:30	22.57	112.587	5.61	63	48.63	22.509	7.97	-92.7	-182.1	3.2	8.3
4/10/04 16:00	22.61	110.313	6.98	64	48.64	22.546	8.02	-95.3	-213.2	3.1	7.6
4/10/04 16:30	22.61	110.746	7.31	65	48.63	22.536	8.04	-96.7	-237.2	3	7.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/10/04 17:00	22.65	111.156	7.6	65	48.64	22.532	8.02	-95.7	-243.6	3.2	9.5
4/10/04 17:30	22.68	111.3	8.32	66	48.59	22.498	8.05	-97	-262.9	3	8.1
4/10/04 18:00	22.8	112.465	8.18	66	48.59	22.482	8.04	-96.9	-255.8	3	8.8
4/10/04 18:30	22.89	110.099	8.07	66	48.56	22.501	8.04	-96.4	-167.9	3.1	8.7
4/10/04 19:00	22.86	112.887	7.46	66	48.55	22.448	8.05	-97.5	-212.4	3	8.9
4/10/04 19:30	22.92	112.634	6.43	64	48.49	22.417	8.01	-95	-165.5	3.1	12.6
4/10/04 20:00	22.99	112.19	6.67	64	48.45	22.396	8.03	-96.4	-186.4	3.1	10.4
4/10/04 20:30	22.7	112.305	6.13	64	48.43	22.379	7.99	-94	-209.7	3.1	15
4/10/04 21:00	22.53	112.856	5.22	62	48.4	22.352	7.96	-92.2	-175.5	3.1	10.6
4/10/04 21:30	22.43	113.413	5.21	63	48.36	22.314	7.96	-92.2	-156.2	3.2	14.2
4/10/04 22:00	22.37	112.408	5.05	62	48.37	22.335	7.94	-90.8	-96.9	3.1	8.7
4/10/04 22:30	22.36	113.8	4.84	62	48.29	22.26	7.93	-90.3	-78.1	3.2	8.7
4/10/04 23:00	22.36	113.064	4.63	61	48.25	22.242	7.92	-89.8	-56.3	3	1426.5
4/10/04 23:30	22.43	112.267	4.56	61	48.2	22.227	7.92	-89.7	-51.8	3	7.9
4/11/04 0:00	22.44	112.873	4.39	61	48.14	22.173	7.91	-89.1	-43.7	3.1	8.9
4/11/04 0:30	22.43	111.869	4.23	61	48.09	22.155	7.9	-88.3	-37.6	3	8.6
4/11/04 1:00	22.43	110.293	4.27	61	48.03	22.144	7.9	-88.7	-33.9	3.1	9
4/11/04 1:30	22.43	112.77	4.1	61	48.01	22.091	7.89	-88.2	-32	3.3	8.6
4/11/04 2:00	22.44	113.378	4.02	61	47.94	22.034	7.89	-88	-30.3	3	8.3
4/11/04 2:30	22.45	113.794	4.07	60	47.85	21.97	7.89	-88.2	-29.1	3.1	8.2
4/11/04 3:00	22.46	113.845	3.75	60	47.79	21.927	7.87	-86.8	-28.2	3.4	7.9
4/11/04 3:30	22.47	113.756	3.77	60	47.76	21.909	7.87	-86.9	-27.1	3	7.9
4/11/04 4:00	22.5	112.74	3.69	61	47.68	21.873	7.86	-86.5	-26.4	3.1	7.9
4/11/04 4:30	22.61	113.509	3.81	60	47.65	21.841	7.88	-87.2	-22.9	3	7.5
4/11/04 5:00	22.57	113.662	3.64	61	47.63	21.83	7.86	-86.5	-24	3.1	8.3
4/11/04 5:30	22.54	112.811	3.62	61	47.58	21.807	7.86	-86.5	-24.4	3.2	8.3
4/11/04 6:00	22.51	112.812	3.65	60	47.56	21.792	7.87	-86.7	-23.9	3.1	7.5
4/11/04 6:30	22.45	112.292	3.82	60	47.53	21.781	7.88	-87.5	-23.5	3.1	7.9
4/11/04 7:00	22.45	112.844	3.8	61	47.55	21.785	7.89	-87.7	-22.9	3.3	7.9
4/11/04 7:30	22.44	112.86	3.81	61	47.57	21.796	7.9	-88.3	-21.8	3.1	7.4
4/11/04 8:00	22.45	112.916	3.78	60	47.6	21.816	7.89	-88.2	-21.5	3.2	8.6
4/11/04 8:30	22.45	114.971	3.7	60	47.61	21.791	7.89	-88	-21.3	3.1	7.9
4/11/04 9:00	22.46	113.919	3.76	60	47.66	21.844	7.89	-88.1	-21.2	3.1	8.4
4/11/04 9:30	22.45	112.805	3.82	60	47.77	21.935	7.89	-88	-21.2	3.2	9.5
4/11/04 10:00	22.46	112.725	3.74	60	47.78	21.936	7.88	-87.6	-20.7	3.2	8.6
4/11/04 10:30	22.46	112.823	3.71	60	47.9	22.019	7.88	-87.6	-20.7	3.2	8
4/11/04 11:00	22.48	113.024	3.62	60	47.98	22.069	7.88	-87.2	-20.5	2.9	8.3
4/11/04 11:30	22.48	115.236	3.6	60	48.11	22.122	7.88	-87.2	-20.2	3.1	7.6
4/11/04 12:00	22.49	113.021	3.46	60	48.17	22.193	7.86	-86.4	-20.5	3.1	8.3
4/11/04 12:30	22.48	112.476	3.46	60	48.25	22.256	7.85	-85.9	-26.2	3.1	7.4
4/11/04 13:00	22.49	113.504	3.35	60	48.33	22.294	7.84	-85.4	-33	3.2	7.4
4/11/04 13:30	22.49	113.45	3.27	60	48.41	22.346	7.84	-85	-31.5	3	9.5
4/11/04 14:00	22.52	112.852	3.54	60	48.46	22.388	7.86	-86.1	-50.3	3.3	9
4/11/04 14:30	22.58	111.885	4.06	61	48.55	22.462	7.88	-87.5	-99.8	3.1	6.8
4/11/04 15:00	22.61	114.974	3.82	61	48.57	22.428	7.87	-87.1	-83.4	3.1	19.9
4/11/04 15:30	22.63	114.675	3.97	60	48.68	22.507	7.88	-87.6	-99.5	3.2	72.5
4/11/04 16:00	22.64	113.062	4.28	61	48.73	22.562	7.89	-88.3	-129.7	3.1	6.2
4/11/04 16:30	22.66	112.542	4.81	62	48.77	22.597	7.92	-89.6	-235.2	3	6.5
4/11/04 17:00	22.7	114.458	4.49	62	48.65	22.493	7.9	-88.4	-124.1	3.1	6.7
4/11/04 17:30	22.78	112.341	5.81	63	48.64	22.519	7.96	-91.8	-265.7	3.2	7.8
4/11/04 18:00	22.86	112.49	4.51	62	48.69	22.547	7.91	-89.2	-82.1	3.1	7.5
4/11/04 18:30	22.93	112.544	4.36	61	48.66	22.526	7.92	-89.5	-52.5	3.1	8.2
4/11/04 19:00	22.95	112.19	4.37	62	48.65	22.526	7.92	-90	-41	3	6.7
4/11/04 19:30	22.92	114.237	4.4	62	48.55	22.428	7.93	-90.3	-49.1	3.1	7.8
4/11/04 20:00	22.86	114.563	4.26	62	48.55	22.427	7.92	-89.6	-41.5	3.1	7.6
4/11/04 20:30	22.83	114.009	4.2	62	48.58	22.45	7.91	-89.4	-34.4	3	7
4/11/04 21:00	22.81	114.159	4.3	62	48.55	22.434	7.92	-89.7	-45	3.1	7.6
4/11/04 21:30	22.74	114.097	4.37	61	48.47	22.38	7.92	-89.6	-62.1	3	7.2
4/11/04 22:00	22.75	114.874	5.01	63	48.44	22.346	7.96	-92.3	-146.7	3	7.3
4/11/04 22:30	22.67	114.022	4.36	62	48.43	22.355	7.92	-89.5	-54.8	2.9	6.7
4/11/04 23:00	22.63	114.932	4.58	62	48.36	22.292	7.94	-90.7	-98.2	3.1	6.7
4/11/04 23:30	22.63	115.438	4.44	62	48.31	22.253	7.93	-90	-89.5	3.1	8.6
4/12/04 0:00	22.62	113.087	4.33	61	48.31	22.287	7.92	-89.5	-60.9	3	9.6
4/12/04 0:30	22.65	112.723	4.24	61	48.25	22.251	7.91	-89.2	-41.8	3.3	7
4/12/04 1:00	22.65	112.915	4.18	61	48.2	22.218	7.91	-89.1	-32.9	3	8.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/12/04 1:30	22.67	113.199	4.16	61	48.09	22.143	7.91	-89.3	-29.7	3.2	10.5
4/12/04 2:00	22.66	113.346	4.09	61	48.12	22.159	7.9	-88.9	-28.3	3.1	7.7
4/12/04 2:30	22.68	112.064	4	60	47.98	22.082	7.9	-88.3	-26.8	3.1	9.2
4/12/04 3:00	22.68	112.565	3.96	60	48.23	22.243	7.9	-88.3	-25.7	3.1	6.8
4/12/04 3:30	22.66	112.947	3.83	61	47.86	21.991	7.88	-87.6	-25	3	7.7
4/12/04 4:00	22.68	112.879	3.78	61	47.87	21.995	7.88	-87.4	-24.7	3.1	9.8
4/12/04 4:30	22.68	111.888	3.74	60	47.95	22.067	7.88	-87.2	-23.5	3.2	7.1
4/12/04 5:00	22.71	113.15	3.67	60	47.81	21.953	7.87	-87	-22.7	3.2	7.8
4/12/04 5:30	22.71	111.804	3.68	60	47.8	21.966	7.87	-87	-21.6	3	6.7
4/12/04 6:00	22.71	112.666	3.61	61	47.69	21.88	7.87	-86.9	-21.3	3.1	10
4/12/04 6:30	22.69	112.701	3.57	60	47.71	21.891	7.87	-86.7	-21.2	3	8.8
4/12/04 7:00	22.72	112.903	3.46	61	47.66	21.855	7.86	-86.1	-21	3.1	8.1
4/12/04 7:30	22.69	111.621	3.83	61	47.68	21.891	7.89	-88.2	-20.4	3.1	7.8
4/12/04 8:00	22.67	112.7	3.95	60	47.47	21.734	7.9	-88.9	-20	3.1	8.7
4/12/04 8:30	22.63	112.081	4.04	61	47.73	21.915	7.91	-89.2	-20.1	3	7.6
4/12/04 9:00	22.63	112.962	3.91	61	47.72	21.9	7.9	-88.6	-19.7	3	10.6
4/12/04 9:30	22.62	115.438	3.87	61	47.74	21.876	7.9	-88.6	-19.6	3.1	8.7
4/12/04 10:00	22.63	113.12	3.84	60	47.78	21.932	7.9	-88.3	-18.7	3	8.8
4/12/04 10:30	22.62	111.948	3.84	60	47.86	22.005	7.89	-88.2	-18.8	3	7.4
4/12/04 11:00	22.63	111.903	3.75	61	47.77	21.944	7.89	-87.8	-18.7	3	7.9
4/12/04 11:30	22.67	111.659	3.69	60	48.01	22.107	7.88	-87.4	-18.6	3.1	7.5
4/12/04 12:00	22.66	112.242	3.65	60	48.02	22.106	7.88	-87.3	-18.7	3.1	7.8
4/12/04 12:30	22.7	112.064	3.61	61	48.13	22.184	7.88	-87.2	-20.6	3	6.5
4/12/04 13:00	22.68	112.64	3.68	61	48.35	22.318	7.88	-87.4	-28.4	3	8.7
4/12/04 13:30	22.72	112.903	3.76	60	48.31	22.292	7.88	-87.5	-42.5	3	11.1
4/12/04 14:00	22.72	113.624	3.77	61	48.37	22.319	7.88	-87.5	-46.8	3.1	9.7
4/12/04 14:30	22.77	112.759	3.93	61	48.49	22.409	7.88	-87.7	-66.8	3	8.8
4/12/04 15:00	22.78	112.604	4.11	61	48.58	22.477	7.89	-88	-91.3	3.2	8.6
4/12/04 15:30	22.77	112.861	3.97	60	48.45	22.384	7.89	-87.9	-60.8	3.2	7.6
4/12/04 16:00	22.78	112.463	4.02	60	48.53	22.439	7.89	-87.9	-70.8	3.1	8.9
4/12/04 16:30	22.78	113.154	3.95	61	48.66	22.521	7.89	-87.8	-59.9	3.2	7.2
4/12/04 17:00	22.79	112.449	4.23	61	48.6	22.488	7.9	-88.4	-106.9	3	13.7
4/12/04 17:30	22.84	112.047	4.71	61	48.59	22.487	7.92	-89.8	-154.9	3	8.4
4/12/04 18:00	22.84	112.637	4.22	61	48.63	22.508	7.89	-88.3	-81	3	8.7
4/12/04 18:30	22.86	112.834	4.18	61	48.59	22.476	7.89	-88.3	-67.8	3.2	7.2
4/12/04 19:00	22.88	111.199	4.15	61	48.68	22.563	7.89	-88.3	-61.8	2.9	9.8
4/12/04 19:30	22.91	115.183	4.21	61	48.5	22.381	7.91	-88.9	-81.2	3.1	8.7
4/12/04 20:00	22.99	116.216	4.65	62	48.56	22.409	7.95	-91.4	-225.5	3.1	6.9
4/12/04 20:30	23	111.741	4.83	62	48.61	22.507	7.93	-90.3	-150.4	3.2	6.6
4/12/04 21:00	23.15	111.016	4.58	61	48.48	22.435	7.93	-90.3	-62.4	3.1	9.8
4/12/04 21:30	23.14	110.688	4.63	62	48.51	22.458	7.94	-91.2	-56	3	7.3
4/12/04 22:00	23.06	111.873	4.56	61	48.59	22.491	7.94	-90.9	-53.8	3.1	9.7
4/12/04 22:30	22.93	112.684	4.54	62	48.46	22.391	7.94	-90.9	-52.3	3.2	7.6
4/12/04 23:00	22.83	111.649	4.55	61	48.64	22.531	7.94	-90.7	-55.1	3	8.6
4/12/04 23:30	22.76	111.682	4.54	61	48.59	22.496	7.94	-90.7	-46	3.1	6.5
4/13/04 0:00	22.73	112.396	4.46	61	48.79	22.613	7.93	-90.5	-39.8	3	6.6
4/13/04 0:30	22.69	111.124	4.49	62	48.55	22.474	7.93	-90.6	-32.9	3	6.8
4/13/04 1:00	22.67	110.065	4.45	61	48.14	22.22	7.93	-90.3	-29.3	2.9	7.3
4/13/04 1:30	22.64	110.735	4.4	61	48.2	22.249	7.93	-90.2	-27.4	3.2	7.7
4/13/04 2:00	22.66	111.148	4.35	61	48.47	22.42	7.92	-90	-26.4	3	6.1
4/13/04 2:30	22.69	111.296	4.3	61	48.28	22.292	7.92	-89.9	-25.2	3	7.7
4/13/04 3:00	22.74	109.875	4.28	61	48.23	22.28	7.92	-89.7	-24.4	3.2	7
4/13/04 3:30	22.76	110.041	4.28	61	48.45	22.424	7.92	-89.9	-23.9	3	8.2
4/13/04 4:00	22.8	109.174	4.27	61	48.03	22.157	7.92	-89.9	-23.2	3.2	7.2
4/13/04 4:30	22.9	109.242	4.46	62	47.82	22.017	7.94	-91.1	-22	3.1	6.2
4/13/04 5:00	22.85	108.985	4.46	62	47.86	22.052	7.94	-90.9	-22.5	3.1	7
4/13/04 5:30	22.81	110.116	4.45	61	47.46	21.77	7.94	-91	-22	2.9	7.7
4/13/04 6:00	22.82	110.433	4.42	61	48.14	22.214	7.94	-90.9	-21.8	2.9	6.4
4/13/04 6:30	22.78	110.028	4.41	62	48.03	22.148	7.94	-90.8	-21.8	3.1	6.1
4/13/04 7:00	22.75	110.696	4.42	62	47.74	21.943	7.94	-90.8	-21.4	3.3	11.5
4/13/04 7:30	22.73	110.683	4.41	61	47.62	21.866	7.94	-90.8	-21.1	3	6.7
4/13/04 8:00	22.7	109.994	4.42	61	47.83	22.016	7.94	-90.7	-21.2	3.1	6.2
4/13/04 8:30	22.67	109.538	4.45	62	47.72	21.949	7.94	-90.7	-20.9	3	7
4/13/04 9:00	22.64	110.14	4.41	61	47.43	21.743	7.94	-90.7	-20.5	3.2	7.3
4/13/04 9:30	22.64	110.498	4.42	61	47.74	21.947	7.94	-90.6	-20.5	3.1	6.8

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/13/04 10:00	22.59	111.219	4.4	61	47.74	21.937	7.94	-90.6	-20.4	3.1	6.9
4/13/04 10:30	22.56	110.399	4.39	61	47.7	21.921	7.94	-90.6	-20.4	2.9	6.8
4/13/04 11:00	22.54	110.383	4.4	61	47.58	21.844	7.93	-90.5	-20.6	3.1	6.7
4/13/04 11:30	22.52	110.944	4.35	60	48.02	22.124	7.93	-90.4	-20.4	3.1	9.7
4/13/04 12:00	22.53	110.714	4.32	61	47.92	22.059	7.93	-90.3	-22.7	3	7.7
4/13/04 12:30	22.5	109.487	4.44	61	48.12	22.211	7.93	-90.4	-34.7	3.1	6.3
4/13/04 13:00	22.48	109.634	4.62	61	48.17	22.244	7.94	-90.6	-54.7	3	6.6
4/13/04 13:30	22.48	110.161	4.84	61	48.16	22.232	7.94	-90.8	-85.8	3.2	7.8
4/13/04 14:00	22.49	110.553	4.86	61	48.13	22.207	7.94	-90.8	-81.8	3	13.3
4/13/04 14:30	22.49	109.786	5.28	62	48.11	22.205	7.95	-91.4	-146.6	3	8.1
4/13/04 15:00	22.48	110.36	5.4	62	48.23	22.273	7.95	-91.7	-109.7	3.1	12.2
4/13/04 15:30	22.47	110.046	5.57	62	48.43	22.41	7.96	-92.2	-232.6	3.1	13.8
4/13/04 16:00	22.47	110.76	5.51	62	48.5	22.449	7.96	-92	-180.1	3	6.8
4/13/04 16:30	22.48	110.685	5.72	63	48.45	22.416	7.96	-92.1	-149.1	3.1	8.9
4/13/04 17:00	22.51	110.634	5.92	62	48.45	22.412	7.98	-93.3	-272.6	3.2	8.3
4/13/04 17:30	22.49	110.947	5.64	64	48.53	22.464	7.96	-91.8	-132.1	3.2	8.9
4/13/04 18:00	22.52	110.066	6.1	64	48.57	22.504	7.99	-93.7	-279.2	3.2	10.4
4/13/04 18:30	22.53	110.821	5.83	63	48.47	22.428	7.98	-93.3	-268.4	3.2	7.3
4/13/04 19:00	22.52	110.81	5.78	62	48.5	22.445	7.98	-93.4	-247.9	3.1	6.7
4/13/04 19:30	22.54	110.716	5.68	63	48.45	22.413	7.98	-93.4	-275.3	3.1	7.4
4/13/04 20:00	22.56	110.58	5.67	62	48.4	22.381	7.98	-93.3	-206.4	3.1	7.9
4/13/04 20:30	22.57	109.572	5.43	61	48.43	22.417	7.98	-93	-203.6	3.2	10.2
4/13/04 21:00	22.61	109.805	5.47	62	48.43	22.415	7.97	-92.7	-227.2	3	10.4
4/13/04 21:30	23.08	103.02	19.82	100	48.38	22.483	8.05	-97.4	-163.6	2.9	15.9
4/13/04 22:00	23.11	103.074	18.51	101	48.32	22.445	8.05	-97.6	-133	3	8.1
4/13/04 22:30	23.07	103.335	18.98	100	48.4	22.496	8.03	-96.4	-108.9	3	6.5
4/13/04 23:00	23	103.631	18.76	100	48.45	22.522	8.01	-95	-80	3.1	6.5
4/13/04 23:30	22.96	103.817	18.38	101	48.47	22.531	8	-94.5	-57.8	3	6.6
4/14/04 0:00	22.92	103.98	18.23	100	48.36	22.455	7.99	-93.9	-43.3	3	6.6
4/14/04 0:30	22.88	104.124	18.29	100	48.27	22.396	7.98	-93.4	-27	3	6.3
4/14/04 1:00	22.83	104.414	18.13	100	48.34	22.439	7.98	-93.1	-18.7	2.9	6.4
4/14/04 1:30	22.84	104.429	18.16	100	48.29	22.401	7.98	-93	-16.7	2.9	7.9
4/14/04 2:00	22.8	104.499	18.16	100	48.22	22.356	7.97	-92.9	-15.6	3.2	7.3
4/14/04 2:30	22.74	105.177	17.88	100	48.13	22.286	7.97	-92.6	-16.9	3.1	7.1
4/14/04 3:00	22.7	104.957	17.81	101	48.22	22.346	7.97	-92.3	-16.7	3.1	6.5
4/14/04 3:30	22.59	108.5	17.25	100	48.12	22.226	7.96	-92	-18.2	3.1	6.6
4/14/04 4:00	22.57	106.305	17.5	100	48.11	22.253	7.96	-91.9	-16.6	2.8	8.1
4/14/04 4:30	22.55	106.631	17.44	101	48.05	22.211	7.95	-91.7	-16.4	3	7.5
4/14/04 5:00	22.53	108.888	17.18	100	48.03	22.163	7.95	-91.6	-16.5	3	8
4/14/04 5:30	22.52	108.5	17.18	100	48.08	22.204	7.95	-91.6	-16	3	7.2
4/14/04 6:00	22.49	107.183	17.21	100	47.95	22.135	7.95	-91.2	-15.8	3.2	7.8
4/14/04 6:30	22.49	107.409	17.07	100	47.92	22.111	7.95	-91.4	-15.9	3.1	6.5
4/14/04 7:00	22.47	107.241	16.93	100	47.84	22.06	7.95	-91.2	-15.5	3.1	8.4
4/14/04 7:30	22.45	107.596	16.7	100	47.82	22.039	7.94	-91.1	-15.4	3	7.1
4/14/04 8:00	22.48	106.931	16.56	100	47.76	22.01	7.95	-91.2	-15.1	2.9	6.5
4/14/04 8:30	22.44	108.059	16.3	101	47.74	21.98	7.94	-91.1	-15.2	3.2	6.5
4/14/04 9:00	22.42	108.264	16.06	101	47.76	21.992	7.94	-91.1	-15.1	3.2	6.7
4/14/04 9:30	22.41	108.739	15.87	100	47.68	21.934	7.94	-90.9	-15	3.1	6.5
4/14/04 10:00	22.43	107.204	15.75	100	47.74	21.994	7.94	-90.7	-14.5	3	6.5
4/14/04 10:30	22.42	107.674	15.51	100	47.72	21.973	7.93	-90.5	-14.5	3.2	6.8
4/14/04 11:00	22.42	107.119	15.06	100	47.74	21.993	7.93	-90.5	-14.3	2.9	6.7
4/14/04 11:30	22.41	107.089	14.4	100	47.73	21.99	7.93	-90.4	-14.5	3	6.8
4/14/04 12:00	22.41	107.27	13.89	100	47.74	21.989	7.93	-90.2	-16.9	3.3	6.8
4/14/04 12:30	22.44	107.879	13.51	100	47.81	22.029	7.94	-90.7	-29.4	3.1	6.8
4/14/04 13:00	22.4	109.049	12.57	98	47.87	22.055	7.95	-91.3	-57.9	3.2	7.5
4/14/04 13:30	22.42	109.494	11.38	95	47.92	22.078	7.95	-91.4	-63.2	3.2	7.6
4/14/04 14:00	22.42	108.51	10.85	92	47.97	22.128	7.97	-92.5	-114.4	2.9	7.5
4/14/04 14:30	22.38	107.961	9.96	90	48.08	22.207	7.97	-92.7	-133.5	3.1	6.7
4/14/04 15:00	22.39	109.182	8.88	86	48.1	22.206	7.98	-93.2	-165.6	2.9	7
4/14/04 15:30	22.39	107.941	7.82	81	48.19	22.281	7.99	-93.6	-208.8	3	7.2
4/14/04 16:00	22.4	109.333	7.42	79	48.26	22.311	8.01	-94.7	-214.3	3	7.1
4/14/04 16:30	22.4	110.597	7.25	76	48.27	22.295	8	-94.5	-240.7	3.2	7.2
4/14/04 17:00	22.44	108.922	6.87	73	48.34	22.365	8.02	-95.2	-260.8	3.1	7.3
4/14/04 17:30	22.42	109.483	6.96	73	48.37	22.378	8.03	-96.2	-248.8	3	7.1
4/14/04 18:00	22.44	109.983	6.62	70	48.41	22.395	8.02	-95.8	-319.2	3	6.8

Appendix 5
Water Quality Data

East Flower Garden Bank											
March 11, 2004 - April 15, 2004											
DateTime M/D/Y	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressurepsi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
4/14/04 18:30	22.45	112.25	6.62	70	48.39	22.354	8.04	-96.9	-264.1	3.1	204.1
4/14/04 19:00	22.43	109.626	6.42	70	48.41	22.4	8.03	-96	-290.1	3.1	6.7
4/14/04 19:30	22.46	109.847	6.57	69	48.41	22.399	8.06	-98	-277.4	3.2	7
4/14/04 20:00	22.46	109.652	6.09	69	48.42	22.408	8.04	-96.8	-273.2	3	6.9
4/14/04 20:30	22.48	111.39	5.93	69	48.4	22.37	8.06	-97.8	-247.7	3	7.4
4/14/04 21:00	22.48	111.362	5.63	69	48.37	22.351	8.02	-95.3	-228.9	3	7
4/14/04 21:30	22.47	109.863	5.37	67	48.35	22.362	7.99	-93.8	-204	3.1	8
4/14/04 22:00	22.49	111.276	5.29	66	48.35	22.342	8	-94.2	-172.4	3	7.3
4/14/04 22:30	22.47	110.567	5.11	65	48.33	22.333	7.98	-93.2	-149.9	2.9	11.7
4/14/04 23:00	22.46	111.204	4.95	65	48.31	22.313	7.96	-92	-120	3.1	8.1
4/14/04 23:30	22.43	110.624	4.87	65	48.28	22.304	7.94	-91.1	-97.9	3.1	6.9
4/15/04 0:00	22.4	110.072	4.76	65	48.29	22.319	7.93	-90.4	-73.1	3.1	6.7
4/15/04 0:30	22.39	110.543	4.65	64	48.27	22.298	7.93	-90	-53.2	3.3	7.2
4/15/04 1:00	22.35	109.962	4.56	64	48.24	22.288	7.92	-89.7	-42.1	3.1	6.7
4/15/04 1:30	22.34	108.956	4.56	64	48.25	22.309	7.92	-89.8	-38.6	3.2	10.1
4/15/04 2:00	22.34	110.645	4.48	64	48.26	22.291	7.93	-90	-36.3	3.3	8.1
4/15/04 2:30	22.32	111.249	4.43	63	48.28	22.29	7.92	-89.9	-34.7	3.2	6.9
4/15/04 3:00	22.29	110.372	4.43	64	48.26	22.29	7.92	-89.8	-33.3	3.2	7.8
4/15/04 3:30	22.27	110.66	4.41	63	48.27	22.293	7.93	-90	-32.2	3.2	6.7
4/15/04 4:00	22.25	110.286	4.41	63	48.25	22.286	7.92	-89.9	-31.2	3	8.1
4/15/04 4:30	22.25	111.018	4.36	63	48.22	22.254	7.92	-89.8	-30.1	3.2	6.7
4/15/04 5:00	22.22	110.687	4.35	62	48.18	22.233	7.92	-89.9	-29.6	3	6.7
4/15/04 5:30	22.21	109.46	4.32	62	48.17	22.242	7.92	-89.7	-28.9	3	10
4/15/04 6:00	22.2	110.425	4.3	63	48.15	22.216	7.93	-90	-27.7	3.1	6.7
4/15/04 6:30	22.18	110.612	4.32	63	48.11	22.188	7.92	-89.7	-27.6	3.1	8.3
4/15/04 7:00	22.18	110.158	4.25	63	48.07	22.17	7.92	-89.6	-26.9	3	8.5
4/15/04 7:30	22.18	109.372	4.3	63	48.03	22.152	7.92	-89.8	-26.5	3.2	9.5
4/15/04 8:00	22.17	109.369	4.23	62	47.98	22.12	7.91	-89.4	-26.4	3.1	7.9
4/15/04 8:30	22.18	109.355	4.17	62	47.98	22.118	7.91	-88.8	-25.8	3.2	8.4
4/15/04 9:00	22.21	111.213	4.11	61	47.93	22.058	7.9	-88.6	-25.4	3	7.1
4/15/04 9:30	22.22	110.178	4.11	62	47.9	22.054	7.91	-89	-24.6	3.1	7.7
4/15/04 10:00	22.22	109.547	4.13	62	47.86	22.038	7.91	-89	-24.4	3.1	8
4/15/04 10:30	22.22	109.827	4.06	62	47.86	22.032	7.9	-88.7	-23.9	3	9.2
4/15/04 11:00	22.23	110.785	4.01	62	47.85	22.01	7.9	-88.4	-23.6	3.1	8.1
4/15/04 11:30	22.24	110.618	4.06	62	47.84	22.007	7.91	-88.8	-23	3.1	9.6
4/15/04 12:00	22.24	109.999	4.09	62	47.84	22.019	7.91	-89.4	-25.6	3.4	9.7
4/15/04 12:30	22.27	109.92	3.77	62	47.89	22.054	7.92	-89.7	-43.5	3.2	8.8
4/15/04 13:00	22.28	110.048	3.25	61	47.89	22.052	7.93	-90.3	-73.2	3.1	8.1
4/15/04 13:30	22.29	109.55	3.74	62	47.94	22.092	7.94	-90.9	-98.2	3.1	8.2
4/15/04 14:00	22.31	109.592	4.35	62	47.96	22.101	7.95	-91.6	-96.1	2.9	8.7
4/15/04 14:30	22.3	110.185	4.69	62	48	22.119	7.96	-92.2	-124.3	3.1	9.4
4/15/04 15:00	22.31	110.368	5.55	64	48.1	22.183	7.99	-93.6	-208.5	3.1	8.4
4/15/04 15:30	22.33	109.949	6.23	65	48.11	22.199	8.03	-96.3	-248.1	3	8.5
4/15/04 16:00	22.33	110.437	6.87	65	48.18	22.238	8.05	-97.1	-249.4	3.2	8
4/15/04 16:30	22.32	109.22	6.57	65	48.22	22.281	8.01	-95.1	-264.3	3.1	8.4
4/15/04 17:00	22.35	110.067	7.26	65	48.26	22.294	8.09	-99.5	-281.7	3	355.1
4/15/04 17:30	22.35	111.015	7.54	66	48.29	22.305	8.12	-101.4	-322.2	3	9.2
4/15/04 18:00	22.37	109.96	6.94	65	48.3	22.324	8.07	-98.3	-224.1	3	9
4/15/04 18:30	22.38	109.198	7.45	66	48.34	22.362	8.15	-103.2	-317.3	3.2	8.9
4/15/04 19:00	22.39	108.851	6.94	65	48.35	22.371	8.11	-100.6	-195.6	3.3	9
4/15/04 19:30	22.4	110.264	6.96	65	48.37	22.368	8.14	-102.2	-324.7	3.2	7.8
4/15/04 20:00	22.4	110.907	6.96	65	48.37	22.358	8.16	-103.3	-315.5	3.1	9.9
4/15/04 20:30	22.43	110.823	6.85	65	48.35	22.347	8.15	-103	-262.9	3.1	7.3

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/11/04 14:37:11.0	24.20
03/11/04 15:07:11.0	34.68
03/11/04 15:37:11.0	23.83
03/11/04 16:07:11.0	24.82
03/11/04 16:37:11.0	24.27
03/11/04 17:07:11.0	20.67
03/11/04 17:37:11.0	20.65
03/11/04 18:07:11.0	20.65
03/11/04 18:37:11.0	20.65
03/11/04 19:07:11.0	20.67
03/11/04 19:37:11.0	20.70
03/11/04 20:07:11.0	20.70
03/11/04 20:37:11.0	20.70
03/11/04 21:07:11.0	20.67
03/11/04 21:37:11.0	20.65
03/11/04 22:07:11.0	20.65
03/11/04 22:37:11.0	20.63
03/11/04 23:07:11.0	20.63
03/11/04 23:37:11.0	20.63
03/12/04 00:07:11.0	20.65
03/12/04 00:37:11.0	20.65
03/12/04 01:07:11.0	20.67
03/12/04 01:37:11.0	20.72
03/12/04 02:07:11.0	20.75
03/12/04 02:37:11.0	20.75
03/12/04 03:07:11.0	20.75
03/12/04 03:37:11.0	20.75
03/12/04 04:07:11.0	20.75
03/12/04 04:37:11.0	20.77
03/12/04 05:07:11.0	20.77
03/12/04 05:37:11.0	20.77
03/12/04 06:07:11.0	20.77
03/12/04 06:37:11.0	20.79
03/12/04 07:07:11.0	20.82
03/12/04 07:37:11.0	20.84
03/12/04 08:07:11.0	20.89
03/12/04 08:37:11.0	20.91
03/12/04 09:07:11.0	20.94
03/12/04 09:37:11.0	20.96
03/12/04 10:07:11.0	20.98
03/12/04 10:37:11.0	20.98
03/12/04 11:07:11.0	21.06
03/12/04 11:37:11.0	21.06
03/12/04 12:07:11.0	21.06
03/12/04 12:37:11.0	21.10
03/12/04 13:07:11.0	21.10
03/12/04 13:37:11.0	21.06
03/12/04 14:07:11.0	21.06
03/12/04 14:37:11.0	21.10
03/12/04 15:07:11.0	21.08
03/12/04 15:37:11.0	21.08
03/12/04 16:07:11.0	21.10
03/12/04 16:37:11.0	21.08
03/12/04 17:07:11.0	21.08

Series	Temperature (*C)	
Logger Info	Information specific to the logger	
Model	HOBO Water Temp Pro [H20-001]	
Serial Number	595392	
Memory Size (Bytes)	32768	
Deployment	7	
Series Info	Information about the data in the series	
Points Used	6058	
First Point	03/11/04 14:37:11.0	
Last Point	07/15/04 20:07:11.0	
Duration	126 Days 04:30:00.0	
Stats	Calculated from the series	
Wrap Count	0	
Max Value	34.68	
Min Value	20.63	
Avg Value	24.23	
Launch Parameters		
Load Time	03/11/2004 20:37:09 GMT	03/11/2004 14:37:09 Local
Launch Time	03/11/2004 20:37:11 GMT	03/11/2004 14:37:11 Local
Logging Time	03/11/2004 20:37:11 GMT	03/11/2004 14:37:11 Local
Sampling Interval	1800	
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)	
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)	
End of Data	0x250D_00	
Wrap Count	0	
Description String	EFGB 3/11/04	
Time Zone	GMT-360 Minutes TZ set on Launch	

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/12/04 17:37:11.0	21.03
03/12/04 18:07:11.0	20.96
03/12/04 18:37:11.0	20.91
03/12/04 19:07:11.0	20.89
03/12/04 19:37:11.0	20.87
03/12/04 20:07:11.0	20.82
03/12/04 20:37:11.0	20.82
03/12/04 21:07:11.0	20.82
03/12/04 21:37:11.0	20.82
03/12/04 22:07:11.0	20.82
03/12/04 22:37:11.0	20.82
03/12/04 23:07:11.0	20.82
03/12/04 23:37:11.0	20.84
03/13/04 00:07:11.0	20.87
03/13/04 00:37:11.0	20.89
03/13/04 01:07:11.0	20.96
03/13/04 01:37:11.0	20.98
03/13/04 02:07:11.0	21.01
03/13/04 02:37:11.0	21.03
03/13/04 03:07:11.0	21.06
03/13/04 03:37:11.0	21.10
03/13/04 04:07:11.0	21.13
03/13/04 04:37:11.0	21.13
03/13/04 05:07:11.0	21.13
03/13/04 05:37:11.0	21.15
03/13/04 06:07:11.0	21.18
03/13/04 06:37:11.0	21.18
03/13/04 07:07:11.0	21.20
03/13/04 07:37:11.0	21.20
03/13/04 08:07:11.0	21.22
03/13/04 08:37:11.0	21.20
03/13/04 09:07:11.0	21.22
03/13/04 09:37:11.0	21.22
03/13/04 10:07:11.0	21.25
03/13/04 10:37:11.0	21.25
03/13/04 11:07:11.0	21.25
03/13/04 11:37:11.0	21.25
03/13/04 12:07:11.0	21.25
03/13/04 12:37:11.0	21.22
03/13/04 13:07:11.0	21.20
03/13/04 13:37:11.0	21.15
03/13/04 14:07:11.0	21.08
03/13/04 14:37:11.0	21.06
03/13/04 15:07:11.0	21.03
03/13/04 15:37:11.0	20.98
03/13/04 16:07:11.0	20.98
03/13/04 16:37:11.0	21.01
03/13/04 17:07:11.0	20.98
03/13/04 17:37:11.0	20.98
03/13/04 18:07:11.0	20.98
03/13/04 18:37:11.0	20.98
03/13/04 19:07:11.0	21.01
03/13/04 19:37:11.0	20.98
03/13/04 20:07:11.0	20.98

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/13/04 20:37:11.0	21.03
03/13/04 21:07:11.0	21.25
03/13/04 21:37:11.0	21.25
03/13/04 22:07:11.0	21.25
03/13/04 22:37:11.0	21.22
03/13/04 23:07:11.0	21.20
03/13/04 23:37:11.0	21.20
03/14/04 00:07:11.0	21.20
03/14/04 00:37:11.0	21.20
03/14/04 01:07:11.0	21.20
03/14/04 01:37:11.0	21.18
03/14/04 02:07:11.0	21.18
03/14/04 02:37:11.0	21.15
03/14/04 03:07:11.0	21.15
03/14/04 03:37:11.0	21.15
03/14/04 04:07:11.0	21.13
03/14/04 04:37:11.0	21.10
03/14/04 05:07:11.0	21.08
03/14/04 05:37:11.0	21.06
03/14/04 06:07:11.0	21.06
03/14/04 06:37:11.0	21.06
03/14/04 07:07:11.0	21.06
03/14/04 07:37:11.0	21.03
03/14/04 08:07:11.0	21.01
03/14/04 08:37:11.0	20.98
03/14/04 09:07:11.0	21.01
03/14/04 09:37:11.0	21.01
03/14/04 10:07:11.0	21.01
03/14/04 10:37:11.0	20.98
03/14/04 11:07:11.0	20.98
03/14/04 11:37:11.0	21.03
03/14/04 12:07:11.0	21.03
03/14/04 12:37:11.0	21.03
03/14/04 13:07:11.0	21.06
03/14/04 13:37:11.0	21.06
03/14/04 14:07:11.0	21.03
03/14/04 14:37:11.0	21.03
03/14/04 15:07:11.0	21.01
03/14/04 15:37:11.0	21.01
03/14/04 16:07:11.0	20.96
03/14/04 16:37:11.0	20.96
03/14/04 17:07:11.0	20.91
03/14/04 17:37:11.0	20.89
03/14/04 18:07:11.0	20.87
03/14/04 18:37:11.0	20.84
03/14/04 19:07:11.0	20.82
03/14/04 19:37:11.0	20.82
03/14/04 20:07:11.0	20.82
03/14/04 20:37:11.0	20.84
03/14/04 21:07:11.0	20.87
03/14/04 21:37:11.0	20.84
03/14/04 22:07:11.0	20.84
03/14/04 22:37:11.0	20.87
03/14/04 23:07:11.0	20.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/14/04 23:37:11.0	20.87
03/15/04 00:07:11.0	20.87
03/15/04 00:37:11.0	20.89
03/15/04 01:07:11.0	20.91
03/15/04 01:37:11.0	20.98
03/15/04 02:07:11.0	20.98
03/15/04 02:37:11.0	20.96
03/15/04 03:07:11.0	20.96
03/15/04 03:37:11.0	20.96
03/15/04 04:07:11.0	20.98
03/15/04 04:37:11.0	20.96
03/15/04 05:07:11.0	20.96
03/15/04 05:37:11.0	20.96
03/15/04 06:07:11.0	20.96
03/15/04 06:37:11.0	20.96
03/15/04 07:07:11.0	20.96
03/15/04 07:37:11.0	20.98
03/15/04 08:07:11.0	21.01
03/15/04 08:37:11.0	21.03
03/15/04 09:07:11.0	21.01
03/15/04 09:37:11.0	21.01
03/15/04 10:07:11.0	21.01
03/15/04 10:37:11.0	21.01
03/15/04 11:07:11.0	20.98
03/15/04 11:37:11.0	20.98
03/15/04 12:07:11.0	20.96
03/15/04 12:37:11.0	20.94
03/15/04 13:07:11.0	20.94
03/15/04 13:37:11.0	20.96
03/15/04 14:07:11.0	20.94
03/15/04 14:37:11.0	20.91
03/15/04 15:07:11.0	20.89
03/15/04 15:37:11.0	20.87
03/15/04 16:07:11.0	20.87
03/15/04 16:37:11.0	20.87
03/15/04 17:07:11.0	20.87
03/15/04 17:37:11.0	20.87
03/15/04 18:07:11.0	20.87
03/15/04 18:37:11.0	20.89
03/15/04 19:07:11.0	20.87
03/15/04 19:37:11.0	20.87
03/15/04 20:07:11.0	20.87
03/15/04 20:37:11.0	20.87
03/15/04 21:07:11.0	20.91
03/15/04 21:37:11.0	20.91
03/15/04 22:07:11.0	20.89
03/15/04 22:37:11.0	20.82
03/15/04 23:07:11.0	20.82
03/15/04 23:37:11.0	20.75
03/16/04 00:07:11.0	20.75
03/16/04 00:37:11.0	20.75
03/16/04 01:07:11.0	20.75
03/16/04 01:37:11.0	20.79
03/16/04 02:07:11.0	20.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/16/04 02:37:11.0	20.94
03/16/04 03:07:11.0	20.96
03/16/04 03:37:11.0	21.01
03/16/04 04:07:11.0	20.96
03/16/04 04:37:11.0	20.91
03/16/04 05:07:11.0	20.89
03/16/04 05:37:11.0	20.91
03/16/04 06:07:11.0	20.91
03/16/04 06:37:11.0	20.87
03/16/04 07:07:11.0	20.87
03/16/04 07:37:11.0	20.84
03/16/04 08:07:11.0	20.87
03/16/04 08:37:11.0	20.89
03/16/04 09:07:11.0	20.94
03/16/04 09:37:11.0	20.94
03/16/04 10:07:11.0	20.91
03/16/04 10:37:11.0	20.94
03/16/04 11:07:11.0	20.94
03/16/04 11:37:11.0	20.89
03/16/04 12:07:11.0	20.91
03/16/04 12:37:11.0	20.94
03/16/04 13:07:11.0	20.96
03/16/04 13:37:11.0	21.01
03/16/04 14:07:11.0	21.01
03/16/04 14:37:11.0	21.01
03/16/04 15:07:11.0	21.01
03/16/04 15:37:11.0	21.01
03/16/04 16:07:11.0	21.01
03/16/04 16:37:11.0	21.01
03/16/04 17:07:11.0	20.98
03/16/04 17:37:11.0	20.96
03/16/04 18:07:11.0	20.94
03/16/04 18:37:11.0	20.94
03/16/04 19:07:11.0	20.94
03/16/04 19:37:11.0	20.94
03/16/04 20:07:11.0	20.96
03/16/04 20:37:11.0	20.96
03/16/04 21:07:11.0	20.98
03/16/04 21:37:11.0	21.01
03/16/04 22:07:11.0	21.01
03/16/04 22:37:11.0	21.01
03/16/04 23:07:11.0	20.98
03/16/04 23:37:11.0	20.98
03/17/04 00:07:11.0	20.98
03/17/04 00:37:11.0	20.96
03/17/04 01:07:11.0	20.94
03/17/04 01:37:11.0	20.91
03/17/04 02:07:11.0	20.91
03/17/04 02:37:11.0	20.89
03/17/04 03:07:11.0	20.89
03/17/04 03:37:11.0	20.89
03/17/04 04:07:11.0	20.91
03/17/04 04:37:11.0	20.96
03/17/04 05:07:11.0	21.01

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/17/04 05:37:11.0	21.01
03/17/04 06:07:11.0	21.03
03/17/04 06:37:11.0	21.01
03/17/04 07:07:11.0	20.98
03/17/04 07:37:11.0	20.98
03/17/04 08:07:11.0	21.03
03/17/04 08:37:11.0	21.06
03/17/04 09:07:11.0	21.03
03/17/04 09:37:11.0	21.03
03/17/04 10:07:11.0	21.06
03/17/04 10:37:11.0	21.06
03/17/04 11:07:11.0	21.10
03/17/04 11:37:11.0	21.10
03/17/04 12:07:11.0	21.08
03/17/04 12:37:11.0	21.08
03/17/04 13:07:11.0	21.03
03/17/04 13:37:11.0	21.03
03/17/04 14:07:11.0	21.06
03/17/04 14:37:11.0	21.06
03/17/04 15:07:11.0	21.06
03/17/04 15:37:11.0	21.06
03/17/04 16:07:11.0	21.06
03/17/04 16:37:11.0	21.08
03/17/04 17:07:11.0	21.08
03/17/04 17:37:11.0	21.08
03/17/04 18:07:11.0	21.10
03/17/04 18:37:11.0	21.13
03/17/04 19:07:11.0	21.15
03/17/04 19:37:11.0	21.13
03/17/04 20:07:11.0	21.13
03/17/04 20:37:11.0	21.08
03/17/04 21:07:11.0	21.06
03/17/04 21:37:11.0	21.06
03/17/04 22:07:11.0	21.06
03/17/04 22:37:11.0	21.06
03/17/04 23:07:11.0	21.06
03/17/04 23:37:11.0	21.06
03/18/04 00:07:11.0	21.06
03/18/04 00:37:11.0	21.03
03/18/04 01:07:11.0	20.98
03/18/04 01:37:11.0	20.98
03/18/04 02:07:11.0	20.94
03/18/04 02:37:11.0	20.94
03/18/04 03:07:11.0	20.91
03/18/04 03:37:11.0	20.91
03/18/04 04:07:11.0	20.91
03/18/04 04:37:11.0	20.91
03/18/04 05:07:11.0	20.91
03/18/04 05:37:11.0	20.94
03/18/04 06:07:11.0	20.96
03/18/04 06:37:11.0	20.98
03/18/04 07:07:11.0	21.01
03/18/04 07:37:11.0	21.03
03/18/04 08:07:11.0	21.03

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/18/04 08:37:11.0	21.06
03/18/04 09:07:11.0	21.03
03/18/04 09:37:11.0	21.08
03/18/04 10:07:11.0	21.10
03/18/04 10:37:11.0	21.10
03/18/04 11:07:11.0	21.13
03/18/04 11:37:11.0	21.15
03/18/04 12:07:11.0	21.15
03/18/04 12:37:11.0	21.18
03/18/04 13:07:11.0	21.18
03/18/04 13:37:11.0	21.20
03/18/04 14:07:11.0	21.20
03/18/04 14:37:11.0	21.20
03/18/04 15:07:11.0	21.20
03/18/04 15:37:11.0	21.18
03/18/04 16:07:11.0	21.15
03/18/04 16:37:11.0	21.13
03/18/04 17:07:11.0	21.10
03/18/04 17:37:11.0	21.10
03/18/04 18:07:11.0	21.08
03/18/04 18:37:11.0	21.06
03/18/04 19:07:11.0	21.06
03/18/04 19:37:11.0	21.06
03/18/04 20:07:11.0	21.06
03/18/04 20:37:11.0	21.06
03/18/04 21:07:11.0	21.06
03/18/04 21:37:11.0	21.03
03/18/04 22:07:11.0	21.06
03/18/04 22:37:11.0	21.06
03/18/04 23:07:11.0	21.03
03/18/04 23:37:11.0	21.03
03/19/04 00:07:11.0	21.01
03/19/04 00:37:11.0	20.98
03/19/04 01:07:11.0	20.91
03/19/04 01:37:11.0	20.87
03/19/04 02:07:11.0	20.82
03/19/04 02:37:11.0	20.79
03/19/04 03:07:11.0	20.79
03/19/04 03:37:11.0	20.77
03/19/04 04:07:11.0	20.77
03/19/04 04:37:11.0	20.75
03/19/04 05:07:11.0	20.75
03/19/04 05:37:11.0	20.75
03/19/04 06:07:11.0	20.75
03/19/04 06:37:11.0	20.79
03/19/04 07:07:11.0	20.82
03/19/04 07:37:11.0	20.87
03/19/04 08:07:11.0	20.89
03/19/04 08:37:11.0	20.91
03/19/04 09:07:11.0	20.96
03/19/04 09:37:11.0	20.98
03/19/04 10:07:11.0	21.03
03/19/04 10:37:11.0	21.01
03/19/04 11:07:11.0	21.08

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/19/04 11:37:11.0	21.10
03/19/04 12:07:11.0	21.13
03/19/04 12:37:11.0	21.13
03/19/04 13:07:11.0	21.18
03/19/04 13:37:11.0	21.20
03/19/04 14:07:11.0	21.20
03/19/04 14:37:11.0	21.22
03/19/04 15:07:11.0	21.25
03/19/04 15:37:11.0	21.22
03/19/04 16:07:11.0	21.15
03/19/04 16:37:11.0	21.10
03/19/04 17:07:11.0	21.10
03/19/04 17:37:11.0	21.08
03/19/04 18:07:11.0	21.06
03/19/04 18:37:11.0	21.06
03/19/04 19:07:11.0	21.08
03/19/04 19:37:11.0	21.08
03/19/04 20:07:11.0	21.10
03/19/04 20:37:11.0	21.10
03/19/04 21:07:11.0	21.08
03/19/04 21:37:11.0	21.08
03/19/04 22:07:11.0	21.08
03/19/04 22:37:11.0	21.08
03/19/04 23:07:11.0	21.08
03/19/04 23:37:11.0	21.08
03/20/04 00:07:11.0	21.03
03/20/04 00:37:11.0	21.03
03/20/04 01:07:11.0	20.96
03/20/04 01:37:11.0	20.91
03/20/04 02:07:11.0	20.89
03/20/04 02:37:11.0	20.84
03/20/04 03:07:11.0	20.79
03/20/04 03:37:11.0	20.77
03/20/04 04:07:11.0	20.75
03/20/04 04:37:11.0	20.75
03/20/04 05:07:11.0	20.72
03/20/04 05:37:11.0	20.75
03/20/04 06:07:11.0	20.77
03/20/04 06:37:11.0	20.79
03/20/04 07:07:11.0	20.79
03/20/04 07:37:11.0	20.82
03/20/04 08:07:11.0	20.84
03/20/04 08:37:11.0	20.87
03/20/04 09:07:11.0	20.89
03/20/04 09:37:11.0	20.91
03/20/04 10:07:11.0	20.96
03/20/04 10:37:11.0	20.96
03/20/04 11:07:11.0	21.01
03/20/04 11:37:11.0	21.01
03/20/04 12:07:11.0	21.06
03/20/04 12:37:11.0	21.06
03/20/04 13:07:11.0	21.08
03/20/04 13:37:11.0	21.10
03/20/04 14:07:11.0	21.10

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/20/04 14:37:11.0	21.13
03/20/04 15:07:11.0	21.20
03/20/04 15:37:11.0	21.29
03/20/04 16:07:11.0	21.27
03/20/04 16:37:11.0	21.25
03/20/04 17:07:11.0	21.20
03/20/04 17:37:11.0	21.18
03/20/04 18:07:11.0	21.18
03/20/04 18:37:11.0	21.15
03/20/04 19:07:11.0	21.15
03/20/04 19:37:11.0	21.15
03/20/04 20:07:11.0	21.15
03/20/04 20:37:11.0	21.15
03/20/04 21:07:11.0	21.15
03/20/04 21:37:11.0	21.15
03/20/04 22:07:11.0	21.15
03/20/04 22:37:11.0	21.15
03/20/04 23:07:11.0	21.13
03/20/04 23:37:11.0	21.10
03/21/04 00:07:11.0	21.06
03/21/04 00:37:11.0	21.01
03/21/04 01:07:11.0	20.98
03/21/04 01:37:11.0	20.96
03/21/04 02:07:11.0	20.94
03/21/04 02:37:11.0	20.94
03/21/04 03:07:11.0	20.91
03/21/04 03:37:11.0	20.91
03/21/04 04:07:11.0	20.89
03/21/04 04:37:11.0	20.87
03/21/04 05:07:11.0	20.84
03/21/04 05:37:11.0	20.82
03/21/04 06:07:11.0	20.77
03/21/04 06:37:11.0	20.77
03/21/04 07:07:11.0	20.79
03/21/04 07:37:11.0	20.82
03/21/04 08:07:11.0	20.84
03/21/04 08:37:11.0	20.89
03/21/04 09:07:11.0	20.91
03/21/04 09:37:11.0	20.96
03/21/04 10:07:11.0	21.03
03/21/04 10:37:11.0	21.08
03/21/04 11:07:11.0	21.13
03/21/04 11:37:11.0	21.18
03/21/04 12:07:11.0	21.25
03/21/04 12:37:11.0	21.34
03/21/04 13:07:11.0	21.53
03/21/04 13:37:11.0	21.58
03/21/04 14:07:11.0	21.49
03/21/04 14:37:11.0	21.37
03/21/04 15:07:11.0	21.27
03/21/04 15:37:11.0	21.27
03/21/04 16:07:11.0	21.20
03/21/04 16:37:11.0	21.15
03/21/04 17:07:11.0	21.10

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/21/04 17:37:11.0	21.15
03/21/04 18:07:11.0	21.15
03/21/04 18:37:11.0	21.18
03/21/04 19:07:11.0	21.18
03/21/04 19:37:11.0	21.18
03/21/04 20:07:11.0	21.15
03/21/04 20:37:11.0	21.15
03/21/04 21:07:11.0	21.18
03/21/04 21:37:11.0	21.32
03/21/04 22:07:11.0	21.41
03/21/04 22:37:11.0	21.46
03/21/04 23:07:11.0	21.44
03/21/04 23:37:11.0	21.41
03/22/04 00:07:11.0	21.39
03/22/04 00:37:11.0	21.27
03/22/04 01:07:11.0	21.25
03/22/04 01:37:11.0	21.27
03/22/04 02:07:11.0	21.34
03/22/04 02:37:11.0	21.29
03/22/04 03:07:11.0	20.94
03/22/04 03:37:11.0	20.87
03/22/04 04:07:11.0	20.87
03/22/04 04:37:11.0	20.87
03/22/04 05:07:11.0	20.89
03/22/04 05:37:11.0	20.87
03/22/04 06:07:11.0	20.89
03/22/04 06:37:11.0	20.89
03/22/04 07:07:11.0	20.96
03/22/04 07:37:11.0	20.96
03/22/04 08:07:11.0	21.01
03/22/04 08:37:11.0	21.01
03/22/04 09:07:11.0	21.06
03/22/04 09:37:11.0	21.10
03/22/04 10:07:11.0	21.18
03/22/04 10:37:11.0	21.18
03/22/04 11:07:11.0	21.22
03/22/04 11:37:11.0	21.22
03/22/04 12:07:11.0	21.25
03/22/04 12:37:11.0	21.25
03/22/04 13:07:11.0	21.25
03/22/04 13:37:11.0	21.27
03/22/04 14:07:11.0	21.27
03/22/04 14:37:11.0	21.27
03/22/04 15:07:11.0	21.25
03/22/04 15:37:11.0	21.25
03/22/04 16:07:11.0	21.20
03/22/04 16:37:11.0	21.20
03/22/04 17:07:11.0	21.20
03/22/04 17:37:11.0	21.22
03/22/04 18:07:11.0	21.25
03/22/04 18:37:11.0	21.27
03/22/04 19:07:11.0	21.25
03/22/04 19:37:11.0	21.25
03/22/04 20:07:11.0	21.22

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/22/04 20:37:11.0	21.25
03/22/04 21:07:11.0	21.25
03/22/04 21:37:11.0	21.25
03/22/04 22:07:11.0	21.27
03/22/04 22:37:11.0	21.25
03/22/04 23:07:11.0	21.25
03/22/04 23:37:11.0	21.25
03/23/04 00:07:11.0	21.25
03/23/04 00:37:11.0	21.25
03/23/04 01:07:11.0	21.22
03/23/04 01:37:11.0	21.22
03/23/04 02:07:11.0	21.22
03/23/04 02:37:11.0	21.22
03/23/04 03:07:11.0	21.22
03/23/04 03:37:11.0	21.22
03/23/04 04:07:11.0	21.22
03/23/04 04:37:11.0	21.13
03/23/04 05:07:11.0	21.06
03/23/04 05:37:11.0	21.01
03/23/04 06:07:11.0	21.01
03/23/04 06:37:11.0	21.03
03/23/04 07:07:11.0	21.06
03/23/04 07:37:11.0	21.10
03/23/04 08:07:11.0	21.10
03/23/04 08:37:11.0	21.10
03/23/04 09:07:11.0	21.13
03/23/04 09:37:11.0	21.15
03/23/04 10:07:11.0	21.15
03/23/04 10:37:11.0	21.18
03/23/04 11:07:11.0	21.20
03/23/04 11:37:11.0	21.22
03/23/04 12:07:11.0	21.22
03/23/04 12:37:11.0	21.25
03/23/04 13:07:11.0	21.22
03/23/04 13:37:11.0	21.25
03/23/04 14:07:11.0	21.22
03/23/04 14:37:11.0	21.20
03/23/04 15:07:11.0	21.20
03/23/04 15:37:11.0	21.20
03/23/04 16:07:11.0	21.18
03/23/04 16:37:11.0	21.18
03/23/04 17:07:11.0	21.18
03/23/04 17:37:11.0	21.18
03/23/04 18:07:11.0	21.18
03/23/04 18:37:11.0	21.18
03/23/04 19:07:11.0	21.18
03/23/04 19:37:11.0	21.18
03/23/04 20:07:11.0	21.18
03/23/04 20:37:11.0	21.20
03/23/04 21:07:11.0	21.22
03/23/04 21:37:11.0	21.25
03/23/04 22:07:11.0	21.25
03/23/04 22:37:11.0	21.27
03/23/04 23:07:11.0	21.27

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/23/04 23:37:11.0	21.27
03/24/04 00:07:11.0	21.22
03/24/04 00:37:11.0	21.10
03/24/04 01:07:11.0	21.08
03/24/04 01:37:11.0	21.01
03/24/04 02:07:11.0	21.03
03/24/04 02:37:11.0	21.06
03/24/04 03:07:11.0	21.08
03/24/04 03:37:11.0	21.06
03/24/04 04:07:11.0	21.08
03/24/04 04:37:11.0	21.10
03/24/04 05:07:11.0	21.13
03/24/04 05:37:11.0	21.15
03/24/04 06:07:11.0	21.15
03/24/04 06:37:11.0	21.15
03/24/04 07:07:11.0	21.08
03/24/04 07:37:11.0	21.08
03/24/04 08:07:11.0	21.10
03/24/04 08:37:11.0	21.13
03/24/04 09:07:11.0	21.15
03/24/04 09:37:11.0	21.18
03/24/04 10:07:11.0	21.20
03/24/04 10:37:11.0	21.22
03/24/04 11:07:11.0	21.25
03/24/04 11:37:11.0	21.25
03/24/04 12:07:11.0	21.27
03/24/04 12:37:11.0	21.29
03/24/04 13:07:11.0	21.29
03/24/04 13:37:11.0	21.27
03/24/04 14:07:11.0	21.27
03/24/04 14:37:11.0	21.27
03/24/04 15:07:11.0	21.27
03/24/04 15:37:11.0	21.27
03/24/04 16:07:11.0	21.27
03/24/04 16:37:11.0	21.25
03/24/04 17:07:11.0	21.25
03/24/04 17:37:11.0	21.25
03/24/04 18:07:11.0	21.27
03/24/04 18:37:11.0	21.27
03/24/04 19:07:11.0	21.27
03/24/04 19:37:11.0	21.29
03/24/04 20:07:11.0	21.29
03/24/04 20:37:11.0	21.34
03/24/04 21:07:11.0	21.37
03/24/04 21:37:11.0	21.37
03/24/04 22:07:11.0	21.37
03/24/04 22:37:11.0	21.37
03/24/04 23:07:11.0	21.37
03/24/04 23:37:11.0	21.34
03/25/04 00:07:11.0	21.32
03/25/04 00:37:11.0	21.29
03/25/04 01:07:11.0	21.27
03/25/04 01:37:11.0	21.25
03/25/04 02:07:11.0	21.25

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/25/04 02:37:11.0	21.22
03/25/04 03:07:11.0	21.22
03/25/04 03:37:11.0	21.22
03/25/04 04:07:11.0	21.20
03/25/04 04:37:11.0	21.20
03/25/04 05:07:11.0	21.18
03/25/04 05:37:11.0	21.15
03/25/04 06:07:11.0	21.18
03/25/04 06:37:11.0	21.20
03/25/04 07:07:11.0	21.22
03/25/04 07:37:11.0	21.22
03/25/04 08:07:11.0	21.20
03/25/04 08:37:11.0	21.10
03/25/04 09:07:11.0	21.03
03/25/04 09:37:11.0	21.03
03/25/04 10:07:11.0	21.03
03/25/04 10:37:11.0	21.06
03/25/04 11:07:11.0	21.06
03/25/04 11:37:11.0	21.10
03/25/04 12:07:11.0	21.15
03/25/04 12:37:11.0	21.15
03/25/04 13:07:11.0	21.20
03/25/04 13:37:11.0	21.20
03/25/04 14:07:11.0	21.22
03/25/04 14:37:11.0	21.22
03/25/04 15:07:11.0	21.25
03/25/04 15:37:11.0	21.25
03/25/04 16:07:11.0	21.25
03/25/04 16:37:11.0	21.27
03/25/04 17:07:11.0	21.27
03/25/04 17:37:11.0	21.27
03/25/04 18:07:11.0	21.29
03/25/04 18:37:11.0	21.29
03/25/04 19:07:11.0	21.32
03/25/04 19:37:11.0	21.34
03/25/04 20:07:11.0	21.39
03/25/04 20:37:11.0	21.41
03/25/04 21:07:11.0	21.44
03/25/04 21:37:11.0	21.46
03/25/04 22:07:11.0	21.49
03/25/04 22:37:11.0	21.51
03/25/04 23:07:11.0	21.49
03/25/04 23:37:11.0	21.46
03/26/04 00:07:11.0	21.41
03/26/04 00:37:11.0	21.37
03/26/04 01:07:11.0	21.37
03/26/04 01:37:11.0	21.32
03/26/04 02:07:11.0	21.32
03/26/04 02:37:11.0	21.32
03/26/04 03:07:11.0	21.32
03/26/04 03:37:11.0	21.32
03/26/04 04:07:11.0	21.34
03/26/04 04:37:11.0	21.39
03/26/04 05:07:11.0	21.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/26/04 05:37:11.0	21.41
03/26/04 06:07:11.0	21.44
03/26/04 06:37:11.0	21.44
03/26/04 07:07:11.0	21.44
03/26/04 07:37:11.0	21.46
03/26/04 08:07:11.0	21.49
03/26/04 08:37:11.0	21.51
03/26/04 09:07:11.0	21.51
03/26/04 09:37:11.0	21.51
03/26/04 10:07:11.0	21.49
03/26/04 10:37:11.0	21.46
03/26/04 11:07:11.0	21.46
03/26/04 11:37:11.0	21.44
03/26/04 12:07:11.0	21.46
03/26/04 12:37:11.0	21.49
03/26/04 13:07:11.0	21.46
03/26/04 13:37:11.0	21.49
03/26/04 14:07:11.0	21.49
03/26/04 14:37:11.0	21.51
03/26/04 15:07:11.0	21.51
03/26/04 15:37:11.0	21.51
03/26/04 16:07:11.0	21.49
03/26/04 16:37:11.0	21.49
03/26/04 17:07:11.0	21.49
03/26/04 17:37:11.0	21.51
03/26/04 18:07:11.0	21.51
03/26/04 18:37:11.0	21.51
03/26/04 19:07:11.0	21.51
03/26/04 19:37:11.0	21.53
03/26/04 20:07:11.0	21.53
03/26/04 20:37:11.0	21.53
03/26/04 21:07:11.0	21.56
03/26/04 21:37:11.0	21.56
03/26/04 22:07:11.0	21.60
03/26/04 22:37:11.0	21.63
03/26/04 23:07:11.0	21.58
03/26/04 23:37:11.0	21.53
03/27/04 00:07:11.0	21.51
03/27/04 00:37:11.0	21.49
03/27/04 01:07:11.0	21.44
03/27/04 01:37:11.0	21.41
03/27/04 02:07:11.0	21.41
03/27/04 02:37:11.0	21.44
03/27/04 03:07:11.0	21.46
03/27/04 03:37:11.0	21.51
03/27/04 04:07:11.0	21.51
03/27/04 04:37:11.0	21.51
03/27/04 05:07:11.0	21.51
03/27/04 05:37:11.0	21.49
03/27/04 06:07:11.0	21.51
03/27/04 06:37:11.0	21.53
03/27/04 07:07:11.0	21.51
03/27/04 07:37:11.0	21.51
03/27/04 08:07:11.0	21.53

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/27/04 08:37:11.0	21.53
03/27/04 09:07:11.0	21.53
03/27/04 09:37:11.0	21.56
03/27/04 10:07:11.0	21.58
03/27/04 10:37:11.0	21.60
03/27/04 11:07:11.0	21.60
03/27/04 11:37:11.0	21.60
03/27/04 12:07:11.0	21.58
03/27/04 12:37:11.0	21.58
03/27/04 13:07:11.0	21.58
03/27/04 13:37:11.0	21.58
03/27/04 14:07:11.0	21.60
03/27/04 14:37:11.0	21.58
03/27/04 15:07:11.0	21.58
03/27/04 15:37:11.0	21.58
03/27/04 16:07:11.0	21.58
03/27/04 16:37:11.0	21.58
03/27/04 17:07:11.0	21.58
03/27/04 17:37:11.0	21.60
03/27/04 18:07:11.0	21.60
03/27/04 18:37:11.0	21.63
03/27/04 19:07:11.0	21.63
03/27/04 19:37:11.0	21.63
03/27/04 20:07:11.0	21.63
03/27/04 20:37:11.0	21.63
03/27/04 21:07:11.0	21.63
03/27/04 21:37:11.0	21.60
03/27/04 22:07:11.0	21.56
03/27/04 22:37:11.0	21.41
03/27/04 23:07:11.0	21.18
03/27/04 23:37:11.0	20.91
03/28/04 00:07:11.0	20.75
03/28/04 00:37:11.0	20.70
03/28/04 01:07:11.0	20.67
03/28/04 01:37:11.0	20.67
03/28/04 02:07:11.0	20.70
03/28/04 02:37:11.0	20.75
03/28/04 03:07:11.0	20.82
03/28/04 03:37:11.0	20.91
03/28/04 04:07:11.0	21.27
03/28/04 04:37:11.0	21.32
03/28/04 05:07:11.0	21.41
03/28/04 05:37:11.0	21.53
03/28/04 06:07:11.0	21.56
03/28/04 06:37:11.0	21.58
03/28/04 07:07:11.0	21.60
03/28/04 07:37:11.0	21.63
03/28/04 08:07:11.0	21.65
03/28/04 08:37:11.0	21.68
03/28/04 09:07:11.0	21.68
03/28/04 09:37:11.0	21.68
03/28/04 10:07:11.0	21.72
03/28/04 10:37:11.0	21.77
03/28/04 11:07:11.0	21.80

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/28/04 11:37:11.0	21.80
03/28/04 12:07:11.0	21.80
03/28/04 12:37:11.0	21.75
03/28/04 13:07:11.0	21.75
03/28/04 13:37:11.0	21.72
03/28/04 14:07:11.0	21.72
03/28/04 14:37:11.0	21.70
03/28/04 15:07:11.0	21.72
03/28/04 15:37:11.0	21.75
03/28/04 16:07:11.0	21.72
03/28/04 16:37:11.0	21.70
03/28/04 17:07:11.0	21.68
03/28/04 17:37:11.0	21.70
03/28/04 18:07:11.0	21.70
03/28/04 18:37:11.0	21.72
03/28/04 19:07:11.0	21.70
03/28/04 19:37:11.0	21.65
03/28/04 20:07:11.0	21.56
03/28/04 20:37:11.0	21.34
03/28/04 21:07:11.0	21.10
03/28/04 21:37:11.0	21.08
03/28/04 22:07:11.0	21.01
03/28/04 22:37:11.0	20.94
03/28/04 23:07:11.0	20.91
03/28/04 23:37:11.0	20.94
03/29/04 00:07:11.0	20.96
03/29/04 00:37:11.0	21.01
03/29/04 01:07:11.0	21.03
03/29/04 01:37:11.0	21.08
03/29/04 02:07:11.0	21.13
03/29/04 02:37:11.0	21.15
03/29/04 03:07:11.0	21.20
03/29/04 03:37:11.0	21.25
03/29/04 04:07:11.0	21.34
03/29/04 04:37:11.0	21.39
03/29/04 05:07:11.0	21.41
03/29/04 05:37:11.0	21.49
03/29/04 06:07:11.0	21.49
03/29/04 06:37:11.0	21.58
03/29/04 07:07:11.0	21.63
03/29/04 07:37:11.0	21.65
03/29/04 08:07:11.0	21.70
03/29/04 08:37:11.0	21.75
03/29/04 09:07:11.0	21.80
03/29/04 09:37:11.0	21.72
03/29/04 10:07:11.0	21.70
03/29/04 10:37:11.0	21.70
03/29/04 11:07:11.0	21.77
03/29/04 11:37:11.0	21.75
03/29/04 12:07:11.0	21.77
03/29/04 12:37:11.0	21.80
03/29/04 13:07:11.0	21.80
03/29/04 13:37:11.0	21.80
03/29/04 14:07:11.0	21.75

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/29/04 14:37:11.0	21.70
03/29/04 15:07:11.0	21.70
03/29/04 15:37:11.0	21.68
03/29/04 16:07:11.0	21.65
03/29/04 16:37:11.0	21.68
03/29/04 17:07:11.0	21.70
03/29/04 17:37:11.0	21.70
03/29/04 18:07:11.0	21.70
03/29/04 18:37:11.0	21.70
03/29/04 19:07:11.0	21.80
03/29/04 19:37:11.0	21.80
03/29/04 20:07:11.0	21.77
03/29/04 20:37:11.0	21.75
03/29/04 21:07:11.0	21.72
03/29/04 21:37:11.0	21.58
03/29/04 22:07:11.0	21.53
03/29/04 22:37:11.0	21.37
03/29/04 23:07:11.0	21.37
03/29/04 23:37:11.0	21.32
03/30/04 00:07:11.0	21.25
03/30/04 00:37:11.0	21.41
03/30/04 01:07:11.0	21.53
03/30/04 01:37:11.0	21.63
03/30/04 02:07:11.0	21.75
03/30/04 02:37:11.0	21.80
03/30/04 03:07:11.0	21.72
03/30/04 03:37:11.0	21.68
03/30/04 04:07:11.0	21.70
03/30/04 04:37:11.0	21.65
03/30/04 05:07:11.0	21.58
03/30/04 05:37:11.0	21.63
03/30/04 06:07:11.0	21.70
03/30/04 06:37:11.0	21.70
03/30/04 07:07:11.0	21.75
03/30/04 07:37:11.0	21.75
03/30/04 08:07:11.0	21.70
03/30/04 08:37:11.0	21.60
03/30/04 09:07:11.0	21.53
03/30/04 09:37:11.0	21.56
03/30/04 10:07:11.0	21.70
03/30/04 10:37:11.0	21.75
03/30/04 11:07:11.0	21.77
03/30/04 11:37:11.0	21.77
03/30/04 12:07:11.0	21.77
03/30/04 12:37:11.0	21.77
03/30/04 13:07:11.0	21.77
03/30/04 13:37:11.0	21.77
03/30/04 14:07:11.0	21.80
03/30/04 14:37:11.0	21.80
03/30/04 15:07:11.0	21.80
03/30/04 15:37:11.0	21.80
03/30/04 16:07:11.0	21.77
03/30/04 16:37:11.0	21.80
03/30/04 17:07:11.0	21.77

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/30/04 17:37:11.0	21.75
03/30/04 18:07:11.0	21.75
03/30/04 18:37:11.0	21.68
03/30/04 19:07:11.0	21.60
03/30/04 19:37:11.0	21.49
03/30/04 20:07:11.0	21.37
03/30/04 20:37:11.0	21.27
03/30/04 21:07:11.0	21.25
03/30/04 21:37:11.0	21.22
03/30/04 22:07:11.0	21.27
03/30/04 22:37:11.0	21.25
03/30/04 23:07:11.0	21.25
03/30/04 23:37:11.0	21.34
03/31/04 00:07:11.0	21.44
03/31/04 00:37:11.0	21.44
03/31/04 01:07:11.0	21.44
03/31/04 01:37:11.0	21.46
03/31/04 02:07:11.0	21.51
03/31/04 02:37:11.0	21.53
03/31/04 03:07:11.0	21.56
03/31/04 03:37:11.0	21.53
03/31/04 04:07:11.0	21.56
03/31/04 04:37:11.0	21.58
03/31/04 05:07:11.0	21.60
03/31/04 05:37:11.0	21.63
03/31/04 06:07:11.0	21.65
03/31/04 06:37:11.0	21.70
03/31/04 07:07:11.0	21.75
03/31/04 07:37:11.0	21.80
03/31/04 08:07:11.0	21.82
03/31/04 08:37:11.0	21.84
03/31/04 09:07:11.0	21.84
03/31/04 09:37:11.0	21.87
03/31/04 10:07:11.0	21.89
03/31/04 10:37:11.0	21.92
03/31/04 11:07:11.0	21.92
03/31/04 11:37:11.0	21.96
03/31/04 12:07:11.0	21.96
03/31/04 12:37:11.0	21.99
03/31/04 13:07:11.0	22.03
03/31/04 13:37:11.0	22.03
03/31/04 14:07:11.0	22.03
03/31/04 14:37:11.0	22.01
03/31/04 15:07:11.0	21.96
03/31/04 15:37:11.0	21.92
03/31/04 16:07:11.0	21.77
03/31/04 16:37:11.0	21.72
03/31/04 17:07:11.0	21.72
03/31/04 17:37:11.0	21.70
03/31/04 18:07:11.0	21.70
03/31/04 18:37:11.0	21.70
03/31/04 19:07:11.0	21.70
03/31/04 19:37:11.0	21.72
03/31/04 20:07:11.0	21.75

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
03/31/04 20:37:11.0	21.77
03/31/04 21:07:11.0	21.77
03/31/04 21:37:11.0	21.75
03/31/04 22:07:11.0	21.72
03/31/04 22:37:11.0	21.70
03/31/04 23:07:11.0	21.70
03/31/04 23:37:11.0	21.70
04/01/04 00:07:11.0	21.72
04/01/04 00:37:11.0	21.72
04/01/04 01:07:11.0	21.75
04/01/04 01:37:11.0	21.75
04/01/04 02:07:11.0	21.75
04/01/04 02:37:11.0	21.75
04/01/04 03:07:11.0	21.75
04/01/04 03:37:11.0	21.75
04/01/04 04:07:11.0	21.77
04/01/04 04:37:11.0	21.75
04/01/04 05:07:11.0	21.77
04/01/04 05:37:11.0	21.77
04/01/04 06:07:11.0	21.77
04/01/04 06:37:11.0	21.80
04/01/04 07:07:11.0	21.80
04/01/04 07:37:11.0	21.82
04/01/04 08:07:11.0	21.82
04/01/04 08:37:11.0	21.84
04/01/04 09:07:11.0	21.87
04/01/04 09:37:11.0	21.87
04/01/04 10:07:11.0	21.92
04/01/04 10:37:11.0	21.94
04/01/04 11:07:11.0	21.99
04/01/04 11:37:11.0	22.01
04/01/04 12:07:11.0	21.99
04/01/04 12:37:11.0	22.03
04/01/04 13:07:11.0	22.06
04/01/04 13:37:11.0	22.03
04/01/04 14:07:11.0	22.06
04/01/04 14:37:11.0	21.99
04/01/04 15:07:11.0	22.01
04/01/04 15:37:11.0	22.01
04/01/04 16:07:11.0	21.96
04/01/04 16:37:11.0	21.96
04/01/04 17:07:11.0	21.92
04/01/04 17:37:11.0	21.92
04/01/04 18:07:11.0	21.89
04/01/04 18:37:11.0	21.84
04/01/04 19:07:11.0	21.75
04/01/04 19:37:11.0	21.70
04/01/04 20:07:11.0	21.68
04/01/04 20:37:11.0	21.68
04/01/04 21:07:11.0	21.68
04/01/04 21:37:11.0	21.68
04/01/04 22:07:11.0	21.68
04/01/04 22:37:11.0	21.68
04/01/04 23:07:11.0	21.70

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/01/04 23:37:11.0	21.72
04/02/04 00:07:11.0	21.77
04/02/04 00:37:11.0	21.77
04/02/04 01:07:11.0	21.77
04/02/04 01:37:11.0	21.75
04/02/04 02:07:11.0	21.75
04/02/04 02:37:11.0	21.75
04/02/04 03:07:11.0	21.75
04/02/04 03:37:11.0	21.77
04/02/04 04:07:11.0	21.77
04/02/04 04:37:11.0	21.77
04/02/04 05:07:11.0	21.80
04/02/04 05:37:11.0	21.80
04/02/04 06:07:11.0	21.82
04/02/04 06:37:11.0	21.82
04/02/04 07:07:11.0	21.82
04/02/04 07:37:11.0	21.87
04/02/04 08:07:11.0	21.87
04/02/04 08:37:11.0	21.89
04/02/04 09:07:11.0	21.94
04/02/04 09:37:11.0	21.94
04/02/04 10:07:11.0	21.99
04/02/04 10:37:11.0	22.01
04/02/04 11:07:11.0	22.01
04/02/04 11:37:11.0	22.03
04/02/04 12:07:11.0	22.06
04/02/04 12:37:11.0	22.06
04/02/04 13:07:11.0	22.08
04/02/04 13:37:11.0	22.08
04/02/04 14:07:11.0	22.08
04/02/04 14:37:11.0	22.01
04/02/04 15:07:11.0	21.99
04/02/04 15:37:11.0	21.96
04/02/04 16:07:11.0	21.94
04/02/04 16:37:11.0	21.92
04/02/04 17:07:11.0	21.89
04/02/04 17:37:11.0	21.87
04/02/04 18:07:11.0	21.84
04/02/04 18:37:11.0	21.84
04/02/04 19:07:11.0	21.84
04/02/04 19:37:11.0	21.84
04/02/04 20:07:11.0	21.84
04/02/04 20:37:11.0	21.84
04/02/04 21:07:11.0	21.84
04/02/04 21:37:11.0	21.87
04/02/04 22:07:11.0	21.87
04/02/04 22:37:11.0	21.87
04/02/04 23:07:11.0	21.87
04/02/04 23:37:11.0	21.87
04/03/04 00:07:11.0	21.89
04/03/04 00:37:11.0	21.87
04/03/04 01:07:11.0	21.89
04/03/04 01:37:11.0	21.89
04/03/04 02:07:11.0	21.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/03/04 02:37:11.0	21.80
04/03/04 03:07:11.0	21.77
04/03/04 03:37:11.0	21.80
04/03/04 04:07:11.0	21.82
04/03/04 04:37:11.0	21.82
04/03/04 05:07:11.0	21.82
04/03/04 05:37:11.0	21.82
04/03/04 06:07:11.0	21.82
04/03/04 06:37:11.0	21.82
04/03/04 07:07:11.0	21.82
04/03/04 07:37:11.0	21.84
04/03/04 08:07:11.0	21.87
04/03/04 08:37:11.0	21.87
04/03/04 09:07:11.0	21.89
04/03/04 09:37:11.0	21.92
04/03/04 10:07:11.0	21.87
04/03/04 10:37:11.0	21.87
04/03/04 11:07:11.0	21.87
04/03/04 11:37:11.0	21.89
04/03/04 12:07:11.0	21.92
04/03/04 12:37:11.0	21.92
04/03/04 13:07:11.0	21.94
04/03/04 13:37:11.0	21.94
04/03/04 14:07:11.0	21.94
04/03/04 14:37:11.0	21.92
04/03/04 15:07:11.0	21.94
04/03/04 15:37:11.0	21.89
04/03/04 16:07:11.0	21.92
04/03/04 16:37:11.0	21.94
04/03/04 17:07:11.0	21.92
04/03/04 17:37:11.0	21.89
04/03/04 18:07:11.0	21.89
04/03/04 18:37:11.0	21.89
04/03/04 19:07:11.0	21.92
04/03/04 19:37:11.0	21.94
04/03/04 20:07:11.0	21.96
04/03/04 20:37:11.0	21.96
04/03/04 21:07:11.0	21.96
04/03/04 21:37:11.0	21.96
04/03/04 22:07:11.0	22.01
04/03/04 22:37:11.0	22.06
04/03/04 23:07:11.0	22.08
04/03/04 23:37:11.0	22.11
04/04/04 00:07:11.0	22.11
04/04/04 00:37:11.0	22.13
04/04/04 01:07:11.0	22.13
04/04/04 01:37:11.0	22.13
04/04/04 03:07:11.0	22.13
04/04/04 03:37:11.0	22.15
04/04/04 04:07:11.0	22.15
04/04/04 04:37:11.0	22.15
04/04/04 05:07:11.0	22.15
04/04/04 05:37:11.0	22.15
04/04/04 06:07:11.0	22.15

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/04/04 06:37:11.0	22.15
04/04/04 07:07:11.0	22.15
04/04/04 07:37:11.0	22.13
04/04/04 08:07:11.0	22.11
04/04/04 08:37:11.0	22.11
04/04/04 09:07:11.0	22.11
04/04/04 09:37:11.0	22.01
04/04/04 10:07:11.0	21.92
04/04/04 10:37:11.0	21.89
04/04/04 11:07:11.0	21.87
04/04/04 11:37:11.0	21.87
04/04/04 12:07:11.0	21.87
04/04/04 12:37:11.0	21.89
04/04/04 13:07:11.0	21.92
04/04/04 13:37:11.0	21.94
04/04/04 14:07:11.0	21.96
04/04/04 14:37:11.0	21.96
04/04/04 15:07:11.0	22.01
04/04/04 15:37:11.0	22.03
04/04/04 16:07:11.0	22.06
04/04/04 16:37:11.0	22.01
04/04/04 17:07:11.0	21.99
04/04/04 17:37:11.0	21.96
04/04/04 18:07:11.0	21.94
04/04/04 18:37:11.0	21.92
04/04/04 19:07:11.0	21.92
04/04/04 19:37:11.0	21.92
04/04/04 20:07:11.0	21.94
04/04/04 20:37:11.0	21.94
04/04/04 21:07:11.0	21.94
04/04/04 21:37:11.0	21.94
04/04/04 22:07:11.0	21.96
04/04/04 22:37:11.0	21.96
04/04/04 23:07:11.0	21.96
04/04/04 23:37:11.0	21.96
04/05/04 00:07:11.0	21.96
04/05/04 00:37:11.0	21.99
04/05/04 01:07:11.0	22.01
04/05/04 01:37:11.0	21.99
04/05/04 02:07:11.0	21.96
04/05/04 02:37:11.0	21.96
04/05/04 03:07:11.0	21.96
04/05/04 03:37:11.0	21.96
04/05/04 04:07:11.0	21.96
04/05/04 04:37:11.0	21.99
04/05/04 05:07:11.0	21.99
04/05/04 05:37:11.0	21.99
04/05/04 06:07:11.0	22.01
04/05/04 06:37:11.0	22.01
04/05/04 07:07:11.0	22.01
04/05/04 07:37:11.0	22.01
04/05/04 08:07:11.0	22.01
04/05/04 08:37:11.0	22.03
04/05/04 09:07:11.0	22.03

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/05/04 09:37:11.0	22.06
04/05/04 10:07:11.0	22.06
04/05/04 10:37:11.0	22.06
04/05/04 11:07:11.0	22.06
04/05/04 11:37:11.0	22.06
04/05/04 12:07:11.0	22.06
04/05/04 12:37:11.0	22.06
04/05/04 13:07:11.0	22.06
04/05/04 13:37:11.0	22.06
04/05/04 14:07:11.0	22.08
04/05/04 14:37:11.0	22.08
04/05/04 15:07:11.0	22.11
04/05/04 15:37:11.0	22.11
04/05/04 16:07:11.0	22.13
04/05/04 16:37:11.0	22.11
04/05/04 17:07:11.0	22.08
04/05/04 17:37:11.0	22.06
04/05/04 18:07:11.0	22.06
04/05/04 18:37:11.0	22.08
04/05/04 19:07:11.0	22.06
04/05/04 19:37:11.0	22.03
04/05/04 20:07:11.0	22.03
04/05/04 20:37:11.0	22.03
04/05/04 21:07:11.0	22.03
04/05/04 21:37:11.0	22.03
04/05/04 22:07:11.0	22.06
04/05/04 22:37:11.0	22.06
04/05/04 23:07:11.0	22.06
04/05/04 23:37:11.0	22.06
04/06/04 00:07:11.0	22.06
04/06/04 00:37:11.0	22.06
04/06/04 01:07:11.0	22.06
04/06/04 01:37:11.0	22.03
04/06/04 02:07:11.0	22.03
04/06/04 02:37:11.0	22.01
04/06/04 03:07:11.0	22.03
04/06/04 03:37:11.0	22.03
04/06/04 04:07:11.0	22.03
04/06/04 04:37:11.0	22.03
04/06/04 05:07:11.0	22.03
04/06/04 05:37:11.0	22.03
04/06/04 06:07:11.0	22.03
04/06/04 06:37:11.0	22.06
04/06/04 07:07:11.0	22.06
04/06/04 07:37:11.0	22.08
04/06/04 08:07:11.0	22.11
04/06/04 08:37:11.0	22.13
04/06/04 09:07:11.0	22.18
04/06/04 09:37:11.0	22.20
04/06/04 10:07:11.0	22.20
04/06/04 10:37:11.0	22.30
04/06/04 11:07:11.0	22.37
04/06/04 11:37:11.0	22.37
04/06/04 12:07:11.0	22.37

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	**Temperature (ºC)**
04/06/04 12:37:11.0	22.37
04/06/04 13:07:11.0	22.37
04/06/04 13:37:11.0	22.30
04/06/04 14:07:11.0	22.30
04/06/04 14:37:11.0	22.25
04/06/04 15:07:11.0	22.23
04/06/04 15:37:11.0	22.20
04/06/04 16:07:11.0	22.15
04/06/04 16:37:11.0	22.13
04/06/04 17:07:11.0	22.08
04/06/04 17:37:11.0	22.08
04/06/04 18:07:11.0	22.08
04/06/04 18:37:11.0	22.08
04/06/04 19:07:11.0	22.11
04/06/04 19:37:11.0	22.11
04/06/04 20:07:11.0	22.13
04/06/04 20:37:11.0	22.13
04/06/04 21:07:11.0	22.13
04/06/04 21:37:11.0	22.13
04/06/04 22:07:11.0	22.13
04/06/04 22:37:11.0	22.13
04/06/04 23:07:11.0	22.13
04/06/04 23:37:11.0	22.15
04/07/04 00:07:11.0	22.15
04/07/04 00:37:11.0	22.15
04/07/04 01:07:11.0	22.15
04/07/04 01:37:11.0	22.18
04/07/04 02:07:11.0	22.18
04/07/04 02:37:11.0	22.20
04/07/04 03:07:11.0	22.27
04/07/04 03:37:11.0	22.30
04/07/04 04:07:11.0	22.30
04/07/04 04:37:11.0	22.13
04/07/04 05:07:11.0	22.08
04/07/04 05:37:11.0	22.08
04/07/04 06:07:11.0	22.08
04/07/04 06:37:11.0	22.08
04/07/04 07:07:11.0	22.06
04/07/04 07:37:11.0	22.03
04/07/04 08:07:11.0	22.06
04/07/04 08:37:11.0	22.15
04/07/04 09:07:11.0	22.18
04/07/04 09:37:11.0	22.20
04/07/04 10:07:11.0	22.27
04/07/04 10:37:11.0	22.25
04/07/04 11:07:11.0	22.23
04/07/04 11:37:11.0	22.25
04/07/04 12:07:11.0	22.27
04/07/04 12:37:11.0	22.27
04/07/04 13:07:11.0	22.30
04/07/04 13:37:11.0	22.32
04/07/04 14:07:11.0	22.35
04/07/04 14:37:11.0	22.32
04/07/04 15:07:11.0	22.25

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/07/04 15:37:11.0	22.20
04/07/04 16:07:11.0	22.18
04/07/04 16:37:11.0	22.13
04/07/04 17:07:11.0	22.11
04/07/04 17:37:11.0	22.08
04/07/04 18:07:11.0	22.08
04/07/04 18:37:11.0	22.08
04/07/04 19:07:11.0	22.08
04/07/04 19:37:11.0	22.08
04/07/04 20:07:11.0	22.08
04/07/04 20:37:11.0	22.11
04/07/04 21:07:11.0	22.11
04/07/04 21:37:11.0	22.11
04/07/04 22:07:11.0	22.11
04/07/04 22:37:11.0	22.11
04/07/04 23:07:11.0	22.11
04/07/04 23:37:11.0	22.13
04/08/04 00:07:11.0	22.13
04/08/04 00:37:11.0	22.13
04/08/04 01:07:11.0	22.13
04/08/04 01:37:11.0	22.13
04/08/04 02:07:11.0	22.15
04/08/04 02:37:11.0	22.15
04/08/04 03:07:11.0	22.15
04/08/04 03:37:11.0	22.15
04/08/04 04:07:11.0	22.15
04/08/04 04:37:11.0	22.18
04/08/04 05:07:11.0	22.18
04/08/04 05:37:11.0	22.23
04/08/04 06:07:11.0	22.27
04/08/04 06:37:11.0	22.30
04/08/04 07:07:11.0	22.30
04/08/04 07:37:11.0	22.32
04/08/04 08:07:11.0	22.32
04/08/04 08:37:11.0	22.35
04/08/04 09:07:11.0	22.35
04/08/04 09:37:11.0	22.37
04/08/04 10:07:11.0	22.37
04/08/04 10:37:11.0	22.32
04/08/04 11:07:11.0	22.32
04/08/04 11:37:11.0	22.32
04/08/04 12:07:11.0	22.32
04/08/04 12:37:11.0	22.35
04/08/04 13:07:11.0	22.37
04/08/04 13:37:11.0	22.35
04/08/04 14:07:11.0	22.30
04/08/04 14:37:11.0	22.30
04/08/04 15:07:11.0	22.30
04/08/04 15:37:11.0	22.30
04/08/04 16:07:11.0	22.32
04/08/04 16:37:11.0	22.32
04/08/04 17:07:11.0	22.32
04/08/04 17:37:11.0	22.32
04/08/04 18:07:11.0	22.32

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/08/04 18:37:11.0	22.32
04/08/04 19:07:11.0	22.30
04/08/04 19:37:11.0	22.30
04/08/04 20:07:11.0	22.27
04/08/04 20:37:11.0	22.25
04/08/04 21:07:11.0	22.25
04/08/04 21:37:11.0	22.23
04/08/04 22:07:11.0	22.20
04/08/04 22:37:11.0	22.20
04/08/04 23:07:11.0	22.18
04/08/04 23:37:11.0	22.15
04/09/04 00:07:11.0	22.13
04/09/04 00:37:11.0	22.08
04/09/04 01:07:11.0	22.03
04/09/04 01:37:11.0	21.99
04/09/04 02:07:11.0	21.94
04/09/04 02:37:11.0	21.94
04/09/04 03:07:11.0	21.94
04/09/04 03:37:11.0	21.96
04/09/04 04:07:11.0	21.96
04/09/04 04:37:11.0	21.96
04/09/04 05:07:11.0	21.96
04/09/04 05:37:11.0	21.96
04/09/04 06:07:11.0	21.96
04/09/04 06:37:11.0	21.96
04/09/04 07:07:11.0	21.96
04/09/04 07:37:11.0	21.99
04/09/04 08:07:11.0	21.99
04/09/04 08:37:11.0	22.01
04/09/04 09:07:11.0	22.01
04/09/04 09:37:11.0	22.03
04/09/04 10:07:11.0	22.08
04/09/04 10:37:11.0	22.13
04/09/04 11:07:11.0	22.18
04/09/04 11:37:11.0	22.49
04/09/04 12:07:11.0	22.49
04/09/04 12:37:11.0	22.51
04/09/04 13:07:11.0	22.54
04/09/04 13:37:11.0	22.47
04/09/04 14:07:11.0	22.54
04/09/04 14:37:11.0	22.56
04/09/04 15:07:11.0	22.61
04/09/04 15:37:11.0	22.63
04/09/04 16:07:11.0	22.49
04/09/04 16:37:11.0	22.37
04/09/04 17:07:11.0	22.35
04/09/04 17:37:11.0	22.27
04/09/04 18:07:11.0	22.23
04/09/04 18:37:11.0	22.20
04/09/04 19:07:11.0	22.20
04/09/04 19:37:11.0	22.11
04/09/04 20:07:11.0	21.99
04/09/04 20:37:11.0	21.99
04/09/04 21:07:11.0	21.96

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/09/04 21:37:11.0	21.99
04/09/04 22:07:11.0	22.01
04/09/04 22:37:11.0	22.06
04/09/04 23:07:11.0	22.08
04/09/04 23:37:11.0	22.08
04/10/04 00:07:11.0	22.08
04/10/04 00:37:11.0	22.08
04/10/04 01:07:11.0	22.11
04/10/04 01:37:11.0	22.11
04/10/04 02:07:11.0	22.08
04/10/04 02:37:11.0	22.08
04/10/04 03:07:11.0	22.06
04/10/04 03:37:11.0	22.06
04/10/04 04:07:11.0	22.06
04/10/04 04:37:11.0	22.06
04/10/04 05:07:11.0	22.06
04/10/04 05:37:11.0	22.06
04/10/04 06:07:11.0	22.06
04/10/04 06:37:11.0	22.08
04/10/04 07:07:11.0	22.08
04/10/04 07:37:11.0	22.08
04/10/04 08:07:11.0	22.11
04/10/04 08:37:11.0	22.13
04/10/04 09:07:11.0	22.13
04/10/04 09:37:11.0	22.06
04/10/04 10:07:11.0	22.06
04/10/04 10:37:11.0	22.11
04/10/04 11:07:11.0	22.11
04/10/04 11:37:11.0	22.15
04/10/04 12:07:11.0	22.18
04/10/04 12:37:11.0	22.27
04/10/04 13:07:11.0	22.37
04/10/04 13:37:11.0	22.42
04/10/04 14:07:11.0	22.44
04/10/04 14:37:11.0	22.47
04/10/04 15:07:11.0	22.32
04/10/04 15:37:11.0	22.15
04/10/04 16:07:11.0	22.01
04/10/04 16:37:11.0	21.92
04/10/04 17:07:11.0	21.84
04/10/04 17:37:11.0	21.84
04/10/04 18:07:11.0	21.87
04/10/04 18:37:11.0	21.94
04/10/04 19:07:11.0	21.94
04/10/04 19:37:11.0	21.94
04/10/04 20:07:11.0	21.94
04/10/04 20:37:11.0	21.94
04/10/04 21:07:11.0	21.94
04/10/04 21:37:11.0	21.96
04/10/04 22:07:11.0	21.99
04/10/04 22:37:11.0	21.99
04/10/04 23:07:11.0	22.01
04/10/04 23:37:11.0	22.01
04/11/04 00:07:11.0	22.03

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/11/04 00:37:11.0	22.01
04/11/04 01:07:11.0	21.96
04/11/04 01:37:11.0	21.94
04/11/04 02:07:11.0	21.94
04/11/04 02:37:11.0	21.92
04/11/04 03:07:11.0	21.94
04/11/04 03:37:11.0	21.94
04/11/04 04:07:11.0	21.94
04/11/04 04:37:11.0	21.96
04/11/04 05:07:11.0	21.96
04/11/04 05:37:11.0	21.99
04/11/04 06:07:11.0	21.99
04/11/04 06:37:11.0	21.99
04/11/04 07:07:11.0	21.99
04/11/04 07:37:11.0	21.99
04/11/04 08:07:11.0	22.01
04/11/04 08:37:11.0	22.03
04/11/04 09:07:11.0	22.08
04/11/04 09:37:11.0	22.11
04/11/04 10:07:11.0	22.11
04/11/04 10:37:11.0	22.13
04/11/04 11:07:11.0	22.15
04/11/04 11:37:11.0	22.20
04/11/04 12:07:11.0	22.20
04/11/04 12:37:11.0	22.30
04/11/04 13:07:11.0	22.39
04/11/04 13:37:11.0	22.51
04/11/04 14:07:11.0	22.47
04/11/04 14:37:11.0	22.42
04/11/04 15:07:11.0	22.37
04/11/04 15:37:11.0	22.37
04/11/04 16:07:11.0	22.35
04/11/04 16:37:11.0	22.25
04/11/04 17:07:11.0	22.23
04/11/04 17:37:11.0	22.15
04/11/04 18:07:11.0	22.15
04/11/04 18:37:11.0	22.15
04/11/04 19:07:11.0	22.15
04/11/04 19:37:11.0	22.15
04/11/04 20:07:11.0	22.18
04/11/04 20:37:11.0	22.18
04/11/04 21:07:11.0	22.18
04/11/04 21:37:11.0	22.20
04/11/04 22:07:11.0	22.20
04/11/04 22:37:11.0	22.23
04/11/04 23:07:11.0	22.20
04/11/04 23:37:11.0	22.23
04/12/04 00:07:11.0	22.23
04/12/04 00:37:11.0	22.23
04/12/04 01:07:11.0	22.23
04/12/04 01:37:11.0	22.25
04/12/04 02:07:11.0	22.25
04/12/04 02:37:11.0	22.25
04/12/04 03:07:11.0	22.18

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/12/04 03:37:11.0	22.18
04/12/04 04:07:11.0	22.15
04/12/04 04:37:11.0	22.15
04/12/04 05:07:11.0	22.18
04/12/04 05:37:11.0	22.18
04/12/04 06:07:11.0	22.18
04/12/04 06:37:11.0	22.20
04/12/04 07:07:11.0	22.20
04/12/04 07:37:11.0	22.23
04/12/04 08:07:11.0	22.25
04/12/04 08:37:11.0	22.25
04/12/04 09:07:11.0	22.25
04/12/04 09:37:11.0	22.27
04/12/04 10:07:11.0	22.30
04/12/04 10:37:11.0	22.30
04/12/04 11:07:11.0	22.32
04/12/04 11:37:11.0	22.32
04/12/04 12:07:11.0	22.35
04/12/04 12:37:11.0	22.39
04/12/04 13:07:11.0	22.39
04/12/04 13:37:11.0	22.39
04/12/04 14:07:11.0	22.44
04/12/04 14:37:11.0	22.49
04/12/04 15:07:11.0	22.54
04/12/04 15:37:11.0	22.61
04/12/04 16:07:11.0	22.78
04/12/04 16:37:11.0	22.68
04/12/04 17:07:11.0	22.56
04/12/04 17:37:11.0	22.42
04/12/04 18:07:11.0	22.32
04/12/04 18:37:11.0	22.27
04/12/04 19:07:11.0	22.25
04/12/04 19:37:11.0	22.20
04/12/04 20:07:11.0	22.20
04/12/04 20:37:11.0	22.23
04/12/04 21:07:11.0	22.25
04/12/04 21:37:11.0	22.27
04/12/04 22:07:11.0	22.30
04/12/04 22:37:11.0	22.32
04/12/04 23:07:11.0	22.39
04/12/04 23:37:11.0	22.44
04/13/04 00:07:11.0	22.39
04/13/04 00:37:11.0	22.37
04/13/04 01:07:11.0	22.35
04/13/04 01:37:11.0	22.32
04/13/04 02:07:11.0	22.30
04/13/04 02:37:11.0	22.27
04/13/04 03:07:11.0	22.25
04/13/04 03:37:11.0	22.20
04/13/04 04:07:11.0	22.18
04/13/04 04:37:11.0	22.18
04/13/04 05:07:11.0	22.13
04/13/04 05:37:11.0	22.11
04/13/04 06:07:11.0	22.11

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/13/04 06:37:11.0	22.08
04/13/04 07:07:11.0	22.08
04/13/04 07:37:11.0	22.06
04/13/04 08:07:11.0	22.06
04/13/04 08:37:11.0	22.06
04/13/04 09:07:11.0	22.06
04/13/04 09:37:11.0	22.06
04/13/04 10:07:11.0	22.06
04/13/04 10:37:11.0	22.06
04/13/04 11:07:11.0	22.03
04/13/04 11:37:11.0	22.06
04/13/04 12:07:11.0	22.06
04/13/04 12:37:11.0	22.06
04/13/04 13:07:11.0	22.08
04/13/04 13:37:11.0	22.11
04/13/04 14:07:11.0	22.11
04/13/04 14:37:11.0	22.13
04/13/04 15:07:11.0	22.11
04/13/04 15:37:11.0	22.13
04/13/04 16:07:11.0	22.20
04/13/04 16:37:11.0	22.23
04/13/04 17:07:11.0	22.25
04/13/04 17:37:11.0	22.25
04/13/04 18:07:11.0	22.25
04/13/04 18:37:11.0	22.25
04/13/04 19:07:11.0	22.23
04/13/04 19:37:11.0	22.20
04/13/04 20:07:11.0	22.20
04/13/04 20:37:11.0	22.20
04/13/04 21:07:11.0	22.20
04/13/04 21:37:11.0	22.20
04/13/04 22:07:11.0	22.15
04/13/04 22:37:11.0	22.11
04/13/04 23:07:11.0	22.03
04/13/04 23:37:11.0	22.03
04/14/04 00:07:11.0	22.03
04/14/04 00:37:11.0	22.03
04/14/04 01:07:11.0	22.01
04/14/04 01:37:11.0	21.99
04/14/04 02:07:11.0	21.99
04/14/04 02:37:11.0	21.99
04/14/04 03:07:11.0	21.99
04/14/04 03:37:11.0	21.96
04/14/04 04:07:11.0	21.96
04/14/04 04:37:11.0	21.94
04/14/04 05:07:11.0	21.96
04/14/04 05:37:11.0	21.96
04/14/04 06:07:11.0	21.96
04/14/04 06:37:11.0	21.94
04/14/04 07:07:11.0	21.96
04/14/04 07:37:11.0	21.99
04/14/04 08:07:11.0	21.96
04/14/04 08:37:11.0	21.99
04/14/04 09:07:11.0	21.94

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/14/04 09:37:11.0	21.96
04/14/04 10:07:11.0	21.96
04/14/04 10:37:11.0	21.99
04/14/04 11:07:11.0	22.01
04/14/04 11:37:11.0	22.03
04/14/04 12:07:11.0	22.01
04/14/04 12:37:11.0	22.01
04/14/04 13:07:11.0	22.03
04/14/04 13:37:11.0	22.03
04/14/04 14:07:11.0	22.06
04/14/04 14:37:11.0	22.08
04/14/04 15:07:11.0	22.08
04/14/04 15:37:11.0	22.08
04/14/04 16:07:11.0	22.08
04/14/04 16:37:11.0	22.06
04/14/04 17:07:11.0	22.06
04/14/04 17:37:11.0	22.06
04/14/04 18:07:11.0	22.01
04/14/04 18:37:11.0	22.01
04/14/04 19:07:11.0	21.99
04/14/04 19:37:11.0	21.96
04/14/04 20:07:11.0	21.94
04/14/04 20:37:11.0	21.94
04/14/04 21:07:11.0	21.92
04/14/04 21:37:11.0	21.89
04/14/04 22:07:11.0	21.87
04/14/04 22:37:11.0	21.84
04/14/04 23:07:11.0	21.84
04/14/04 23:37:11.0	21.82
04/15/04 00:07:11.0	21.80
04/15/04 00:37:11.0	21.77
04/15/04 01:07:11.0	21.77
04/15/04 01:37:11.0	21.77
04/15/04 02:07:11.0	21.75
04/15/04 02:37:11.0	21.77
04/15/04 03:07:11.0	21.77
04/15/04 03:37:11.0	21.77
04/15/04 04:07:11.0	21.80
04/15/04 04:37:11.0	21.82
04/15/04 05:07:11.0	21.82
04/15/04 05:37:11.0	21.82
04/15/04 06:07:11.0	21.82
04/15/04 06:37:11.0	21.84
04/15/04 07:07:11.0	21.87
04/15/04 07:37:11.0	21.89
04/15/04 08:07:11.0	21.89
04/15/04 08:37:11.0	21.92
04/15/04 09:07:11.0	21.92
04/15/04 09:37:11.0	21.94
04/15/04 10:07:11.0	21.96
04/15/04 10:37:11.0	21.96
04/15/04 11:07:11.0	21.96
04/15/04 11:37:11.0	21.96
04/15/04 12:07:11.0	21.99

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/15/04 12:37:11.0	21.99
04/15/04 13:07:11.0	22.01
04/15/04 13:37:11.0	22.03
04/15/04 14:07:11.0	22.03
04/15/04 14:37:11.0	22.06
04/15/04 15:07:11.0	22.08
04/15/04 15:37:11.0	22.11
04/15/04 16:07:11.0	21.99
04/15/04 16:37:11.0	21.99
04/15/04 17:07:11.0	21.92
04/15/04 17:37:11.0	21.92
04/15/04 18:07:11.0	21.89
04/15/04 18:37:11.0	21.87
04/15/04 19:07:11.0	21.87
04/15/04 19:37:11.0	21.82
04/15/04 20:07:11.0	21.82
04/15/04 20:37:11.0	21.80
04/15/04 21:07:11.0	21.80
04/15/04 21:37:11.0	21.80
04/15/04 22:07:11.0	21.77
04/15/04 22:37:11.0	21.77
04/15/04 23:07:11.0	21.77
04/15/04 23:37:11.0	21.77
04/16/04 00:07:11.0	21.77
04/16/04 00:37:11.0	21.77
04/16/04 01:07:11.0	21.77
04/16/04 01:37:11.0	21.77
04/16/04 02:07:11.0	21.77
04/16/04 02:37:11.0	21.77
04/16/04 03:07:11.0	21.77
04/16/04 03:37:11.0	21.80
04/16/04 04:07:11.0	21.80
04/16/04 04:37:11.0	21.80
04/16/04 05:07:11.0	21.80
04/16/04 05:37:11.0	21.80
04/16/04 06:07:11.0	21.80
04/16/04 06:37:11.0	21.80
04/16/04 07:07:11.0	21.80
04/16/04 07:37:11.0	21.80
04/16/04 08:07:11.0	21.80
04/16/04 08:37:11.0	21.82
04/16/04 09:07:11.0	21.82
04/16/04 09:37:11.0	21.84
04/16/04 10:07:11.0	21.89
04/16/04 10:37:11.0	21.89
04/16/04 11:07:11.0	21.92
04/16/04 11:37:11.0	21.94
04/16/04 12:07:11.0	21.94
04/16/04 12:37:11.0	21.96
04/16/04 13:07:11.0	21.96
04/16/04 13:37:11.0	21.99
04/16/04 14:07:11.0	21.96
04/16/04 14:37:11.0	21.96
04/16/04 15:07:11.0	21.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/16/04 15:37:11.0	21.94
04/16/04 16:07:11.0	21.92
04/16/04 16:37:11.0	21.89
04/16/04 17:07:11.0	21.87
04/16/04 17:37:11.0	21.84
04/16/04 18:07:11.0	21.84
04/16/04 18:37:11.0	21.82
04/16/04 19:07:11.0	21.82
04/16/04 19:37:11.0	21.80
04/16/04 20:07:11.0	21.77
04/16/04 20:37:11.0	21.80
04/16/04 21:07:11.0	21.80
04/16/04 21:37:11.0	21.82
04/16/04 22:07:11.0	21.82
04/16/04 22:37:11.0	21.82
04/16/04 23:07:11.0	21.82
04/16/04 23:37:11.0	21.82
04/17/04 00:07:11.0	21.82
04/17/04 00:37:11.0	21.84
04/17/04 01:07:11.0	21.84
04/17/04 01:37:11.0	21.87
04/17/04 02:07:11.0	21.87
04/17/04 02:37:11.0	21.87
04/17/04 03:07:11.0	21.87
04/17/04 03:37:11.0	21.87
04/17/04 04:07:11.0	21.87
04/17/04 04:37:11.0	21.87
04/17/04 05:07:11.0	21.87
04/17/04 05:37:11.0	21.89
04/17/04 06:07:11.0	21.89
04/17/04 06:37:11.0	21.89
04/17/04 07:07:11.0	21.92
04/17/04 07:37:11.0	21.92
04/17/04 08:07:11.0	21.92
04/17/04 08:37:11.0	21.89
04/17/04 09:07:11.0	21.89
04/17/04 09:37:11.0	21.89
04/17/04 10:07:11.0	21.92
04/17/04 10:37:11.0	21.92
04/17/04 11:07:11.0	21.92
04/17/04 11:37:11.0	21.94
04/17/04 12:07:11.0	21.96
04/17/04 12:37:11.0	21.94
04/17/04 13:07:11.0	21.96
04/17/04 13:37:11.0	21.96
04/17/04 14:07:11.0	21.92
04/17/04 14:37:11.0	21.89
04/17/04 15:07:11.0	21.84
04/17/04 15:37:11.0	21.87
04/17/04 16:07:11.0	21.87
04/17/04 16:37:11.0	21.84
04/17/04 17:07:11.0	21.84
04/17/04 17:37:11.0	21.80
04/17/04 18:07:11.0	21.80

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/17/04 18:37:11.0	21.80
04/17/04 19:07:11.0	21.80
04/17/04 19:37:11.0	21.82
04/17/04 20:07:11.0	21.84
04/17/04 20:37:11.0	21.84
04/17/04 21:07:11.0	21.84
04/17/04 21:37:11.0	21.84
04/17/04 22:07:11.0	21.84
04/17/04 22:37:11.0	21.84
04/17/04 23:07:11.0	21.87
04/17/04 23:37:11.0	21.87
04/18/04 00:07:11.0	21.89
04/18/04 00:37:11.0	21.87
04/18/04 01:07:11.0	21.89
04/18/04 01:37:11.0	21.89
04/18/04 02:07:11.0	21.96
04/18/04 02:37:11.0	21.99
04/18/04 03:07:11.0	22.08
04/18/04 03:37:11.0	22.06
04/18/04 04:07:11.0	22.03
04/18/04 04:37:11.0	22.01
04/18/04 05:07:11.0	21.96
04/18/04 05:37:11.0	21.94
04/18/04 06:07:11.0	21.92
04/18/04 06:37:11.0	21.92
04/18/04 07:07:11.0	21.92
04/18/04 07:37:11.0	21.92
04/18/04 08:07:11.0	21.89
04/18/04 08:37:11.0	21.89
04/18/04 09:07:11.0	21.89
04/18/04 09:37:11.0	21.92
04/18/04 10:07:11.0	21.92
04/18/04 10:37:11.0	21.94
04/18/04 11:07:11.0	21.99
04/18/04 11:37:11.0	21.99
04/18/04 12:07:11.0	21.96
04/18/04 12:37:11.0	21.94
04/18/04 13:07:11.0	21.96
04/18/04 13:37:11.0	21.99
04/18/04 14:07:11.0	21.96
04/18/04 14:37:11.0	21.94
04/18/04 15:07:11.0	21.94
04/18/04 15:37:11.0	21.96
04/18/04 16:07:11.0	21.96
04/18/04 16:37:11.0	21.99
04/18/04 17:07:11.0	21.99
04/18/04 17:37:11.0	21.96
04/18/04 18:07:11.0	21.96
04/18/04 18:37:11.0	21.96
04/18/04 19:07:11.0	21.96
04/18/04 19:37:11.0	21.96
04/18/04 20:07:11.0	21.96
04/18/04 20:37:11.0	21.96
04/18/04 21:07:11.0	21.96

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/18/04 21:37:11.0	21.99
04/18/04 22:07:11.0	21.96
04/18/04 22:37:11.0	21.96
04/18/04 23:07:11.0	21.92
04/18/04 23:37:11.0	21.89
04/19/04 00:07:11.0	21.87
04/19/04 00:37:11.0	21.84
04/19/04 01:07:11.0	21.82
04/19/04 01:37:11.0	21.82
04/19/04 02:07:11.0	21.82
04/19/04 02:37:11.0	21.82
04/19/04 03:07:11.0	21.82
04/19/04 03:37:11.0	21.82
04/19/04 04:07:11.0	21.84
04/19/04 04:37:11.0	21.82
04/19/04 05:07:11.0	21.80
04/19/04 05:37:11.0	21.77
04/19/04 06:07:11.0	21.75
04/19/04 06:37:11.0	21.72
04/19/04 07:07:11.0	21.70
04/19/04 07:37:11.0	21.72
04/19/04 08:07:11.0	21.72
04/19/04 08:37:11.0	21.75
04/19/04 09:07:11.0	21.77
04/19/04 09:37:11.0	21.84
04/19/04 10:07:11.0	21.82
04/19/04 10:37:11.0	21.82
04/19/04 11:07:11.0	21.80
04/19/04 11:37:11.0	21.84
04/19/04 12:07:11.0	21.82
04/19/04 12:37:11.0	21.84
04/19/04 13:07:11.0	21.89
04/19/04 13:37:11.0	21.92
04/19/04 14:07:11.0	21.92
04/19/04 14:37:11.0	21.94
04/19/04 15:07:11.0	21.96
04/19/04 15:37:11.0	21.99
04/19/04 16:07:11.0	21.99
04/19/04 16:37:11.0	22.01
04/19/04 17:07:11.0	22.01
04/19/04 17:37:11.0	22.03
04/19/04 18:07:11.0	22.03
04/19/04 18:37:11.0	22.03
04/19/04 19:07:11.0	22.03
04/19/04 19:37:11.0	22.03
04/19/04 20:07:11.0	22.03
04/19/04 20:37:11.0	22.06
04/19/04 21:07:11.0	22.06
04/19/04 21:37:11.0	22.06
04/19/04 22:07:11.0	22.06
04/19/04 22:37:11.0	22.03
04/19/04 23:07:11.0	21.99
04/19/04 23:37:11.0	21.99
04/20/04 00:07:11.0	21.96

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/20/04 00:37:11.0	21.96
04/20/04 01:07:11.0	21.94
04/20/04 01:37:11.0	21.94
04/20/04 02:07:11.0	21.89
04/20/04 02:37:11.0	21.87
04/20/04 03:07:11.0	21.82
04/20/04 03:37:11.0	21.82
04/20/04 04:07:11.0	21.82
04/20/04 04:37:11.0	21.80
04/20/04 05:07:11.0	21.77
04/20/04 05:37:11.0	21.77
04/20/04 06:07:11.0	21.75
04/20/04 06:37:11.0	21.75
04/20/04 07:07:11.0	21.75
04/20/04 07:37:11.0	21.75
04/20/04 08:07:11.0	21.75
04/20/04 08:37:11.0	21.72
04/20/04 09:07:11.0	21.75
04/20/04 09:37:11.0	21.77
04/20/04 10:07:11.0	21.84
04/20/04 10:37:11.0	21.92
04/20/04 11:07:11.0	22.11
04/20/04 11:37:11.0	22.25
04/20/04 12:07:11.0	22.32
04/20/04 12:37:11.0	22.08
04/20/04 13:07:11.0	22.08
04/20/04 13:37:11.0	22.15
04/20/04 14:07:11.0	22.27
04/20/04 14:37:11.0	22.37
04/20/04 15:07:11.0	22.47
04/20/04 15:37:11.0	22.44
04/20/04 16:07:11.0	22.44
04/20/04 16:37:11.0	22.51
04/20/04 17:07:11.0	22.47
04/20/04 17:37:11.0	22.42
04/20/04 18:07:11.0	22.37
04/20/04 18:37:11.0	22.42
04/20/04 19:07:11.0	22.42
04/20/04 19:37:11.0	22.42
04/20/04 20:07:11.0	22.42
04/20/04 20:37:11.0	22.44
04/20/04 21:07:11.0	22.47
04/20/04 21:37:11.0	22.44
04/20/04 22:07:11.0	22.25
04/20/04 22:37:11.0	22.20
04/20/04 23:07:11.0	22.20
04/20/04 23:37:11.0	22.20
04/21/04 00:07:11.0	22.20
04/21/04 00:37:11.0	22.23
04/21/04 01:07:11.0	22.23
04/21/04 01:37:11.0	22.25
04/21/04 02:07:11.0	22.25
04/21/04 02:37:11.0	22.32
04/21/04 03:07:11.0	22.20

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/21/04 03:37:11.0	22.11
04/21/04 04:07:11.0	22.06
04/21/04 04:37:11.0	22.03
04/21/04 05:07:11.0	22.01
04/21/04 05:37:11.0	22.01
04/21/04 06:07:11.0	22.03
04/21/04 06:37:11.0	22.03
04/21/04 07:07:11.0	22.08
04/21/04 07:37:11.0	22.08
04/21/04 08:07:11.0	22.01
04/21/04 08:37:11.0	21.96
04/21/04 09:07:11.0	21.96
04/21/04 09:37:11.0	21.96
04/21/04 10:07:11.0	21.89
04/21/04 10:37:11.0	21.87
04/21/04 11:07:11.0	21.89
04/21/04 11:37:11.0	21.92
04/21/04 12:07:11.0	21.92
04/21/04 12:37:11.0	21.96
04/21/04 13:07:11.0	21.99
04/21/04 13:37:11.0	22.01
04/21/04 14:07:11.0	22.06
04/21/04 14:37:11.0	22.08
04/21/04 15:07:11.0	22.15
04/21/04 15:37:11.0	22.25
04/21/04 16:07:11.0	22.30
04/21/04 16:37:11.0	22.35
04/21/04 17:07:11.0	22.32
04/21/04 17:37:11.0	22.32
04/21/04 18:07:11.0	22.32
04/21/04 18:37:11.0	22.30
04/21/04 19:07:11.0	22.30
04/21/04 19:37:11.0	22.30
04/21/04 20:07:11.0	22.30
04/21/04 20:37:11.0	22.30
04/21/04 21:07:11.0	22.30
04/21/04 21:37:11.0	22.30
04/21/04 22:07:11.0	22.32
04/21/04 22:37:11.0	22.32
04/21/04 23:07:11.0	22.32
04/21/04 23:37:11.0	22.35
04/22/04 00:07:11.0	22.35
04/22/04 00:37:11.0	22.37
04/22/04 01:07:11.0	22.35
04/22/04 01:37:11.0	22.37
04/22/04 02:07:11.0	22.37
04/22/04 02:37:11.0	22.39
04/22/04 03:07:11.0	22.39
04/22/04 03:37:11.0	22.42
04/22/04 04:07:11.0	22.42
04/22/04 04:37:11.0	22.42
04/22/04 05:07:11.0	22.20
04/22/04 05:37:11.0	22.23
04/22/04 06:07:11.0	22.27

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/22/04 06:37:11.0	22.27
04/22/04 07:07:11.0	22.25
04/22/04 07:37:11.0	22.32
04/22/04 08:07:11.0	22.39
04/22/04 08:37:11.0	22.47
04/22/04 09:07:11.0	22.49
04/22/04 09:37:11.0	22.54
04/22/04 10:07:11.0	22.56
04/22/04 10:37:11.0	22.56
04/22/04 11:07:11.0	22.61
04/22/04 11:37:11.0	22.59
04/22/04 12:07:11.0	22.47
04/22/04 12:37:11.0	22.42
04/22/04 13:07:11.0	22.44
04/22/04 13:37:11.0	22.49
04/22/04 14:07:11.0	22.49
04/22/04 14:37:11.0	22.54
04/22/04 15:07:11.0	22.61
04/22/04 15:37:11.0	22.68
04/22/04 16:07:11.0	22.71
04/22/04 16:37:11.0	22.71
04/22/04 17:07:11.0	22.68
04/22/04 17:37:11.0	22.61
04/22/04 18:07:11.0	22.61
04/22/04 18:37:11.0	22.61
04/22/04 19:07:11.0	22.61
04/22/04 19:37:11.0	22.61
04/22/04 20:07:11.0	22.61
04/22/04 20:37:11.0	22.61
04/22/04 21:07:11.0	22.61
04/22/04 21:37:11.0	22.59
04/22/04 22:07:11.0	22.59
04/22/04 22:37:11.0	22.59
04/22/04 23:07:11.0	22.59
04/22/04 23:37:11.0	22.59
04/23/04 00:07:11.0	22.59
04/23/04 00:37:11.0	22.59
04/23/04 01:07:11.0	22.59
04/23/04 01:37:11.0	22.59
04/23/04 02:07:11.0	22.59
04/23/04 02:37:11.0	22.59
04/23/04 03:07:11.0	22.59
04/23/04 03:37:11.0	22.59
04/23/04 04:07:11.0	22.61
04/23/04 04:37:11.0	22.59
04/23/04 05:07:11.0	22.56
04/23/04 05:37:11.0	22.56
04/23/04 06:07:11.0	22.54
04/23/04 06:37:11.0	22.54
04/23/04 07:07:11.0	22.68
04/23/04 07:37:11.0	22.63
04/23/04 08:07:11.0	22.63
04/23/04 08:37:11.0	22.54
04/23/04 09:07:11.0	22.59

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/23/04 09:37:11.0	22.68
04/23/04 10:07:11.0	22.49
04/23/04 10:37:11.0	22.49
04/23/04 11:07:11.0	22.47
04/23/04 11:37:11.0	22.44
04/23/04 12:07:11.0	22.44
04/23/04 12:37:11.0	22.51
04/23/04 13:07:11.0	22.56
04/23/04 13:37:11.0	22.59
04/23/04 14:07:11.0	22.56
04/23/04 14:37:11.0	22.56
04/23/04 15:07:11.0	22.59
04/23/04 15:37:11.0	22.59
04/23/04 16:07:11.0	22.59
04/23/04 16:37:11.0	22.61
04/23/04 17:07:11.0	22.63
04/23/04 17:37:11.0	22.63
04/23/04 18:07:11.0	22.66
04/23/04 18:37:11.0	22.66
04/23/04 19:07:11.0	22.68
04/23/04 19:37:11.0	22.71
04/23/04 20:07:11.0	22.73
04/23/04 20:37:11.0	22.75
04/23/04 21:07:11.0	22.78
04/23/04 21:37:11.0	22.78
04/23/04 22:07:11.0	22.80
04/23/04 22:37:11.0	22.82
04/23/04 23:07:11.0	22.85
04/23/04 23:37:11.0	22.85
04/24/04 00:07:11.0	22.87
04/24/04 00:37:11.0	22.90
04/24/04 01:07:11.0	22.90
04/24/04 01:37:11.0	22.92
04/24/04 02:07:11.0	22.94
04/24/04 02:37:11.0	22.97
04/24/04 03:07:11.0	22.99
04/24/04 03:37:11.0	23.02
04/24/04 04:07:11.0	23.28
04/24/04 04:37:11.0	23.28
04/24/04 05:07:11.0	23.23
04/24/04 05:37:11.0	23.14
04/24/04 06:07:11.0	22.99
04/24/04 06:37:11.0	22.92
04/24/04 07:07:11.0	22.92
04/24/04 07:37:11.0	22.97
04/24/04 08:07:11.0	22.97
04/24/04 08:37:11.0	23.04
04/24/04 09:07:11.0	23.04
04/24/04 09:37:11.0	23.04
04/24/04 10:07:11.0	23.02
04/24/04 10:37:11.0	22.99
04/24/04 11:07:11.0	22.94
04/24/04 11:37:11.0	22.92
04/24/04 12:07:11.0	22.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/24/04 12:37:11.0	22.85
04/24/04 13:07:11.0	22.85
04/24/04 13:37:11.0	22.82
04/24/04 14:07:11.0	22.82
04/24/04 14:37:11.0	22.78
04/24/04 15:07:11.0	22.71
04/24/04 15:37:11.0	22.66
04/24/04 16:07:11.0	22.66
04/24/04 16:37:11.0	22.66
04/24/04 17:07:11.0	22.75
04/24/04 17:37:11.0	22.92
04/24/04 18:07:11.0	23.11
04/24/04 18:37:11.0	23.23
04/24/04 19:07:11.0	23.30
04/24/04 19:37:11.0	23.47
04/24/04 20:07:11.0	23.47
04/24/04 20:37:11.0	23.47
04/24/04 21:07:11.0	23.47
04/24/04 21:37:11.0	23.47
04/24/04 22:07:11.0	23.50
04/24/04 22:37:11.0	23.50
04/24/04 23:07:11.0	23.50
04/24/04 23:37:11.0	23.50
04/25/04 00:07:11.0	23.45
04/25/04 00:37:11.0	23.40
04/25/04 01:07:11.0	23.30
04/25/04 01:37:11.0	23.28
04/25/04 02:07:11.0	23.33
04/25/04 02:37:11.0	23.38
04/25/04 03:07:11.0	23.38
04/25/04 03:37:11.0	23.38
04/25/04 04:07:11.0	23.35
04/25/04 04:37:11.0	23.35
04/25/04 05:07:11.0	23.35
04/25/04 05:37:11.0	23.35
04/25/04 06:07:11.0	23.33
04/25/04 06:37:11.0	23.30
04/25/04 07:07:11.0	23.30
04/25/04 07:37:11.0	23.30
04/25/04 08:07:11.0	23.21
04/25/04 08:37:11.0	23.02
04/25/04 09:07:11.0	22.82
04/25/04 09:37:11.0	22.85
04/25/04 10:07:11.0	22.87
04/25/04 10:37:11.0	22.99
04/25/04 11:07:11.0	23.02
04/25/04 11:37:11.0	22.99
04/25/04 12:07:11.0	23.04
04/25/04 12:37:11.0	23.06
04/25/04 13:07:11.0	23.18
04/25/04 13:37:11.0	23.21
04/25/04 14:07:11.0	23.28
04/25/04 14:37:11.0	23.30
04/25/04 15:07:11.0	23.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/25/04 15:37:11.0	23.35
04/25/04 16:07:11.0	23.38
04/25/04 16:37:11.0	23.40
04/25/04 17:07:11.0	23.42
04/25/04 17:37:11.0	23.42
04/25/04 18:07:11.0	23.45
04/25/04 18:37:11.0	23.47
04/25/04 19:07:11.0	23.47
04/25/04 19:37:11.0	23.50
04/25/04 20:07:11.0	23.50
04/25/04 20:37:11.0	23.50
04/25/04 21:07:11.0	23.50
04/25/04 21:37:11.0	23.50
04/25/04 22:07:11.0	23.47
04/25/04 22:37:11.0	23.47
04/25/04 23:07:11.0	23.47
04/25/04 23:37:11.0	23.47
04/26/04 00:07:11.0	23.47
04/26/04 00:37:11.0	23.47
04/26/04 01:07:11.0	23.50
04/26/04 01:37:11.0	23.50
04/26/04 02:07:11.0	23.50
04/26/04 02:37:11.0	23.50
04/26/04 03:07:11.0	23.52
04/26/04 03:37:11.0	23.52
04/26/04 04:07:11.0	23.52
04/26/04 04:37:11.0	23.52
04/26/04 05:07:11.0	23.50
04/26/04 05:37:11.0	23.50
04/26/04 06:07:11.0	23.45
04/26/04 06:37:11.0	23.40
04/26/04 07:07:11.0	23.38
04/26/04 07:37:11.0	23.35
04/26/04 08:07:11.0	23.30
04/26/04 08:37:11.0	23.26
04/26/04 09:07:11.0	23.23
04/26/04 09:37:11.0	23.21
04/26/04 10:07:11.0	23.21
04/26/04 10:37:11.0	23.21
04/26/04 11:07:11.0	23.21
04/26/04 11:37:11.0	23.21
04/26/04 12:07:11.0	23.21
04/26/04 12:37:11.0	23.23
04/26/04 13:07:11.0	23.23
04/26/04 13:37:11.0	23.23
04/26/04 14:07:11.0	23.23
04/26/04 14:37:11.0	23.23
04/26/04 15:07:11.0	23.23
04/26/04 15:37:11.0	23.23
04/26/04 16:07:11.0	23.26
04/26/04 16:37:11.0	23.23
04/26/04 17:07:11.0	23.23
04/26/04 17:37:11.0	23.23
04/26/04 18:07:11.0	23.23

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/26/04 18:37:11.0	23.23
04/26/04 19:07:11.0	23.23
04/26/04 19:37:11.0	23.23
04/26/04 20:07:11.0	23.21
04/26/04 20:37:11.0	23.21
04/26/04 21:07:11.0	23.23
04/26/04 21:37:11.0	23.28
04/26/04 22:07:11.0	23.28
04/26/04 22:37:11.0	23.30
04/26/04 23:07:11.0	23.30
04/26/04 23:37:11.0	23.33
04/27/04 00:07:11.0	23.33
04/27/04 00:37:11.0	23.38
04/27/04 01:07:11.0	23.38
04/27/04 01:37:11.0	23.38
04/27/04 02:07:11.0	23.40
04/27/04 02:37:11.0	23.40
04/27/04 03:07:11.0	23.40
04/27/04 03:37:11.0	23.40
04/27/04 04:07:11.0	23.45
04/27/04 04:37:11.0	23.45
04/27/04 05:07:11.0	23.42
04/27/04 05:37:11.0	23.42
04/27/04 06:07:11.0	23.42
04/27/04 06:37:11.0	23.42
04/27/04 07:07:11.0	23.42
04/27/04 07:37:11.0	23.45
04/27/04 08:07:11.0	23.45
04/27/04 08:37:11.0	23.45
04/27/04 09:07:11.0	23.45
04/27/04 09:37:11.0	23.45
04/27/04 10:07:11.0	23.45
04/27/04 10:37:11.0	23.42
04/27/04 11:07:11.0	23.40
04/27/04 11:37:11.0	23.38
04/27/04 12:07:11.0	23.38
04/27/04 12:37:11.0	23.35
04/27/04 13:07:11.0	23.33
04/27/04 13:37:11.0	23.30
04/27/04 14:07:11.0	23.30
04/27/04 14:37:11.0	23.26
04/27/04 15:07:11.0	23.28
04/27/04 15:37:11.0	23.28
04/27/04 16:07:11.0	23.28
04/27/04 16:37:11.0	23.28
04/27/04 17:07:11.0	23.28
04/27/04 17:37:11.0	23.28
04/27/04 18:07:11.0	23.28
04/27/04 18:37:11.0	23.30
04/27/04 19:07:11.0	23.30
04/27/04 19:37:11.0	23.33
04/27/04 20:07:11.0	23.35
04/27/04 20:37:11.0	23.33
04/27/04 21:07:11.0	23.33

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/27/04 21:37:11.0	23.33
04/27/04 22:07:11.0	23.35
04/27/04 22:37:11.0	23.38
04/27/04 23:07:11.0	23.38
04/27/04 23:37:11.0	23.38
04/28/04 00:07:11.0	23.40
04/28/04 00:37:11.0	23.40
04/28/04 01:07:11.0	23.40
04/28/04 01:37:11.0	23.40
04/28/04 02:07:11.0	23.40
04/28/04 02:37:11.0	23.40
04/28/04 03:07:11.0	23.40
04/28/04 03:37:11.0	23.40
04/28/04 04:07:11.0	23.40
04/28/04 04:37:11.0	23.40
04/28/04 05:07:11.0	23.40
04/28/04 05:37:11.0	23.40
04/28/04 06:07:11.0	23.40
04/28/04 06:37:11.0	23.40
04/28/04 07:07:11.0	23.40
04/28/04 07:37:11.0	23.40
04/28/04 08:07:11.0	23.40
04/28/04 08:37:11.0	23.38
04/28/04 09:07:11.0	23.35
04/28/04 09:37:11.0	23.33
04/28/04 10:07:11.0	23.35
04/28/04 10:37:11.0	23.35
04/28/04 11:07:11.0	23.40
04/28/04 11:37:11.0	23.40
04/28/04 12:07:11.0	23.42
04/28/04 12:37:11.0	23.45
04/28/04 13:07:11.0	23.45
04/28/04 13:37:11.0	23.47
04/28/04 14:07:11.0	23.45
04/28/04 14:37:11.0	23.45
04/28/04 15:07:11.0	23.50
04/28/04 15:37:11.0	23.42
04/28/04 16:07:11.0	23.40
04/28/04 16:37:11.0	23.40
04/28/04 17:07:11.0	23.40
04/28/04 17:37:11.0	23.40
04/28/04 18:07:11.0	23.42
04/28/04 18:37:11.0	23.42
04/28/04 19:07:11.0	23.42
04/28/04 19:37:11.0	23.42
04/28/04 20:07:11.0	23.42
04/28/04 20:37:11.0	23.42
04/28/04 21:07:11.0	23.40
04/28/04 21:37:11.0	23.38
04/28/04 22:07:11.0	23.35
04/28/04 22:37:11.0	23.35
04/28/04 23:07:11.0	23.33
04/28/04 23:37:11.0	23.30
04/29/04 00:07:11.0	23.30

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/29/04 00:37:11.0	23.30
04/29/04 01:07:11.0	23.30
04/29/04 01:37:11.0	23.30
04/29/04 02:07:11.0	23.30
04/29/04 02:37:11.0	23.30
04/29/04 03:07:11.0	23.33
04/29/04 03:37:11.0	23.33
04/29/04 04:07:11.0	23.33
04/29/04 04:37:11.0	23.33
04/29/04 05:07:11.0	23.30
04/29/04 05:37:11.0	23.33
04/29/04 06:07:11.0	23.33
04/29/04 06:37:11.0	23.33
04/29/04 07:07:11.0	23.33
04/29/04 07:37:11.0	23.33
04/29/04 08:07:11.0	23.33
04/29/04 08:37:11.0	23.33
04/29/04 09:07:11.0	23.33
04/29/04 09:37:11.0	23.35
04/29/04 10:07:11.0	23.35
04/29/04 10:37:11.0	23.38
04/29/04 11:07:11.0	23.38
04/29/04 11:37:11.0	23.38
04/29/04 12:07:11.0	23.38
04/29/04 12:37:11.0	23.40
04/29/04 13:07:11.0	23.40
04/29/04 13:37:11.0	23.42
04/29/04 14:07:11.0	23.42
04/29/04 14:37:11.0	23.45
04/29/04 15:07:11.0	23.40
04/29/04 15:37:11.0	23.42
04/29/04 16:07:11.0	23.42
04/29/04 16:37:11.0	23.33
04/29/04 17:07:11.0	23.14
04/29/04 17:37:11.0	23.14
04/29/04 18:07:11.0	23.14
04/29/04 18:37:11.0	23.11
04/29/04 19:07:11.0	23.11
04/29/04 19:37:11.0	23.11
04/29/04 20:07:11.0	23.11
04/29/04 20:37:11.0	23.11
04/29/04 21:07:11.0	23.09
04/29/04 21:37:11.0	23.11
04/29/04 22:07:11.0	23.11
04/29/04 22:37:11.0	23.11
04/29/04 23:07:11.0	23.11
04/29/04 23:37:11.0	23.11
04/30/04 00:07:11.0	23.11
04/30/04 00:37:11.0	23.11
04/30/04 01:07:11.0	23.11
04/30/04 01:37:11.0	23.11
04/30/04 02:07:11.0	23.14
04/30/04 02:37:11.0	23.14
04/30/04 03:07:11.0	23.14

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
04/30/04 03:37:11.0	23.14
04/30/04 04:07:11.0	23.14
04/30/04 04:37:11.0	23.14
04/30/04 05:07:11.0	23.14
04/30/04 05:37:11.0	23.14
04/30/04 06:07:11.0	23.14
04/30/04 06:37:11.0	23.11
04/30/04 07:07:11.0	22.94
04/30/04 07:37:11.0	22.90
04/30/04 08:07:11.0	22.90
04/30/04 08:37:11.0	22.90
04/30/04 09:07:11.0	22.90
04/30/04 09:37:11.0	22.92
04/30/04 10:07:11.0	22.92
04/30/04 10:37:11.0	22.94
04/30/04 11:07:11.0	22.99
04/30/04 11:37:11.0	22.99
04/30/04 12:07:11.0	22.99
04/30/04 12:37:11.0	23.02
04/30/04 13:07:11.0	23.02
04/30/04 13:37:11.0	23.04
04/30/04 14:07:11.0	23.06
04/30/04 14:37:11.0	23.09
04/30/04 15:07:11.0	23.11
04/30/04 15:37:11.0	23.14
04/30/04 16:07:11.0	23.23
04/30/04 16:37:11.0	23.26
04/30/04 17:07:11.0	23.23
04/30/04 17:37:11.0	23.23
04/30/04 18:07:11.0	23.23
04/30/04 18:37:11.0	23.23
04/30/04 19:07:11.0	23.23
04/30/04 19:37:11.0	23.21
04/30/04 20:07:11.0	23.18
04/30/04 20:37:11.0	23.18
04/30/04 21:07:11.0	23.18
04/30/04 21:37:11.0	23.18
04/30/04 22:07:11.0	23.18
04/30/04 22:37:11.0	23.18
04/30/04 23:07:11.0	23.18
04/30/04 23:37:11.0	23.18
05/01/04 00:07:11.0	23.26
05/01/04 00:37:11.0	23.47
05/01/04 01:07:11.0	23.55
05/01/04 01:37:11.0	23.57
05/01/04 02:07:11.0	23.55
05/01/04 02:37:11.0	23.55
05/01/04 03:07:11.0	23.52
05/01/04 03:37:11.0	23.45
05/01/04 04:07:11.0	23.38
05/01/04 04:37:11.0	23.35
05/01/04 05:07:11.0	23.35
05/01/04 05:37:11.0	23.38
05/01/04 06:07:11.0	23.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/01/04 06:37:11.0	23.38
05/01/04 07:07:11.0	23.35
05/01/04 07:37:11.0	23.33
05/01/04 08:07:11.0	23.30
05/01/04 08:37:11.0	23.30
05/01/04 09:07:11.0	23.30
05/01/04 09:37:11.0	23.30
05/01/04 10:07:11.0	23.30
05/01/04 10:37:11.0	23.33
05/01/04 11:07:11.0	23.35
05/01/04 11:37:11.0	23.38
05/01/04 12:07:11.0	23.40
05/01/04 12:37:11.0	23.42
05/01/04 13:07:11.0	23.42
05/01/04 13:37:11.0	23.45
05/01/04 14:07:11.0	23.45
05/01/04 14:37:11.0	23.45
05/01/04 15:07:11.0	23.42
05/01/04 15:37:11.0	23.42
05/01/04 16:07:11.0	23.42
05/01/04 16:37:11.0	23.45
05/01/04 17:07:11.0	23.47
05/01/04 17:37:11.0	23.47
05/01/04 18:07:11.0	23.50
05/01/04 18:37:11.0	23.64
05/01/04 19:07:11.0	23.64
05/01/04 19:37:11.0	23.64
05/01/04 20:07:11.0	23.59
05/01/04 20:37:11.0	23.55
05/01/04 21:07:11.0	23.55
05/01/04 21:37:11.0	23.52
05/01/04 22:07:11.0	23.47
05/01/04 22:37:11.0	23.42
05/01/04 23:07:11.0	23.40
05/01/04 23:37:11.0	23.35
05/02/04 00:07:11.0	23.30
05/02/04 00:37:11.0	23.28
05/02/04 01:07:11.0	23.28
05/02/04 01:37:11.0	23.28
05/02/04 02:07:11.0	23.28
05/02/04 02:37:11.0	23.26
05/02/04 03:07:11.0	23.26
05/02/04 03:37:11.0	23.28
05/02/04 04:07:11.0	23.28
05/02/04 04:37:11.0	23.28
05/02/04 05:07:11.0	23.26
05/02/04 05:37:11.0	23.23
05/02/04 06:07:11.0	23.21
05/02/04 06:37:11.0	23.21
05/02/04 07:07:11.0	23.21
05/02/04 07:37:11.0	23.21
05/02/04 08:07:11.0	23.18
05/02/04 08:37:11.0	23.16
05/02/04 09:07:11.0	23.14

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/02/04 09:37:11.0	23.11
05/02/04 10:07:11.0	23.11
05/02/04 10:37:11.0	23.14
05/02/04 11:07:11.0	23.16
05/02/04 11:37:11.0	23.21
05/02/04 12:07:11.0	23.26
05/02/04 12:37:11.0	23.28
05/02/04 13:07:11.0	23.30
05/02/04 13:37:11.0	23.33
05/02/04 14:07:11.0	23.33
05/02/04 14:37:11.0	23.28
05/02/04 15:07:11.0	23.30
05/02/04 15:37:11.0	23.30
05/02/04 16:07:11.0	23.30
05/02/04 16:37:11.0	23.28
05/02/04 17:07:11.0	23.26
05/02/04 17:37:11.0	23.23
05/02/04 18:07:11.0	23.21
05/02/04 18:37:11.0	23.21
05/02/04 19:07:11.0	23.18
05/02/04 19:37:11.0	23.18
05/02/04 20:07:11.0	23.16
05/02/04 20:37:11.0	23.11
05/02/04 21:07:11.0	23.11
05/02/04 21:37:11.0	23.11
05/02/04 22:07:11.0	23.11
05/02/04 22:37:11.0	23.06
05/02/04 23:07:11.0	23.06
05/02/04 23:37:11.0	23.06
05/03/04 00:07:11.0	23.09
05/03/04 00:37:11.0	23.06
05/03/04 01:07:11.0	23.09
05/03/04 01:37:11.0	23.09
05/03/04 02:07:11.0	23.06
05/03/04 02:37:11.0	23.06
05/03/04 03:07:11.0	23.04
05/03/04 03:37:11.0	23.06
05/03/04 04:07:11.0	23.06
05/03/04 04:37:11.0	23.04
05/03/04 05:07:11.0	23.04
05/03/04 05:37:11.0	23.04
05/03/04 06:07:11.0	23.04
05/03/04 06:37:11.0	23.04
05/03/04 07:07:11.0	23.04
05/03/04 07:37:11.0	23.04
05/03/04 08:07:11.0	23.04
05/03/04 08:37:11.0	23.04
05/03/04 09:07:11.0	23.04
05/03/04 09:37:11.0	23.06
05/03/04 10:07:11.0	23.09
05/03/04 10:37:11.0	23.11
05/03/04 11:07:11.0	23.11
05/03/04 11:37:11.0	23.11
05/03/04 12:07:11.0	23.09

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/03/04 12:37:11.0	23.09
05/03/04 13:07:11.0	23.09
05/03/04 13:37:11.0	23.09
05/03/04 14:07:11.0	23.09
05/03/04 14:37:11.0	23.09
05/03/04 15:07:11.0	23.09
05/03/04 15:37:11.0	23.09
05/03/04 16:07:11.0	23.09
05/03/04 16:37:11.0	23.09
05/03/04 17:07:11.0	23.06
05/03/04 17:37:11.0	23.06
05/03/04 18:07:11.0	23.04
05/03/04 18:37:11.0	23.04
05/03/04 19:07:11.0	23.02
05/03/04 19:37:11.0	22.99
05/03/04 20:07:11.0	22.99
05/03/04 20:37:11.0	23.04
05/03/04 21:07:11.0	23.06
05/03/04 21:37:11.0	23.09
05/03/04 22:07:11.0	23.04
05/03/04 22:37:11.0	23.02
05/03/04 23:07:11.0	23.02
05/03/04 23:37:11.0	22.99
05/04/04 00:07:11.0	22.97
05/04/04 00:37:11.0	22.99
05/04/04 01:07:11.0	22.97
05/04/04 01:37:11.0	22.92
05/04/04 02:07:11.0	22.94
05/04/04 02:37:11.0	22.99
05/04/04 03:07:11.0	23.02
05/04/04 03:37:11.0	23.02
05/04/04 04:07:11.0	23.02
05/04/04 04:37:11.0	23.04
05/04/04 05:07:11.0	23.04
05/04/04 05:37:11.0	23.04
05/04/04 06:07:11.0	23.04
05/04/04 06:37:11.0	23.04
05/04/04 07:07:11.0	23.04
05/04/04 07:37:11.0	23.04
05/04/04 08:07:11.0	23.04
05/04/04 08:37:11.0	23.04
05/04/04 09:07:11.0	23.04
05/04/04 09:37:11.0	23.04
05/04/04 10:07:11.0	23.02
05/04/04 10:37:11.0	23.02
05/04/04 11:07:11.0	23.06
05/04/04 11:37:11.0	23.09
05/04/04 12:07:11.0	23.09
05/04/04 12:37:11.0	23.09
05/04/04 13:07:11.0	23.09
05/04/04 13:37:11.0	23.09
05/04/04 14:07:11.0	23.09
05/04/04 14:37:11.0	23.06
05/04/04 15:07:11.0	23.06

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/04/04 15:37:11.0	23.09
05/04/04 16:07:11.0	23.09
05/04/04 16:37:11.0	23.14
05/04/04 17:07:11.0	23.14
05/04/04 17:37:11.0	23.14
05/04/04 18:07:11.0	23.14
05/04/04 18:37:11.0	23.14
05/04/04 19:07:11.0	23.11
05/04/04 19:37:11.0	23.09
05/04/04 20:07:11.0	23.06
05/04/04 20:37:11.0	23.06
05/04/04 21:07:11.0	23.06
05/04/04 21:37:11.0	23.06
05/04/04 22:07:11.0	23.06
05/04/04 22:37:11.0	23.06
05/04/04 23:07:11.0	23.06
05/04/04 23:37:11.0	23.06
05/05/04 00:07:11.0	23.09
05/05/04 00:37:11.0	23.09
05/05/04 01:07:11.0	23.04
05/05/04 01:37:11.0	23.02
05/05/04 02:07:11.0	23.02
05/05/04 02:37:11.0	23.04
05/05/04 03:07:11.0	23.04
05/05/04 03:37:11.0	23.04
05/05/04 04:07:11.0	23.04
05/05/04 04:37:11.0	23.02
05/05/04 05:07:11.0	23.02
05/05/04 05:37:11.0	23.02
05/05/04 06:07:11.0	23.02
05/05/04 06:37:11.0	23.02
05/05/04 07:07:11.0	23.04
05/05/04 07:37:11.0	23.04
05/05/04 08:07:11.0	23.04
05/05/04 08:37:11.0	23.06
05/05/04 09:07:11.0	23.04
05/05/04 09:37:11.0	23.04
05/05/04 10:07:11.0	23.04
05/05/04 10:37:11.0	23.04
05/05/04 11:07:11.0	23.04
05/05/04 11:37:11.0	23.04
05/05/04 12:07:11.0	23.06
05/05/04 12:37:11.0	23.11
05/05/04 13:07:11.0	23.16
05/05/04 13:37:11.0	23.18
05/05/04 14:07:11.0	23.18
05/05/04 14:37:11.0	23.21
05/05/04 15:07:11.0	23.21
05/05/04 15:37:11.0	23.23
05/05/04 16:07:11.0	23.23
05/05/04 16:37:11.0	23.23
05/05/04 17:07:11.0	23.23
05/05/04 17:37:11.0	23.23
05/05/04 18:07:11.0	23.18

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/05/04 18:37:11.0	23.16
05/05/04 19:07:11.0	23.16
05/05/04 19:37:11.0	23.11
05/05/04 20:07:11.0	23.11
05/05/04 20:37:11.0	23.11
05/05/04 21:07:11.0	23.14
05/05/04 21:37:11.0	23.16
05/05/04 22:07:11.0	23.14
05/05/04 22:37:11.0	23.11
05/05/04 23:07:11.0	23.09
05/05/04 23:37:11.0	23.09
05/06/04 00:07:11.0	23.09
05/06/04 00:37:11.0	23.09
05/06/04 01:07:11.0	23.09
05/06/04 01:37:11.0	23.09
05/06/04 02:07:11.0	23.09
05/06/04 02:37:11.0	23.11
05/06/04 03:07:11.0	23.11
05/06/04 03:37:11.0	23.11
05/06/04 04:07:11.0	23.14
05/06/04 04:37:11.0	23.14
05/06/04 05:07:11.0	23.11
05/06/04 05:37:11.0	23.11
05/06/04 06:07:11.0	23.11
05/06/04 06:37:11.0	23.11
05/06/04 07:07:11.0	23.14
05/06/04 07:37:11.0	23.14
05/06/04 08:07:11.0	23.16
05/06/04 08:37:11.0	23.16
05/06/04 09:07:11.0	23.18
05/06/04 09:37:11.0	23.06
05/06/04 10:07:11.0	23.09
05/06/04 10:37:11.0	23.09
05/06/04 11:07:11.0	23.09
05/06/04 11:37:11.0	23.14
05/06/04 12:07:11.0	23.16
05/06/04 12:37:11.0	23.18
05/06/04 13:07:11.0	23.18
05/06/04 13:37:11.0	23.21
05/06/04 14:07:11.0	23.23
05/06/04 14:37:11.0	23.26
05/06/04 15:07:11.0	23.26
05/06/04 15:37:11.0	23.26
05/06/04 16:07:11.0	23.28
05/06/04 16:37:11.0	23.26
05/06/04 17:07:11.0	23.28
05/06/04 17:37:11.0	23.30
05/06/04 18:07:11.0	23.30
05/06/04 18:37:11.0	23.30
05/06/04 19:07:11.0	23.33
05/06/04 19:37:11.0	23.33
05/06/04 20:07:11.0	23.35
05/06/04 20:37:11.0	23.35
05/06/04 21:07:11.0	23.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/06/04 21:37:11.0	23.33
05/06/04 22:07:11.0	23.33
05/06/04 22:37:11.0	23.30
05/06/04 23:07:11.0	23.30
05/06/04 23:37:11.0	23.30
05/07/04 00:07:11.0	23.30
05/07/04 00:37:11.0	23.35
05/07/04 01:07:11.0	23.35
05/07/04 01:37:11.0	23.35
05/07/04 02:07:11.0	23.35
05/07/04 02:37:11.0	23.33
05/07/04 03:07:11.0	23.33
05/07/04 03:37:11.0	23.33
05/07/04 04:07:11.0	23.33
05/07/04 04:37:11.0	23.33
05/07/04 05:07:11.0	23.33
05/07/04 05:37:11.0	23.30
05/07/04 06:07:11.0	23.30
05/07/04 06:37:11.0	23.30
05/07/04 07:07:11.0	23.30
05/07/04 07:37:11.0	23.30
05/07/04 08:07:11.0	23.30
05/07/04 08:37:11.0	23.30
05/07/04 09:07:11.0	23.30
05/07/04 09:37:11.0	23.30
05/07/04 10:07:11.0	23.30
05/07/04 10:37:11.0	23.26
05/07/04 11:07:11.0	23.26
05/07/04 11:37:11.0	23.28
05/07/04 12:07:11.0	23.30
05/07/04 12:37:11.0	23.33
05/07/04 13:07:11.0	23.35
05/07/04 13:37:11.0	23.38
05/07/04 14:07:11.0	23.38
05/07/04 14:37:11.0	23.38
05/07/04 15:07:11.0	23.40
05/07/04 15:37:11.0	23.35
05/07/04 16:07:11.0	23.33
05/07/04 16:37:11.0	23.23
05/07/04 17:07:11.0	23.18
05/07/04 17:37:11.0	23.16
05/07/04 18:07:11.0	23.16
05/07/04 18:37:11.0	23.18
05/07/04 19:07:11.0	23.18
05/07/04 19:37:11.0	23.18
05/07/04 20:07:11.0	23.23
05/07/04 20:37:11.0	23.26
05/07/04 21:07:11.0	23.26
05/07/04 21:37:11.0	23.23
05/07/04 22:07:11.0	23.23
05/07/04 22:37:11.0	23.23
05/07/04 23:07:11.0	23.23
05/07/04 23:37:11.0	23.23
05/08/04 00:07:11.0	23.23

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/08/04 00:37:11.0	23.23
05/08/04 01:07:11.0	23.23
05/08/04 01:37:11.0	23.23
05/08/04 02:07:11.0	23.23
05/08/04 02:37:11.0	23.23
05/08/04 03:07:11.0	23.23
05/08/04 03:37:11.0	23.23
05/08/04 04:07:11.0	23.23
05/08/04 04:37:11.0	23.23
05/08/04 05:07:11.0	23.23
05/08/04 05:37:11.0	23.23
05/08/04 06:07:11.0	23.23
05/08/04 06:37:11.0	23.23
05/08/04 07:07:11.0	23.23
05/08/04 07:37:11.0	23.23
05/08/04 08:07:11.0	23.23
05/08/04 08:37:11.0	23.23
05/08/04 09:07:11.0	23.23
05/08/04 09:37:11.0	23.21
05/08/04 10:07:11.0	23.21
05/08/04 10:37:11.0	23.21
05/08/04 11:07:11.0	23.23
05/08/04 11:37:11.0	23.26
05/08/04 12:07:11.0	23.28
05/08/04 12:37:11.0	23.18
05/08/04 13:07:11.0	23.23
05/08/04 13:37:11.0	23.28
05/08/04 14:07:11.0	23.35
05/08/04 14:37:11.0	23.38
05/08/04 15:07:11.0	23.38
05/08/04 15:37:11.0	23.40
05/08/04 16:07:11.0	23.35
05/08/04 16:37:11.0	23.38
05/08/04 17:07:11.0	23.35
05/08/04 17:37:11.0	23.26
05/08/04 18:07:11.0	23.16
05/08/04 18:37:11.0	23.14
05/08/04 19:07:11.0	23.14
05/08/04 19:37:11.0	23.18
05/08/04 20:07:11.0	23.33
05/08/04 20:37:11.0	23.33
05/08/04 21:07:11.0	23.40
05/08/04 21:37:11.0	23.45
05/08/04 22:07:11.0	23.47
05/08/04 22:37:11.0	23.45
05/08/04 23:07:11.0	23.50
05/08/04 23:37:11.0	23.50
05/09/04 00:07:11.0	23.42
05/09/04 00:37:11.0	23.35
05/09/04 01:07:11.0	23.35
05/09/04 01:37:11.0	23.35
05/09/04 02:07:11.0	23.38
05/09/04 02:37:11.0	23.40
05/09/04 03:07:11.0	23.40

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/09/04 03:37:11.0	23.38
05/09/04 04:07:11.0	23.35
05/09/04 04:37:11.0	23.33
05/09/04 05:07:11.0	23.33
05/09/04 05:37:11.0	23.33
05/09/04 06:07:11.0	23.33
05/09/04 06:37:11.0	23.33
05/09/04 07:07:11.0	23.35
05/09/04 07:37:11.0	23.33
05/09/04 08:07:11.0	23.33
05/09/04 08:37:11.0	23.35
05/09/04 09:07:11.0	23.35
05/09/04 09:37:11.0	23.35
05/09/04 10:07:11.0	23.40
05/09/04 10:37:11.0	23.42
05/09/04 11:07:11.0	23.40
05/09/04 11:37:11.0	23.38
05/09/04 12:07:11.0	23.40
05/09/04 12:37:11.0	23.45
05/09/04 13:07:11.0	23.59
05/09/04 13:37:11.0	23.64
05/09/04 14:07:11.0	23.67
05/09/04 14:37:11.0	23.64
05/09/04 15:07:11.0	23.59
05/09/04 15:37:11.0	23.55
05/09/04 16:07:11.0	23.40
05/09/04 16:37:11.0	23.30
05/09/04 17:07:11.0	23.21
05/09/04 17:37:11.0	23.11
05/09/04 18:07:11.0	23.09
05/09/04 18:37:11.0	23.09
05/09/04 19:07:11.0	23.04
05/09/04 19:37:11.0	23.02
05/09/04 20:07:11.0	23.02
05/09/04 20:37:11.0	23.04
05/09/04 21:07:11.0	23.09
05/09/04 21:37:11.0	23.18
05/09/04 22:07:11.0	23.23
05/09/04 22:37:11.0	23.28
05/09/04 23:07:11.0	23.28
05/09/04 23:37:11.0	23.28
05/10/04 00:07:11.0	23.28
05/10/04 00:37:11.0	23.28
05/10/04 01:07:11.0	23.28
05/10/04 01:37:11.0	23.28
05/10/04 02:07:11.0	23.28
05/10/04 02:37:11.0	23.30
05/10/04 03:07:11.0	23.30
05/10/04 03:37:11.0	23.33
05/10/04 04:07:11.0	23.33
05/10/04 04:37:11.0	23.33
05/10/04 05:07:11.0	23.30
05/10/04 05:37:11.0	23.30
05/10/04 06:07:11.0	23.28

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/10/04 06:37:11.0	23.28
05/10/04 07:07:11.0	23.28
05/10/04 07:37:11.0	23.28
05/10/04 08:07:11.0	23.28
05/10/04 08:37:11.0	23.30
05/10/04 09:07:11.0	23.30
05/10/04 09:37:11.0	23.33
05/10/04 10:07:11.0	23.30
05/10/04 10:37:11.0	23.33
05/10/04 11:07:11.0	23.38
05/10/04 11:37:11.0	23.55
05/10/04 12:07:11.0	23.64
05/10/04 12:37:11.0	23.79
05/10/04 13:07:11.0	23.83
05/10/04 13:37:11.0	23.86
05/10/04 14:07:11.0	23.69
05/10/04 14:37:11.0	23.52
05/10/04 15:07:11.0	23.59
05/10/04 15:37:11.0	23.69
05/10/04 16:07:11.0	23.79
05/10/04 16:37:11.0	23.88
05/10/04 17:07:11.0	23.91
05/10/04 17:37:11.0	23.98
05/10/04 18:07:11.0	23.95
05/10/04 18:37:11.0	23.86
05/10/04 19:07:11.0	23.76
05/10/04 19:37:11.0	23.69
05/10/04 20:07:11.0	23.40
05/10/04 20:37:11.0	23.30
05/10/04 21:07:11.0	23.35
05/10/04 21:37:11.0	23.40
05/10/04 22:07:11.0	23.52
05/10/04 22:37:11.0	23.55
05/10/04 23:07:11.0	23.57
05/10/04 23:37:11.0	23.59
05/11/04 00:07:11.0	23.76
05/11/04 00:37:11.0	23.93
05/11/04 01:07:11.0	24.10
05/11/04 01:37:11.0	23.98
05/11/04 02:07:11.0	24.00
05/11/04 02:37:11.0	23.98
05/11/04 03:07:11.0	24.00
05/11/04 03:37:11.0	24.00
05/11/04 04:07:11.0	24.05
05/11/04 04:37:11.0	24.03
05/11/04 05:07:11.0	24.05
05/11/04 05:37:11.0	24.03
05/11/04 06:07:11.0	24.03
05/11/04 06:37:11.0	24.03
05/11/04 07:07:11.0	24.05
05/11/04 07:37:11.0	24.05
05/11/04 08:07:11.0	24.05
05/11/04 08:37:11.0	24.07
05/11/04 09:07:11.0	24.10

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/11/04 09:37:11.0	24.12
05/11/04 10:07:11.0	24.12
05/11/04 10:37:11.0	24.17
05/11/04 11:07:11.0	24.17
05/11/04 11:37:11.0	24.20
05/11/04 12:07:11.0	24.20
05/11/04 12:37:11.0	24.22
05/11/04 13:07:11.0	24.22
05/11/04 13:37:11.0	24.22
05/11/04 14:07:11.0	24.22
05/11/04 14:37:11.0	24.24
05/11/04 15:07:11.0	24.22
05/11/04 15:37:11.0	24.22
05/11/04 16:07:11.0	24.22
05/11/04 16:37:11.0	24.22
05/11/04 17:07:11.0	24.20
05/11/04 17:37:11.0	24.20
05/11/04 18:07:11.0	24.17
05/11/04 18:37:11.0	24.15
05/11/04 19:07:11.0	24.12
05/11/04 19:37:11.0	24.12
05/11/04 20:07:11.0	24.12
05/11/04 20:37:11.0	24.10
05/11/04 21:07:11.0	24.12
05/11/04 21:37:11.0	24.05
05/11/04 22:07:11.0	24.05
05/11/04 22:37:11.0	24.12
05/11/04 23:07:11.0	24.15
05/11/04 23:37:11.0	24.15
05/12/04 00:07:11.0	24.15
05/12/04 00:37:11.0	24.15
05/12/04 01:07:11.0	24.15
05/12/04 01:37:11.0	24.15
05/12/04 02:07:11.0	24.15
05/12/04 02:37:11.0	24.17
05/12/04 03:07:11.0	24.17
05/12/04 03:37:11.0	24.17
05/12/04 04:07:11.0	24.17
05/12/04 04:37:11.0	24.17
05/12/04 05:07:11.0	24.12
05/12/04 05:37:11.0	24.07
05/12/04 06:07:11.0	24.05
05/12/04 06:37:11.0	24.05
05/12/04 07:07:11.0	24.05
05/12/04 07:37:11.0	24.07
05/12/04 08:07:11.0	24.07
05/12/04 08:37:11.0	24.10
05/12/04 09:07:11.0	24.12
05/12/04 09:37:11.0	24.17
05/12/04 10:07:11.0	24.24
05/12/04 10:37:11.0	24.29
05/12/04 11:07:11.0	24.32
05/12/04 11:37:11.0	24.36
05/12/04 12:07:11.0	24.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/12/04 12:37:11.0	24.34
05/12/04 13:07:11.0	24.24
05/12/04 13:37:11.0	24.22
05/12/04 14:07:11.0	24.32
05/12/04 14:37:11.0	24.32
05/12/04 15:07:11.0	24.34
05/12/04 15:37:11.0	24.39
05/12/04 16:07:11.0	24.39
05/12/04 16:37:11.0	24.36
05/12/04 17:07:11.0	24.39
05/12/04 17:37:11.0	24.41
05/12/04 18:07:11.0	24.41
05/12/04 18:37:11.0	24.41
05/12/04 19:07:11.0	24.41
05/12/04 19:37:11.0	24.41
05/12/04 20:07:11.0	24.41
05/12/04 20:37:11.0	24.41
05/12/04 21:07:11.0	24.41
05/12/04 21:37:11.0	24.41
05/12/04 22:07:11.0	24.41
05/12/04 22:37:11.0	24.41
05/12/04 23:07:11.0	24.39
05/12/04 23:37:11.0	24.36
05/13/04 00:07:11.0	24.36
05/13/04 00:37:11.0	24.36
05/13/04 01:07:11.0	24.34
05/13/04 01:37:11.0	24.34
05/13/04 02:07:11.0	24.34
05/13/04 02:37:11.0	24.34
05/13/04 03:07:11.0	24.36
05/13/04 03:37:11.0	24.36
05/13/04 04:07:11.0	24.36
05/13/04 04:37:11.0	24.36
05/13/04 05:07:11.0	24.36
05/13/04 05:37:11.0	24.41
05/13/04 06:07:11.0	24.46
05/13/04 06:37:11.0	24.48
05/13/04 07:07:11.0	24.51
05/13/04 07:37:11.0	24.51
05/13/04 08:07:11.0	24.48
05/13/04 08:37:11.0	24.36
05/13/04 09:07:11.0	24.34
05/13/04 09:37:11.0	24.32
05/13/04 10:07:11.0	24.29
05/13/04 10:37:11.0	24.34
05/13/04 11:07:11.0	24.41
05/13/04 11:37:11.0	24.46
05/13/04 12:07:11.0	24.48
05/13/04 12:37:11.0	24.46
05/13/04 13:07:11.0	24.46
05/13/04 13:37:11.0	24.48
05/13/04 14:07:11.0	24.51
05/13/04 14:37:11.0	24.53
05/13/04 15:07:11.0	24.44

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/13/04 15:37:11.0	24.41
05/13/04 16:07:11.0	24.44
05/13/04 16:37:11.0	24.44
05/13/04 17:07:11.0	24.44
05/13/04 17:37:11.0	24.44
05/13/04 18:07:11.0	24.44
05/13/04 18:37:11.0	24.44
05/13/04 19:07:11.0	24.44
05/13/04 19:37:11.0	24.44
05/13/04 20:07:11.0	24.44
05/13/04 20:37:11.0	24.44
05/13/04 21:07:11.0	24.44
05/13/04 21:37:11.0	24.46
05/13/04 22:07:11.0	24.46
05/13/04 22:37:11.0	24.46
05/13/04 23:07:11.0	24.46
05/13/04 23:37:11.0	24.46
05/14/04 00:07:11.0	24.46
05/14/04 00:37:11.0	24.46
05/14/04 01:07:11.0	24.46
05/14/04 01:37:11.0	24.46
05/14/04 02:07:11.0	24.46
05/14/04 02:37:11.0	24.48
05/14/04 03:07:11.0	24.48
05/14/04 03:37:11.0	24.48
05/14/04 04:07:11.0	24.51
05/14/04 04:37:11.0	24.53
05/14/04 05:07:11.0	24.56
05/14/04 05:37:11.0	24.56
05/14/04 06:07:11.0	24.56
05/14/04 06:37:11.0	24.56
05/14/04 07:07:11.0	24.53
05/14/04 07:37:11.0	24.53
05/14/04 08:07:11.0	24.53
05/14/04 08:37:11.0	24.53
05/14/04 09:07:11.0	24.51
05/14/04 09:37:11.0	24.46
05/14/04 10:07:11.0	24.44
05/14/04 10:37:11.0	24.46
05/14/04 11:07:11.0	24.48
05/14/04 11:37:11.0	24.51
05/14/04 12:07:11.0	24.53
05/14/04 12:37:11.0	24.56
05/14/04 13:07:11.0	24.58
05/14/04 13:37:11.0	24.61
05/14/04 14:07:11.0	24.61
05/14/04 14:37:11.0	24.63
05/14/04 15:07:11.0	24.63
05/14/04 15:37:11.0	24.65
05/14/04 16:07:11.0	24.63
05/14/04 16:37:11.0	24.63
05/14/04 17:07:11.0	24.65
05/14/04 17:37:11.0	24.63
05/14/04 18:07:11.0	24.63

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/14/04 18:37:11.0	24.63
05/14/04 19:07:11.0	24.63
05/14/04 19:37:11.0	24.61
05/14/04 20:07:11.0	24.61
05/14/04 20:37:11.0	24.61
05/14/04 21:07:11.0	24.56
05/14/04 21:37:11.0	24.48
05/14/04 22:07:11.0	24.44
05/14/04 22:37:11.0	24.36
05/14/04 23:07:11.0	24.34
05/14/04 23:37:11.0	24.32
05/15/04 00:07:11.0	24.27
05/15/04 00:37:11.0	24.24
05/15/04 01:07:11.0	24.24
05/15/04 01:37:11.0	24.24
05/15/04 02:07:11.0	24.24
05/15/04 02:37:11.0	24.24
05/15/04 03:07:11.0	24.27
05/15/04 03:37:11.0	24.27
05/15/04 04:07:11.0	24.24
05/15/04 04:37:11.0	24.24
05/15/04 05:07:11.0	24.24
05/15/04 05:37:11.0	24.27
05/15/04 06:07:11.0	24.27
05/15/04 06:37:11.0	24.27
05/15/04 07:07:11.0	24.27
05/15/04 07:37:11.0	24.27
05/15/04 08:07:11.0	24.29
05/15/04 08:37:11.0	24.29
05/15/04 09:07:11.0	24.32
05/15/04 09:37:11.0	24.32
05/15/04 10:07:11.0	24.32
05/15/04 10:37:11.0	24.32
05/15/04 11:07:11.0	24.34
05/15/04 11:37:11.0	24.34
05/15/04 12:07:11.0	24.36
05/15/04 12:37:11.0	24.39
05/15/04 13:07:11.0	24.39
05/15/04 13:37:11.0	24.20
05/15/04 14:07:11.0	23.91
05/15/04 14:37:11.0	23.79
05/15/04 15:07:11.0	23.57
05/15/04 15:37:11.0	23.45
05/15/04 16:07:11.0	23.35
05/15/04 16:37:11.0	23.33
05/15/04 17:07:11.0	23.35
05/15/04 17:37:11.0	23.35
05/15/04 18:07:11.0	23.38
05/15/04 18:37:11.0	23.40
05/15/04 19:07:11.0	23.40
05/15/04 19:37:11.0	23.40
05/15/04 20:07:11.0	23.42
05/15/04 20:37:11.0	23.42
05/15/04 21:07:11.0	23.45

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/15/04 21:37:11.0	23.45
05/15/04 22:07:11.0	23.50
05/15/04 22:37:11.0	23.50
05/15/04 23:07:11.0	23.50
05/15/04 23:37:11.0	23.52
05/16/04 00:07:11.0	23.50
05/16/04 00:37:11.0	23.52
05/16/04 01:07:11.0	23.52
05/16/04 01:37:11.0	23.52
05/16/04 02:07:11.0	23.52
05/16/04 02:37:11.0	23.47
05/16/04 03:07:11.0	23.40
05/16/04 03:37:11.0	23.38
05/16/04 04:07:11.0	23.33
05/16/04 04:37:11.0	23.30
05/16/04 05:07:11.0	23.28
05/16/04 05:37:11.0	23.28
05/16/04 06:07:11.0	23.28
05/16/04 06:37:11.0	23.30
05/16/04 07:07:11.0	23.30
05/16/04 07:37:11.0	23.30
05/16/04 08:07:11.0	23.33
05/16/04 08:37:11.0	23.35
05/16/04 09:07:11.0	23.38
05/16/04 09:37:11.0	23.40
05/16/04 10:07:11.0	23.42
05/16/04 10:37:11.0	23.47
05/16/04 11:07:11.0	23.52
05/16/04 11:37:11.0	23.55
05/16/04 12:07:11.0	23.64
05/16/04 12:37:11.0	23.76
05/16/04 13:07:11.0	23.74
05/16/04 13:37:11.0	23.64
05/16/04 14:07:11.0	23.67
05/16/04 14:37:11.0	23.67
05/16/04 15:07:11.0	23.62
05/16/04 15:37:11.0	23.59
05/16/04 16:07:11.0	23.59
05/16/04 16:37:11.0	23.64
05/16/04 17:07:11.0	23.69
05/16/04 17:37:11.0	23.71
05/16/04 18:07:11.0	23.76
05/16/04 18:37:11.0	23.83
05/16/04 19:07:11.0	23.74
05/16/04 19:37:11.0	23.57
05/16/04 20:07:11.0	23.55
05/16/04 20:37:11.0	23.55
05/16/04 21:07:11.0	23.55
05/16/04 21:37:11.0	23.57
05/16/04 22:07:11.0	23.57
05/16/04 22:37:11.0	23.57
05/16/04 23:07:11.0	23.59
05/16/04 23:37:11.0	23.59
05/17/04 00:07:11.0	23.59

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/17/04 00:37:11.0	23.59
05/17/04 01:07:11.0	23.47
05/17/04 01:37:11.0	23.45
05/17/04 02:07:11.0	23.45
05/17/04 02:37:11.0	23.33
05/17/04 03:07:11.0	23.26
05/17/04 03:37:11.0	23.21
05/17/04 04:07:11.0	23.16
05/17/04 04:37:11.0	23.14
05/17/04 05:07:11.0	23.14
05/17/04 05:37:11.0	23.11
05/17/04 06:07:11.0	23.14
05/17/04 06:37:11.0	23.14
05/17/04 07:07:11.0	23.16
05/17/04 07:37:11.0	23.16
05/17/04 08:07:11.0	23.18
05/17/04 08:37:11.0	23.21
05/17/04 09:07:11.0	23.26
05/17/04 09:37:11.0	23.28
05/17/04 10:07:11.0	23.30
05/17/04 10:37:11.0	23.33
05/17/04 11:07:11.0	23.35
05/17/04 11:37:11.0	23.38
05/17/04 12:07:11.0	23.45
05/17/04 12:37:11.0	23.47
05/17/04 13:07:11.0	23.50
05/17/04 13:37:11.0	23.55
05/17/04 14:07:11.0	23.57
05/17/04 14:37:11.0	23.62
05/17/04 15:07:11.0	23.69
05/17/04 15:37:11.0	23.64
05/17/04 16:07:11.0	23.55
05/17/04 16:37:11.0	23.40
05/17/04 17:07:11.0	23.35
05/17/04 17:37:11.0	23.38
05/17/04 18:07:11.0	23.38
05/17/04 18:37:11.0	23.38
05/17/04 19:07:11.0	23.30
05/17/04 19:37:11.0	23.28
05/17/04 20:07:11.0	23.21
05/17/04 20:37:11.0	23.21
05/17/04 21:07:11.0	23.21
05/17/04 21:37:11.0	23.23
05/17/04 22:07:11.0	23.23
05/17/04 22:37:11.0	23.26
05/17/04 23:07:11.0	23.26
05/17/04 23:37:11.0	23.30
05/18/04 00:07:11.0	23.35
05/18/04 00:37:11.0	23.35
05/18/04 01:07:11.0	23.33
05/18/04 01:37:11.0	23.33
05/18/04 02:07:11.0	23.33
05/18/04 02:37:11.0	23.33
05/18/04 03:07:11.0	23.33

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/18/04 03:37:11.0	23.33
05/18/04 04:07:11.0	23.33
05/18/04 04:37:11.0	23.33
05/18/04 05:07:11.0	23.33
05/18/04 05:37:11.0	23.35
05/18/04 06:07:11.0	23.33
05/18/04 06:37:11.0	23.35
05/18/04 07:07:11.0	23.38
05/18/04 07:37:11.0	23.40
05/18/04 08:07:11.0	23.40
05/18/04 08:37:11.0	23.38
05/18/04 09:07:11.0	23.35
05/18/04 09:37:11.0	23.35
05/18/04 10:07:11.0	23.38
05/18/04 10:37:11.0	23.40
05/18/04 11:07:11.0	23.45
05/18/04 11:37:11.0	23.47
05/18/04 12:07:11.0	23.50
05/18/04 12:37:11.0	23.52
05/18/04 13:07:11.0	23.57
05/18/04 13:37:11.0	23.59
05/18/04 14:07:11.0	23.62
05/18/04 14:37:11.0	23.67
05/18/04 15:07:11.0	23.64
05/18/04 15:37:11.0	23.69
05/18/04 16:07:11.0	23.59
05/18/04 16:37:11.0	23.45
05/18/04 17:07:11.0	23.38
05/18/04 17:37:11.0	23.35
05/18/04 18:07:11.0	23.33
05/18/04 18:37:11.0	23.30
05/18/04 19:07:11.0	23.30
05/18/04 19:37:11.0	23.33
05/18/04 20:07:11.0	23.33
05/18/04 20:37:11.0	23.35
05/18/04 21:07:11.0	23.38
05/18/04 21:37:11.0	23.38
05/18/04 22:07:11.0	23.40
05/18/04 22:37:11.0	23.45
05/18/04 23:07:11.0	23.47
05/18/04 23:37:11.0	23.47
05/19/04 00:07:11.0	23.47
05/19/04 00:37:11.0	23.50
05/19/04 01:07:11.0	23.52
05/19/04 01:37:11.0	23.52
05/19/04 02:07:11.0	23.50
05/19/04 02:37:11.0	23.45
05/19/04 03:07:11.0	23.45
05/19/04 03:37:11.0	23.45
05/19/04 04:07:11.0	23.45
05/19/04 04:37:11.0	23.47
05/19/04 05:07:11.0	23.47
05/19/04 05:37:11.0	23.47
05/19/04 06:07:11.0	23.47

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/19/04 06:37:11.0	23.47
05/19/04 07:07:11.0	23.47
05/19/04 07:37:11.0	23.50
05/19/04 08:07:11.0	23.50
05/19/04 08:37:11.0	23.52
05/19/04 09:07:11.0	23.52
05/19/04 09:37:11.0	23.55
05/19/04 10:07:11.0	23.55
05/19/04 10:37:11.0	23.55
05/19/04 11:07:11.0	23.59
05/19/04 11:37:11.0	23.59
05/19/04 12:07:11.0	23.62
05/19/04 12:37:11.0	23.64
05/19/04 13:07:11.0	23.69
05/19/04 13:37:11.0	23.71
05/19/04 14:07:11.0	23.74
05/19/04 14:37:11.0	23.76
05/19/04 15:07:11.0	23.79
05/19/04 15:37:11.0	23.81
05/19/04 16:07:11.0	23.86
05/19/04 16:37:11.0	23.86
05/19/04 17:07:11.0	23.88
05/19/04 17:37:11.0	23.88
05/19/04 18:07:11.0	23.88
05/19/04 18:37:11.0	23.88
05/19/04 19:07:11.0	23.91
05/19/04 19:37:11.0	23.91
05/19/04 20:07:11.0	23.91
05/19/04 20:37:11.0	23.95
05/19/04 21:07:11.0	23.93
05/19/04 21:37:11.0	23.95
05/19/04 22:07:11.0	23.95
05/19/04 22:37:11.0	23.95
05/19/04 23:07:11.0	23.95
05/19/04 23:37:11.0	23.91
05/20/04 00:07:11.0	23.79
05/20/04 00:37:11.0	23.71
05/20/04 01:07:11.0	23.64
05/20/04 01:37:11.0	23.59
05/20/04 02:07:11.0	23.55
05/20/04 02:37:11.0	23.55
05/20/04 03:07:11.0	23.52
05/20/04 03:37:11.0	23.52
05/20/04 04:07:11.0	23.52
05/20/04 04:37:11.0	23.52
05/20/04 05:07:11.0	23.52
05/20/04 05:37:11.0	23.55
05/20/04 06:07:11.0	23.55
05/20/04 06:37:11.0	23.55
05/20/04 07:07:11.0	23.55
05/20/04 07:37:11.0	23.57
05/20/04 08:07:11.0	23.57
05/20/04 08:37:11.0	23.59
05/20/04 09:07:11.0	23.59

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/20/04 09:37:11.0	23.62
05/20/04 10:07:11.0	23.64
05/20/04 10:37:11.0	23.64
05/20/04 11:07:11.0	23.67
05/20/04 11:37:11.0	23.71
05/20/04 12:07:11.0	23.74
05/20/04 12:37:11.0	23.76
05/20/04 13:07:11.0	23.81
05/20/04 13:37:11.0	23.83
05/20/04 14:07:11.0	23.86
05/20/04 14:37:11.0	23.88
05/20/04 15:07:11.0	23.91
05/20/04 15:37:11.0	23.93
05/20/04 16:07:11.0	23.98
05/20/04 16:37:11.0	23.98
05/20/04 17:07:11.0	24.00
05/20/04 17:37:11.0	24.03
05/20/04 18:07:11.0	24.03
05/20/04 18:37:11.0	24.03
05/20/04 19:07:11.0	24.03
05/20/04 19:37:11.0	24.03
05/20/04 20:07:11.0	24.03
05/20/04 20:37:11.0	24.05
05/20/04 21:07:11.0	24.05
05/20/04 21:37:11.0	24.07
05/20/04 22:07:11.0	24.10
05/20/04 22:37:11.0	24.10
05/20/04 23:07:11.0	24.12
05/20/04 23:37:11.0	24.05
05/21/04 00:07:11.0	23.93
05/21/04 00:37:11.0	23.91
05/21/04 01:07:11.0	23.88
05/21/04 01:37:11.0	23.81
05/21/04 02:07:11.0	23.74
05/21/04 02:37:11.0	23.74
05/21/04 03:07:11.0	23.74
05/21/04 03:37:11.0	23.74
05/21/04 04:07:11.0	23.74
05/21/04 04:37:11.0	23.74
05/21/04 05:07:11.0	23.74
05/21/04 05:37:11.0	23.76
05/21/04 06:07:11.0	23.76
05/21/04 06:37:11.0	23.76
05/21/04 07:07:11.0	23.79
05/21/04 07:37:11.0	23.79
05/21/04 08:07:11.0	23.79
05/21/04 08:37:11.0	23.79
05/21/04 09:07:11.0	23.81
05/21/04 09:37:11.0	23.81
05/21/04 10:07:11.0	23.83
05/21/04 10:37:11.0	23.83
05/21/04 11:07:11.0	23.86
05/21/04 11:37:11.0	23.88
05/21/04 12:07:11.0	23.93

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/21/04 12:37:11.0	23.93
05/21/04 13:07:11.0	23.98
05/21/04 13:37:11.0	23.98
05/21/04 14:07:11.0	24.03
05/21/04 14:37:11.0	24.05
05/21/04 15:07:11.0	24.05
05/21/04 15:37:11.0	24.07
05/21/04 16:07:11.0	24.12
05/21/04 16:37:11.0	24.12
05/21/04 17:07:11.0	24.15
05/21/04 17:37:11.0	24.15
05/21/04 18:07:11.0	24.17
05/21/04 18:37:11.0	24.17
05/21/04 19:07:11.0	24.17
05/21/04 19:37:11.0	24.20
05/21/04 20:07:11.0	24.20
05/21/04 20:37:11.0	24.22
05/21/04 21:07:11.0	24.24
05/21/04 21:37:11.0	24.22
05/21/04 22:07:11.0	24.15
05/21/04 22:37:11.0	23.91
05/21/04 23:07:11.0	23.86
05/21/04 23:37:11.0	23.81
05/22/04 00:07:11.0	23.79
05/22/04 00:37:11.0	23.74
05/22/04 01:07:11.0	23.67
05/22/04 01:37:11.0	23.64
05/22/04 02:07:11.0	23.62
05/22/04 02:37:11.0	23.57
05/22/04 03:07:11.0	23.55
05/22/04 03:37:11.0	23.55
05/22/04 04:07:11.0	23.52
05/22/04 04:37:11.0	23.52
05/22/04 05:07:11.0	23.52
05/22/04 05:37:11.0	23.52
05/22/04 06:07:11.0	23.55
05/22/04 06:37:11.0	23.52
05/22/04 07:07:11.0	23.52
05/22/04 07:37:11.0	23.55
05/22/04 08:07:11.0	23.55
05/22/04 08:37:11.0	23.57
05/22/04 09:07:11.0	23.59
05/22/04 09:37:11.0	23.59
05/22/04 10:07:11.0	23.62
05/22/04 10:37:11.0	23.64
05/22/04 11:07:11.0	23.67
05/22/04 11:37:11.0	23.69
05/22/04 12:07:11.0	23.71
05/22/04 12:37:11.0	23.76
05/22/04 13:07:11.0	23.81
05/22/04 13:37:11.0	23.86
05/22/04 14:07:11.0	23.88
05/22/04 14:37:11.0	23.91
05/22/04 15:07:11.0	23.95

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/22/04 15:37:11.0	23.98
05/22/04 16:07:11.0	24.03
05/22/04 16:37:11.0	24.05
05/22/04 17:07:11.0	24.05
05/22/04 17:37:11.0	24.10
05/22/04 18:07:11.0	24.17
05/22/04 18:37:11.0	24.20
05/22/04 19:07:11.0	24.24
05/22/04 19:37:11.0	24.29
05/22/04 20:07:11.0	24.32
05/22/04 20:37:11.0	24.36
05/22/04 21:07:11.0	24.39
05/22/04 21:37:11.0	24.36
05/22/04 22:07:11.0	24.29
05/22/04 22:37:11.0	24.10
05/22/04 23:07:11.0	23.95
05/22/04 23:37:11.0	23.95
05/23/04 00:07:11.0	23.95
05/23/04 00:37:11.0	23.86
05/23/04 01:07:11.0	23.86
05/23/04 01:37:11.0	23.86
05/23/04 02:07:11.0	23.86
05/23/04 02:37:11.0	23.86
05/23/04 03:07:11.0	23.86
05/23/04 03:37:11.0	23.86
05/23/04 04:07:11.0	23.88
05/23/04 04:37:11.0	23.88
05/23/04 05:07:11.0	23.91
05/23/04 05:37:11.0	23.91
05/23/04 06:07:11.0	23.95
05/23/04 06:37:11.0	23.98
05/23/04 07:07:11.0	24.00
05/23/04 07:37:11.0	24.00
05/23/04 08:07:11.0	24.03
05/23/04 08:37:11.0	24.05
05/23/04 09:07:11.0	24.07
05/23/04 09:37:11.0	24.07
05/23/04 10:07:11.0	24.12
05/23/04 10:37:11.0	24.20
05/23/04 11:07:11.0	24.03
05/23/04 11:37:11.0	23.98
05/23/04 12:07:11.0	23.98
05/23/04 12:37:11.0	23.98
05/23/04 13:07:11.0	24.00
05/23/04 13:37:11.0	24.03
05/23/04 14:07:11.0	24.05
05/23/04 14:37:11.0	24.10
05/23/04 15:07:11.0	24.10
05/23/04 15:37:11.0	24.15
05/23/04 16:07:11.0	24.15
05/23/04 16:37:11.0	24.17
05/23/04 17:07:11.0	24.22
05/23/04 17:37:11.0	24.24
05/23/04 18:07:11.0	24.24

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/23/04 18:37:11.0	24.29
05/23/04 19:07:11.0	24.53
05/23/04 19:37:11.0	24.73
05/23/04 20:07:11.0	25.07
05/23/04 20:37:11.0	25.11
05/23/04 21:07:11.0	25.11
05/23/04 21:37:11.0	25.09
05/23/04 22:07:11.0	25.09
05/23/04 22:37:11.0	25.04
05/23/04 23:07:11.0	25.07
05/23/04 23:37:11.0	25.04
05/24/04 00:07:11.0	25.04
05/24/04 00:37:11.0	25.02
05/24/04 01:07:11.0	24.97
05/24/04 01:37:11.0	24.92
05/24/04 02:07:11.0	24.90
05/24/04 02:37:11.0	24.87
05/24/04 03:07:11.0	24.90
05/24/04 03:37:11.0	24.90
05/24/04 04:07:11.0	24.87
05/24/04 04:37:11.0	24.92
05/24/04 05:07:11.0	24.92
05/24/04 05:37:11.0	24.97
05/24/04 06:07:11.0	25.16
05/24/04 06:37:11.0	25.19
05/24/04 07:07:11.0	25.21
05/24/04 07:37:11.0	25.23
05/24/04 08:07:11.0	25.26
05/24/04 08:37:11.0	25.21
05/24/04 09:07:11.0	25.09
05/24/04 09:37:11.0	24.61
05/24/04 10:07:11.0	24.20
05/24/04 10:37:11.0	24.17
05/24/04 11:07:11.0	24.15
05/24/04 11:37:11.0	24.07
05/24/04 12:07:11.0	24.10
05/24/04 12:37:11.0	24.17
05/24/04 13:07:11.0	24.24
05/24/04 13:37:11.0	24.27
05/24/04 14:07:11.0	24.24
05/24/04 14:37:11.0	24.27
05/24/04 15:07:11.0	24.29
05/24/04 15:37:11.0	24.32
05/24/04 16:07:11.0	24.34
05/24/04 16:37:11.0	24.36
05/24/04 17:07:11.0	24.36
05/24/04 17:37:11.0	24.36
05/24/04 18:07:11.0	24.39
05/24/04 18:37:11.0	24.46
05/24/04 19:07:11.0	24.58
05/24/04 19:37:11.0	24.56
05/24/04 20:07:11.0	24.68
05/24/04 20:37:11.0	24.65
05/24/04 21:07:11.0	24.73

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/24/04 21:37:11.0	24.90
05/24/04 22:07:11.0	24.97
05/24/04 22:37:11.0	24.99
05/24/04 23:07:11.0	24.97
05/24/04 23:37:11.0	24.94
05/25/04 00:07:11.0	24.90
05/25/04 00:37:11.0	24.90
05/25/04 01:07:11.0	24.85
05/25/04 01:37:11.0	24.85
05/25/04 02:07:11.0	24.90
05/25/04 02:37:11.0	24.94
05/25/04 03:07:11.0	24.97
05/25/04 03:37:11.0	25.02
05/25/04 04:07:11.0	25.04
05/25/04 04:37:11.0	25.07
05/25/04 05:07:11.0	25.11
05/25/04 05:37:11.0	25.16
05/25/04 06:07:11.0	25.16
05/25/04 06:37:11.0	25.16
05/25/04 07:07:11.0	25.14
05/25/04 07:37:11.0	25.11
05/25/04 08:07:11.0	25.16
05/25/04 08:37:11.0	25.19
05/25/04 09:07:11.0	25.19
05/25/04 09:37:11.0	25.04
05/25/04 10:07:11.0	24.82
05/25/04 10:37:11.0	24.65
05/25/04 11:07:11.0	24.77
05/25/04 11:37:11.0	24.41
05/25/04 12:07:11.0	24.20
05/25/04 12:37:11.0	24.24
05/25/04 13:07:11.0	24.29
05/25/04 13:37:11.0	24.32
05/25/04 14:07:11.0	24.36
05/25/04 14:37:11.0	24.41
05/25/04 15:07:11.0	24.44
05/25/04 15:37:11.0	24.48
05/25/04 16:07:11.0	24.51
05/25/04 16:37:11.0	24.56
05/25/04 17:07:11.0	24.61
05/25/04 17:37:11.0	24.63
05/25/04 18:07:11.0	24.65
05/25/04 18:37:11.0	24.65
05/25/04 19:07:11.0	24.68
05/25/04 19:37:11.0	24.68
05/25/04 20:07:11.0	24.68
05/25/04 20:37:11.0	24.68
05/25/04 21:07:11.0	24.68
05/25/04 21:37:11.0	24.70
05/25/04 22:07:11.0	24.92
05/25/04 22:37:11.0	24.90
05/25/04 23:07:11.0	24.87
05/25/04 23:37:11.0	24.87
05/26/04 00:07:11.0	24.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/26/04 00:37:11.0	24.85
05/26/04 01:07:11.0	24.82
05/26/04 01:37:11.0	24.85
05/26/04 02:07:11.0	24.87
05/26/04 02:37:11.0	24.87
05/26/04 03:07:11.0	24.87
05/26/04 03:37:11.0	24.87
05/26/04 04:07:11.0	24.85
05/26/04 04:37:11.0	24.87
05/26/04 05:07:11.0	24.87
05/26/04 05:37:11.0	24.90
05/26/04 06:07:11.0	24.97
05/26/04 06:37:11.0	25.04
05/26/04 07:07:11.0	25.02
05/26/04 07:37:11.0	25.04
05/26/04 08:07:11.0	25.02
05/26/04 08:37:11.0	24.87
05/26/04 09:07:11.0	24.80
05/26/04 09:37:11.0	24.82
05/26/04 10:07:11.0	24.87
05/26/04 10:37:11.0	24.99
05/26/04 11:07:11.0	25.14
05/26/04 11:37:11.0	25.33
05/26/04 12:07:11.0	25.38
05/26/04 12:37:11.0	25.40
05/26/04 13:07:11.0	25.43
05/26/04 13:37:11.0	25.48
05/26/04 14:07:11.0	25.50
05/26/04 14:37:11.0	25.45
05/26/04 15:07:11.0	25.38
05/26/04 15:37:11.0	25.40
05/26/04 16:07:11.0	25.43
05/26/04 16:37:11.0	25.38
05/26/04 17:07:11.0	25.48
05/26/04 17:37:11.0	25.48
05/26/04 18:07:11.0	25.38
05/26/04 18:37:11.0	25.14
05/26/04 19:07:11.0	25.09
05/26/04 19:37:11.0	25.04
05/26/04 20:07:11.0	25.07
05/26/04 20:37:11.0	25.14
05/26/04 21:07:11.0	25.14
05/26/04 21:37:11.0	25.16
05/26/04 22:07:11.0	25.19
05/26/04 22:37:11.0	25.19
05/26/04 23:07:11.0	25.21
05/26/04 23:37:11.0	25.28
05/27/04 00:07:11.0	25.33
05/27/04 00:37:11.0	25.28
05/27/04 01:07:11.0	25.26
05/27/04 01:37:11.0	25.21
05/27/04 02:07:11.0	24.94
05/27/04 02:37:11.0	24.90
05/27/04 03:07:11.0	24.94

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/27/04 03:37:11.0	25.09
05/27/04 04:07:11.0	25.07
05/27/04 04:37:11.0	24.99
05/27/04 05:07:11.0	24.94
05/27/04 05:37:11.0	24.92
05/27/04 06:07:11.0	24.99
05/27/04 06:37:11.0	25.04
05/27/04 07:07:11.0	25.07
05/27/04 07:37:11.0	25.09
05/27/04 08:07:11.0	25.28
05/27/04 08:37:11.0	25.40
05/27/04 09:07:11.0	25.36
05/27/04 09:37:11.0	25.31
05/27/04 10:07:11.0	25.38
05/27/04 10:37:11.0	25.50
05/27/04 11:07:11.0	25.62
05/27/04 11:37:11.0	25.62
05/27/04 12:07:11.0	25.57
05/27/04 12:37:11.0	25.60
05/27/04 13:07:11.0	25.60
05/27/04 13:37:11.0	25.62
05/27/04 14:07:11.0	25.72
05/27/04 14:37:11.0	25.79
05/27/04 15:07:11.0	25.77
05/27/04 15:37:11.0	25.70
05/27/04 16:07:11.0	25.70
05/27/04 16:37:11.0	25.67
05/27/04 17:07:11.0	25.65
05/27/04 17:37:11.0	25.62
05/27/04 18:07:11.0	25.62
05/27/04 18:37:11.0	25.60
05/27/04 19:07:11.0	25.60
05/27/04 19:37:11.0	25.60
05/27/04 20:07:11.0	25.60
05/27/04 20:37:11.0	25.62
05/27/04 21:07:11.0	25.65
05/27/04 21:37:11.0	25.67
05/27/04 22:07:11.0	25.67
05/27/04 22:37:11.0	25.70
05/27/04 23:07:11.0	25.74
05/27/04 23:37:11.0	25.79
05/28/04 00:07:11.0	25.84
05/28/04 00:37:11.0	25.82
05/28/04 01:07:11.0	25.79
05/28/04 01:37:11.0	25.74
05/28/04 02:07:11.0	25.57
05/28/04 02:37:11.0	25.36
05/28/04 03:07:11.0	25.28
05/28/04 03:37:11.0	25.23
05/28/04 04:07:11.0	25.23
05/28/04 04:37:11.0	25.23
05/28/04 05:07:11.0	25.23
05/28/04 05:37:11.0	25.19
05/28/04 06:07:11.0	25.21

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/28/04 06:37:11.0	25.23
05/28/04 07:07:11.0	25.19
05/28/04 07:37:11.0	25.21
05/28/04 08:07:11.0	25.21
05/28/04 08:37:11.0	25.21
05/28/04 09:07:11.0	25.16
05/28/04 09:37:11.0	25.21
05/28/04 10:07:11.0	25.26
05/28/04 10:37:11.0	25.33
05/28/04 11:07:11.0	25.21
05/28/04 11:37:11.0	25.21
05/28/04 12:07:11.0	25.26
05/28/04 12:37:11.0	25.21
05/28/04 13:07:11.0	25.28
05/28/04 13:37:11.0	25.50
05/28/04 14:07:11.0	25.67
05/28/04 14:37:11.0	25.79
05/28/04 15:07:11.0	25.79
05/28/04 15:37:11.0	25.79
05/28/04 16:07:11.0	25.74
05/28/04 16:37:11.0	25.57
05/28/04 17:07:11.0	25.36
05/28/04 17:37:11.0	25.19
05/28/04 18:07:11.0	25.04
05/28/04 18:37:11.0	24.99
05/28/04 19:07:11.0	25.02
05/28/04 19:37:11.0	25.09
05/28/04 20:07:11.0	25.09
05/28/04 20:37:11.0	25.09
05/28/04 21:07:11.0	25.14
05/28/04 21:37:11.0	25.16
05/28/04 22:07:11.0	25.19
05/28/04 22:37:11.0	25.19
05/28/04 23:07:11.0	25.23
05/28/04 23:37:11.0	25.28
05/29/04 00:07:11.0	25.31
05/29/04 00:37:11.0	25.38
05/29/04 01:07:11.0	25.43
05/29/04 01:37:11.0	25.40
05/29/04 02:07:11.0	25.43
05/29/04 02:37:11.0	25.60
05/29/04 03:07:11.0	25.67
05/29/04 03:37:11.0	25.70
05/29/04 04:07:11.0	25.65
05/29/04 04:37:11.0	25.65
05/29/04 05:07:11.0	25.65
05/29/04 05:37:11.0	25.67
05/29/04 06:07:11.0	25.65
05/29/04 06:37:11.0	25.67
05/29/04 07:07:11.0	25.65
05/29/04 07:37:11.0	25.67
05/29/04 08:07:11.0	25.70
05/29/04 08:37:11.0	25.77
05/29/04 09:07:11.0	25.84

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/29/04 09:37:11.0	25.87
05/29/04 10:07:11.0	25.94
05/29/04 10:37:11.0	25.99
05/29/04 11:07:11.0	26.04
05/29/04 11:37:11.0	26.04
05/29/04 12:07:11.0	26.01
05/29/04 12:37:11.0	25.99
05/29/04 13:07:11.0	25.50
05/29/04 13:37:11.0	25.31
05/29/04 14:07:11.0	25.36
05/29/04 14:37:11.0	25.36
05/29/04 15:07:11.0	25.40
05/29/04 15:37:11.0	25.43
05/29/04 16:07:11.0	25.28
05/29/04 16:37:11.0	25.14
05/29/04 17:07:11.0	25.14
05/29/04 17:37:11.0	25.09
05/29/04 18:07:11.0	25.09
05/29/04 18:37:11.0	25.09
05/29/04 19:07:11.0	25.07
05/29/04 19:37:11.0	25.07
05/29/04 20:07:11.0	25.09
05/29/04 20:37:11.0	25.16
05/29/04 21:07:11.0	25.26
05/29/04 21:37:11.0	25.31
05/29/04 22:07:11.0	25.36
05/29/04 22:37:11.0	25.40
05/29/04 23:07:11.0	25.40
05/29/04 23:37:11.0	25.43
05/30/04 00:07:11.0	25.45
05/30/04 00:37:11.0	25.55
05/30/04 01:07:11.0	25.60
05/30/04 01:37:11.0	25.62
05/30/04 02:07:11.0	25.62
05/30/04 02:37:11.0	25.60
05/30/04 03:07:11.0	25.60
05/30/04 03:37:11.0	25.55
05/30/04 04:07:11.0	25.45
05/30/04 04:37:11.0	25.40
05/30/04 05:07:11.0	25.36
05/30/04 05:37:11.0	25.33
05/30/04 06:07:11.0	25.31
05/30/04 06:37:11.0	25.31
05/30/04 07:07:11.0	25.31
05/30/04 07:37:11.0	25.36
05/30/04 08:07:11.0	25.38
05/30/04 08:37:11.0	25.40
05/30/04 09:07:11.0	25.43
05/30/04 09:37:11.0	25.43
05/30/04 10:07:11.0	25.48
05/30/04 10:37:11.0	25.50
05/30/04 11:07:11.0	25.53
05/30/04 11:37:11.0	25.57
05/30/04 12:07:11.0	25.60

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/30/04 12:37:11.0	25.65
05/30/04 13:07:11.0	25.67
05/30/04 13:37:11.0	25.72
05/30/04 14:07:11.0	25.74
05/30/04 14:37:11.0	25.77
05/30/04 15:07:11.0	25.79
05/30/04 15:37:11.0	25.82
05/30/04 16:07:11.0	25.84
05/30/04 16:37:11.0	25.87
05/30/04 17:07:11.0	25.87
05/30/04 17:37:11.0	25.87
05/30/04 18:07:11.0	25.79
05/30/04 18:37:11.0	25.74
05/30/04 19:07:11.0	25.55
05/30/04 19:37:11.0	25.50
05/30/04 20:07:11.0	25.48
05/30/04 20:37:11.0	25.43
05/30/04 21:07:11.0	25.43
05/30/04 21:37:11.0	25.45
05/30/04 22:07:11.0	25.45
05/30/04 22:37:11.0	25.48
05/30/04 23:07:11.0	25.45
05/30/04 23:37:11.0	25.48
05/31/04 00:07:11.0	25.48
05/31/04 00:37:11.0	25.50
05/31/04 01:07:11.0	25.50
05/31/04 01:37:11.0	25.55
05/31/04 02:07:11.0	25.57
05/31/04 02:37:11.0	25.62
05/31/04 03:07:11.0	25.62
05/31/04 03:37:11.0	25.65
05/31/04 04:07:11.0	25.70
05/31/04 04:37:11.0	25.72
05/31/04 05:07:11.0	25.72
05/31/04 05:37:11.0	25.72
05/31/04 06:07:11.0	25.74
05/31/04 06:37:11.0	25.77
05/31/04 07:07:11.0	25.79
05/31/04 07:37:11.0	25.82
05/31/04 08:07:11.0	25.84
05/31/04 08:37:11.0	25.87
05/31/04 09:07:11.0	25.89
05/31/04 09:37:11.0	25.91
05/31/04 10:07:11.0	25.94
05/31/04 10:37:11.0	25.96
05/31/04 11:07:11.0	26.04
05/31/04 11:37:11.0	26.06
05/31/04 12:07:11.0	26.11
05/31/04 12:37:11.0	26.11
05/31/04 13:07:11.0	26.16
05/31/04 13:37:11.0	26.18
05/31/04 14:07:11.0	26.21
05/31/04 14:37:11.0	26.23
05/31/04 15:07:11.0	26.26

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
05/31/04 15:37:11.0	26.28
05/31/04 16:07:11.0	26.28
05/31/04 16:37:11.0	26.30
05/31/04 17:07:11.0	26.26
05/31/04 17:37:11.0	26.06
05/31/04 18:07:11.0	25.94
05/31/04 18:37:11.0	25.72
05/31/04 19:07:11.0	25.57
05/31/04 19:37:11.0	24.87
05/31/04 20:07:11.0	24.87
05/31/04 20:37:11.0	24.90
05/31/04 21:07:11.0	24.92
05/31/04 21:37:11.0	24.94
05/31/04 22:07:11.0	24.97
05/31/04 22:37:11.0	25.07
05/31/04 23:07:11.0	25.07
05/31/04 23:37:11.0	25.09
06/01/04 00:07:11.0	25.14
06/01/04 00:37:11.0	25.21
06/01/04 01:07:11.0	25.26
06/01/04 01:37:11.0	25.31
06/01/04 02:07:11.0	25.36
06/01/04 02:37:11.0	25.36
06/01/04 03:07:11.0	25.40
06/01/04 03:37:11.0	25.43
06/01/04 04:07:11.0	25.45
06/01/04 04:37:11.0	25.48
06/01/04 05:07:11.0	25.55
06/01/04 05:37:11.0	25.65
06/01/04 06:07:11.0	25.65
06/01/04 06:37:11.0	25.65
06/01/04 07:07:11.0	25.67
06/01/04 07:37:11.0	25.67
06/01/04 08:07:11.0	25.67
06/01/04 08:37:11.0	25.67
06/01/04 09:07:11.0	25.67
06/01/04 09:37:11.0	25.72
06/01/04 10:07:11.0	25.72
06/01/04 10:37:11.0	25.77
06/01/04 11:07:11.0	25.79
06/01/04 11:37:11.0	25.82
06/01/04 12:07:11.0	25.87
06/01/04 12:37:11.0	25.89
06/01/04 13:07:11.0	25.94
06/01/04 13:37:11.0	25.96
06/01/04 14:07:11.0	25.99
06/01/04 14:37:11.0	25.28
06/01/04 15:07:11.0	25.14
06/01/04 15:37:11.0	25.09
06/01/04 16:07:11.0	25.02
06/01/04 16:37:11.0	25.02
06/01/04 17:07:11.0	25.02
06/01/04 17:37:11.0	25.07
06/01/04 18:07:11.0	25.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/01/04 18:37:11.0	25.09
06/01/04 19:07:11.0	25.11
06/01/04 19:37:11.0	25.11
06/01/04 20:07:11.0	25.11
06/01/04 20:37:11.0	25.14
06/01/04 21:07:11.0	25.16
06/01/04 21:37:11.0	25.16
06/01/04 22:07:11.0	25.21
06/01/04 22:37:11.0	25.23
06/01/04 23:07:11.0	25.23
06/01/04 23:37:11.0	25.23
06/02/04 00:07:11.0	25.31
06/02/04 00:37:11.0	25.28
06/02/04 01:07:11.0	25.31
06/02/04 01:37:11.0	25.33
06/02/04 02:07:11.0	25.38
06/02/04 02:37:11.0	25.38
06/02/04 03:07:11.0	25.43
06/02/04 03:37:11.0	25.43
06/02/04 04:07:11.0	25.48
06/02/04 04:37:11.0	25.45
06/02/04 05:07:11.0	25.50
06/02/04 05:37:11.0	25.50
06/02/04 06:07:11.0	25.53
06/02/04 06:37:11.0	25.60
06/02/04 07:07:11.0	25.60
06/02/04 07:37:11.0	25.62
06/02/04 08:07:11.0	25.65
06/02/04 08:37:11.0	25.70
06/02/04 09:07:11.0	25.70
06/02/04 09:37:11.0	25.72
06/02/04 10:07:11.0	25.77
06/02/04 10:37:11.0	25.79
06/02/04 11:07:11.0	25.82
06/02/04 11:37:11.0	25.84
06/02/04 12:07:11.0	25.87
06/02/04 12:37:11.0	25.91
06/02/04 13:07:11.0	25.94
06/02/04 13:37:11.0	25.96
06/02/04 14:07:11.0	26.01
06/02/04 14:37:11.0	26.04
06/02/04 15:07:11.0	26.06
06/02/04 15:37:11.0	26.06
06/02/04 16:07:11.0	26.11
06/02/04 16:37:11.0	26.11
06/02/04 17:07:11.0	26.13
06/02/04 17:37:11.0	26.13
06/02/04 18:07:11.0	26.16
06/02/04 18:37:11.0	26.16
06/02/04 19:07:11.0	25.91
06/02/04 19:37:11.0	25.77
06/02/04 20:07:11.0	25.65
06/02/04 20:37:11.0	25.57
06/02/04 21:07:11.0	25.57

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/02/04 21:37:11.0	25.55
06/02/04 22:07:11.0	25.50
06/02/04 22:37:11.0	25.36
06/02/04 23:07:11.0	25.11
06/02/04 23:37:11.0	25.09
06/03/04 00:07:11.0	25.09
06/03/04 00:37:11.0	25.11
06/03/04 01:07:11.0	25.11
06/03/04 01:37:11.0	25.14
06/03/04 02:07:11.0	25.14
06/03/04 02:37:11.0	25.16
06/03/04 03:07:11.0	25.19
06/03/04 03:37:11.0	25.21
06/03/04 04:07:11.0	25.23
06/03/04 04:37:11.0	25.28
06/03/04 05:07:11.0	25.31
06/03/04 05:37:11.0	25.31
06/03/04 06:07:11.0	25.38
06/03/04 06:37:11.0	25.43
06/03/04 07:07:11.0	25.43
06/03/04 07:37:11.0	25.48
06/03/04 08:07:11.0	25.50
06/03/04 08:37:11.0	25.50
06/03/04 09:07:11.0	25.53
06/03/04 09:37:11.0	25.57
06/03/04 10:07:11.0	25.60
06/03/04 10:37:11.0	25.62
06/03/04 11:07:11.0	25.65
06/03/04 11:37:11.0	25.67
06/03/04 12:07:11.0	25.67
06/03/04 12:37:11.0	25.70
06/03/04 13:07:11.0	25.72
06/03/04 13:37:11.0	25.74
06/03/04 14:07:11.0	25.77
06/03/04 14:37:11.0	25.79
06/03/04 15:07:11.0	25.82
06/03/04 15:37:11.0	25.87
06/03/04 16:07:11.0	25.87
06/03/04 16:37:11.0	25.87
06/03/04 17:07:11.0	25.89
06/03/04 17:37:11.0	25.91
06/03/04 18:07:11.0	25.91
06/03/04 18:37:11.0	25.94
06/03/04 19:07:11.0	25.94
06/03/04 19:37:11.0	25.96
06/03/04 20:07:11.0	25.96
06/03/04 20:37:11.0	25.96
06/03/04 21:07:11.0	25.96
06/03/04 21:37:11.0	25.99
06/03/04 22:07:11.0	26.01
06/03/04 22:37:11.0	26.01
06/03/04 23:07:11.0	26.01
06/03/04 23:37:11.0	25.91
06/04/04 00:07:11.0	25.84

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/04/04 00:37:11.0	25.77
06/04/04 01:07:11.0	25.79
06/04/04 01:37:11.0	25.77
06/04/04 02:07:11.0	25.74
06/04/04 02:37:11.0	25.96
06/04/04 03:07:11.0	25.70
06/04/04 03:37:11.0	25.60
06/04/04 04:07:11.0	25.53
06/04/04 04:37:11.0	25.48
06/04/04 05:07:11.0	25.43
06/04/04 05:37:11.0	25.38
06/04/04 06:07:11.0	25.19
06/04/04 06:37:11.0	24.94
06/04/04 07:07:11.0	24.85
06/04/04 07:37:11.0	24.82
06/04/04 08:07:11.0	24.80
06/04/04 08:37:11.0	24.77
06/04/04 09:07:11.0	24.85
06/04/04 09:37:11.0	24.82
06/04/04 10:07:11.0	24.87
06/04/04 10:37:11.0	24.90
06/04/04 11:07:11.0	24.92
06/04/04 11:37:11.0	24.97
06/04/04 12:07:11.0	24.99
06/04/04 12:37:11.0	25.04
06/04/04 13:07:11.0	25.07
06/04/04 13:37:11.0	25.14
06/04/04 14:07:11.0	25.19
06/04/04 14:37:11.0	25.21
06/04/04 15:07:11.0	25.28
06/04/04 15:37:11.0	25.31
06/04/04 16:07:11.0	25.33
06/04/04 16:37:11.0	25.38
06/04/04 17:07:11.0	25.40
06/04/04 17:37:11.0	25.43
06/04/04 18:07:11.0	25.45
06/04/04 18:37:11.0	25.50
06/04/04 19:07:11.0	25.53
06/04/04 19:37:11.0	25.55
06/04/04 20:07:11.0	25.57
06/04/04 20:37:11.0	25.57
06/04/04 21:07:11.0	25.57
06/04/04 21:37:11.0	25.62
06/04/04 22:07:11.0	25.62
06/04/04 22:37:11.0	25.62
06/04/04 23:07:11.0	25.72
06/04/04 23:37:11.0	25.74
06/05/04 00:07:11.0	25.77
06/05/04 00:37:11.0	25.77
06/05/04 01:07:11.0	25.82
06/05/04 01:37:11.0	25.79
06/05/04 02:07:11.0	25.84
06/05/04 02:37:11.0	25.53
06/05/04 03:07:11.0	24.51

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/05/04 03:37:11.0	24.44
06/05/04 04:07:11.0	24.39
06/05/04 04:37:11.0	24.36
06/05/04 05:07:11.0	24.36
06/05/04 05:37:11.0	24.39
06/05/04 06:07:11.0	24.41
06/05/04 06:37:11.0	24.39
06/05/04 07:07:11.0	24.36
06/05/04 07:37:11.0	24.39
06/05/04 08:07:11.0	24.41
06/05/04 08:37:11.0	24.44
06/05/04 09:07:11.0	24.46
06/05/04 09:37:11.0	24.48
06/05/04 10:07:11.0	24.51
06/05/04 10:37:11.0	24.56
06/05/04 11:07:11.0	24.58
06/05/04 11:37:11.0	24.61
06/05/04 12:07:11.0	24.65
06/05/04 12:37:11.0	24.68
06/05/04 13:07:11.0	24.70
06/05/04 13:37:11.0	24.75
06/05/04 14:07:11.0	24.80
06/05/04 14:37:11.0	24.82
06/05/04 15:07:11.0	24.87
06/05/04 15:37:11.0	24.90
06/05/04 16:07:11.0	24.92
06/05/04 16:37:11.0	24.92
06/05/04 17:07:11.0	24.94
06/05/04 17:37:11.0	24.97
06/05/04 18:07:11.0	24.97
06/05/04 18:37:11.0	24.99
06/05/04 19:07:11.0	24.99
06/05/04 19:37:11.0	25.04
06/05/04 20:07:11.0	25.07
06/05/04 20:37:11.0	25.14
06/05/04 21:07:11.0	25.19
06/05/04 21:37:11.0	25.57
06/05/04 22:07:11.0	25.65
06/05/04 22:37:11.0	25.62
06/05/04 23:07:11.0	25.50
06/05/04 23:37:11.0	25.53
06/06/04 00:07:11.0	25.62
06/06/04 00:37:11.0	25.77
06/06/04 01:07:11.0	25.99
06/06/04 01:37:11.0	26.01
06/06/04 02:07:11.0	25.65
06/06/04 02:37:11.0	24.77
06/06/04 03:07:11.0	24.34
06/06/04 03:37:11.0	24.34
06/06/04 04:07:11.0	24.39
06/06/04 04:37:11.0	24.39
06/06/04 05:07:11.0	24.39
06/06/04 05:37:11.0	24.39
06/06/04 06:07:11.0	24.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/06/04 06:37:11.0	24.44
06/06/04 07:07:11.0	24.44
06/06/04 07:37:11.0	24.46
06/06/04 08:07:11.0	24.48
06/06/04 08:37:11.0	24.51
06/06/04 09:07:11.0	24.53
06/06/04 09:37:11.0	24.58
06/06/04 10:07:11.0	24.63
06/06/04 10:37:11.0	24.68
06/06/04 11:07:11.0	24.73
06/06/04 11:37:11.0	24.75
06/06/04 12:07:11.0	24.80
06/06/04 12:37:11.0	24.82
06/06/04 13:07:11.0	24.87
06/06/04 13:37:11.0	24.90
06/06/04 14:07:11.0	24.94
06/06/04 14:37:11.0	24.99
06/06/04 15:07:11.0	25.04
06/06/04 15:37:11.0	25.07
06/06/04 16:07:11.0	25.11
06/06/04 16:37:11.0	25.16
06/06/04 17:07:11.0	25.23
06/06/04 17:37:11.0	25.28
06/06/04 18:07:11.0	25.26
06/06/04 18:37:11.0	25.26
06/06/04 19:07:11.0	25.31
06/06/04 19:37:11.0	25.33
06/06/04 20:07:11.0	25.36
06/06/04 20:37:11.0	25.36
06/06/04 21:07:11.0	25.40
06/06/04 21:37:11.0	25.70
06/06/04 22:07:11.0	25.84
06/06/04 22:37:11.0	25.87
06/06/04 23:07:11.0	25.99
06/06/04 23:37:11.0	25.96
06/07/04 00:07:11.0	25.94
06/07/04 00:37:11.0	25.89
06/07/04 01:07:11.0	25.89
06/07/04 01:37:11.0	25.74
06/07/04 02:07:11.0	25.65
06/07/04 02:37:11.0	25.62
06/07/04 03:07:11.0	25.55
06/07/04 03:37:11.0	25.55
06/07/04 04:07:11.0	25.55
06/07/04 04:37:11.0	25.53
06/07/04 05:07:11.0	25.53
06/07/04 05:37:11.0	25.53
06/07/04 06:07:11.0	25.57
06/07/04 06:37:11.0	25.60
06/07/04 07:07:11.0	25.60
06/07/04 07:37:11.0	25.65
06/07/04 08:07:11.0	25.62
06/07/04 08:37:11.0	25.67
06/07/04 09:07:11.0	25.70

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/07/04 09:37:11.0	25.72
06/07/04 10:07:11.0	25.77
06/07/04 10:37:11.0	25.79
06/07/04 11:07:11.0	25.79
06/07/04 11:37:11.0	25.79
06/07/04 12:07:11.0	25.87
06/07/04 12:37:11.0	25.89
06/07/04 13:07:11.0	25.94
06/07/04 13:37:11.0	25.96
06/07/04 14:07:11.0	25.99
06/07/04 14:37:11.0	26.06
06/07/04 15:07:11.0	26.06
06/07/04 15:37:11.0	26.11
06/07/04 16:07:11.0	26.16
06/07/04 16:37:11.0	26.04
06/07/04 17:07:11.0	25.94
06/07/04 17:37:11.0	25.87
06/07/04 18:07:11.0	25.87
06/07/04 18:37:11.0	25.87
06/07/04 19:07:11.0	25.89
06/07/04 19:37:11.0	25.89
06/07/04 20:07:11.0	25.91
06/07/04 20:37:11.0	25.91
06/07/04 21:07:11.0	25.91
06/07/04 21:37:11.0	25.94
06/07/04 22:07:11.0	25.96
06/07/04 22:37:11.0	25.99
06/07/04 23:07:11.0	26.01
06/07/04 23:37:11.0	26.01
06/08/04 00:07:11.0	26.04
06/08/04 00:37:11.0	26.04
06/08/04 01:07:11.0	26.06
06/08/04 01:37:11.0	26.11
06/08/04 02:07:11.0	26.13
06/08/04 02:37:11.0	26.16
06/08/04 03:07:11.0	26.13
06/08/04 03:37:11.0	26.16
06/08/04 04:07:11.0	26.18
06/08/04 04:37:11.0	26.18
06/08/04 05:07:11.0	26.18
06/08/04 05:37:11.0	26.16
06/08/04 06:07:11.0	26.18
06/08/04 06:37:11.0	26.21
06/08/04 07:07:11.0	26.23
06/08/04 07:37:11.0	26.26
06/08/04 08:07:11.0	26.28
06/08/04 08:37:11.0	26.30
06/08/04 09:07:11.0	26.33
06/08/04 09:37:11.0	26.33
06/08/04 10:07:11.0	26.38
06/08/04 10:37:11.0	26.38
06/08/04 11:07:11.0	26.40
06/08/04 11:37:11.0	26.43
06/08/04 12:07:11.0	26.45

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/08/04 12:37:11.0	26.55
06/08/04 13:07:11.0	26.67
06/08/04 13:37:11.0	26.67
06/08/04 14:07:11.0	26.60
06/08/04 14:37:11.0	26.55
06/08/04 15:07:11.0	26.55
06/08/04 15:37:11.0	26.48
06/08/04 16:07:11.0	26.38
06/08/04 16:37:11.0	26.35
06/08/04 17:07:11.0	26.35
06/08/04 17:37:11.0	26.33
06/08/04 18:07:11.0	26.30
06/08/04 18:37:11.0	26.30
06/08/04 19:07:11.0	26.30
06/08/04 19:37:11.0	26.30
06/08/04 20:07:11.0	26.33
06/08/04 20:37:11.0	26.33
06/08/04 21:07:11.0	26.30
06/08/04 21:37:11.0	26.30
06/08/04 22:07:11.0	26.35
06/08/04 22:37:11.0	26.38
06/08/04 23:07:11.0	26.43
06/08/04 23:37:11.0	26.45
06/09/04 00:07:11.0	26.48
06/09/04 00:37:11.0	26.48
06/09/04 01:07:11.0	26.52
06/09/04 01:37:11.0	26.60
06/09/04 02:07:11.0	26.57
06/09/04 02:37:11.0	26.57
06/09/04 03:07:11.0	26.55
06/09/04 03:37:11.0	26.55
06/09/04 04:07:11.0	26.55
06/09/04 04:37:11.0	26.52
06/09/04 05:07:11.0	26.55
06/09/04 05:37:11.0	26.55
06/09/04 06:07:11.0	26.57
06/09/04 06:37:11.0	26.57
06/09/04 07:07:11.0	26.62
06/09/04 07:37:11.0	26.62
06/09/04 08:07:11.0	26.65
06/09/04 08:37:11.0	26.67
06/09/04 09:07:11.0	26.70
06/09/04 09:37:11.0	26.82
06/09/04 10:07:11.0	26.74
06/09/04 10:37:11.0	26.67
06/09/04 11:07:11.0	26.57
06/09/04 11:37:11.0	26.48
06/09/04 12:07:11.0	26.35
06/09/04 12:37:11.0	26.33
06/09/04 13:07:11.0	26.33
06/09/04 13:37:11.0	26.33
06/09/04 14:07:11.0	26.35
06/09/04 14:37:11.0	26.50
06/09/04 15:07:11.0	26.67

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/09/04 15:37:11.0	26.72
06/09/04 16:07:11.0	26.62
06/09/04 16:37:11.0	26.48
06/09/04 17:07:11.0	26.40
06/09/04 17:37:11.0	26.35
06/09/04 18:07:11.0	26.30
06/09/04 18:37:11.0	26.26
06/09/04 19:07:11.0	26.26
06/09/04 19:37:11.0	26.26
06/09/04 20:07:11.0	26.26
06/09/04 20:37:11.0	26.28
06/09/04 21:07:11.0	26.30
06/09/04 21:37:11.0	26.30
06/09/04 22:07:11.0	26.30
06/09/04 22:37:11.0	26.28
06/09/04 23:07:11.0	26.28
06/09/04 23:37:11.0	26.28
06/10/04 00:07:11.0	26.26
06/10/04 00:37:11.0	26.28
06/10/04 01:07:11.0	26.28
06/10/04 01:37:11.0	26.28
06/10/04 02:07:11.0	26.30
06/10/04 02:37:11.0	26.35
06/10/04 03:07:11.0	26.35
06/10/04 03:37:11.0	26.33
06/10/04 04:07:11.0	26.30
06/10/04 04:37:11.0	26.33
06/10/04 05:07:11.0	26.38
06/10/04 05:37:11.0	26.38
06/10/04 06:07:11.0	26.43
06/10/04 06:37:11.0	26.43
06/10/04 07:07:11.0	26.40
06/10/04 07:37:11.0	26.43
06/10/04 08:07:11.0	26.43
06/10/04 08:37:11.0	26.45
06/10/04 09:07:11.0	26.50
06/10/04 09:37:11.0	26.50
06/10/04 10:07:11.0	26.52
06/10/04 10:37:11.0	26.55
06/10/04 11:07:11.0	26.57
06/10/04 11:37:11.0	26.57
06/10/04 12:07:11.0	26.60
06/10/04 12:37:11.0	26.62
06/10/04 13:07:11.0	26.65
06/10/04 13:37:11.0	26.72
06/10/04 14:07:11.0	26.82
06/10/04 14:37:11.0	26.82
06/10/04 15:07:11.0	26.77
06/10/04 15:37:11.0	26.77
06/10/04 16:07:11.0	26.79
06/10/04 16:37:11.0	26.82
06/10/04 17:07:11.0	26.82
06/10/04 17:37:11.0	26.84
06/10/04 18:07:11.0	26.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/10/04 18:37:11.0	26.77
06/10/04 19:07:11.0	26.52
06/10/04 19:37:11.0	26.52
06/10/04 20:07:11.0	26.57
06/10/04 20:37:11.0	26.52
06/10/04 21:07:11.0	26.48
06/10/04 21:37:11.0	26.48
06/10/04 22:07:11.0	26.40
06/10/04 22:37:11.0	26.33
06/10/04 23:07:11.0	26.30
06/10/04 23:37:11.0	26.30
06/11/04 00:07:11.0	26.28
06/11/04 00:37:11.0	26.33
06/11/04 01:07:11.0	26.30
06/11/04 01:37:11.0	26.09
06/11/04 02:07:11.0	25.79
06/11/04 02:37:11.0	25.82
06/11/04 03:07:11.0	25.82
06/11/04 03:37:11.0	25.87
06/11/04 04:07:11.0	25.96
06/11/04 04:37:11.0	26.13
06/11/04 05:07:11.0	26.23
06/11/04 05:37:11.0	26.43
06/11/04 06:07:11.0	26.45
06/11/04 06:37:11.0	26.50
06/11/04 07:07:11.0	26.57
06/11/04 07:37:11.0	26.60
06/11/04 08:07:11.0	26.72
06/11/04 08:37:11.0	26.77
06/11/04 09:07:11.0	26.79
06/11/04 09:37:11.0	26.79
06/11/04 10:07:11.0	26.82
06/11/04 10:37:11.0	26.82
06/11/04 11:07:11.0	26.84
06/11/04 11:37:11.0	26.84
06/11/04 12:07:11.0	26.84
06/11/04 12:37:11.0	26.87
06/11/04 13:07:11.0	26.87
06/11/04 13:37:11.0	26.89
06/11/04 14:07:11.0	26.89
06/11/04 14:37:11.0	26.92
06/11/04 15:07:11.0	26.94
06/11/04 15:37:11.0	26.92
06/11/04 16:07:11.0	26.94
06/11/04 16:37:11.0	26.94
06/11/04 17:07:11.0	26.94
06/11/04 17:37:11.0	26.92
06/11/04 18:07:11.0	26.84
06/11/04 18:37:11.0	26.82
06/11/04 19:07:11.0	26.79
06/11/04 19:37:11.0	26.77
06/11/04 20:07:11.0	26.74
06/11/04 20:37:11.0	26.72
06/11/04 21:07:11.0	26.65

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/11/04 21:37:11.0	26.60
06/11/04 22:07:11.0	26.60
06/11/04 22:37:11.0	26.57
06/11/04 23:07:11.0	26.55
06/11/04 23:37:11.0	26.52
06/12/04 00:07:11.0	26.55
06/12/04 00:37:11.0	26.55
06/12/04 01:07:11.0	26.57
06/12/04 01:37:11.0	26.55
06/12/04 02:07:11.0	26.55
06/12/04 02:37:11.0	26.55
06/12/04 03:07:11.0	26.55
06/12/04 03:37:11.0	26.55
06/12/04 04:07:11.0	26.65
06/12/04 04:37:11.0	26.72
06/12/04 05:07:11.0	26.77
06/12/04 05:37:11.0	26.74
06/12/04 06:07:11.0	26.74
06/12/04 06:37:11.0	26.77
06/12/04 07:07:11.0	26.79
06/12/04 07:37:11.0	26.92
06/12/04 08:07:11.0	26.97
06/12/04 08:37:11.0	26.97
06/12/04 09:07:11.0	26.97
06/12/04 09:37:11.0	26.99
06/12/04 10:07:11.0	26.97
06/12/04 10:37:11.0	26.94
06/12/04 11:07:11.0	26.97
06/12/04 11:37:11.0	26.97
06/12/04 12:07:11.0	26.97
06/12/04 12:37:11.0	26.99
06/12/04 13:07:11.0	27.01
06/12/04 13:37:11.0	27.01
06/12/04 14:07:11.0	27.04
06/12/04 14:37:11.0	27.06
06/12/04 15:07:11.0	27.06
06/12/04 15:37:11.0	27.06
06/12/04 16:07:11.0	27.06
06/12/04 16:37:11.0	26.99
06/12/04 17:07:11.0	26.92
06/12/04 17:37:11.0	26.89
06/12/04 18:07:11.0	26.82
06/12/04 18:37:11.0	26.82
06/12/04 19:07:11.0	26.82
06/12/04 19:37:11.0	26.82
06/12/04 20:07:11.0	26.82
06/12/04 20:37:11.0	26.82
06/12/04 21:07:11.0	26.82
06/12/04 21:37:11.0	26.82
06/12/04 22:07:11.0	26.84
06/12/04 22:37:11.0	26.87
06/12/04 23:07:11.0	26.89
06/12/04 23:37:11.0	26.87
06/13/04 00:07:11.0	26.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/13/04 00:37:11.0	26.87
06/13/04 01:07:11.0	26.84
06/13/04 01:37:11.0	26.82
06/13/04 02:07:11.0	26.82
06/13/04 02:37:11.0	26.84
06/13/04 03:07:11.0	26.84
06/13/04 03:37:11.0	26.84
06/13/04 04:07:11.0	26.84
06/13/04 04:37:11.0	26.84
06/13/04 05:07:11.0	26.87
06/13/04 05:37:11.0	26.87
06/13/04 06:07:11.0	26.89
06/13/04 06:37:11.0	26.89
06/13/04 07:07:11.0	26.89
06/13/04 07:37:11.0	26.89
06/13/04 08:07:11.0	26.89
06/13/04 08:37:11.0	26.92
06/13/04 09:07:11.0	26.92
06/13/04 09:37:11.0	26.94
06/13/04 10:07:11.0	26.97
06/13/04 10:37:11.0	26.97
06/13/04 11:07:11.0	26.99
06/13/04 11:37:11.0	27.01
06/13/04 12:07:11.0	27.01
06/13/04 12:37:11.0	27.04
06/13/04 13:07:11.0	27.04
06/13/04 13:37:11.0	27.06
06/13/04 14:07:11.0	27.06
06/13/04 14:37:11.0	27.09
06/13/04 15:07:11.0	27.09
06/13/04 15:37:11.0	27.11
06/13/04 16:07:11.0	27.14
06/13/04 16:37:11.0	27.16
06/13/04 17:07:11.0	27.16
06/13/04 17:37:11.0	27.16
06/13/04 18:07:11.0	27.16
06/13/04 18:37:11.0	27.11
06/13/04 19:07:11.0	27.11
06/13/04 19:37:11.0	27.14
06/13/04 20:07:11.0	27.14
06/13/04 20:37:11.0	27.14
06/13/04 21:07:11.0	27.14
06/13/04 21:37:11.0	27.11
06/13/04 22:07:11.0	27.11
06/13/04 22:37:11.0	27.11
06/13/04 23:07:11.0	27.11
06/13/04 23:37:11.0	27.06
06/14/04 00:07:11.0	27.01
06/14/04 00:37:11.0	27.01
06/14/04 01:07:11.0	26.99
06/14/04 01:37:11.0	26.99
06/14/04 02:07:11.0	26.99
06/14/04 02:37:11.0	27.01
06/14/04 03:07:11.0	27.01

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/14/04 03:37:11.0	27.01
06/14/04 04:07:11.0	27.01
06/14/04 04:37:11.0	27.04
06/14/04 05:07:11.0	27.04
06/14/04 05:37:11.0	27.04
06/14/04 06:07:11.0	27.04
06/14/04 06:37:11.0	27.04
06/14/04 07:07:11.0	27.04
06/14/04 07:37:11.0	27.06
06/14/04 08:07:11.0	27.09
06/14/04 08:37:11.0	27.09
06/14/04 09:07:11.0	27.11
06/14/04 09:37:11.0	27.11
06/14/04 10:07:11.0	27.14
06/14/04 10:37:11.0	27.16
06/14/04 11:07:11.0	27.16
06/14/04 11:37:11.0	27.19
06/14/04 12:07:11.0	27.21
06/14/04 12:37:11.0	27.19
06/14/04 13:07:11.0	27.11
06/14/04 13:37:11.0	27.09
06/14/04 14:07:11.0	27.09
06/14/04 14:37:11.0	27.09
06/14/04 15:07:11.0	27.11
06/14/04 15:37:11.0	27.11
06/14/04 16:07:11.0	27.11
06/14/04 16:37:11.0	27.14
06/14/04 17:07:11.0	27.11
06/14/04 17:37:11.0	27.11
06/14/04 18:07:11.0	27.11
06/14/04 18:37:11.0	27.09
06/14/04 19:07:11.0	27.09
06/14/04 19:37:11.0	27.09
06/14/04 20:07:11.0	27.09
06/14/04 20:37:11.0	27.09
06/14/04 21:07:11.0	27.09
06/14/04 21:37:11.0	27.09
06/14/04 22:07:11.0	27.09
06/14/04 22:37:11.0	27.09
06/14/04 23:07:11.0	27.09
06/14/04 23:37:11.0	27.09
06/15/04 00:07:11.0	27.09
06/15/04 00:37:11.0	27.09
06/15/04 01:07:11.0	27.09
06/15/04 01:37:11.0	27.09
06/15/04 02:07:11.0	27.09
06/15/04 02:37:11.0	27.06
06/15/04 03:07:11.0	27.04
06/15/04 03:37:11.0	27.04
06/15/04 04:07:11.0	26.99
06/15/04 04:37:11.0	26.99
06/15/04 05:07:11.0	26.97
06/15/04 05:37:11.0	26.94
06/15/04 06:07:11.0	26.94

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/15/04 06:37:11.0	26.94
06/15/04 07:07:11.0	26.94
06/15/04 07:37:11.0	26.97
06/15/04 08:07:11.0	26.97
06/15/04 08:37:11.0	26.97
06/15/04 09:07:11.0	26.99
06/15/04 09:37:11.0	26.99
06/15/04 10:07:11.0	27.01
06/15/04 10:37:11.0	27.01
06/15/04 11:07:11.0	27.04
06/15/04 11:37:11.0	27.04
06/15/04 12:07:11.0	26.97
06/15/04 12:37:11.0	26.79
06/15/04 13:07:11.0	26.82
06/15/04 13:37:11.0	26.82
06/15/04 14:07:11.0	26.84
06/15/04 14:37:11.0	26.79
06/15/04 15:07:11.0	26.84
06/15/04 15:37:11.0	26.84
06/15/04 16:07:11.0	26.87
06/15/04 16:37:11.0	26.89
06/15/04 17:07:11.0	26.89
06/15/04 17:37:11.0	26.92
06/15/04 18:07:11.0	26.89
06/15/04 18:37:11.0	26.89
06/15/04 19:07:11.0	26.89
06/15/04 19:37:11.0	26.87
06/15/04 20:07:11.0	26.89
06/15/04 20:37:11.0	26.89
06/15/04 21:07:11.0	26.89
06/15/04 21:37:11.0	26.89
06/15/04 22:07:11.0	26.92
06/15/04 22:37:11.0	26.89
06/15/04 23:07:11.0	26.89
06/15/04 23:37:11.0	26.89
06/16/04 00:07:11.0	26.89
06/16/04 00:37:11.0	26.92
06/16/04 01:07:11.0	26.92
06/16/04 01:37:11.0	26.92
06/16/04 02:07:11.0	26.92
06/16/04 02:37:11.0	26.84
06/16/04 03:07:11.0	26.62
06/16/04 03:37:11.0	26.60
06/16/04 04:07:11.0	26.55
06/16/04 04:37:11.0	26.60
06/16/04 05:07:11.0	26.57
06/16/04 05:37:11.0	26.60
06/16/04 06:07:11.0	26.67
06/16/04 06:37:11.0	26.65
06/16/04 07:07:11.0	26.70
06/16/04 07:37:11.0	26.77
06/16/04 08:07:11.0	26.82
06/16/04 08:37:11.0	26.82
06/16/04 09:07:11.0	26.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/16/04 09:37:11.0	26.84
06/16/04 10:07:11.0	26.84
06/16/04 10:37:11.0	26.87
06/16/04 11:07:11.0	26.92
06/16/04 11:37:11.0	26.92
06/16/04 12:07:11.0	26.94
06/16/04 12:37:11.0	26.99
06/16/04 13:07:11.0	26.99
06/16/04 13:37:11.0	27.01
06/16/04 14:07:11.0	27.04
06/16/04 14:37:11.0	27.06
06/16/04 15:07:11.0	27.09
06/16/04 15:37:11.0	27.09
06/16/04 16:07:11.0	27.11
06/16/04 16:37:11.0	27.11
06/16/04 17:07:11.0	27.11
06/16/04 17:37:11.0	27.11
06/16/04 18:07:11.0	27.14
06/16/04 18:37:11.0	27.11
06/16/04 19:07:11.0	27.11
06/16/04 19:37:11.0	27.11
06/16/04 20:07:11.0	27.11
06/16/04 20:37:11.0	27.11
06/16/04 21:07:11.0	27.11
06/16/04 21:37:11.0	27.11
06/16/04 22:07:11.0	27.14
06/16/04 22:37:11.0	27.14
06/16/04 23:07:11.0	27.14
06/16/04 23:37:11.0	27.14
06/17/04 00:07:11.0	27.14
06/17/04 00:37:11.0	27.14
06/17/04 01:07:11.0	27.14
06/17/04 01:37:11.0	27.09
06/17/04 02:07:11.0	27.06
06/17/04 02:37:11.0	27.01
06/17/04 03:07:11.0	26.89
06/17/04 03:37:11.0	26.62
06/17/04 04:07:11.0	26.48
06/17/04 04:37:11.0	26.45
06/17/04 05:07:11.0	26.48
06/17/04 05:37:11.0	26.48
06/17/04 06:07:11.0	26.50
06/17/04 06:37:11.0	26.50
06/17/04 07:07:11.0	26.50
06/17/04 07:37:11.0	26.55
06/17/04 08:07:11.0	26.57
06/17/04 08:37:11.0	26.60
06/17/04 09:07:11.0	26.62
06/17/04 09:37:11.0	26.65
06/17/04 10:07:11.0	26.70
06/17/04 10:37:11.0	26.72
06/17/04 11:07:11.0	26.77
06/17/04 11:37:11.0	26.82
06/17/04 12:07:11.0	26.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/17/04 12:37:11.0	26.92
06/17/04 13:07:11.0	26.97
06/17/04 13:37:11.0	26.89
06/17/04 14:07:11.0	26.87
06/17/04 14:37:11.0	26.87
06/17/04 15:07:11.0	26.79
06/17/04 15:37:11.0	26.84
06/17/04 16:07:11.0	26.87
06/17/04 16:37:11.0	26.87
06/17/04 17:07:11.0	26.89
06/17/04 17:37:11.0	26.92
06/17/04 18:07:11.0	27.09
06/17/04 18:37:11.0	27.11
06/17/04 19:07:11.0	27.09
06/17/04 19:37:11.0	27.09
06/17/04 20:07:11.0	27.09
06/17/04 20:37:11.0	27.09
06/17/04 21:07:11.0	27.09
06/17/04 21:37:11.0	27.09
06/17/04 22:07:11.0	27.09
06/17/04 22:37:11.0	27.09
06/17/04 23:07:11.0	27.09
06/17/04 23:37:11.0	27.09
06/18/04 00:07:11.0	27.09
06/18/04 00:37:11.0	27.09
06/18/04 01:07:11.0	27.09
06/18/04 01:37:11.0	27.09
06/18/04 02:07:11.0	27.11
06/18/04 02:37:11.0	27.14
06/18/04 03:07:11.0	27.14
06/18/04 03:37:11.0	27.16
06/18/04 04:07:11.0	26.74
06/18/04 04:37:11.0	26.48
06/18/04 05:07:11.0	26.43
06/18/04 05:37:11.0	26.43
06/18/04 06:07:11.0	26.50
06/18/04 06:37:11.0	26.55
06/18/04 07:07:11.0	26.74
06/18/04 07:37:11.0	26.82
06/18/04 08:07:11.0	26.97
06/18/04 08:37:11.0	27.11
06/18/04 09:07:11.0	27.26
06/18/04 09:37:11.0	27.31
06/18/04 10:07:11.0	27.36
06/18/04 10:37:11.0	27.41
06/18/04 11:07:11.0	27.43
06/18/04 11:37:11.0	27.43
06/18/04 12:07:11.0	27.46
06/18/04 12:37:11.0	27.48
06/18/04 13:07:11.0	27.48
06/18/04 13:37:11.0	27.46
06/18/04 14:07:11.0	27.33
06/18/04 14:37:11.0	27.26
06/18/04 15:07:11.0	27.21

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/18/04 15:37:11.0	27.21
06/18/04 16:07:11.0	27.19
06/18/04 16:37:11.0	27.21
06/18/04 17:07:11.0	27.24
06/18/04 17:37:11.0	27.24
06/18/04 18:07:11.0	27.24
06/18/04 18:37:11.0	27.24
06/18/04 19:07:11.0	27.24
06/18/04 19:37:11.0	27.21
06/18/04 20:07:11.0	27.21
06/18/04 20:37:11.0	27.24
06/18/04 21:07:11.0	27.24
06/18/04 21:37:11.0	27.24
06/18/04 22:07:11.0	27.24
06/18/04 22:37:11.0	27.24
06/18/04 23:07:11.0	27.24
06/18/04 23:37:11.0	27.21
06/19/04 00:07:11.0	27.24
06/19/04 00:37:11.0	27.24
06/19/04 01:07:11.0	27.09
06/19/04 01:37:11.0	27.04
06/19/04 02:07:11.0	27.04
06/19/04 02:37:11.0	27.01
06/19/04 03:07:11.0	26.94
06/19/04 03:37:11.0	26.89
06/19/04 04:07:11.0	26.87
06/19/04 04:37:11.0	26.87
06/19/04 05:07:11.0	26.84
06/19/04 05:37:11.0	26.84
06/19/04 06:07:11.0	26.87
06/19/04 06:37:11.0	26.89
06/19/04 07:07:11.0	26.89
06/19/04 07:37:11.0	26.97
06/19/04 08:07:11.0	27.19
06/19/04 08:37:11.0	27.11
06/19/04 09:07:11.0	27.16
06/19/04 09:37:11.0	27.19
06/19/04 10:07:11.0	27.21
06/19/04 10:37:11.0	27.24
06/19/04 11:07:11.0	27.28
06/19/04 11:37:11.0	27.31
06/19/04 12:07:11.0	27.36
06/19/04 12:37:11.0	27.38
06/19/04 13:07:11.0	27.43
06/19/04 13:37:11.0	27.46
06/19/04 14:07:11.0	27.48
06/19/04 14:37:11.0	27.55
06/19/04 15:07:11.0	27.53
06/19/04 15:37:11.0	27.38
06/19/04 16:07:11.0	27.19
06/19/04 16:37:11.0	27.16
06/19/04 17:07:11.0	27.16
06/19/04 17:37:11.0	27.14
06/19/04 18:07:11.0	27.14

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/19/04 18:37:11.0	27.14
06/19/04 19:07:11.0	27.19
06/19/04 19:37:11.0	27.19
06/19/04 20:07:11.0	27.19
06/19/04 20:37:11.0	27.33
06/19/04 21:07:11.0	27.06
06/19/04 21:37:11.0	26.87
06/19/04 22:07:11.0	26.65
06/19/04 22:37:11.0	26.50
06/19/04 23:07:11.0	26.52
06/19/04 23:37:11.0	26.57
06/20/04 00:07:11.0	26.70
06/20/04 00:37:11.0	26.72
06/20/04 01:07:11.0	26.87
06/20/04 01:37:11.0	27.09
06/20/04 02:07:11.0	27.24
06/20/04 02:37:11.0	27.31
06/20/04 03:07:11.0	27.36
06/20/04 03:37:11.0	27.46
06/20/04 04:07:11.0	27.55
06/20/04 04:37:11.0	27.65
06/20/04 05:07:11.0	27.60
06/20/04 05:37:11.0	27.58
06/20/04 06:07:11.0	27.55
06/20/04 06:37:11.0	27.53
06/20/04 07:07:11.0	27.55
06/20/04 07:37:11.0	27.55
06/20/04 08:07:11.0	27.58
06/20/04 08:37:11.0	27.60
06/20/04 09:07:11.0	27.60
06/20/04 09:37:11.0	27.65
06/20/04 10:07:11.0	27.48
06/20/04 10:37:11.0	27.41
06/20/04 11:07:11.0	27.33
06/20/04 11:37:11.0	27.04
06/20/04 12:07:11.0	26.84
06/20/04 12:37:11.0	26.74
06/20/04 13:07:11.0	26.65
06/20/04 13:37:11.0	26.67
06/20/04 14:07:11.0	26.65
06/20/04 14:37:11.0	26.70
06/20/04 15:07:11.0	26.77
06/20/04 15:37:11.0	26.82
06/20/04 16:07:11.0	26.84
06/20/04 16:37:11.0	26.89
06/20/04 17:07:11.0	26.94
06/20/04 17:37:11.0	26.97
06/20/04 18:07:11.0	26.99
06/20/04 18:37:11.0	27.01
06/20/04 19:07:11.0	27.06
06/20/04 19:37:11.0	27.24
06/20/04 20:07:11.0	27.26
06/20/04 20:37:11.0	27.28
06/20/04 21:07:11.0	27.19

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/20/04 21:37:11.0	27.14
06/20/04 22:07:11.0	27.26
06/20/04 22:37:11.0	27.38
06/20/04 23:07:11.0	27.43
06/20/04 23:37:11.0	27.43
06/21/04 00:07:11.0	27.36
06/21/04 00:37:11.0	27.33
06/21/04 01:07:11.0	27.38
06/21/04 01:37:11.0	27.38
06/21/04 02:07:11.0	27.41
06/21/04 02:37:11.0	27.46
06/21/04 03:07:11.0	27.55
06/21/04 03:37:11.0	27.60
06/21/04 04:07:11.0	27.60
06/21/04 04:37:11.0	27.63
06/21/04 05:07:11.0	27.60
06/21/04 05:37:11.0	27.60
06/21/04 06:07:11.0	27.58
06/21/04 06:37:11.0	27.58
06/21/04 07:07:11.0	27.63
06/21/04 07:37:11.0	27.60
06/21/04 08:07:11.0	27.60
06/21/04 08:37:11.0	27.63
06/21/04 09:07:11.0	27.53
06/21/04 09:37:11.0	27.53
06/21/04 10:07:11.0	27.55
06/21/04 10:37:11.0	27.51
06/21/04 11:07:11.0	27.55
06/21/04 11:37:11.0	27.58
06/21/04 12:07:11.0	27.60
06/21/04 12:37:11.0	27.63
06/21/04 13:07:11.0	27.63
06/21/04 13:37:11.0	27.65
06/21/04 14:07:11.0	27.58
06/21/04 14:37:11.0	27.53
06/21/04 15:07:11.0	27.43
06/21/04 15:37:11.0	27.36
06/21/04 16:07:11.0	27.24
06/21/04 16:37:11.0	27.14
06/21/04 17:07:11.0	27.11
06/21/04 17:37:11.0	27.16
06/21/04 18:07:11.0	27.19
06/21/04 18:37:11.0	27.21
06/21/04 19:07:11.0	27.26
06/21/04 19:37:11.0	27.14
06/21/04 20:07:11.0	27.06
06/21/04 20:37:11.0	27.06
06/21/04 21:07:11.0	27.11
06/21/04 21:37:11.0	27.11
06/21/04 22:07:11.0	27.14
06/21/04 22:37:11.0	27.19
06/21/04 23:07:11.0	27.21
06/21/04 23:37:11.0	27.26
06/22/04 00:07:11.0	27.24

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/22/04 00:37:11.0	27.28
06/22/04 01:07:11.0	27.28
06/22/04 01:37:11.0	27.51
06/22/04 02:07:11.0	27.48
06/22/04 02:37:11.0	27.46
06/22/04 03:07:11.0	27.46
06/22/04 03:37:11.0	27.48
06/22/04 04:07:11.0	27.51
06/22/04 04:37:11.0	27.51
06/22/04 05:07:11.0	27.51
06/22/04 05:37:11.0	27.51
06/22/04 06:07:11.0	27.53
06/22/04 06:37:11.0	27.55
06/22/04 07:07:11.0	27.55
06/22/04 07:37:11.0	27.58
06/22/04 08:07:11.0	27.58
06/22/04 08:37:11.0	27.63
06/22/04 09:07:11.0	27.63
06/22/04 09:37:11.0	27.65
06/22/04 10:07:11.0	27.70
06/22/04 10:37:11.0	27.70
06/22/04 11:07:11.0	27.75
06/22/04 11:37:11.0	27.78
06/22/04 12:07:11.0	27.78
06/22/04 12:37:11.0	27.83
06/22/04 13:07:11.0	27.85
06/22/04 13:37:11.0	27.90
06/22/04 14:07:11.0	27.90
06/22/04 14:37:11.0	27.85
06/22/04 15:07:11.0	27.85
06/22/04 15:37:11.0	27.70
06/22/04 16:07:11.0	27.11
06/22/04 16:37:11.0	26.84
06/22/04 17:07:11.0	26.74
06/22/04 17:37:11.0	26.62
06/22/04 18:07:11.0	26.62
06/22/04 18:37:11.0	26.60
06/22/04 19:07:11.0	26.57
06/22/04 19:37:11.0	26.57
06/22/04 20:07:11.0	26.60
06/22/04 20:37:11.0	26.60
06/22/04 21:07:11.0	26.62
06/22/04 21:37:11.0	26.62
06/22/04 22:07:11.0	26.67
06/22/04 22:37:11.0	26.70
06/22/04 23:07:11.0	26.72
06/22/04 23:37:11.0	26.74
06/23/04 00:07:11.0	26.74
06/23/04 00:37:11.0	26.82
06/23/04 01:07:11.0	26.79
06/23/04 01:37:11.0	26.84
06/23/04 02:07:11.0	26.84
06/23/04 02:37:11.0	26.92
06/23/04 03:07:11.0	26.94

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/23/04 03:37:11.0	26.97
06/23/04 04:07:11.0	27.01
06/23/04 04:37:11.0	27.06
06/23/04 05:07:11.0	27.11
06/23/04 05:37:11.0	27.16
06/23/04 06:07:11.0	27.14
06/23/04 06:37:11.0	27.19
06/23/04 07:07:11.0	27.24
06/23/04 07:37:11.0	27.26
06/23/04 08:07:11.0	27.28
06/23/04 08:37:11.0	27.31
06/23/04 09:07:11.0	27.38
06/23/04 09:37:11.0	27.38
06/23/04 10:07:11.0	27.38
06/23/04 10:37:11.0	27.41
06/23/04 11:07:11.0	27.41
06/23/04 11:37:11.0	27.41
06/23/04 12:07:11.0	27.43
06/23/04 12:37:11.0	27.46
06/23/04 13:07:11.0	27.51
06/23/04 13:37:11.0	27.51
06/23/04 14:07:11.0	27.53
06/23/04 14:37:11.0	27.53
06/23/04 15:07:11.0	27.53
06/23/04 15:37:11.0	27.51
06/23/04 16:07:11.0	27.21
06/23/04 16:37:11.0	26.74
06/23/04 17:07:11.0	26.21
06/23/04 17:37:11.0	26.23
06/23/04 18:07:11.0	26.26
06/23/04 18:37:11.0	26.26
06/23/04 19:07:11.0	26.28
06/23/04 19:37:11.0	26.33
06/23/04 20:07:11.0	26.33
06/23/04 20:37:11.0	26.35
06/23/04 21:07:11.0	26.38
06/23/04 21:37:11.0	26.40
06/23/04 22:07:11.0	26.40
06/23/04 22:37:11.0	26.43
06/23/04 23:07:11.0	26.45
06/23/04 23:37:11.0	26.48
06/24/04 00:07:11.0	26.48
06/24/04 00:37:11.0	26.50
06/24/04 01:07:11.0	26.55
06/24/04 01:37:11.0	26.57
06/24/04 02:07:11.0	26.60
06/24/04 02:37:11.0	26.67
06/24/04 03:07:11.0	26.67
06/24/04 03:37:11.0	26.72
06/24/04 04:07:11.0	26.77
06/24/04 04:37:11.0	26.82
06/24/04 05:07:11.0	26.92
06/24/04 05:37:11.0	26.94
06/24/04 06:07:11.0	26.99

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/24/04 06:37:11.0	27.01
06/24/04 07:07:11.0	27.06
06/24/04 07:37:11.0	27.09
06/24/04 08:07:11.0	27.11
06/24/04 08:37:11.0	27.11
06/24/04 09:07:11.0	27.16
06/24/04 09:37:11.0	27.19
06/24/04 10:07:11.0	27.19
06/24/04 10:37:11.0	27.24
06/24/04 11:07:11.0	27.28
06/24/04 11:37:11.0	27.31
06/24/04 12:07:11.0	27.31
06/24/04 12:37:11.0	27.38
06/24/04 13:07:11.0	27.48
06/24/04 13:37:11.0	27.58
06/24/04 14:07:11.0	27.80
06/24/04 14:37:11.0	28.07
06/24/04 15:07:11.0	28.37
06/24/04 15:37:11.0	28.22
06/24/04 16:07:11.0	27.95
06/24/04 16:37:11.0	27.55
06/24/04 17:07:11.0	27.09
06/24/04 17:37:11.0	27.14
06/24/04 18:07:11.0	27.09
06/24/04 18:37:11.0	27.06
06/24/04 19:07:11.0	27.04
06/24/04 19:37:11.0	26.99
06/24/04 20:07:11.0	26.92
06/24/04 20:37:11.0	26.84
06/24/04 21:07:11.0	26.62
06/24/04 21:37:11.0	26.52
06/24/04 22:07:11.0	26.48
06/24/04 22:37:11.0	26.43
06/24/04 23:07:11.0	26.43
06/24/04 23:37:11.0	26.45
06/25/04 00:07:11.0	26.45
06/25/04 00:37:11.0	26.48
06/25/04 01:07:11.0	26.50
06/25/04 01:37:11.0	26.50
06/25/04 02:07:11.0	26.52
06/25/04 02:37:11.0	26.55
06/25/04 03:07:11.0	26.57
06/25/04 03:37:11.0	26.57
06/25/04 04:07:11.0	26.60
06/25/04 04:37:11.0	26.65
06/25/04 05:07:11.0	26.70
06/25/04 05:37:11.0	26.72
06/25/04 06:07:11.0	26.74
06/25/04 06:37:11.0	26.82
06/25/04 07:07:11.0	28.27
06/25/04 07:37:11.0	28.44
06/25/04 08:07:11.0	28.44
06/25/04 08:37:11.0	28.44
06/25/04 09:07:11.0	28.44

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/25/04 09:37:11.0	28.42
06/25/04 10:07:11.0	28.39
06/25/04 10:37:11.0	28.30
06/25/04 11:07:11.0	28.22
06/25/04 11:37:11.0	28.20
06/25/04 12:07:11.0	28.15
06/25/04 12:37:11.0	28.12
06/25/04 13:07:11.0	28.00
06/25/04 13:37:11.0	27.78
06/25/04 14:07:11.0	27.63
06/25/04 14:37:11.0	27.46
06/25/04 15:07:11.0	27.28
06/25/04 15:37:11.0	27.06
06/25/04 16:07:11.0	27.04
06/25/04 16:37:11.0	27.04
06/25/04 17:07:11.0	27.16
06/25/04 17:37:11.0	27.19
06/25/04 18:07:11.0	27.14
06/25/04 18:37:11.0	27.28
06/25/04 19:07:11.0	27.43
06/25/04 19:37:11.0	27.46
06/25/04 20:07:11.0	27.46
06/25/04 20:37:11.0	27.51
06/25/04 21:07:11.0	27.38
06/25/04 21:37:11.0	27.41
06/25/04 22:07:11.0	27.53
06/25/04 22:37:11.0	27.63
06/25/04 23:07:11.0	27.60
06/25/04 23:37:11.0	27.53
06/26/04 00:07:11.0	27.43
06/26/04 00:37:11.0	27.41
06/26/04 01:07:11.0	27.38
06/26/04 01:37:11.0	27.38
06/26/04 02:07:11.0	27.46
06/26/04 02:37:11.0	27.55
06/26/04 03:07:11.0	27.63
06/26/04 03:37:11.0	27.75
06/26/04 04:07:11.0	27.90
06/26/04 04:37:11.0	27.97
06/26/04 05:07:11.0	28.02
06/26/04 05:37:11.0	27.95
06/26/04 06:07:11.0	28.00
06/26/04 06:37:11.0	28.05
06/26/04 07:07:11.0	28.05
06/26/04 07:37:11.0	28.00
06/26/04 08:07:11.0	27.92
06/26/04 08:37:11.0	27.83
06/26/04 09:07:11.0	27.78
06/26/04 09:37:11.0	27.73
06/26/04 10:07:11.0	27.73
06/26/04 10:37:11.0	27.65
06/26/04 11:07:11.0	27.55
06/26/04 11:37:11.0	27.48
06/26/04 12:07:11.0	27.36

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/26/04 12:37:11.0	27.01
06/26/04 13:07:11.0	26.72
06/26/04 13:37:11.0	26.40
06/26/04 14:07:11.0	26.43
06/26/04 14:37:11.0	26.57
06/26/04 15:07:11.0	26.84
06/26/04 15:37:11.0	27.31
06/26/04 16:07:11.0	27.68
06/26/04 16:37:11.0	27.80
06/26/04 17:07:11.0	27.85
06/26/04 17:37:11.0	27.80
06/26/04 18:07:11.0	27.65
06/26/04 18:37:11.0	27.55
06/26/04 19:07:11.0	27.58
06/26/04 19:37:11.0	27.60
06/26/04 20:07:11.0	27.60
06/26/04 20:37:11.0	27.60
06/26/04 21:07:11.0	27.60
06/26/04 21:37:11.0	27.55
06/26/04 22:07:11.0	27.48
06/26/04 22:37:11.0	27.43
06/26/04 23:07:11.0	27.48
06/26/04 23:37:11.0	27.53
06/27/04 00:07:11.0	27.55
06/27/04 00:37:11.0	27.55
06/27/04 01:07:11.0	27.51
06/27/04 01:37:11.0	27.46
06/27/04 02:07:11.0	27.43
06/27/04 02:37:11.0	27.38
06/27/04 03:07:11.0	27.36
06/27/04 03:37:11.0	27.41
06/27/04 04:07:11.0	27.48
06/27/04 04:37:11.0	27.48
06/27/04 05:07:11.0	27.46
06/27/04 05:37:11.0	27.46
06/27/04 06:07:11.0	27.46
06/27/04 06:37:11.0	27.46
06/27/04 07:07:11.0	27.46
06/27/04 07:37:11.0	27.51
06/27/04 08:07:11.0	27.65
06/27/04 08:37:11.0	27.63
06/27/04 09:07:11.0	27.63
06/27/04 09:37:11.0	27.68
06/27/04 10:07:11.0	27.70
06/27/04 10:37:11.0	27.73
06/27/04 11:07:11.0	27.70
06/27/04 11:37:11.0	27.60
06/27/04 12:07:11.0	27.43
06/27/04 12:37:11.0	27.38
06/27/04 13:07:11.0	27.36
06/27/04 13:37:11.0	27.36
06/27/04 14:07:11.0	27.38
06/27/04 14:37:11.0	27.41
06/27/04 15:07:11.0	27.43

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/27/04 15:37:11.0	27.46
06/27/04 16:07:11.0	27.46
06/27/04 16:37:11.0	27.51
06/27/04 17:07:11.0	27.48
06/27/04 17:37:11.0	27.38
06/27/04 18:07:11.0	27.33
06/27/04 18:37:11.0	27.26
06/27/04 19:07:11.0	27.24
06/27/04 19:37:11.0	27.26
06/27/04 20:07:11.0	27.28
06/27/04 20:37:11.0	27.33
06/27/04 21:07:11.0	27.36
06/27/04 21:37:11.0	27.38
06/27/04 22:07:11.0	27.41
06/27/04 22:37:11.0	27.43
06/27/04 23:07:11.0	27.48
06/27/04 23:37:11.0	27.51
06/28/04 00:07:11.0	27.53
06/28/04 00:37:11.0	27.53
06/28/04 01:07:11.0	27.53
06/28/04 01:37:11.0	27.53
06/28/04 02:07:11.0	27.53
06/28/04 02:37:11.0	27.53
06/28/04 03:07:11.0	27.53
06/28/04 03:37:11.0	27.51
06/28/04 04:07:11.0	27.51
06/28/04 04:37:11.0	27.51
06/28/04 05:07:11.0	27.51
06/28/04 05:37:11.0	27.53
06/28/04 06:07:11.0	27.58
06/28/04 06:37:11.0	27.68
06/28/04 07:07:11.0	27.73
06/28/04 07:37:11.0	27.75
06/28/04 08:07:11.0	27.78
06/28/04 08:37:11.0	27.78
06/28/04 09:07:11.0	27.75
06/28/04 09:37:11.0	27.73
06/28/04 10:07:11.0	27.70
06/28/04 10:37:11.0	27.70
06/28/04 11:07:11.0	27.70
06/28/04 11:37:11.0	27.73
06/28/04 12:07:11.0	27.65
06/28/04 12:37:11.0	27.63
06/28/04 13:07:11.0	27.65
06/28/04 13:37:11.0	27.68
06/28/04 14:07:11.0	27.68
06/28/04 14:37:11.0	27.68
06/28/04 15:07:11.0	27.70
06/28/04 15:37:11.0	27.75
06/28/04 16:07:11.0	27.80
06/28/04 16:37:11.0	27.80
06/28/04 17:07:11.0	27.75
06/28/04 17:37:11.0	27.73
06/28/04 18:07:11.0	27.65

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/28/04 18:37:11.0	27.58
06/28/04 19:07:11.0	27.53
06/28/04 19:37:11.0	27.51
06/28/04 20:07:11.0	27.46
06/28/04 20:37:11.0	27.36
06/28/04 21:07:11.0	27.33
06/28/04 21:37:11.0	27.33
06/28/04 22:07:11.0	27.33
06/28/04 22:37:11.0	27.33
06/28/04 23:07:11.0	27.33
06/28/04 23:37:11.0	27.28
06/29/04 00:07:11.0	27.26
06/29/04 00:37:11.0	27.28
06/29/04 01:07:11.0	27.26
06/29/04 01:37:11.0	27.26
06/29/04 02:07:11.0	27.26
06/29/04 02:37:11.0	27.26
06/29/04 03:07:11.0	27.26
06/29/04 03:37:11.0	27.28
06/29/04 04:07:11.0	27.28
06/29/04 04:37:11.0	27.28
06/29/04 05:07:11.0	27.28
06/29/04 05:37:11.0	27.28
06/29/04 06:07:11.0	27.31
06/29/04 06:37:11.0	27.31
06/29/04 07:07:11.0	27.43
06/29/04 07:37:11.0	27.46
06/29/04 08:07:11.0	27.48
06/29/04 08:37:11.0	27.48
06/29/04 09:07:11.0	27.53
06/29/04 09:37:11.0	27.58
06/29/04 10:07:11.0	27.58
06/29/04 10:37:11.0	27.60
06/29/04 11:07:11.0	27.58
06/29/04 11:37:11.0	27.58
06/29/04 12:07:11.0	27.58
06/29/04 12:37:11.0	27.60
06/29/04 13:07:11.0	27.60
06/29/04 13:37:11.0	27.60
06/29/04 14:07:11.0	27.60
06/29/04 14:37:11.0	27.60
06/29/04 15:07:11.0	27.60
06/29/04 15:37:11.0	27.60
06/29/04 16:07:11.0	27.60
06/29/04 16:37:11.0	27.60
06/29/04 17:07:11.0	27.46
06/29/04 17:37:11.0	27.36
06/29/04 18:07:11.0	27.28
06/29/04 18:37:11.0	27.24
06/29/04 19:07:11.0	27.24
06/29/04 19:37:11.0	27.14
06/29/04 20:07:11.0	26.97
06/29/04 20:37:11.0	26.84
06/29/04 21:07:11.0	26.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
06/29/04 21:37:11.0	26.79
06/29/04 22:07:11.0	26.89
06/29/04 22:37:11.0	26.87
06/29/04 23:07:11.0	27.14
06/29/04 23:37:11.0	27.16
06/30/04 00:07:11.0	27.16
06/30/04 00:37:11.0	27.14
06/30/04 01:07:11.0	27.11
06/30/04 01:37:11.0	26.94
06/30/04 02:07:11.0	26.87
06/30/04 02:37:11.0	26.74
06/30/04 03:07:11.0	26.77
06/30/04 03:37:11.0	26.79
06/30/04 04:07:11.0	26.99
06/30/04 04:37:11.0	26.94
06/30/04 05:07:11.0	26.77
06/30/04 05:37:11.0	26.97
06/30/04 06:07:11.0	27.19
06/30/04 06:37:11.0	27.33
06/30/04 07:07:11.0	27.36
06/30/04 07:37:11.0	27.21
06/30/04 08:07:11.0	27.16
06/30/04 08:37:11.0	27.11
06/30/04 09:07:11.0	27.01
06/30/04 09:37:11.0	26.97
06/30/04 10:07:11.0	26.97
06/30/04 10:37:11.0	26.99
06/30/04 11:07:11.0	26.99
06/30/04 11:37:11.0	27.04
06/30/04 12:07:11.0	27.04
06/30/04 12:37:11.0	27.09
06/30/04 13:07:11.0	27.09
06/30/04 13:37:11.0	27.11
06/30/04 14:07:11.0	27.09
06/30/04 14:37:11.0	27.11
06/30/04 15:07:11.0	27.09
06/30/04 15:37:11.0	27.09
06/30/04 16:07:11.0	26.99
06/30/04 16:37:11.0	27.04
06/30/04 17:07:11.0	27.06
06/30/04 17:37:11.0	27.06
06/30/04 18:07:11.0	27.06
06/30/04 18:37:11.0	27.06
06/30/04 19:07:11.0	27.21
06/30/04 19:37:11.0	27.48
06/30/04 20:07:11.0	27.55
06/30/04 20:37:11.0	27.73
06/30/04 21:07:11.0	27.75
06/30/04 21:37:11.0	27.83
06/30/04 22:07:11.0	27.85
06/30/04 22:37:11.0	27.83
06/30/04 23:07:11.0	27.85
06/30/04 23:37:11.0	27.92
07/01/04 00:07:11.0	27.85

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/01/04 00:37:11.0	27.85
07/01/04 01:07:11.0	27.58
07/01/04 01:37:11.0	27.53
07/01/04 02:07:11.0	27.41
07/01/04 02:37:11.0	27.41
07/01/04 03:07:11.0	27.24
07/01/04 03:37:11.0	27.09
07/01/04 04:07:11.0	27.09
07/01/04 04:37:11.0	27.14
07/01/04 05:07:11.0	27.14
07/01/04 05:37:11.0	27.24
07/01/04 06:07:11.0	27.28
07/01/04 06:37:11.0	27.21
07/01/04 07:07:11.0	27.16
07/01/04 07:37:11.0	27.11
07/01/04 08:07:11.0	27.09
07/01/04 08:37:11.0	27.11
07/01/04 09:07:11.0	27.11
07/01/04 09:37:11.0	27.14
07/01/04 10:07:11.0	27.09
07/01/04 10:37:11.0	27.06
07/01/04 11:07:11.0	27.09
07/01/04 11:37:11.0	27.06
07/01/04 12:07:11.0	26.99
07/01/04 12:37:11.0	26.79
07/01/04 13:07:11.0	26.60
07/01/04 13:37:11.0	26.62
07/01/04 14:07:11.0	26.65
07/01/04 14:37:11.0	26.67
07/01/04 15:07:11.0	26.72
07/01/04 15:37:11.0	26.72
07/01/04 16:07:11.0	26.70
07/01/04 16:37:11.0	26.67
07/01/04 17:07:11.0	26.67
07/01/04 17:37:11.0	26.67
07/01/04 18:07:11.0	26.67
07/01/04 18:37:11.0	26.67
07/01/04 19:07:11.0	26.67
07/01/04 19:37:11.0	26.67
07/01/04 20:07:11.0	26.67
07/01/04 20:37:11.0	26.67
07/01/04 21:07:11.0	26.67
07/01/04 21:37:11.0	26.70
07/01/04 22:07:11.0	26.72
07/01/04 22:37:11.0	26.74
07/01/04 23:07:11.0	26.82
07/01/04 23:37:11.0	26.79
07/02/04 00:07:11.0	26.72
07/02/04 00:37:11.0	26.65
07/02/04 01:07:11.0	26.57
07/02/04 01:37:11.0	26.45
07/02/04 02:07:11.0	26.35
07/02/04 02:37:11.0	26.13
07/02/04 03:07:11.0	26.09

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/02/04 03:37:11.0	26.16
07/02/04 04:07:11.0	26.26
07/02/04 04:37:11.0	26.28
07/02/04 05:07:11.0	26.26
07/02/04 05:37:11.0	26.18
07/02/04 06:07:11.0	26.18
07/02/04 06:37:11.0	26.18
07/02/04 07:07:11.0	26.21
07/02/04 07:37:11.0	26.28
07/02/04 08:07:11.0	26.33
07/02/04 08:37:11.0	26.33
07/02/04 09:07:11.0	26.26
07/02/04 09:37:11.0	26.23
07/02/04 10:07:11.0	26.28
07/02/04 10:37:11.0	26.28
07/02/04 11:07:11.0	26.13
07/02/04 11:37:11.0	26.13
07/02/04 12:07:11.0	26.23
07/02/04 12:37:11.0	26.30
07/02/04 13:07:11.0	26.33
07/02/04 13:37:11.0	26.21
07/02/04 14:07:11.0	26.26
07/02/04 14:37:11.0	26.50
07/02/04 15:07:11.0	26.77
07/02/04 15:37:11.0	27.01
07/02/04 16:07:11.0	27.11
07/02/04 16:37:11.0	27.19
07/02/04 17:07:11.0	27.28
07/02/04 17:37:11.0	27.33
07/02/04 18:07:11.0	27.31
07/02/04 18:37:11.0	27.31
07/02/04 19:07:11.0	27.41
07/02/04 19:37:11.0	27.33
07/02/04 20:07:11.0	27.24
07/02/04 20:37:11.0	27.28
07/02/04 21:07:11.0	27.31
07/02/04 21:37:11.0	27.41
07/02/04 22:07:11.0	27.48
07/02/04 22:37:11.0	27.58
07/02/04 23:07:11.0	27.43
07/02/04 23:37:11.0	27.31
07/03/04 00:07:11.0	27.21
07/03/04 00:37:11.0	27.19
07/03/04 01:07:11.0	27.04
07/03/04 01:37:11.0	26.92
07/03/04 02:07:11.0	26.89
07/03/04 02:37:11.0	26.77
07/03/04 03:07:11.0	26.52
07/03/04 03:37:11.0	26.33
07/03/04 04:07:11.0	26.09
07/03/04 04:37:11.0	25.84
07/03/04 05:07:11.0	25.84
07/03/04 05:37:11.0	25.84
07/03/04 06:07:11.0	25.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/03/04 06:37:11.0	25.89
07/03/04 07:07:11.0	25.94
07/03/04 07:37:11.0	25.94
07/03/04 08:07:11.0	25.94
07/03/04 08:37:11.0	25.99
07/03/04 09:07:11.0	26.01
07/03/04 09:37:11.0	26.06
07/03/04 10:07:11.0	26.11
07/03/04 10:37:11.0	26.13
07/03/04 11:07:11.0	26.23
07/03/04 11:37:11.0	26.18
07/03/04 12:07:11.0	26.18
07/03/04 12:37:11.0	26.18
07/03/04 13:07:11.0	26.23
07/03/04 13:37:11.0	26.26
07/03/04 14:07:11.0	26.26
07/03/04 14:37:11.0	26.38
07/03/04 15:07:11.0	26.40
07/03/04 15:37:11.0	26.35
07/03/04 16:07:11.0	26.28
07/03/04 16:37:11.0	26.11
07/03/04 17:07:11.0	25.99
07/03/04 17:37:11.0	25.89
07/03/04 18:07:11.0	25.84
07/03/04 18:37:11.0	25.77
07/03/04 19:07:11.0	25.77
07/03/04 19:37:11.0	25.91
07/03/04 20:07:11.0	25.96
07/03/04 20:37:11.0	25.99
07/03/04 21:07:11.0	26.01
07/03/04 21:37:11.0	26.04
07/03/04 22:07:11.0	26.06
07/03/04 22:37:11.0	26.09
07/03/04 23:07:11.0	26.06
07/03/04 23:37:11.0	26.09
07/04/04 00:07:11.0	26.09
07/04/04 00:37:11.0	26.09
07/04/04 01:07:11.0	26.09
07/04/04 01:37:11.0	26.09
07/04/04 02:07:11.0	26.09
07/04/04 02:37:11.0	26.09
07/04/04 03:07:11.0	26.18
07/04/04 03:37:11.0	26.87
07/04/04 04:07:11.0	26.87
07/04/04 04:37:11.0	26.94
07/04/04 05:07:11.0	26.92
07/04/04 05:37:11.0	26.89
07/04/04 06:07:11.0	26.89
07/04/04 06:37:11.0	26.92
07/04/04 07:07:11.0	26.82
07/04/04 07:37:11.0	26.87
07/04/04 08:07:11.0	26.87
07/04/04 08:37:11.0	26.89
07/04/04 09:07:11.0	26.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/04/04 09:37:11.0	26.92
07/04/04 10:07:11.0	26.94
07/04/04 10:37:11.0	27.01
07/04/04 11:07:11.0	27.06
07/04/04 11:37:11.0	27.28
07/04/04 12:07:11.0	27.33
07/04/04 12:37:11.0	27.36
07/04/04 13:07:11.0	27.31
07/04/04 13:37:11.0	27.28
07/04/04 14:07:11.0	27.21
07/04/04 14:37:11.0	26.97
07/04/04 15:07:11.0	26.72
07/04/04 15:37:11.0	26.35
07/04/04 16:07:11.0	26.30
07/04/04 16:37:11.0	26.70
07/04/04 17:07:11.0	26.99
07/04/04 17:37:11.0	27.14
07/04/04 18:07:11.0	27.31
07/04/04 18:37:11.0	27.16
07/04/04 19:07:11.0	27.21
07/04/04 19:37:11.0	27.19
07/04/04 20:07:11.0	27.19
07/04/04 20:37:11.0	27.11
07/04/04 21:07:11.0	27.21
07/04/04 21:37:11.0	27.33
07/04/04 22:07:11.0	27.46
07/04/04 22:37:11.0	27.55
07/04/04 23:07:11.0	27.63
07/04/04 23:37:11.0	27.63
07/05/04 00:07:11.0	27.63
07/05/04 00:37:11.0	27.60
07/05/04 01:07:11.0	27.55
07/05/04 01:37:11.0	27.46
07/05/04 02:07:11.0	27.36
07/05/04 02:37:11.0	27.21
07/05/04 03:07:11.0	27.16
07/05/04 03:37:11.0	27.16
07/05/04 04:07:11.0	27.26
07/05/04 04:37:11.0	27.33
07/05/04 05:07:11.0	27.43
07/05/04 05:37:11.0	27.43
07/05/04 06:07:11.0	27.46
07/05/04 06:37:11.0	27.46
07/05/04 07:07:11.0	27.46
07/05/04 07:37:11.0	27.55
07/05/04 08:07:11.0	27.65
07/05/04 08:37:11.0	27.78
07/05/04 09:07:11.0	27.75
07/05/04 09:37:11.0	27.73
07/05/04 10:07:11.0	27.80
07/05/04 10:37:11.0	27.83
07/05/04 11:07:11.0	27.92
07/05/04 11:37:11.0	27.92
07/05/04 12:07:11.0	27.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/05/04 12:37:11.0	27.95
07/05/04 13:07:11.0	27.90
07/05/04 13:37:11.0	27.85
07/05/04 14:07:11.0	27.73
07/05/04 14:37:11.0	27.58
07/05/04 15:07:11.0	27.53
07/05/04 15:37:11.0	27.48
07/05/04 16:07:11.0	27.43
07/05/04 16:37:11.0	27.48
07/05/04 17:07:11.0	27.55
07/05/04 17:37:11.0	27.68
07/05/04 18:07:11.0	27.70
07/05/04 18:37:11.0	27.60
07/05/04 19:07:11.0	27.63
07/05/04 19:37:11.0	27.80
07/05/04 20:07:11.0	28.07
07/05/04 20:37:11.0	28.12
07/05/04 21:07:11.0	28.17
07/05/04 21:37:11.0	28.27
07/05/04 22:07:11.0	28.30
07/05/04 22:37:11.0	28.27
07/05/04 23:07:11.0	28.20
07/05/04 23:37:11.0	28.17
07/06/04 00:07:11.0	28.22
07/06/04 00:37:11.0	28.22
07/06/04 01:07:11.0	28.20
07/06/04 01:37:11.0	28.22
07/06/04 02:07:11.0	28.27
07/06/04 02:37:11.0	28.30
07/06/04 03:07:11.0	28.35
07/06/04 03:37:11.0	28.37
07/06/04 04:07:11.0	28.42
07/06/04 04:37:11.0	28.39
07/06/04 05:07:11.0	28.32
07/06/04 05:37:11.0	28.30
07/06/04 06:07:11.0	28.27
07/06/04 06:37:11.0	28.25
07/06/04 07:07:11.0	28.27
07/06/04 07:37:11.0	28.27
07/06/04 08:07:11.0	28.27
07/06/04 08:37:11.0	28.30
07/06/04 09:07:11.0	28.32
07/06/04 09:37:11.0	28.35
07/06/04 10:07:11.0	28.49
07/06/04 10:37:11.0	28.47
07/06/04 11:07:11.0	28.47
07/06/04 11:37:11.0	28.37
07/06/04 12:07:11.0	28.32
07/06/04 12:37:11.0	28.30
07/06/04 13:07:11.0	28.35
07/06/04 13:37:11.0	28.37
07/06/04 14:07:11.0	28.25
07/06/04 14:37:11.0	28.17
07/06/04 15:07:11.0	28.00

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/06/04 15:37:11.0	27.95
07/06/04 16:07:11.0	27.92
07/06/04 16:37:11.0	27.90
07/06/04 17:07:11.0	27.92
07/06/04 17:37:11.0	27.85
07/06/04 18:07:11.0	27.63
07/06/04 18:37:11.0	27.63
07/06/04 19:07:11.0	27.73
07/06/04 19:37:11.0	27.90
07/06/04 20:07:11.0	27.97
07/06/04 20:37:11.0	27.95
07/06/04 21:07:11.0	28.00
07/06/04 21:37:11.0	27.97
07/06/04 22:07:11.0	27.95
07/06/04 22:37:11.0	27.92
07/06/04 23:07:11.0	27.97
07/06/04 23:37:11.0	27.92
07/07/04 00:07:11.0	27.85
07/07/04 00:37:11.0	27.85
07/07/04 01:07:11.0	27.88
07/07/04 01:37:11.0	27.90
07/07/04 02:07:11.0	27.92
07/07/04 02:37:11.0	27.92
07/07/04 03:07:11.0	27.92
07/07/04 03:37:11.0	27.97
07/07/04 04:07:11.0	27.95
07/07/04 04:37:11.0	27.95
07/07/04 05:07:11.0	27.95
07/07/04 05:37:11.0	27.95
07/07/04 06:07:11.0	27.97
07/07/04 06:37:11.0	27.97
07/07/04 07:07:11.0	28.00
07/07/04 07:37:11.0	28.00
07/07/04 08:07:11.0	28.00
07/07/04 08:37:11.0	28.02
07/07/04 09:07:11.0	28.05
07/07/04 09:37:11.0	28.07
07/07/04 10:07:11.0	28.12
07/07/04 10:37:11.0	28.12
07/07/04 11:07:11.0	27.85
07/07/04 11:37:11.0	27.83
07/07/04 12:07:11.0	27.88
07/07/04 12:37:11.0	27.90
07/07/04 13:07:11.0	27.95
07/07/04 13:37:11.0	28.05
07/07/04 14:07:11.0	27.97
07/07/04 14:37:11.0	27.88
07/07/04 15:07:11.0	27.83
07/07/04 15:37:11.0	27.80
07/07/04 16:07:11.0	27.75
07/07/04 16:37:11.0	27.73
07/07/04 17:07:11.0	27.68
07/07/04 17:37:11.0	27.60
07/07/04 18:07:11.0	27.53

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/07/04 18:37:11.0	27.36
07/07/04 19:07:11.0	27.19
07/07/04 19:37:11.0	27.11
07/07/04 20:07:11.0	27.01
07/07/04 20:37:11.0	26.97
07/07/04 21:07:11.0	27.01
07/07/04 21:37:11.0	27.01
07/07/04 22:07:11.0	27.04
07/07/04 22:37:11.0	27.04
07/07/04 23:07:11.0	27.04
07/07/04 23:37:11.0	27.21
07/08/04 00:07:11.0	27.46
07/08/04 00:37:11.0	27.26
07/08/04 01:07:11.0	27.33
07/08/04 01:37:11.0	27.38
07/08/04 02:07:11.0	27.38
07/08/04 02:37:11.0	27.38
07/08/04 03:07:11.0	27.38
07/08/04 03:37:11.0	27.38
07/08/04 04:07:11.0	27.41
07/08/04 04:37:11.0	27.43
07/08/04 05:07:11.0	27.43
07/08/04 05:37:11.0	27.43
07/08/04 06:07:11.0	27.46
07/08/04 06:37:11.0	27.43
07/08/04 07:07:11.0	27.46
07/08/04 07:37:11.0	27.46
07/08/04 08:07:11.0	27.48
07/08/04 08:37:11.0	27.51
07/08/04 09:07:11.0	27.48
07/08/04 09:37:11.0	27.51
07/08/04 10:07:11.0	27.51
07/08/04 10:37:11.0	27.53
07/08/04 11:07:11.0	27.58
07/08/04 11:37:11.0	27.60
07/08/04 12:07:11.0	27.60
07/08/04 12:37:11.0	27.65
07/08/04 13:07:11.0	27.68
07/08/04 13:37:11.0	27.73
07/08/04 14:07:11.0	27.73
07/08/04 14:37:11.0	27.78
07/08/04 15:07:11.0	27.78
07/08/04 15:37:11.0	27.80
07/08/04 16:07:11.0	27.75
07/08/04 16:37:11.0	27.75
07/08/04 17:07:11.0	27.73
07/08/04 17:37:11.0	27.38
07/08/04 18:07:11.0	27.28
07/08/04 18:37:11.0	27.28
07/08/04 19:07:11.0	27.46
07/08/04 19:37:11.0	27.46
07/08/04 20:07:11.0	27.41
07/08/04 20:37:11.0	27.28
07/08/04 21:07:11.0	27.28

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/08/04 21:37:11.0	27.31
07/08/04 22:07:11.0	27.28
07/08/04 22:37:11.0	27.24
07/08/04 23:07:11.0	27.24
07/08/04 23:37:11.0	27.21
07/09/04 00:07:11.0	27.19
07/09/04 00:37:11.0	27.21
07/09/04 01:07:11.0	27.21
07/09/04 01:37:11.0	27.21
07/09/04 02:07:11.0	27.24
07/09/04 02:37:11.0	27.28
07/09/04 03:07:11.0	27.36
07/09/04 03:37:11.0	27.53
07/09/04 04:07:11.0	27.53
07/09/04 04:37:11.0	27.55
07/09/04 05:07:11.0	27.60
07/09/04 05:37:11.0	27.48
07/09/04 06:07:11.0	27.41
07/09/04 06:37:11.0	27.43
07/09/04 07:07:11.0	27.43
07/09/04 07:37:11.0	27.41
07/09/04 08:07:11.0	27.43
07/09/04 08:37:11.0	27.46
07/09/04 09:07:11.0	27.46
07/09/04 09:37:11.0	27.48
07/09/04 10:07:11.0	27.51
07/09/04 10:37:11.0	27.58
07/09/04 11:07:11.0	27.58
07/09/04 11:37:11.0	27.63
07/09/04 12:07:11.0	27.60
07/09/04 12:37:11.0	27.60
07/09/04 13:07:11.0	27.63
07/09/04 13:37:11.0	27.63
07/09/04 14:07:11.0	27.63
07/09/04 14:37:11.0	27.63
07/09/04 15:07:11.0	27.65
07/09/04 15:37:11.0	27.65
07/09/04 16:07:11.0	27.65
07/09/04 16:37:11.0	27.70
07/09/04 17:07:11.0	27.73
07/09/04 17:37:11.0	27.73
07/09/04 18:07:11.0	27.73
07/09/04 18:37:11.0	27.73
07/09/04 19:07:11.0	27.73
07/09/04 19:37:11.0	27.73
07/09/04 20:07:11.0	27.73
07/09/04 20:37:11.0	27.75
07/09/04 21:07:11.0	27.63
07/09/04 21:37:11.0	27.58
07/09/04 22:07:11.0	27.60
07/09/04 22:37:11.0	27.60
07/09/04 23:07:11.0	27.60
07/09/04 23:37:11.0	27.55
07/10/04 00:07:11.0	27.51

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/10/04 00:37:11.0	27.48
07/10/04 01:07:11.0	27.46
07/10/04 01:37:11.0	27.38
07/10/04 02:07:11.0	27.63
07/10/04 02:37:11.0	27.75
07/10/04 03:07:11.0	27.78
07/10/04 03:37:11.0	27.83
07/10/04 04:07:11.0	27.83
07/10/04 04:37:11.0	27.80
07/10/04 05:07:11.0	27.80
07/10/04 05:37:11.0	27.80
07/10/04 06:07:11.0	27.80
07/10/04 06:37:11.0	27.80
07/10/04 07:07:11.0	27.80
07/10/04 07:37:11.0	27.80
07/10/04 08:07:11.0	27.83
07/10/04 08:37:11.0	27.83
07/10/04 09:07:11.0	27.83
07/10/04 09:37:11.0	27.85
07/10/04 10:07:11.0	27.88
07/10/04 10:37:11.0	27.88
07/10/04 11:07:11.0	27.92
07/10/04 11:37:11.0	27.95
07/10/04 12:07:11.0	27.95
07/10/04 12:37:11.0	27.97
07/10/04 13:07:11.0	28.00
07/10/04 13:37:11.0	28.02
07/10/04 14:07:11.0	28.02
07/10/04 14:37:11.0	28.05
07/10/04 15:07:11.0	28.05
07/10/04 15:37:11.0	28.05
07/10/04 16:07:11.0	28.05
07/10/04 16:37:11.0	28.05
07/10/04 17:07:11.0	28.05
07/10/04 17:37:11.0	28.05
07/10/04 18:07:11.0	28.05
07/10/04 18:37:11.0	28.02
07/10/04 19:07:11.0	28.02
07/10/04 19:37:11.0	28.02
07/10/04 20:07:11.0	28.02
07/10/04 20:37:11.0	28.02
07/10/04 21:07:11.0	28.00
07/10/04 21:37:11.0	27.97
07/10/04 22:07:11.0	27.97
07/10/04 22:37:11.0	27.95
07/10/04 23:07:11.0	27.70
07/10/04 23:37:11.0	27.63
07/11/04 00:07:11.0	27.75
07/11/04 00:37:11.0	27.78
07/11/04 01:07:11.0	27.80
07/11/04 01:37:11.0	27.83
07/11/04 02:07:11.0	27.83
07/11/04 02:37:11.0	27.85
07/11/04 03:07:11.0	27.83

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/11/04 03:37:11.0	27.85
07/11/04 04:07:11.0	27.85
07/11/04 04:37:11.0	27.85
07/11/04 05:07:11.0	27.88
07/11/04 05:37:11.0	27.85
07/11/04 06:07:11.0	27.88
07/11/04 06:37:11.0	27.88
07/11/04 07:07:11.0	27.88
07/11/04 07:37:11.0	27.90
07/11/04 08:07:11.0	27.92
07/11/04 08:37:11.0	27.92
07/11/04 09:07:11.0	27.97
07/11/04 09:37:11.0	28.00
07/11/04 10:07:11.0	28.02
07/11/04 10:37:11.0	28.05
07/11/04 11:07:11.0	28.07
07/11/04 11:37:11.0	28.07
07/11/04 12:07:11.0	28.10
07/11/04 12:37:11.0	28.12
07/11/04 13:07:11.0	28.20
07/11/04 13:37:11.0	28.20
07/11/04 14:07:11.0	28.22
07/11/04 14:37:11.0	28.22
07/11/04 15:07:11.0	28.25
07/11/04 15:37:11.0	28.27
07/11/04 16:07:11.0	28.30
07/11/04 16:37:11.0	28.30
07/11/04 17:07:11.0	28.32
07/11/04 17:37:11.0	28.30
07/11/04 18:07:11.0	28.27
07/11/04 18:37:11.0	28.17
07/11/04 19:07:11.0	28.12
07/11/04 19:37:11.0	28.07
07/11/04 20:07:11.0	28.07
07/11/04 20:37:11.0	28.05
07/11/04 21:07:11.0	28.05
07/11/04 21:37:11.0	28.00
07/11/04 22:07:11.0	28.00
07/11/04 22:37:11.0	27.97
07/11/04 23:07:11.0	27.92
07/11/04 23:37:11.0	27.95
07/12/04 00:07:11.0	27.95
07/12/04 00:37:11.0	27.95
07/12/04 01:07:11.0	27.95
07/12/04 01:37:11.0	27.95
07/12/04 02:07:11.0	27.95
07/12/04 02:37:11.0	27.97
07/12/04 03:07:11.0	27.95
07/12/04 03:37:11.0	27.97
07/12/04 04:07:11.0	28.00
07/12/04 04:37:11.0	28.15
07/12/04 05:07:11.0	28.10
07/12/04 05:37:11.0	28.05
07/12/04 06:07:11.0	28.15

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/12/04 06:37:11.0	28.20
07/12/04 07:07:11.0	28.32
07/12/04 07:37:11.0	28.39
07/12/04 08:07:11.0	28.44
07/12/04 08:37:11.0	28.44
07/12/04 09:07:11.0	28.42
07/12/04 09:37:11.0	28.44
07/12/04 10:07:11.0	28.44
07/12/04 10:37:11.0	28.44
07/12/04 11:07:11.0	28.44
07/12/04 11:37:11.0	28.47
07/12/04 12:07:11.0	28.44
07/12/04 12:37:11.0	28.47
07/12/04 13:07:11.0	28.47
07/12/04 13:37:11.0	28.52
07/12/04 14:07:11.0	28.52
07/12/04 14:37:11.0	28.54
07/12/04 15:07:11.0	28.54
07/12/04 15:37:11.0	28.57
07/12/04 16:07:11.0	28.57
07/12/04 16:37:11.0	28.59
07/12/04 17:07:11.0	28.59
07/12/04 17:37:11.0	28.59
07/12/04 18:07:11.0	28.57
07/12/04 18:37:11.0	28.57
07/12/04 19:07:11.0	28.57
07/12/04 19:37:11.0	28.57
07/12/04 20:07:11.0	28.57
07/12/04 20:37:11.0	28.54
07/12/04 21:07:11.0	28.54
07/12/04 21:37:11.0	28.54
07/12/04 22:07:11.0	28.54
07/12/04 22:37:11.0	28.54
07/12/04 23:07:11.0	28.54
07/12/04 23:37:11.0	28.54
07/13/04 00:07:11.0	28.54
07/13/04 00:37:11.0	28.52
07/13/04 01:07:11.0	28.52
07/13/04 01:37:11.0	28.52
07/13/04 02:07:11.0	28.42
07/13/04 02:37:11.0	28.32
07/13/04 03:07:11.0	28.37
07/13/04 03:37:11.0	28.52
07/13/04 04:07:11.0	28.54
07/13/04 04:37:11.0	28.49
07/13/04 05:07:11.0	28.49
07/13/04 05:37:11.0	28.49
07/13/04 06:07:11.0	28.49
07/13/04 06:37:11.0	28.49
07/13/04 07:07:11.0	28.47
07/13/04 07:37:11.0	28.47
07/13/04 08:07:11.0	28.39
07/13/04 08:37:11.0	28.42
07/13/04 09:07:11.0	28.39

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/13/04 09:37:11.0	28.39
07/13/04 10:07:11.0	28.42
07/13/04 10:37:11.0	28.42
07/13/04 11:07:11.0	28.44
07/13/04 11:37:11.0	28.44
07/13/04 12:07:11.0	28.47
07/13/04 12:37:11.0	28.52
07/13/04 13:07:11.0	28.52
07/13/04 13:37:11.0	28.57
07/13/04 14:07:11.0	28.57
07/13/04 14:37:11.0	28.57
07/13/04 15:07:11.0	28.59
07/13/04 15:37:11.0	28.59
07/13/04 16:07:11.0	28.62
07/13/04 16:37:11.0	28.62
07/13/04 17:07:11.0	28.62
07/13/04 17:37:11.0	28.62
07/13/04 18:07:11.0	28.59
07/13/04 18:37:11.0	28.59
07/13/04 19:07:11.0	28.59
07/13/04 19:37:11.0	28.59
07/13/04 20:07:11.0	28.57
07/13/04 20:37:11.0	28.57
07/13/04 21:07:11.0	28.52
07/13/04 21:37:11.0	28.49
07/13/04 22:07:11.0	28.49
07/13/04 22:37:11.0	28.44
07/13/04 23:07:11.0	28.44
07/13/04 23:37:11.0	28.42
07/14/04 00:07:11.0	28.37
07/14/04 00:37:11.0	28.35
07/14/04 01:07:11.0	28.37
07/14/04 01:37:11.0	28.37
07/14/04 02:07:11.0	28.35
07/14/04 02:37:11.0	28.32
07/14/04 03:07:11.0	28.12
07/14/04 03:37:11.0	28.20
07/14/04 04:07:11.0	28.39
07/14/04 04:37:11.0	28.42
07/14/04 05:07:11.0	28.42
07/14/04 05:37:11.0	28.42
07/14/04 06:07:11.0	28.39
07/14/04 06:37:11.0	28.39
07/14/04 07:07:11.0	28.39
07/14/04 07:37:11.0	28.39
07/14/04 08:07:11.0	28.39
07/14/04 08:37:11.0	28.39
07/14/04 09:07:11.0	28.39
07/14/04 09:37:11.0	28.39
07/14/04 10:07:11.0	28.39
07/14/04 10:37:11.0	28.42
07/14/04 11:07:11.0	28.44
07/14/04 11:37:11.0	28.47
07/14/04 12:07:11.0	28.44

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/14/04 12:37:11.0	28.47
07/14/04 13:07:11.0	28.47
07/14/04 13:37:11.0	28.47
07/14/04 14:07:11.0	28.49
07/14/04 14:37:11.0	28.52
07/14/04 15:07:11.0	28.52
07/14/04 15:37:11.0	28.49
07/14/04 16:07:11.0	28.49
07/14/04 16:37:11.0	28.49
07/14/04 17:07:11.0	28.52
07/14/04 17:37:11.0	28.52
07/14/04 18:07:11.0	28.49
07/14/04 18:37:11.0	28.49
07/14/04 19:07:11.0	28.47
07/14/04 19:37:11.0	28.44
07/14/04 20:07:11.0	28.42
07/14/04 20:37:11.0	28.42
07/14/04 21:07:11.0	28.37
07/14/04 21:37:11.0	28.37
07/14/04 22:07:11.0	28.35
07/14/04 22:37:11.0	28.35
07/14/04 23:07:11.0	28.32
07/14/04 23:37:11.0	28.30
07/15/04 00:07:11.0	28.30
07/15/04 00:37:11.0	28.30
07/15/04 01:07:11.0	28.27
07/15/04 01:37:11.0	28.27
07/15/04 02:07:11.0	28.25
07/15/04 02:37:11.0	28.25
07/15/04 03:07:11.0	28.22
07/15/04 03:37:11.0	27.83
07/15/04 04:07:11.0	27.68
07/15/04 04:37:11.0	27.55
07/15/04 05:07:11.0	27.48
07/15/04 05:37:11.0	27.38
07/15/04 06:07:11.0	27.36
07/15/04 06:37:11.0	27.53
07/15/04 07:07:11.0	27.78
07/15/04 07:37:11.0	27.80
07/15/04 08:07:11.0	27.78
07/15/04 08:37:11.0	27.80
07/15/04 09:07:11.0	27.80
07/15/04 09:37:11.0	27.80
07/15/04 10:07:11.0	27.83
07/15/04 10:37:11.0	27.80
07/15/04 11:07:11.0	27.80
07/15/04 11:37:11.0	27.83
07/15/04 12:07:11.0	27.85
07/15/04 12:37:11.0	27.85
07/15/04 13:07:11.0	27.88
07/15/04 13:37:11.0	27.88
07/15/04 14:07:11.0	27.92
07/15/04 14:37:11.0	27.92
07/15/04 15:07:11.0	27.95

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data March 11, 2004 to July 15, 2004	
Date/Time	Temperature (ºC)
07/15/04 15:37:11.0	27.95
07/15/04 16:07:11.0	27.95
07/15/04 16:37:11.0	28.00
07/15/04 17:07:11.0	27.97
07/15/04 17:37:11.0	27.97
07/15/04 18:07:11.0	27.97
07/15/04 18:37:11.0	27.92
07/15/04 19:07:11.0	26.55
07/15/04 19:37:11.0	26.70
07/15/04 20:07:11.0	27.01

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/15/04	21:30:52	32.81	0.972	1.117	0.47	8.83	122.8	73	15.08	0.066	7.22	-44.3	2400.6	7.5
07/15/04	22:00:52	27.78	56.389	59.38	37.4	31.21	489.2	99	38.87	16.42	7.85	-79.9	162.2	-0.4
07/15/04	22:30:52	29.12	1.677	1.809	0.84	7.4	96.9	71	15.02	0.026	7.47	-58.3	1942.2	10.2
07/15/04	23:00:52	28.57	1.652	1.764	0.83	8.76	113.5	69	15.02	0.023	7.31	-49.2	795.2	11.4
07/15/04	23:30:52	27.06	1.492	1.551	0.75	8.12	102.4	66	15.03	0.031	7.04	-34.2	402	11
07/16/04	00:00:52	26.86	65.405	67.73	44.3	23.91	383.8	100	48.08	22.633	7.81	-77.6	34.1	-0.4
07/16/04	00:30:52	26.81	63.374	65.57	42.74	8.97	142.6	99	48.05	22.639	7.8	-77.3	19.2	-0.4
07/16/04	01:00:52	26.83	59.416	61.496	39.72	6.31	98.6	99	48.05	22.688	7.82	-78.3	4.7	-0.4
07/16/04	01:30:52	26.77	57.004	58.929	37.9	4.67	72.2	99	48.04	22.712	7.84	-79.2	0.6	-0.4
07/16/04	02:00:52	26.79	50.154	51.867	32.81	3.84	57.6	99	48.05	22.805	7.83	-79	0.6	-0.4
07/16/04	02:30:52	26.78	50.587	52.312	33.12	3.47	52.3	99	48.09	22.827	7.85	-79.8	0.4	-0.4
07/16/04	03:00:52	26.73	48.621	50.23	31.69	3.28	48.9	99	48.14	22.881	7.84	-79.2	0.5	-0.4
07/16/04	03:30:52	26.83	43.058	44.564	27.66	2.97	43.5	99	48.2	22.993	7.82	-78.5	0.6	-0.4
07/16/04	04:00:52	26.8	48.284	49.943	31.44	2.4	35.8	99	48.24	22.959	7.85	-80	0.4	-0.4
07/16/04	04:30:52	26.66	40.787	42.078	26.04	1.89	27.3	100	48.34	23.114	7.89	-82.5	0.4	-0.4
07/16/04	05:00:52	26.65	41.321	42.624	26.42	1.68	24.3	99	48.39	23.142	7.89	-82.2	0.6	-0.4
07/16/04	05:30:52	27.14	41.98	43.693	26.88	1.73	25.3	100	48.45	23.184	7.91	-83.6	0.6	-0.4
07/16/04	06:00:52	26.79	49.693	51.391	32.47	1.52	22.9	99	48.54	23.147	7.93	-84.5	0.7	-0.4
07/16/04	06:30:52	26.88	49.791	51.575	32.54	1.5	22.5	99	48.61	23.194	7.94	-85.1	0.5	-0.4
07/16/04	07:00:52	27.13	49.009	51	31.96	1.54	23.2	99	48.69	23.259	7.94	-85.1	0.5	-0.4
07/16/04	07:30:52	27.65	48.843	51.314	31.82	1.33	20.1	99	48.75	23.307	7.94	-85	0.4	-0.4
07/16/04	08:00:52	27.76	50.709	53.378	33.19	1.34	20.6	99	48.79	23.313	7.94	-85.4	0.6	-0.4
07/16/04	08:30:52	27.82	57.838	60.949	38.49	1.06	16.7	99	48.85	23.267	7.95	-85.7	0.6	-0.4
07/16/04	09:00:52	27.86	54.732	57.717	36.16	1.19	18.5	99	48.92	23.351	7.94	-85.6	0.6	-0.4
07/16/04	09:30:52	27.87	53.819	56.769	35.48	0.93	14.5	99	48.95	23.386	7.94	-85.5	0.5	-0.4
07/16/04	10:00:52	27.9	53.932	56.924	35.57	0.93	14.4	100	48.97	23.395	7.95	-85.7	0.4	-0.4
07/16/04	10:30:52	27.89	55.125	58.163	36.46	0.66	10.3	99	49	23.402	7.95	-85.8	0.6	-0.4
07/16/04	11:00:52	27.86	55.119	58.13	36.45	0.64	10	100	49.03	23.426	7.95	-85.8	0.5	-0.4
07/16/04	11:30:52	27.85	57.656	60.789	38.35	0.72	11.3	99	49.04	23.396	7.95	-85.8	2.3	-0.4
07/16/04	12:00:52	27.81	55.52	58.501	36.75	0.62	9.7	99	49.03	23.417	7.95	-85.6	12.7	-0.4
07/16/04	12:30:52	27.8	54.79	57.72	36.21	0.78	12.2	100	49.02	23.423	7.94	-85.3	27.8	-0.4
07/16/04	13:00:52	27.77	57.213	60.24	38.02	0.76	12	99	49.02	23.39	7.93	-84.4	50.4	-0.4
07/16/04	13:30:52	27.71	58.542	61.576	39.03	0.67	10.6	99	49.02	23.37	7.92	-84	71	-0.4
07/16/04	14:00:52	27.69	58.518	61.521	39.01	0.55	8.6	99	49	23.359	7.93	-84.4	95.5	-0.2
07/16/04	14:30:52	27.64	58.271	61.209	38.82	0.51	8	99	48.99	23.355	7.93	-84.5	122.6	-0.4
07/16/04	15:00:52	27.6	58.947	61.879	39.34	0.43	6.7	99	48.99	23.341	7.92	-84	153.9	-0.4
07/16/04	15:30:52	27.57	58.804	61.692	39.23	0.28	4.3	99	48.96	23.323	7.91	-83.3	173.1	-0.4
07/16/04	16:00:52	27.55	58.718	61.574	39.17	0.4	6.3	99	48.93	23.304	7.89	-82.4	225.5	-0.4
07/16/04	16:30:52	27.48	58.157	60.915	38.74	0.29	4.5	99	48.91	23.296	7.89	-82.3	244.6	-0.4
07/16/04	17:00:52	27.5	57.645	60.4	38.36	0.34	5.3	100	48.87	23.28	7.9	-82.9	84.5	-0.4
07/16/04	17:30:52	27.53	56.942	59.694	37.83	0.27	4.3	99	48.85	23.271	7.89	-82.6	310.9	-0.4
07/16/04	18:00:52	27.64	58.076	61.004	38.68	0.24	3.7	99	48.8	23.225	7.9	-83	275	-0.4
07/16/04	18:30:52	28.18	57.984	61.51	38.59	0.3	4.8	99	48.75	23.194	7.94	-85.5	302.6	-0.4
07/16/04	19:00:52	27.7	57.245	60.202	38.05	0.29	4.6	99	48.69	23.162	7.92	-83.9	185.7	-0.4
07/16/04	19:30:52	28.04	56.825	60.128	37.72	0.12	1.9	100	48.65	23.143	7.94	-85.4	102.4	-0.4
07/16/04	20:00:52	28.51	56.999	60.82	37.84	0.19	2.9	100	48.59	23.101	7.97	-86.9	278.7	-0.4
07/16/04	20:30:52	28.38	66.918	71.234	45.42	-0.15	-2.5	99	48.53	22.928	7.97	-87.2	227.4	-0.4
07/16/04	21:00:52	28.35	66.163	70.395	44.84	-0.17	-2.8	100	48.46	22.889	7.97	-86.9	212.8	-0.4
07/16/04	21:30:52	28.21	67.835	71.99	46.14	-0.1	-1.7	99	48.39	22.82	7.96	-86.5	203.9	-0.4
07/16/04	22:00:52	28.35	58.976	62.753	39.33	-0.15	-2.3	99	48.34	22.901	7.97	-87.2	157.6	-0.4
07/16/04	22:30:52	28.19	57.823	61.349	38.47	-0.24	-3.8	99	48.26	22.859	7.96	-86.7	140.1	-0.4
07/16/04	23:00:52	28.12	60.236	63.828	40.3	-0.3	-4.8	99	48.19	22.785	7.97	-87.2	104.1	-0.4
07/16/04	23:30:52	28.22	56.003	59.451	37.1	-0.28	-4.4	99	48.16	22.817	7.99	-88	70.6	-0.4
07/17/04	00:00:52	28.14	60.861	64.51	40.77	-0.28	-4.5	99	48.12	22.725	7.97	-87.3	32.7	-0.4
07/17/04	00:30:52	28.29	61.67	65.547	41.38	-0.25	-4.1	99	48.1	22.7	7.97	-86.9	16.9	-0.4
07/17/04	01:00:52	28.29	59.518	63.257	39.75	-0.35	-5.5	99	48.08	22.714	7.97	-87.1	3.9	-0.4
07/17/04	01:30:52	28.46	60.361	64.352	40.38	-0.63	-10.1	99	48.05	22.687	7.99	-88	0.6	-0.4
07/17/04	02:00:52	28.33	60.825	64.691	40.74	-0.34	-5.5	100	48.08	22.702	7.99	-88	0.4	-0.4
07/17/04	02:30:52	28.32	58.197	61.892	38.75	-0.6	-9.5	99	48.1	22.748	7.99	-88.1	0.5	-0.4
07/17/04	03:00:52	28.3	57.722	61.363	38.39	-0.4	-6.3	100	48.13	22.771	7.98	-87.8	0.5	-0.4
07/17/04	03:30:52	28.26	57.775	61.376	38.43	-0.46	-7.3	99	48.17	22.797	7.99	-88.1	0.5	-0.4
07/17/04	04:00:52	28.34	55.818	59.379	36.96	-0.5	-8	99	48.2	22.845	7.99	-88	0.5	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/17/04	04:30:52	28.14	54.111	57.353	35.69	-0.63	-9.8	100	48.27	22.912	7.99	-88	0.7	-0.3
07/17/04	05:00:52	28.09	55.057	58.301	36.4	-0.55	-8.7	100	48.34	22.951	7.98	-87.6	0.5	0.6
07/17/04	05:30:52	28.02	54.162	57.288	35.73	-0.67	-10.5	100	48.41	23.011	7.98	-87.8	0.7	-0.2
07/17/04	06:00:52	27.85	53.519	56.43	35.26	-0.53	-8.3	99	48.46	23.051	7.98	-87.6	0.5	0
07/17/04	06:30:52	27.86	52.16	55.009	34.25	-0.55	-8.5	100	48.54	23.126	7.97	-87.1	0.4	0.3
07/17/04	07:00:52	27.81	51.439	54.199	33.72	-0.52	-8	99	48.61	23.182	7.96	-86.6	0.5	-0.3
07/17/04	07:30:52	27.62	48.204	50.613	31.36	-0.52	-7.9	99	48.65	23.25	7.96	-86.2	0.6	-0.2
07/17/04	08:00:52	27.66	50.504	53.066	33.04	-0.31	-4.8	99	48.74	23.282	7.93	-84.6	0.4	4.6
07/17/04	08:30:52	27.49	46.518	48.727	30.14	-0.6	-8.9	99	48.79	23.364	7.95	-85.6	0.4	-0.4
07/17/04	09:00:52	27.53	47.385	49.679	30.76	-0.56	-8.4	99	48.85	23.395	7.95	-85.9	0.7	-0.4
07/17/04	09:30:52	27.35	47.73	49.868	31.02	-0.67	-10.1	99	48.89	23.42	7.96	-86.3	0.6	-0.4
07/17/04	10:00:52	27	46.898	48.691	30.42	-0.79	-11.8	99	48.94	23.46	7.98	-87.2	0.4	-0.4
07/17/04	10:30:52	26.93	43.952	45.569	28.3	-0.83	-12.2	99	48.98	23.521	7.99	-87.7	0.3	-0.4
07/17/04	11:00:52	26.79	43.232	44.71	27.78	-0.72	-10.5	99	49.01	23.548	7.99	-87.6	0.5	-0.4
07/17/04	11:30:52	26.9	42.272	43.807	27.1	-0.87	-12.7	99	49.02	23.57	7.98	-87.5	1.8	-0.4
07/17/04	12:00:52	26.76	40.694	42.063	25.98	-0.74	-10.7	99	49.03	23.598	7.98	-87.3	14.1	-0.4
07/17/04	12:30:52	26.87	30.635	31.729	18.97	-0.81	-11.3	99	49.04	23.728	7.97	-87	32	-0.4
07/17/04	13:00:52	26.84	31.138	32.23	19.32	-0.71	-9.9	99	49.05	23.727	7.96	-86.4	54.2	-0.4
07/17/04	13:30:52	26.74	28.341	29.285	17.42	-0.72	-9.9	99	49.06	23.768	7.96	-86.2	82.7	-0.4
07/17/04	14:00:52	26.75	26.832	27.731	16.4	-0.66	-9.1	100	49.04	23.773	7.96	-86.2	59.7	-0.4
07/17/04	14:30:52	26.83	28.58	29.579	17.58	-0.54	-7.5	100	49.05	23.757	7.95	-85.5	138.2	-0.4
07/17/04	15:00:52	26.68	28.286	29.196	17.38	-0.69	-9.5	100	49.02	23.737	7.95	-85.9	162.9	-0.4
07/17/04	15:30:52	26.86	29.317	30.359	18.08	-0.65	-9	100	49.01	23.723	7.96	-86.1	81.3	-0.4
07/17/04	16:00:52	26.97	29.763	30.882	18.38	-0.63	-8.8	99	49	23.71	7.96	-86.3	220	-0.4
07/17/04	16:30:52	27.06	26.643	27.693	16.27	-0.74	-10.2	100	48.97	23.728	7.95	-85.5	264.5	-0.4
07/17/04	17:00:52	26.89	26.114	27.059	15.92	-0.61	-8.4	99	48.96	23.723	7.95	-85.6	85	-0.4
07/17/04	17:30:52	26.99	27.28	28.317	16.7	-0.67	-9.2	100	48.92	23.686	7.96	-86.5	324.8	-0.3
07/17/04	18:00:52	26.98	27.906	28.96	17.12	-0.4	-5.5	99	48.88	23.647	7.94	-85.3	304.1	-0.4
07/17/04	18:30:52	27.11	28.85	30.016	17.75	-0.65	-9	99	48.85	23.62	7.96	-86.1	301	-0.4
07/17/04	19:00:52	27.02	27.131	28.181	16.6	-0.61	-8.3	99	48.81	23.608	7.96	-86.3	339.9	-0.4
07/17/04	19:30:52	26.98	26.131	27.118	15.93	-0.64	-8.7	99	48.78	23.598	7.98	-87.5	328.1	-0.2
07/17/04	20:00:52	27.29	26.872	28.049	16.42	-0.79	-10.9	99	48.72	23.549	7.99	-87.9	72.2	-0.3
07/17/04	20:30:52	27.21	28.057	29.244	17.22	-0.75	-10.4	99	48.66	23.494	8	-88.5	252.5	-0.3
07/17/04	21:00:52	27.1	26.385	27.442	16.1	-0.72	-9.9	99	48.6	23.474	7.99	-88	231	-0.4
07/17/04	21:30:52	27.37	28.361	29.645	17.42	-0.73	-10.2	99	48.53	23.399	7.99	-88	196.6	-0.4
07/17/04	22:00:52	27.2	30.228	31.501	18.69	-0.65	-9.1	99	48.46	23.328	7.97	-86.9	176.9	-0.4
07/17/04	22:30:52	27.44	29.214	30.573	17.99	-0.5	-7	99	48.39	23.295	7.99	-88.3	129.1	-0.4
07/17/04	23:00:52	27.92	27.202	28.719	16.63	-0.63	-8.8	99	48.32	23.272	7.99	-88.4	103.2	-0.4
07/17/04	23:30:52	28.13	27.671	29.327	16.94	-0.55	-7.8	99	48.27	23.232	7.99	-88.3	56.1	1.4
07/18/04	00:00:52	27.96	28.226	29.824	17.32	-0.43	-6.1	99	48.21	23.183	7.99	-88.3	39.7	-0.4
07/18/04	00:30:52	28.58	28.689	30.651	17.62	-0.46	-6.6	99	48.17	23.156	7.99	-88.1	20.5	-0.4
07/18/04	01:00:52	28.38	28.213	30.034	17.3	-0.61	-8.6	100	48.14	23.14	7.99	-88.3	5.6	-0.4
07/18/04	01:30:52	28.09	27.929	29.579	17.11	-0.49	-6.9	100	48.11	23.121	7.99	-88.4	0.7	-0.4
07/18/04	02:00:52	28.08	27.116	28.709	16.57	-0.43	-6.1	99	48.09	23.114	7.99	-88.4	0.5	-0.4
07/18/04	02:30:52	27.6	29.777	31.257	18.37	-0.37	-5.2	99	48.1	23.088	7.99	-88.3	0.4	-0.4
07/18/04	03:00:52	27.71	30.066	31.622	18.57	-0.41	-5.8	99	48.12	23.099	7.98	-87.3	0.6	-0.4
07/18/04	03:30:52	28.59	28.194	30.125	17.28	-0.28	-4	100	48.13	23.137	7.95	-85.9	0.8	-0.4
07/18/04	04:00:52	28.48	28.286	30.166	17.35	-0.29	-4.1	99	48.17	23.156	7.94	-85.4	0.8	-0.4
07/18/04	04:30:52	27.98	28.272	29.883	17.35	-0.11	-1.5	99	48.21	23.184	7.93	-84.8	0.2	-0.4
07/18/04	05:00:52	28.08	26.925	28.51	16.44	0.05	0.7	100	48.27	23.239	7.94	-85	0.1	-0.4
07/18/04	05:30:52	28.09	28.439	30.116	17.46	0.13	1.8	99	48.33	23.267	7.92	-84.1	0.3	-0.4
07/18/04	06:00:52	28.08	25.233	26.716	15.31	0.08	1.1	100	48.37	23.333	7.91	-83.4	0.4	-0.4
07/18/04	06:30:52	28.18	24.943	26.456	15.12	0.06	0.8	99	48.43	23.38	7.91	-83.6	0.6	-0.4
07/18/04	07:00:52	27.99	24.683	26.092	14.95	0.46	6.3	100	48.51	23.437	7.88	-82	0.6	-0.4
07/18/04	07:30:52	28.08	27.328	28.934	16.71	0.32	4.4	99	48.57	23.447	7.89	-82.2	0	-0.4
07/18/04	08:00:52	28.14	26.178	27.748	15.94	0.46	6.4	99	48.63	23.502	7.87	-81.1	0.7	-0.4
07/18/04	08:30:52	28.17	26.604	28.213	16.22	0.1	1.4	99	48.7	23.548	7.9	-83.1	0.7	-0.4
07/18/04	09:00:52	27.77	24.759	26.07	15	0.23	3.2	99	48.77	23.613	7.9	-83.2	0.5	-0.4
07/18/04	09:30:52	28.21	24.357	25.848	14.73	-0.09	-1.2	100	48.8	23.645	7.93	-85	0.1	-0.4
07/18/04	10:00:52	28.28	11.933	12.681	6.78	-0.4	-5.3	99	48.84	23.815	7.97	-87	0.3	-0.4
07/18/04	10:30:52	28.73	11.545	12.368	6.54	-0.51	-6.9	99	48.89	23.856	7.97	-86.9	0.7	-0.4
07/18/04	11:00:52	27.61	11.184	11.742	6.33	-0.32	-4.2	99	48.92	23.874	7.97	-86.7	0.4	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/18/04	11:30:52	27.38	11.027	11.528	6.23	-0.4	-5.2	100	48.94	23.885	7.95	-85.9	1	-0.4
07/18/04	12:00:52	27.14	13.059	13.594	7.49	-0.12	-1.6	99	48.95	23.868	7.93	-84.4	8.8	-0.4
07/18/04	12:30:52	27.36	23.135	24.179	13.93	-0.1	-1.4	100	48.97	23.769	7.92	-84.3	34	-0.4
07/18/04	13:00:52	28.09	11.084	11.737	6.26	-0.42	-5.5	99	48.99	23.923	7.94	-85.4	65.2	-0.4
07/18/04	13:30:52	27.78	10.018	10.55	5.62	-0.23	-3	99	48.97	23.921	7.94	-85	71.9	-0.4
07/18/04	14:00:52	26.91	10.966	11.367	6.2	-0.37	-4.7	100	48.97	23.903	7.94	-85	117.3	-0.4
07/18/04	14:30:52	26.77	12.708	13.138	7.27	-0.3	-4	99	48.98	23.889	7.94	-85.1	146	-0.4
07/18/04	15:00:52	26.68	12.224	12.615	6.97	-0.36	-4.7	99	48.95	23.872	7.94	-85.2	157.3	-0.4
07/18/04	15:30:52	27.47	12.43	13.017	7.09	-0.41	-5.4	99	48.97	23.891	7.94	-85.4	169.5	-0.4
07/18/04	16:00:52	27.29	22.476	23.461	13.5	-0.4	-5.5	99	48.93	23.75	7.94	-85.3	130.6	-0.4
07/18/04	16:30:52	27	11.606	12.05	6.59	-0.57	-7.4	100	48.93	23.866	7.96	-86.3	217.4	-0.4
07/18/04	17:00:52	27.46	12.52	13.108	7.15	-0.66	-8.8	100	48.9	23.839	7.97	-86.9	171.4	-0.3
07/18/04	17:30:52	27.15	11.257	11.72	6.38	-0.27	-3.5	99	48.89	23.846	7.97	-86.9	170.5	-0.4
07/18/04	18:00:52	28.33	11.141	11.848	6.3	-0.78	-10.3	100	48.84	23.817	7.98	-87.6	138.7	-0.4
07/18/04	18:30:52	27.99	10.425	11.02	5.86	-0.83	-10.9	99	48.82	23.813	7.99	-88.4	141.5	-0.4
07/18/04	19:00:52	28.2	10.85	11.514	6.12	-0.82	-10.8	100	48.77	23.777	8	-88.9	152.5	-0.4
07/18/04	19:30:52	27.75	10.579	11.135	5.96	-0.9	-11.9	99	48.75	23.761	8.01	-89.2	179.1	-0.4
07/18/04	20:00:52	27.99	11.826	12.5	6.72	-0.9	-11.9	99	48.68	23.702	8	-88.7	150.8	-0.4
07/18/04	20:30:52	27.15	11.625	12.102	6.6	-0.93	-12.1	99	48.65	23.677	8.02	-89.4	183.2	-0.4
07/18/04	21:00:52	27.58	13.251	13.904	7.6	-1.24	-16.4	100	48.6	23.624	8.02	-90	166.2	-0.4
07/18/04	21:30:52	27.39	12.023	12.572	6.84	-0.87	-11.5	99	48.55	23.6	8.02	-89.8	96.7	-0.4
07/18/04	22:00:52	28.7	11.984	12.831	6.81	-0.91	-12.2	100	48.47	23.552	8.02	-90.1	52.7	-0.4
07/18/04	22:30:52	27.76	12.766	13.44	7.3	-0.71	-9.4	100	48.42	23.505	8.01	-89.2	142	-0.4
07/18/04	23:00:52	28.38	11.098	11.816	6.27	-0.6	-8	99	48.35	23.474	8.01	-89.4	69	-0.4
07/18/04	23:30:52	27.9	13.451	14.197	7.72	-0.72	-9.6	99	48.33	23.438	8.01	-89.2	48.4	-0.4
07/19/04	00:00:52	27.96	11.545	12.197	6.55	-0.65	-8.6	99	48.28	23.421	8	-88.9	37.8	-0.4
07/19/04	00:30:52	28.37	20.969	22.317	12.5	-0.57	-7.9	99	48.21	23.272	8	-88.8	21.5	-0.4
07/19/04	01:00:52	27.78	11.638	12.256	6.6	-0.46	-6	100	48.19	23.351	8	-88.8	5.6	-0.4
07/19/04	01:30:52	28.61	21.249	22.714	12.68	-0.48	-6.7	99	48.14	23.217	8.01	-89.3	0.2	-0.4
07/19/04	02:00:52	27.99	11.236	11.879	6.36	-0.54	-7.1	99	48.14	23.328	8.01	-89.4	0.7	-0.4
07/19/04	02:30:52	27.98	10.906	11.527	6.16	-0.52	-6.9	99	48.13	23.319	8.01	-89.5	0.4	-0.4
07/19/04	03:00:52	27.96	11.501	12.151	6.52	-0.39	-5.2	99	48.14	23.319	8.01	-89.4	0.5	-0.4
07/19/04	03:30:52	28.48	12.192	13.002	6.94	-0.57	-7.6	100	48.13	23.314	8.02	-89.7	0.4	-0.4
07/19/04	04:00:52	29.14	10.261	11.072	5.75	-0.42	-5.7	99	48.17	23.364	8.01	-89.5	0.1	-0.4
07/19/04	04:30:52	27.95	11.12	11.746	6.29	-0.46	-6	99	48.21	23.372	8.01	-89.5	0.6	-0.4
07/19/04	05:00:52	27.94	11.537	12.185	6.54	-0.55	-7.3	99	48.23	23.385	8.01	-89.4	0.6	-0.4
07/19/04	05:30:52	28.35	10.356	11.019	5.82	-0.42	-5.5	99	48.28	23.436	8.01	-89.4	0.4	-0.4
07/19/04	06:00:52	27.85	11.229	11.841	6.35	-0.23	-3.1	99	48.38	23.493	8.01	-89.2	0.1	-0.4
07/19/04	06:30:52	28.41	22.828	24.316	13.71	-0.38	-5.3	100	48.43	23.403	8.01	-89.2	0.3	-0.4
07/19/04	07:00:52	27.9	11.089	11.704	6.27	-0.41	-5.4	99	48.49	23.569	8	-88.9	0.7	-0.4
07/19/04	07:30:52	27.79	11.615	12.234	6.59	-0.4	-5.3	99	48.56	23.613	8.01	-89.2	0.2	-0.4
07/19/04	08:00:52	27.88	11.301	11.924	6.4	-0.52	-6.9	99	48.61	23.653	8.01	-89.4	0.9	-0.4
07/19/04	08:30:52	27.84	11.26	11.871	6.37	-0.63	-8.4	99	48.69	23.71	8.01	-89.4	0.5	-0.4
07/19/04	09:00:52	28	12.631	13.354	7.21	-0.69	-9.2	99	48.74	23.734	8.01	-89.2	0.3	-0.4
07/19/04	09:30:52	28.25	10.229	10.865	5.74	-0.76	-10.1	100	48.8	23.803	8.01	-89.4	0.6	-0.4
07/19/04	10:00:52	27.52	12.12	12.704	6.9	-0.88	-11.5	99	48.87	23.823	8.01	-89.4	0.2	-0.4
07/19/04	10:30:52	27.79	21.583	22.734	12.91	-0.71	-9.7	99	48.91	23.751	8.01	-89.5	-0	-0.4
07/19/04	11:00:52	27.41	24.039	25.147	14.53	-0.62	-8.5	99	48.94	23.741	8.01	-89	0.7	-0.4
07/19/04	11:30:52	27.75	10.605	11.162	5.97	-0.75	-9.8	99	48.96	23.91	8.01	-89.2	1.1	-0.4
07/19/04	12:00:52	27.65	22.129	23.248	13.27	-0.52	-7.2	99	49	23.806	8	-88.9	7	-0.4
07/19/04	12:30:52	27.63	11.226	11.789	6.35	-0.63	-8.2	99	49.02	23.941	8	-88.5	24.5	-0.4
07/19/04	13:00:52	27.48	15.601	16.339	9.07	-0.69	-9.2	100	49.03	23.901	7.99	-88.3	38.1	-0.4
07/19/04	13:30:52	27.45	34.103	35.695	21.34	-0.57	-8.1	99	49.04	23.689	7.99	-88.2	70.4	-0.4
07/19/04	14:00:52	27.43	35.925	37.595	22.61	-0.46	-6.6	99	49.04	23.664	7.99	-87.8	96.4	-0.4
07/19/04	14:30:52	27.41	37.777	39.515	23.9	-0.38	-5.5	99	49.04	23.645	8	-88.4	117.9	-0.4
07/19/04	15:00:52	27.44	35.981	37.659	22.65	-0.51	-7.4	99	49.03	23.661	8	-88.7	153.3	-0.4
07/19/04	15:30:52	27.42	37.037	38.748	23.38	-0.48	-7	99	49.02	23.637	8	-88.7	175.3	-0.4
07/19/04	16:00:52	27.46	35.512	37.178	22.32	-0.36	-5.2	99	49	23.644	8.01	-89.4	168.6	-0.4
07/19/04	16:30:52	27.5	34.796	36.459	21.82	-0.41	-5.9	99	48.98	23.637	8.01	-89	231.3	-0.4
07/19/04	17:00:52	27.47	36.444	38.163	22.97	-0.55	-7.9	99	48.96	23.604	8	-88.9	247.5	-0.4
07/19/04	17:30:52	27.53	42.298	44.346	27.1	-0.47	-6.9	99	48.93	23.514	8	-88.9	261.4	-0.4
07/19/04	18:00:52	27.47	42.719	44.736	27.4	-0.47	-7	100	48.9	23.488	8	-88.7	272.4	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/19/04	18:30:52	27.48	42.382	44.394	27.16	-0.54	-8	99	48.88	23.48	8.01	-89.4	269.5	-0.4
07/19/04	19:00:52	27.87	42.641	44.981	27.33	-0.56	-8.3	99	48.85	23.459	8.01	-89.4	270.9	-0.4
07/19/04	19:30:52	27.96	43.021	45.45	27.6	-0.5	-7.4	99	48.83	23.438	8.02	-89.7	265.7	-0.4
07/19/04	20:00:52	28.1	43.124	45.674	27.67	-0.69	-10.3	100	48.8	23.415	8.02	-89.6	267.5	-0.4
07/19/04	20:30:52	28.09	42.826	45.356	27.46	-0.52	-7.7	99	48.74	23.382	8.03	-90.3	232.1	-0.4
07/19/04	21:00:52	28.2	43.574	46.236	27.99	-0.42	-6.2	99	48.7	23.34	8.02	-90.1	216.2	-0.4
07/19/04	21:30:52	28.19	43.07	45.697	27.63	-0.61	-9.1	100	48.64	23.307	8.03	-90.2	184.7	-0.4
07/19/04	22:00:52	28.19	44.445	47.156	28.62	-0.49	-7.4	99	48.59	23.257	8.02	-90	129.4	-0.4
07/19/04	22:30:52	28.19	43.924	46.603	28.24	-0.47	-7.1	99	48.53	23.218	8.02	-90	131.4	-0.4
07/19/04	23:00:52	28.18	44.205	46.887	28.45	-0.53	-7.9	99	48.46	23.171	8.01	-89.5	43.8	-0.4
07/19/04	23:30:52	28.15	43.153	45.752	27.69	-0.33	-4.9	100	48.41	23.144	8.01	-89.4	30.7	-0.4
07/20/04	00:00:52	28.14	43.731	46.352	28.11	-0.38	-5.7	100	48.37	23.112	7.99	-88.3	48.8	-0.4
07/20/04	00:30:52	28.16	42.653	45.23	27.34	-0.56	-8.4	99	48.3	23.079	8.01	-89.2	15.9	-0.4
07/20/04	01:00:52	28.16	42.854	45.438	27.48	-0.21	-3.1	99	48.25	23.042	7.97	-87.1	3.9	-0.4
07/20/04	01:30:52	28.15	42.623	45.189	27.31	-0.11	-1.7	99	48.22	23.02	7.97	-87.2	0.5	-0.4
07/20/04	02:00:52	28.15	43.708	46.339	28.09	-0.3	-4.5	100	48.18	22.982	7.98	-87.7	0.3	-0.4
07/20/04	02:30:52	28.16	43.331	45.942	27.82	-0.2	-3	99	48.16	22.971	7.98	-87.3	0.3	-0.4
07/20/04	03:00:52	28.15	42.863	45.443	27.49	-0.14	-2.1	100	48.15	22.969	7.97	-86.9	0.1	-0.4
07/20/04	03:30:52	28.15	43.821	46.457	28.17	-0.2	-3.1	100	48.13	22.946	7.97	-86.9	0.1	-0.4
07/20/04	04:00:52	28.16	45.061	47.78	29.06	-0.23	-3.4	99	48.14	22.939	7.96	-86.2	0.6	-0.4
07/20/04	04:30:52	28.19	42.024	44.582	26.89	0.02	0.2	100	48.17	22.992	7.93	-84.8	0.5	-0.4
07/20/04	05:00:52	28.18	41.834	44.377	26.75	0.01	0.2	99	48.19	23.01	7.93	-84.5	0.5	-0.4
07/20/04	05:30:52	28.19	42.132	44.703	26.96	0.13	1.9	100	48.23	23.037	7.92	-84.2	0.5	-0.4
07/20/04	06:00:52	28.21	42.282	44.876	27.07	0.22	3.2	99	48.27	23.059	7.92	-84.2	0.5	-0.4
07/20/04	06:30:52	28.2	43.167	45.805	27.7	0.41	6.1	100	48.31	23.077	7.9	-83.1	0.5	-0.4
07/20/04	07:00:52	28.11	42.911	45.461	27.52	-0.27	-4	99	48.35	23.111	8	-88.8	0.4	-0.3
07/20/04	07:30:52	28.06	43.374	45.908	27.85	-0.24	-3.6	99	48.42	23.148	8.01	-89.3	0.4	-0.4
07/20/04	08:00:52	27.98	42.59	45.018	27.3	-0.28	-4.1	99	48.49	23.21	8.01	-89.2	0.4	-0.4
07/20/04	08:30:52	27.9	42.696	45.061	27.37	-0.31	-4.6	99	48.55	23.245	8.01	-89	0.3	-0.4
07/20/04	09:00:52	27.38	42.056	43.972	26.93	-0.46	-6.7	99	48.62	23.299	8.01	-89.2	0.5	-0.4
07/20/04	09:30:52	27.3	42.171	44.024	27.01	-0.44	-6.5	99	48.67	23.331	8.01	-89.1	0.3	-0.4
07/20/04	10:00:52	27.29	42.65	44.518	27.36	-0.55	-8.1	99	48.71	23.354	8.01	-89.1	0.5	-0.4
07/20/04	10:30:52	27.33	43.477	45.412	27.95	-0.46	-6.8	99	48.76	23.378	8.01	-88.9	0.4	-0.4
07/20/04	11:00:52	27.36	42.615	44.534	27.33	-0.31	-4.5	99	48.79	23.414	8	-88.8	0.5	-0.4
07/20/04	11:30:52	27.35	42.186	44.08	27.02	-0.27	-3.9	99	48.83	23.446	8	-88.3	1.9	-0.4
07/20/04	12:00:52	27.36	44.895	46.918	28.97	-0.14	-2	99	48.85	23.425	7.99	-87.9	11.3	-0.4
07/20/04	12:30:52	27.64	42.55	44.699	27.28	-0.32	-4.7	99	48.87	23.47	8.01	-89.1	27.8	-0.4
07/20/04	13:00:52	27.72	43.341	45.591	27.84	-0.39	-5.8	99	48.9	23.48	8.01	-89.2	50	-0.4
07/20/04	13:30:52	27.79	43.203	45.506	27.74	-0.07	-1.1	99	48.89	23.476	8.02	-89.6	75.7	-0.4
07/20/04	14:00:52	27.92	41.626	43.944	26.61	-0.14	-2.1	99	48.9	23.506	8.02	-89.7	100.3	-0.4
07/20/04	14:30:52	27.83	36.823	38.815	23.22	-0.13	-1.9	100	48.9	23.562	8.02	-90	124.2	-0.4
07/20/04	15:00:52	27.81	35.17	37.06	22.07	-0.25	-3.6	99	48.89	23.577	8.02	-90	153.2	-0.4
07/20/04	15:30:52	27.84	36.221	38.183	22.8	-0.23	-3.4	99	48.89	23.559	8.02	-89.8	176.5	-0.4
07/20/04	16:00:52	27.73	35.587	37.44	22.36	-0.2	-2.9	99	48.9	23.573	8.02	-89.7	203.4	-0.4
07/20/04	16:30:52	27.62	35.859	37.656	22.56	-0.35	-5.1	99	48.88	23.555	8.03	-90.2	226.2	-0.4
07/20/04	17:00:52	27.48	35.878	37.577	22.57	-0.38	-5.5	100	48.87	23.549	8.02	-89.6	244.6	-0.4
07/20/04	17:30:52	27.5	37.176	38.948	23.48	-0.42	-6	99	48.86	23.528	8.02	-89.7	253.9	0.3
07/20/04	18:00:52	27.53	36.685	38.46	23.13	-0.46	-6.6	99	48.84	23.519	8.02	-89.7	256.6	-0.4
07/20/04	18:30:52	27.53	34.513	36.184	21.62	-0.63	-8.9	100	48.82	23.535	8.03	-90.1	259.1	0
07/20/04	19:00:52	27.56	35.509	37.245	22.31	-0.51	-7.3	99	48.8	23.51	8.02	-89.9	265.1	-0.4
07/20/04	19:30:52	27.58	36.679	38.488	23.13	-0.44	-6.3	99	48.77	23.475	8.03	-90.1	258.7	-0.4
07/20/04	20:00:52	27.63	36.095	37.909	22.72	-0.69	-9.9	99	48.76	23.472	8.05	-91.2	248.5	-0.4
07/20/04	20:30:52	27.64	34.902	36.664	21.89	-0.72	-10.3	100	48.73	23.466	8.05	-91.4	232.5	-0.4
07/20/04	21:00:52	27.72	36.941	38.863	23.31	-0.71	-10.2	99	48.7	23.421	8.06	-92.3	207.3	-0.4
07/20/04	21:30:52	27.72	35.958	37.825	22.62	-0.73	-10.5	99	48.69	23.425	8.06	-92	175.3	-0.4
07/20/04	22:00:52	28.11	34.481	36.528	21.59	-0.57	-8.3	99	48.65	23.421	8.04	-91	151.2	-0.4
07/20/04	22:30:52	28.13	34.012	36.048	21.26	-0.5	-7.2	99	48.62	23.402	8.05	-91.4	127	-0.4
07/20/04	23:00:52	28.11	34.063	36.088	21.3	-0.55	-7.9	99	48.57	23.368	8.04	-91.2	96.1	-0.4
07/20/04	23:30:52	28.12	33.863	35.879	21.16	-0.47	-6.8	100	48.53	23.34	8.04	-90.8	63.1	-0.4
07/21/04	00:00:52	28.13	35.541	37.668	22.32	-0.32	-4.7	100	48.5	23.302	8.03	-90.2	38	-0.4
07/21/04	00:30:52	28.16	33.836	35.88	21.14	-0.34	-4.9	100	48.47	23.303	8.02	-89.7	17.4	-0.4
07/21/04	01:00:52	28.15	33.749	35.777	21.08	-0.37	-5.4	99	48.41	23.263	8	-89	4.4	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/21/04	01:30:52	28.13	35.338	37.449	22.18	-0.23	-3.3	100	48.39	23.227	8	-89	0.4	-0.4
07/21/04	02:00:52	28.18	34.055	36.12	21.29	-0.14	-2	99	48.35	23.215	7.99	-88.1	0.5	-0.4
07/21/04	02:30:52	28.17	35.264	37.401	22.13	-0.04	-0.5	99	48.33	23.187	7.99	-88.3	0.6	-0.4
07/21/04	03:00:52	28.17	35.654	37.813	22.4	-0.17	-2.5	99	48.31	23.167	7.99	-88	0.3	-0.4
07/21/04	03:30:52	28.21	35.707	37.896	22.44	-0.22	-3.2	100	48.3	23.161	8	-88.6	0.5	-0.4
07/21/04	04:00:52	28.19	35.179	37.325	22.07	0.13	1.9	100	48.3	23.165	7.98	-87.8	0.5	-0.4
07/21/04	04:30:52	27.81	34.88	36.752	21.87	-0.15	-2.2	100	48.28	23.157	7.98	-87.8	0.2	-0.4
07/21/04	05:00:52	27.59	34.567	36.275	21.66	-0.3	-4.2	99	48.3	23.171	8.01	-89.1	0.4	-0.4
07/21/04	05:30:52	27.49	35.418	37.104	22.25	-0.38	-5.4	99	48.33	23.183	8.01	-89.1	0.4	-0.4
07/21/04	06:00:52	27.39	34.471	36.043	21.6	-0.39	-5.5	99	48.35	23.202	8	-88.9	0.7	-0.4
07/21/04	06:30:52	27.19	34.464	35.905	21.6	-0.37	-5.3	99	48.39	23.231	8.01	-88.9	0.6	-0.4
07/21/04	07:00:52	27.12	35.316	36.748	22.19	-0.38	-5.4	99	48.44	23.255	8.01	-88.9	0.4	-0.4
07/21/04	07:30:52	27.07	34.35	35.709	21.52	-0.33	-4.6	99	48.48	23.292	8	-88.5	0.2	-0.4
07/21/04	08:00:52	27.13	35.274	36.708	22.16	-0.21	-3	100	48.53	23.32	8	-88.3	0.5	-0.4
07/21/04	08:30:52	27.14	35.584	37.035	22.38	-0.06	-0.9	100	48.58	23.352	7.99	-88.1	0.6	-0.4
07/21/04	09:00:52	27.14	36.187	37.664	22.8	-0.15	-2.1	99	48.64	23.38	7.99	-87.8	0.6	-0.4
07/21/04	09:30:52	27.15	36.291	37.778	22.87	-0.22	-3.2	99	48.68	23.411	7.99	-87.9	0.5	-0.4
07/21/04	10:00:52	27.15	34.532	35.95	21.64	-0.22	-3.1	100	48.73	23.465	7.98	-87.5	0.4	-0.4
07/21/04	10:30:52	27.18	35.647	37.132	22.42	-0.18	-2.5	99	48.78	23.489	7.97	-86.6	0.5	-0.4
07/21/04	11:00:52	27.22	35.491	36.995	22.31	-0.08	-1.1	99	48.82	23.516	7.96	-86.4	0.4	-0.4
07/21/04	11:30:52	27.25	35.18	36.692	22.09	0.1	1.4	99	48.85	23.542	7.94	-85.2	1.8	-0.4
07/21/04	12:00:52	27.29	56.71	59.194	37.66	0.1	1.6	99	48.85	23.275	7.93	-84.6	13.6	-0.4
07/21/04	12:30:52	27.33	38.696	40.419	24.55	0.23	3.3	99	48.87	23.517	7.92	-83.8	29.9	-0.4
07/21/04	13:00:52	27.36	40.917	42.762	26.12	0.25	3.6	99	48.89	23.504	7.9	-83	51.8	-0.4
07/21/04	13:30:52	27.41	39.665	41.487	25.23	0.43	6.2	99	48.89	23.516	7.9	-82.7	39.5	-0.4
07/21/04	14:00:52	27.37	41.214	43.082	26.33	-0	-0.1	99	48.88	23.491	7.98	-87.3	46.7	-0.4
07/21/04	14:30:52	27.24	40.626	42.367	25.92	-0.31	-4.5	99	48.88	23.5	8	-88.8	42.6	-0.4
07/21/04	15:00:52	27.17	39.513	41.154	25.13	-0.36	-5.2	99	48.87	23.5	8.03	-90	89.4	-0.4
07/21/04	15:30:52	27.17	40.507	42.183	25.83	-0.21	-3	99	48.85	23.479	8.04	-90.9	183.1	-0.4
07/21/04	16:00:52	27.11	39.835	41.443	25.36	-0.26	-3.8	99	48.84	23.479	8.03	-90.3	208.1	-0.4
07/21/04	16:30:52	27.06	40.05	41.626	25.51	-0.48	-7	99	48.82	23.458	8.03	-90.1	134.3	-0.4
07/21/04	17:00:52	27.1	42.454	44.158	27.22	-0.22	-3.2	99	48.8	23.42	8.02	-89.6	80.7	-0.4
07/21/04	17:30:52	27.15	38.342	39.919	24.3	-0.16	-2.2	100	48.8	23.471	8.01	-89.4	35.2	-0.4
07/21/04	18:00:52	27.18	41.537	43.264	26.56	-0.34	-5	99	48.77	23.409	8.02	-89.5	45.5	-0.4
07/21/04	18:30:52	27.14	42.043	43.766	26.93	-0.44	-6.5	99	48.75	23.385	8.02	-89.7	40.7	-0.4
07/21/04	19:00:52	27.09	42.992	44.706	27.61	-0.43	-6.3	99	48.74	23.37	8.02	-89.4	36.4	-0.4
07/21/04	19:30:52	27.1	42.424	44.129	27.2	-0.2	-3	99	48.73	23.369	8.02	-89.5	53.7	-0.4
07/21/04	20:00:52	27.08	43.871	45.61	28.24	-0.42	-6.3	99	48.71	23.341	8.02	-90	65.2	-0.4
07/21/04	20:30:52	27.1	44.773	46.567	28.88	-0.29	-4.3	100	48.68	23.308	8.03	-90.1	87.9	-0.4
07/21/04	21:00:52	27.19	43.86	45.697	28.23	-0.44	-6.5	99	48.67	23.313	8.03	-90.4	113.2	-0.4
07/21/04	21:30:52	27.27	45.632	47.61	29.5	-0.4	-6	100	48.66	23.285	8.04	-90.8	109.9	-0.4
07/21/04	22:00:52	27.3	43.115	45.007	27.69	-0.64	-9.4	99	48.64	23.297	8.06	-92	145.2	-0.4
07/21/04	22:30:52	27.39	43.558	45.543	28	-0.78	-11.5	99	48.62	23.28	8.06	-92	130.4	-0.4
07/21/04	23:00:52	27.39	43.815	45.813	28.19	-0.72	-10.6	99	48.6	23.264	8.05	-91.5	83.8	-0.4
07/21/04	23:30:52	27.46	43.486	45.527	27.95	-0.72	-10.6	99	48.56	23.24	8.05	-91.2	63.3	-0.4
07/22/04	00:00:52	27.48	44.422	46.522	28.62	-0.88	-13	99	48.52	23.205	8.04	-90.6	38.9	-0.4
07/22/04	00:30:52	27.48	42.796	44.824	27.46	-0.9	-13.2	100	48.51	23.215	8.02	-89.8	15.1	-0.4
07/22/04	01:00:52	27.48	43.568	45.633	28.01	-0.95	-14	100	48.46	23.172	8.01	-89.1	4.1	-0.4
07/22/04	01:30:52	27.52	43.977	46.096	28.3	-0.93	-13.8	99	48.44	23.153	8.01	-89.3	0.7	-0.4
07/22/04	02:00:52	27.6	44.18	46.375	28.44	-1.03	-15.4	96	48.42	23.136	8	-88.8	0.1	-0.4
07/22/04	02:30:52	27.7	44.138	46.411	28.41	-0.77	-11.5	95	48.4	23.123	7.99	-88.1	0.1	-0.4
07/22/04	03:00:52	27.72	43.963	46.247	28.29	-0.68	-10.1	96	48.38	23.114	7.98	-87.5	0.2	-0.4
07/22/04	03:30:52	27.7	44.195	46.47	28.45	-0.65	-9.7	94	48.36	23.097	7.98	-87.5	0.6	-0.4
07/22/04	04:00:52	27.7	43.511	45.752	27.96	-0.54	-8.1	92	48.34	23.093	7.97	-87	0.4	-0.4
07/22/04	04:30:52	27.69	44.589	46.881	28.74	-0.54	-8	91	48.34	23.08	7.96	-86.5	0.6	-0.4
07/22/04	05:00:52	27.68	44.099	46.358	28.38	-0.25	-3.8	94	48.33	23.075	7.95	-85.6	0.1	-0.4
07/22/04	05:30:52	27.69	44.995	47.311	29.03	-0.42	-6.2	95	48.36	23.085	7.96	-86.2	0.5	-0.4
07/22/04	06:00:52	27.69	43.866	46.122	28.22	-0.32	-4.8	91	48.36	23.103	7.95	-85.8	0.8	-0.4
07/22/04	06:30:52	27.74	44.917	47.267	28.97	-0.43	-6.4	95	48.37	23.092	7.96	-86.7	0.3	-0.4
07/22/04	07:00:52	27.66	40.967	43.047	26.15	-0.34	-5	91	48.39	23.154	7.94	-85.5	0.6	-0.4
07/22/04	07:30:52	27.69	41.152	43.269	26.28	-0.16	-2.3	93	48.44	23.187	7.93	-84.6	0.6	-0.4
07/22/04	08:00:52	27.68	40.887	42.983	26.09	-0.1	-1.5	92	48.47	23.214	7.93	-84.4	0.8	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/22/04	08:30:52	27.7	40.784	42.89	26.02	-0.14	-2	90	48.51	23.24	7.94	-85.4	-0.7	-0.4
07/22/04	09:00:52	27.82	41.183	43.399	26.3	-0.12	-1.8	92	48.56	23.271	7.92	-84.2	1.7	-0.4
07/22/04	09:30:52	27.67	41.944	44.082	26.84	-0.03	-0.4	90	48.6	23.292	7.91	-83.3	1.1	-0.4
07/22/04	10:00:52	27.68	41.123	43.228	26.26	0.05	0.7	88	48.64	23.33	7.9	-83.3	0.7	-0.4
07/22/04	10:30:52	27.63	42.79	44.938	27.45	0.03	0.4	92	48.69	23.341	7.92	-84	1.4	-0.4
07/22/04	11:00:52	27.64	42.454	44.597	27.21	-0.86	-12.7	95	48.72	23.366	8.01	-89.5	0.8	-0.4
07/22/04	11:30:52	27.61	42.278	44.389	27.08	-0.82	-12.1	93	48.76	23.396	8.01	-89.4	2.4	-0.4
07/22/04	12:00:52	27.54	40.59	42.557	25.88	-0.92	-13.4	92	48.78	23.429	8.02	-89.8	11.7	-0.5
07/22/04	12:30:52	27.41	42.645	44.604	27.35	-0.8	-11.8	93	48.79	23.41	8.02	-89.7	26.3	-0.4
07/22/04	13:00:52	27.33	42.39	44.276	27.17	-0.83	-12.2	92	48.81	23.43	8.03	-90.2	47.8	-0.4
07/22/04	13:30:52	27.23	40.796	42.534	26.04	-0.8	-11.7	94	48.79	23.432	8.03	-90.4	61.9	-0.4
07/22/04	14:00:52	27.2	40.192	41.879	25.61	-0.82	-11.9	95	48.79	23.437	8.06	-91.7	117.1	-0.4
07/22/04	14:30:52	27.16	42.58	44.335	27.31	-0.85	-12.5	93	48.81	23.424	8.03	-90.3	76.4	-0.4
07/22/04	15:00:52	27.09	42.219	43.907	27.05	-0.77	-11.3	94	48.8	23.421	8.01	-89.3	18.3	-0.4
07/22/04	15:30:52	27.02	40.981	42.566	26.17	-0.88	-12.8	93	48.78	23.424	8.02	-89.5	31.3	-0.4
07/22/04	16:00:52	26.99	39.892	41.41	25.4	-0.91	-13.2	95	48.75	23.415	8.08	-93	208.2	-0.4
07/22/04	16:30:52	27	42.546	44.168	27.29	-0.85	-12.4	92	48.74	23.377	8.07	-92.3	192.1	-0.4
07/22/04	17:00:52	26.92	40.516	42.002	25.85	-0.99	-14.3	96	48.73	23.391	8.05	-91.1	151.4	-0.4
07/22/04	17:30:52	26.96	41.112	42.649	26.27	-0.97	-14.1	98	48.69	23.358	8.05	-91.3	242.7	-0.4
07/22/04	18:00:52	27.01	43.487	45.156	27.96	-1.09	-16	98	48.7	23.336	8.05	-91.6	249.5	-0.4
07/22/04	18:30:52	26.95	41.632	43.179	26.64	-1.1	-16.1	99	48.66	23.33	8.04	-91.1	249.6	-0.4
07/22/04	19:00:52	26.89	43.342	44.906	27.86	-1.02	-14.9	99	48.66	23.306	8.04	-90.5	221.4	-0.4
07/22/04	19:30:52	26.93	43.861	45.48	28.23	-1.19	-17.5	98	48.65	23.298	8.05	-91.6	244.9	-0.4
07/22/04	20:00:52	26.9	44.966	46.603	29.03	-1.07	-15.7	97	48.63	23.265	8.05	-91.2	222.3	-0.4
07/22/04	20:30:52	26.85	44.72	46.296	28.85	-0.93	-13.7	95	48.62	23.266	8.03	-90.3	205.2	-0.4
07/22/04	21:00:52	27.39	44.224	46.246	28.48	-1.01	-15	96	48.66	23.3	8.05	-91.6	189.8	-0.4
07/22/04	21:30:52	27.7	44.669	46.971	28.79	-1.18	-17.7	95	48.62	23.269	8.07	-92.5	175.9	-0.4
07/22/04	22:00:52	27.74	45.038	47.392	29.06	-1.23	-18.4	96	48.62	23.266	8.08	-93.1	149.6	-0.4
07/22/04	22:30:52	27.75	45.415	47.8	29.33	-1.17	-17.6	96	48.61	23.253	8.08	-93	119.4	-0.4
07/22/04	23:00:52	27.75	46.299	48.73	29.97	-1.16	-17.4	98	48.62	23.253	8.07	-92.8	91	-0.4
07/22/04	23:30:52	27.73	44.118	46.422	28.4	-1.02	-15.2	97	48.63	23.281	8.05	-91.4	63	-0.4
07/23/04	00:00:52	27.74	48.941	51.507	31.89	-0.86	-13	94	48.61	23.211	8.04	-90.9	37	-0.4
07/23/04	00:30:52	27.74	47.834	50.342	31.08	-0.79	-12	94	48.6	23.215	8.03	-90.3	16.7	-0.4
07/23/04	01:00:52	27.75	48.087	50.608	31.27	-0.83	-12.5	92	48.57	23.197	8.02	-89.8	4.1	-0.4
07/23/04	01:30:52	27.77	48.344	50.9	31.45	-0.83	-12.6	94	48.56	23.187	8.02	-89.6	0.3	-0.4
07/23/04	02:00:52	27.78	49.196	51.805	32.08	-0.64	-9.8	88	48.54	23.157	8	-88.9	0.3	-0.4
07/23/04	02:30:52	27.74	48.709	51.261	31.72	-0.49	-7.4	84	48.52	23.154	7.98	-87.6	0.1	-0.4
07/23/04	03:00:52	27.77	47.814	50.342	31.07	-0.41	-6.3	86	48.53	23.169	7.98	-87.6	0.3	-0.4
07/23/04	03:30:52	27.78	48.409	50.98	31.5	-0.33	-5	87	48.52	23.158	7.96	-86.6	0.5	-0.4
07/23/04	04:00:52	27.79	47.914	50.468	31.14	-0.42	-6.3	87	48.51	23.154	7.97	-86.9	0.4	-0.4
07/23/04	04:30:52	27.79	47.674	50.211	30.97	-0.1	-1.5	73	48.48	23.139	7.94	-85.5	0.3	-0.4
07/23/04	05:00:52	27.82	45.487	47.938	29.38	-0.16	-2.4	76	48.49	23.174	7.95	-85.6	0.5	-0.4
07/23/04	05:30:52	27.85	43.869	46.259	28.21	-0.18	-2.7	76	48.49	23.192	7.95	-85.7	0.4	-0.4
07/23/04	06:00:52	27.82	44.187	46.57	28.44	-0.03	-0.5	80	48.5	23.196	7.93	-85	0.3	-0.4
07/23/04	06:30:52	27.85	46.067	48.573	29.8	0.01	0.2	84	48.52	23.186	7.94	-85.3	0.5	-0.5
07/23/04	07:00:52	27.83	44.137	46.52	28.41	0.1	1.4	81	48.52	23.211	7.92	-84.2	0.6	-0.4
07/23/04	07:30:52	27.85	45.115	47.57	29.11	0.1	1.5	77	48.55	23.219	7.93	-84.7	0.3	-0.4
07/23/04	08:00:52	27.82	45.133	47.566	29.12	0.1	1.4	83	48.58	23.24	7.93	-84.5	0.5	-0.4
07/23/04	08:30:52	27.8	43.949	46.302	28.27	0.07	1	81	48.6	23.264	7.92	-84.2	0.5	-0.4
07/23/04	09:00:52	27.86	46.108	48.627	29.83	0.27	4	80	48.63	23.261	7.92	-84.1	0.5	-0.4
07/23/04	09:30:52	27.81	43.722	46.067	28.11	0.39	5.8	76	48.66	23.311	7.9	-83	0.2	-0.4
07/23/04	10:00:52	27.84	44.689	47.111	28.8	0.14	2.1	73	48.69	23.318	7.92	-84	0.5	-0.4
07/23/04	10:30:52	27.96	45.595	48.177	29.45	-0.47	-7	76	48.72	23.331	8.02	-89.8	0.5	-0.4
07/23/04	11:00:52	27.86	48.807	51.478	31.79	-0.65	-9.8	73	48.73	23.299	8.03	-90.3	0	-0.5
07/23/04	11:30:52	27.83	50.997	53.754	33.4	-0.57	-8.8	73	48.76	23.288	8.02	-90.1	1.5	-0.4
07/23/04	12:00:52	27.82	50.028	52.727	32.68	-0.84	-12.9	74	48.78	23.314	8.02	-89.7	9	-0.4
07/23/04	12:30:52	27.87	50.267	53.018	32.86	-0.48	-7.4	71	48.79	23.316	8.02	-89.7	25	-0.4
07/23/04	13:00:52	27.51	49.873	52.269	32.58	-0.39	-5.9	73	48.78	23.312	8.03	-90.4	42.5	-0.4
07/23/04	13:30:52	27.68	49.581	52.122	32.36	-0.3	-4.6	76	48.77	23.31	8.05	-91.2	63.4	-0.5
07/23/04	14:00:52	27.53	47.093	49.373	30.55	-0.64	-9.6	76	48.77	23.344	8.08	-93.1	91	-0.4
07/23/04	14:30:52	27.41	47.79	49.989	31.06	-0.79	-11.8	77	48.74	23.314	8.07	-92.6	90.9	-0.4
07/23/04	15:00:52	27.36	44.089	46.073	28.39	-0.67	-9.9	73	48.73	23.349	8.06	-92.2	81.3	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/23/04	15:30:52	27.09	46.003	47.837	29.77	-0.67	-10	74	48.72	23.321	8.12	-95.5	158.1	-0.4
07/23/04	16:00:52	26.78	44.368	45.879	28.6	-0.69	-10.1	76	48.72	23.333	8.13	-95.8	193.9	-0.4
07/23/04	16:30:52	26.69	44.448	45.885	28.66	-0.97	-14.2	71	48.65	23.289	8.1	-93.9	218	-0.4
07/23/04	17:00:52	26.75	43.703	45.164	28.12	-0.99	-14.5	74	48.63	23.28	8.08	-93.1	225.1	-0.4
07/23/04	17:30:52	26.66	43.837	45.228	28.22	-0.99	-14.4	69	48.63	23.277	8.05	-91.1	97.2	-0.4
07/23/04	18:00:52	26.72	44.711	46.183	28.85	-1.02	-15	70	48.59	23.242	8.08	-93.3	235.6	-0.4
07/23/04	18:30:52	26.68	46.491	47.983	30.14	-1.12	-16.5	74	48.58	23.209	8.08	-93.1	245.9	-0.4
07/23/04	19:00:52	26.73	47.264	48.825	30.7	-1.38	-20.4	73	48.56	23.191	8.08	-92.9	242.7	-0.4
07/23/04	19:30:52	26.75	47.127	48.7	30.6	-1.36	-20.2	74	48.55	23.182	8.09	-93.7	230.1	-0.4
07/23/04	20:00:52	26.75	46.486	48.041	30.13	-1.34	-19.8	73	48.52	23.173	8.09	-93.3	220	-0.4
07/23/04	20:30:52	26.82	47.298	48.938	30.72	-1.4	-20.8	71	48.52	23.163	8.1	-94.4	197.6	-0.4
07/23/04	21:00:52	26.78	45.22	46.76	29.22	-1.48	-21.7	73	48.54	23.203	8.12	-95.5	178.5	-0.4
07/23/04	21:30:52	26.81	47.033	48.657	30.53	-1.39	-20.7	73	48.53	23.173	8.13	-95.9	155.2	-0.4
07/23/04	22:00:52	26.79	45.616	47.179	29.5	-1.51	-22.3	73	48.54	23.194	8.11	-94.9	135.1	-0.4
07/23/04	22:30:52	27.02	47.312	49.135	30.72	-1.23	-18.4	73	48.57	23.199	8.09	-93.6	80.1	-0.4
07/23/04	23:00:52	27.67	47.884	50.328	31.12	-1.21	-18.2	73	48.57	23.197	8.1	-94.5	91.6	-0.4
07/23/04	23:30:52	27.63	49.961	52.47	32.64	-1.25	-19	73	48.58	23.18	8.1	-94.2	65.5	-0.4
07/24/04	00:00:52	27.71	51.928	54.615	34.09	-1.08	-16.7	66	48.59	23.162	8.07	-92.8	47.4	-0.4
07/24/04	00:30:52	27.76	51.779	54.513	33.98	-0.94	-14.5	64	48.61	23.177	8.04	-90.8	17	-0.4
07/24/04	01:00:52	27.87	52.96	55.863	34.85	-0.91	-14.1	65	48.63	23.172	8.03	-90.5	3.7	-0.4
07/24/04	01:30:52	27.86	45.756	48.259	29.57	-0.95	-14.3	64	48.63	23.266	8.03	-90.6	0.2	-0.4
07/24/04	02:00:52	27.87	47.702	50.318	30.98	-0.9	-13.6	63	48.64	23.251	8.03	-90.5	0.4	-0.5
07/24/04	02:30:52	27.86	44.855	47.302	28.92	-0.87	-13.1	61	48.65	23.287	8.03	-90.2	0.1	-0.4
07/24/04	03:00:52	27.87	45.46	47.949	29.36	-0.72	-10.8	60	48.66	23.287	8.02	-89.7	0.3	-0.5
07/24/04	03:30:52	27.84	45.135	47.585	29.13	-0.75	-11.2	60	48.66	23.293	8.01	-89.4	0.2	-0.4
07/24/04	04:00:52	27.86	48.736	51.399	31.74	-0.61	-9.3	59	48.67	23.256	8	-88.9	0.4	-0.5
07/24/04	04:30:52	27.85	47.165	49.729	30.59	-0.61	-9.2	61	48.64	23.254	7.99	-88.3	0.6	-0.5
07/24/04	05:00:52	27.9	47.816	50.461	31.07	-0.58	-8.8	59	48.63	23.242	8	-88.8	0.6	-0.4
07/24/04	05:30:52	27.86	47.712	50.321	30.99	-0.45	-6.9	59	48.67	23.267	7.99	-88	0.1	-0.4
07/24/04	06:00:52	27.9	49.062	51.775	31.98	-0.47	-7.2	58	48.66	23.246	7.98	-87.6	0.5	-0.4
07/24/04	06:30:52	27.85	45.433	47.904	29.34	-0.33	-4.9	58	48.67	23.293	7.98	-87.5	0.5	-0.4
07/24/04	07:00:52	27.83	45.592	48.06	29.46	-0.31	-4.7	55	48.68	23.3	7.97	-86.8	0.1	-0.4
07/24/04	07:30:52	27.89	48.044	50.693	31.23	-0.15	-2.2	56	48.69	23.28	7.96	-86.2	0.7	-0.5
07/24/04	08:00:52	27.84	46.108	48.611	29.83	-0.08	-1.2	57	48.71	23.318	7.95	-85.6	0.4	-0.4
07/24/04	08:30:52	27.88	48.88	51.567	31.84	-0.04	-0.6	54	48.71	23.282	7.94	-85.4	0.7	-0.4
07/24/04	09:00:52	27.86	48.372	51.016	31.47	0.02	0.3	54	48.73	23.303	7.93	-84.8	0.5	-0.4
07/24/04	09:30:52	27.96	47.427	50.104	30.78	-0.6	-9	56	48.76	23.335	8.02	-89.9	0.5	-0.4
07/24/04	10:00:52	27.93	46.073	48.652	29.8	-0.67	-10.1	55	48.78	23.369	8.02	-90	0.4	-0.4
07/24/04	10:30:52	27.92	48.681	51.4	31.7	-0.68	-10.3	56	48.81	23.351	8.02	-90	0.6	-0.4
07/24/04	11:00:52	27.92	46.783	49.394	30.32	-0.66	-10	56	48.82	23.383	8.02	-90	0.5	-0.5
07/24/04	11:30:52	27.89	46.278	48.836	29.95	-0.62	-9.3	55	48.83	23.395	8.02	-89.8	1.6	-0.4
07/24/04	12:00:52	27.92	45.884	48.44	29.66	-0.56	-8.4	55	48.83	23.405	8.03	-90.2	9.6	-0.5
07/24/04	12:30:52	27.91	49.185	51.919	32.06	-0.59	-9	56	48.84	23.366	8.03	-90.5	24.5	-0.4
07/24/04	13:00:52	27.88	46.108	48.648	29.83	-0.62	-9.3	55	48.83	23.401	8.05	-91.8	41.5	-0.5
07/24/04	13:30:52	27.89	46.173	48.719	29.87	-0.59	-9	55	48.82	23.391	8.09	-93.6	63.9	-0.5
07/24/04	14:00:52	27.89	47.817	50.452	31.07	-0.56	-8.5	57	48.81	23.361	8.12	-95.3	85.1	-0.4
07/24/04	14:30:52	27.9	49.136	51.86	32.03	-0.76	-11.6	57	48.79	23.335	8.16	-97.8	107	-0.5
07/24/04	15:00:52	27.92	45.256	47.78	29.21	-0.83	-12.4	57	48.75	23.354	8.2	-100.2	131	-0.5
07/24/04	15:30:52	27.93	47.981	50.668	31.19	-0.84	-12.7	57	48.73	23.309	8.21	-100.7	155	-0.4
07/24/04	16:00:52	27.82	45.335	47.774	29.27	-0.94	-14.2	58	48.7	23.32	8.19	-99.5	157.5	-0.4
07/24/04	16:30:52	27.89	45.838	48.366	29.63	-1.08	-16.2	59	48.65	23.277	8.17	-98.2	173.4	-0.4
07/24/04	17:00:52	27.93	47.622	50.286	30.92	-1.03	-15.6	59	48.62	23.232	8.15	-97.3	219.3	-0.2
07/24/04	17:30:52	27.76	47.875	50.398	31.11	-1.22	-18.4	59	48.6	23.218	8.13	-96.1	226	-0.4
07/24/04	18:00:52	27.57	47.774	50.116	31.05	-1.54	-23.2	59	48.56	23.188	8.15	-97.3	243.3	-0.4
07/24/04	18:30:52	27.52	46.193	48.416	29.9	-1.64	-24.5	61	48.53	23.186	8.15	-97.3	239	-0.4
07/24/04	19:00:52	27.53	48.443	50.787	31.53	-1.92	-29	64	48.51	23.147	8.17	-98.5	258.8	-0.4
07/24/04	19:30:52	27.6	46.361	48.659	30.02	-1.55	-23.2	64	48.49	23.159	8.13	-96.1	80.7	-0.4
07/24/04	20:00:52	27.61	46.403	48.716	30.05	-1.91	-28.6	67	48.48	23.15	8.17	-98.1	237.2	-0.4
07/24/04	20:30:52	27.49	47.426	49.68	30.79	-1.45	-21.8	63	48.45	23.115	8.14	-96.4	145.5	-0.4
07/24/04	21:00:52	27.41	48.139	50.354	31.32	-1.27	-19.1	62	48.46	23.111	8.09	-93.6	59.7	-0.4
07/24/04	21:30:52	27.32	47.138	49.228	30.59	-1.74	-26	63	48.46	23.126	8.18	-98.6	168.3	-0.4
07/24/04	22:00:52	27.41	46.732	48.884	30.29	-1.76	-26.4	63	48.47	23.136	8.19	-99.7	150.6	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/24/04	22:30:52	27.53	46.623	48.879	30.21	-1.21	-18.2	61	48.48	23.15	8.09	-93.8	44	-0.4
07/24/04	23:00:52	27.63	48.002	50.418	31.21	-1.16	-17.5	58	48.49	23.139	8.09	-93.8	47.2	-0.4
07/24/04	23:30:52	27.63	47.053	49.412	30.52	-1.26	-19	58	48.53	23.175	8.11	-95	63.4	-0.4
07/25/04	00:00:52	27.64	46.362	48.7	30.02	-1.17	-17.5	57	48.55	23.199	8.08	-93	37.3	-0.4
07/25/04	00:30:52	27.66	47.438	49.848	30.8	-1.05	-15.8	57	48.57	23.202	8.05	-91.4	17.5	-0.4
07/25/04	01:00:52	27.69	46.047	48.41	29.79	-0.89	-13.3	57	48.61	23.248	8.03	-90.3	3.9	-0.4
07/25/04	01:30:52	27.75	50.013	52.636	32.68	-0.66	-10.1	57	48.64	23.216	8.02	-89.8	0.7	-0.4
07/25/04	02:00:52	27.81	48.806	51.428	31.79	-0.76	-11.5	55	48.67	23.252	8.02	-89.8	0.7	-0.4
07/25/04	02:30:52	27.73	47.732	50.219	31.01	-0.8	-12.2	54	48.69	23.282	8.03	-90.6	0.2	-0.4
07/25/04	03:00:52	27.72	50.412	53.03	32.97	-0.78	-11.9	54	48.71	23.259	8.02	-90	0.3	-0.4
07/25/04	03:30:52	27.69	47.914	50.377	31.14	-0.7	-10.6	54	48.73	23.304	8.02	-89.7	0.9	-0.4
07/25/04	04:00:52	27.61	47.969	50.363	31.19	-0.7	-10.6	53	48.74	23.311	8.03	-90.3	0.3	-0.4
07/25/04	04:30:52	27.62	47.667	50.055	30.97	-0.7	-10.5	54	48.75	23.321	8.02	-90	0.8	-0.4
07/25/04	05:00:52	27.62	47.462	49.837	30.82	-0.6	-9	53	48.76	23.331	8.01	-89.4	-0.1	-0.4
07/25/04	05:30:52	27.63	50.147	52.663	32.78	-0.59	-9	53	48.78	23.314	8.02	-90	0.2	-0.4
07/25/04	06:00:52	27.61	50.445	52.959	33	-0.57	-8.6	52	48.77	23.302	8.01	-88.9	0.3	-0.5
07/25/04	06:30:52	27.6	50.596	53.107	33.11	-0.52	-7.9	52	48.79	23.31	8	-88.8	0.3	-0.4
07/25/04	07:00:52	27.62	48.849	51.297	31.83	-0.47	-7.1	51	48.76	23.312	7.99	-88.3	0.7	-0.4
07/25/04	07:30:52	27.6	48.623	51.04	31.66	-0.36	-5.5	51	48.76	23.319	7.99	-88.1	0.3	-0.4
07/25/04	08:00:52	27.61	51.506	54.071	33.78	-0.27	-4.1	50	48.76	23.282	7.98	-87.5	0.4	-0.4
07/25/04	08:30:52	27.58	47.612	49.954	30.93	-0.21	-3.2	51	48.76	23.331	7.98	-87.2	0.6	-0.4
07/25/04	09:00:52	27.6	50.382	52.88	32.95	-0.23	-3.4	50	48.78	23.309	7.97	-87.2	0.3	-0.4
07/25/04	09:30:52	27.63	51.605	54.202	33.85	-0.28	-4.2	50	48.79	23.298	7.98	-87.5	0.8	-0.4
07/25/04	10:00:52	27.53	50.223	52.646	32.84	-0.73	-11.1	52	48.77	23.306	8.05	-91.2	0.4	-0.4
07/25/04	10:30:52	27.61	49.964	52.458	32.64	-0.8	-12.2	53	48.78	23.317	8.05	-91.7	0.4	-0.2
07/25/04	11:00:52	27.59	55.879	58.638	37.03	-0.72	-11.2	52	48.78	23.241	8.03	-90.6	0.5	-0.4
07/25/04	11:30:52	27.43	47.846	50.067	31.1	-0.76	-11.5	52	48.78	23.341	8.04	-91.1	1	-0.4
07/25/04	12:00:52	27.16	50.321	52.401	32.92	-0.88	-13.3	52	48.78	23.308	8.06	-91.9	8.9	-0.4
07/25/04	12:30:52	27.19	47.743	49.743	31.03	-0.88	-13.2	53	48.78	23.336	8.07	-92.3	23.1	-0.4
07/25/04	13:00:52	27.26	48.613	50.715	31.66	-0.92	-13.9	52	48.74	23.303	8.09	-93.6	40.5	-0.4
07/25/04	13:30:52	27.29	49.586	51.751	32.38	-0.97	-14.6	53	48.73	23.282	8.13	-95.9	61.5	-0.4
07/25/04	14:00:52	27.33	50.292	52.531	32.89	-1.08	-16.3	54	48.71	23.259	8.17	-98.4	89.1	-0.4
07/25/04	14:30:52	27.34	47.879	50.016	31.13	-1.13	-17	54	48.7	23.28	8.22	-101	109.7	-0.4
07/25/04	15:00:52	27.35	49.69	51.916	32.45	-1.22	-18.4	55	48.65	23.227	8.18	-98.8	91	-0.5
07/25/04	15:30:52	27.34	49.68	51.899	32.44	-1.43	-21.6	55	48.61	23.202	8.25	-102.8	168.5	-0.4
07/25/04	16:00:52	27.34	49.081	51.271	32.01	-1.32	-20	55	48.57	23.176	8.23	-101.9	189.2	-0.4
07/25/04	16:30:52	27.32	48.471	50.617	31.56	-1.56	-23.5	56	48.52	23.152	8.24	-102.4	210	-0.4
07/25/04	17:00:52	27.39	50.19	52.484	32.82	-1.8	-27.4	57	48.48	23.104	8.25	-102.7	233.4	-0.4
07/25/04	17:30:52	27.48	51.612	54.053	33.86	-1.94	-29.6	57	48.45	23.064	8.24	-102.1	245.5	-0.4
07/25/04	18:00:52	27.62	48.351	50.77	31.46	-1.83	-27.7	57	48.4	23.072	8.21	-100.3	253.9	-0.4
07/25/04	18:30:52	27.69	47.061	49.478	30.52	-1.58	-23.8	56	48.35	23.056	8.19	-99.6	254.9	-0.4
07/25/04	19:00:52	27.71	49.599	52.165	32.37	-1.89	-28.8	56	48.34	23.017	8.2	-99.9	272.6	-0.5
07/25/04	19:30:52	27.71	49.897	52.477	32.59	-1.77	-26.9	56	48.29	22.98	8.21	-100.6	263.3	-0.4
07/25/04	20:00:52	27.71	47.372	49.819	30.75	-2.27	-34.2	57	48.26	22.986	8.22	-101.3	239.4	-0.4
07/25/04	20:30:52	27.72	48.736	51.271	31.74	-2.2	-33.4	58	48.26	22.971	8.24	-102.2	185	-0.4
07/25/04	21:00:52	27.84	51.23	54.012	33.57	-1.74	-26.7	56	48.25	22.937	8.2	-99.9	122.3	-0.5
07/25/04	21:30:52	27.76	49.937	52.572	32.62	-1.78	-27.2	56	48.26	22.957	8.18	-98.9	119.6	-0.4
07/25/04	22:00:52	27.73	47.528	50.01	30.86	-2.16	-32.6	57	48.26	22.987	8.2	-100.3	146.1	-0.4
07/25/04	22:30:52	27.75	50.47	53.116	33.01	-1.88	-28.7	56	48.29	22.969	8.2	-99.9	111.6	-0.4
07/25/04	23:00:52	27.75	50.907	53.583	33.33	-1.64	-25.2	55	48.32	22.986	8.17	-98.3	85.7	-0.5
07/25/04	23:30:52	27.73	50.647	53.288	33.14	-1.39	-21.2	55	48.35	23.01	8.12	-95.6	56.5	-0.4
07/26/04	00:00:52	27.65	48.79	51.264	31.78	-1.18	-17.9	54	48.4	23.066	8.09	-94	33.8	-0.4
07/26/04	00:30:52	27.65	48.653	51.115	31.68	-0.95	-14.5	53	48.45	23.101	8.07	-92.6	15.8	-0.4
07/26/04	01:00:52	27.63	47.692	50.086	30.98	-0.75	-11.3	52	48.52	23.167	8.05	-91.6	3.1	-0.4
07/26/04	01:30:52	27.64	50.015	52.541	32.68	-0.74	-11.2	52	48.52	23.136	8.05	-91.7	0.3	-0.4
07/26/04	02:00:52	27.64	50.383	52.928	32.95	-0.61	-9.3	51	48.61	23.191	8.05	-91.4	0.3	-0.4
07/26/04	02:30:52	27.64	50.9	53.471	33.33	-0.61	-9.4	51	48.63	23.2	8.05	-91.3	0.4	-0.4
07/26/04	03:00:52	27.66	48.925	51.41	31.88	-0.52	-7.9	51	48.72	23.284	8.05	-91.2	0.1	-0.5
07/26/04	03:30:52	27.66	50.54	53.107	33.07	-0.41	-6.2	51	48.72	23.269	8.03	-90.5	0.5	-0.4
07/26/04	04:00:52	27.65	51.631	54.24	33.87	-0.47	-7.1	50	48.71	23.248	8.04	-90.9	0.5	-0.4
07/26/04	04:30:52	27.65	51.03	53.616	33.43	-0.34	-5.3	50	48.78	23.299	8.03	-90.1	0.3	-0.4
07/26/04	05:00:52	27.61	47.949	50.335	31.17	-0.29	-4.3	50	48.79	23.349	8.02	-89.8	0.2	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/26/04	05:30:52	27.62	47.586	49.967	30.91	-0.24	-3.6	50	48.83	23.375	8.02	-89.8	0	-0.5
07/26/04	06:00:52	27.5	49.439	51.796	32.26	-0.27	-4.2	50	48.82	23.349	8.01	-89	0.4	-0.4
07/26/04	06:30:52	27.41	48.039	50.252	31.24	-0.12	-1.8	50	48.79	23.345	8	-88.6	0.2	-0.5
07/26/04	07:00:52	27.31	48.948	51.104	31.91	-0.14	-2	50	48.82	23.354	8	-88.5	0.2	-0.5
07/26/04	07:30:52	27.23	48.281	50.337	31.42	-0.04	-0.7	49	48.86	23.385	8	-88.4	0.1	-0.4
07/26/04	08:00:52	27.25	47.388	49.424	30.77	-0.02	-0.2	49	48.81	23.362	7.99	-88	-0.1	-0.5
07/26/04	08:30:52	27.27	50.224	52.401	32.84	0.12	1.8	49	48.83	23.346	7.98	-87.5	0.5	-0.4
07/26/04	09:00:52	27.29	50.406	52.614	32.98	0.09	1.4	49	48.85	23.357	7.98	-87.5	0.7	-0.4
07/26/04	09:30:52	27.27	48.688	50.796	31.72	0.23	3.4	49	48.85	23.375	7.96	-86.4	0.6	-0.4
07/26/04	10:00:52	27.25	50.657	52.835	33.16	0.24	3.6	49	48.84	23.343	7.97	-86.7	0.6	-0.5
07/26/04	10:30:52	27.26	48.735	50.84	31.75	0.33	5	49	48.83	23.361	7.96	-86.4	-0	-0.4
07/26/04	11:00:52	27.27	48.651	50.765	31.69	0.37	5.6	48	48.82	23.359	7.96	-86.1	0.4	-0.4
07/26/04	11:30:52	27.42	49.302	51.581	32.16	-0.22	-3.3	51	48.83	23.356	8.04	-90.9	1.5	-0.4
07/26/04	12:00:52	27.4	49.041	51.294	31.97	-0.27	-4.1	51	48.78	23.326	8.05	-91.7	3.5	-0.3
07/26/04	12:30:52	27.41	49.788	52.08	32.52	-0.33	-5	51	48.8	23.327	8.07	-92.3	7.6	-0.4
07/26/04	13:00:52	27.45	50.854	53.23	33.3	-0.29	-4.4	50	48.76	23.287	8.06	-92.3	14.5	-0.4
07/26/04	13:30:52	27.42	49.998	52.313	32.67	-0.15	-2.3	50	48.78	23.314	8.05	-91.6	22.9	-0.4
07/26/04	14:00:52	27.42	48.499	50.736	31.58	-0.39	-5.8	51	48.74	23.302	8.13	-95.9	71	-0.4
07/26/04	14:30:52	27.43	50.3	52.632	32.9	-0.46	-6.9	51	48.69	23.245	8.19	-99.5	118.3	-0.4
07/26/04	15:00:52	27.39	49.212	51.462	32.1	-0.56	-8.5	51	48.66	23.237	8.21	-100.3	141.8	-0.4
07/26/04	15:30:52	27.37	49.619	51.862	32.4	-0.64	-9.7	51	48.62	23.205	8.21	-100.6	170.3	-0.4
07/26/04	16:00:52	27.35	49.258	51.468	32.13	-0.8	-12.1	51	48.55	23.165	8.2	-100.2	192.3	-0.5
07/26/04	16:30:52	27.33	48.381	50.53	31.49	-0.81	-12.1	52	48.52	23.151	8.17	-98	182.3	-0.4
07/26/04	17:00:52	27.31	49.331	51.508	32.19	-1.11	-16.7	52	48.47	23.104	8.17	-98.1	168.7	-0.4
07/26/04	17:30:52	27.34	48.6	50.768	31.65	-1.09	-16.4	52	48.4	23.068	8.14	-96.7	145.8	-0.5
07/26/04	18:00:52	27.35	47.308	49.434	30.71	-1.41	-21.2	53	48.36	23.054	8.18	-98.7	207.7	-0.4
07/26/04	18:30:52	27.39	47.72	49.899	31.01	-1.24	-18.7	53	48.3	23.01	8.17	-98.4	173.7	-0.4
07/26/04	19:00:52	27.42	48.982	51.244	31.93	-1.15	-17.5	53	48.24	22.951	8.16	-97.5	126.9	-0.4
07/26/04	19:30:52	27.45	46.466	48.64	30.1	-1.29	-19.3	53	48.21	22.964	8.17	-98.4	148.4	-0.5
07/26/04	20:00:52	27.49	49.6	51.962	32.38	-1.37	-20.8	53	48.19	22.908	8.19	-99.3	148.6	-0.4
07/26/04	20:30:52	27.48	47.067	49.301	30.53	-1.62	-24.3	54	48.15	22.913	8.21	-100.5	196.8	-0.2
07/26/04	21:00:52	27.51	49.172	51.528	32.07	-1.6	-24.3	54	48.11	22.862	8.22	-101	179.1	-0
07/26/04	21:30:52	27.53	49.606	51.999	32.38	-1.63	-24.7	54	48.12	22.864	8.21	-100.5	151.4	-0
07/26/04	22:00:52	27.55	49.497	51.903	32.3	-1.63	-24.8	54	48.12	22.861	8.2	-99.8	113.6	-0.2
07/26/04	22:30:52	27.58	49.217	51.638	32.1	-1.48	-22.4	53	48.12	22.87	8.19	-99.3	75	-0.4
07/26/04	23:00:52	27.57	49.592	52.026	32.37	-1.32	-20.1	53	48.15	22.883	8.18	-98.6	66.3	-0.4
07/26/04	23:30:52	27.59	49.814	52.279	32.53	-1.14	-17.3	53	48.16	22.89	8.13	-96	42.1	-0.4
07/27/04	00:00:52	27.59	48.913	51.328	31.88	-1.03	-15.6	52	48.23	22.95	8.1	-94.2	17.4	-0.4
07/27/04	00:30:52	27.59	49.071	51.496	31.99	-0.91	-13.7	52	48.29	22.984	8.08	-93.1	7.4	-0.4
07/27/04	01:00:52	27.59	47.466	49.813	30.82	-0.74	-11.2	51	48.34	23.042	8.06	-92.1	2.9	-0.4
07/27/04	01:30:52	27.67	49.74	52.273	32.48	-0.58	-8.8	51	48.41	23.065	8.06	-92.3	0.6	-0.4
07/27/04	02:00:52	27.71	48.744	51.265	31.75	-0.55	-8.4	51	48.47	23.119	8.07	-92.7	0.6	-0.5
07/27/04	02:30:52	27.7	48.681	51.192	31.7	-0.53	-8	51	48.55	23.172	8.08	-93	0.1	-0.5
07/27/04	03:00:52	27.67	48.771	51.263	31.77	-0.55	-8.4	51	48.62	23.219	8.08	-93.2	0.6	-0.5
07/27/04	03:30:52	27.65	49.152	51.638	32.05	-0.5	-7.6	51	48.69	23.26	8.08	-93	0.3	-0.5
07/27/04	04:00:52	27.62	47.547	49.93	30.88	-0.53	-7.9	51	48.74	23.32	8.08	-93	0.8	-0.5
07/27/04	04:30:52	27.59	79.461	83.385	55.39	-0.42	-7.2	51	48.8	22.94	8.07	-92.8	0.5	-0.5
07/27/04	05:00:52	27.51	79.446	83.256	55.38	-0.38	-6.5	51	48.86	22.979	8.07	-92.7	0.6	-0.4
07/27/04	05:30:52	27.3	81.069	84.635	56.71	-0.36	-6.3	51	48.89	22.978	8.06	-92.2	-1.2	-0.4
07/27/04	06:00:52	27.4	81.446	85.18	57.01	-0.34	-5.9	51	48.92	22.996	8.08	-93.1	0.6	-0.4
07/27/04	06:30:52	27.32	82.787	86.449	58.11	-0.33	-5.7	51	48.95	22.995	8.07	-92.8	0.3	-0.5
07/27/04	07:00:52	27.31	84.355	88.078	59.4	-0.24	-4.2	51	48.96	22.981	8.07	-92.4	0.6	-0.4
07/27/04	07:30:52	27.29	84.44	88.127	59.47	-0.26	-4.5	50	48.97	22.987	8.06	-92.2	0.4	-0.5
07/27/04	08:00:52	27.29	84.055	87.732	59.15	-0.17	-2.9	50	48.98	22.999	8.05	-91.4	0.6	-0.5
07/27/04	08:30:52	27.28	84.028	87.695	59.13	-0.17	-3	50	48.98	23	8.05	-91.4	0.1	-0.4
07/27/04	09:00:52	27.25	84.222	87.846	59.29	-0.07	-1.2	49	48.99	23	8.04	-90.8	0.3	-0.5
07/27/04	09:30:52	27.21	85.972	89.605	60.73	-0.11	-2	50	48.99	22.973	8.04	-90.9	-0.5	-0.4
07/27/04	10:00:52	27.2	84.539	88.084	59.55	-0.1	-1.8	50	48.98	22.989	8.04	-90.9	0.2	-0.5
07/27/04	10:30:52	27.16	86.997	90.592	61.58	0.01	0.1	50	48.96	22.941	8.02	-89.8	0.2	-0.5
07/27/04	11:00:52	27.21	85.341	88.936	60.21	0.07	1.3	49	48.95	22.958	8.01	-89.4	0.3	-0.4
07/27/04	11:30:52	27.24	85.232	88.885	60.12	0.12	2.2	49	48.93	22.948	8.01	-89.3	0.9	-0.4
07/27/04	12:00:52	27.22	85.017	88.625	59.94	0.12	2.2	49	48.92	22.942	8.01	-89.4	5.6	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/27/04	12:30:52	27.26	87.021	90.771	61.6	0.04	0.8	50	48.93	22.921	8.02	-89.8	11.2	-0.4
07/27/04	13:00:52	27.21	86.28	89.928	60.99	0.04	0.7	49	48.9	22.908	8.03	-90.2	14	-0.4
07/27/04	13:30:52	27.25	86.265	89.967	60.97	-0.02	-0.3	49	48.87	22.89	8.04	-90.7	19.2	-0.5
07/27/04	14:00:52	27.23	86.957	90.664	61.55	-0.06	-1	50	48.85	22.865	8.04	-91	25.2	-0.4
07/27/04	14:30:52	27.27	88.522	92.355	62.85	-0.09	-1.6	50	48.81	22.82	8.08	-93.1	47.1	-0.5
07/27/04	15:00:52	27.29	89.965	93.895	64.05	-0.27	-4.9	50	48.78	22.78	8.22	-101.4	132.5	-0.4
07/27/04	15:30:52	27.3	89.095	93.016	63.32	-0.51	-9.2	51	48.72	22.753	8.26	-103.5	157	-0.4
07/27/04	16:00:52	27.33	90.345	94.363	64.37	-0.66	-11.9	52	48.66	22.695	8.27	-104.2	176.7	-0.4
07/27/04	16:30:52	27.33	88.885	92.842	63.15	-0.81	-14.5	52	48.6	22.674	8.23	-101.9	197.2	-0.5
07/27/04	17:00:52	27.36	90.067	94.119	64.14	-0.81	-14.7	52	48.55	22.625	8.21	-100.3	192.3	-0.4
07/27/04	17:30:52	27.39	89.312	93.393	63.5	-0.96	-17.3	53	48.47	22.583	8.2	-99.9	213.3	-0.4
07/27/04	18:00:52	27.41	90.138	94.281	64.19	-1.25	-22.6	54	48.41	22.529	8.21	-100.3	216.8	-0.4
07/27/04	18:30:52	27.48	89.824	94.074	63.93	-1.23	-22.2	53	48.35	22.491	8.2	-100.1	216.7	-0.4
07/27/04	19:00:52	27.47	90.014	94.256	64.09	-1.54	-27.9	55	48.27	22.439	8.22	-101	220.1	-0.4
07/27/04	19:30:52	27.49	91.106	95.434	65	-1.63	-29.7	55	48.22	22.387	8.23	-101.6	208.9	-0.4
07/27/04	20:00:52	27.5	92.48	96.902	66.16	-1.46	-26.8	54	48.13	22.311	8.21	-100.8	196.2	-0.4
07/27/04	20:30:52	27.48	93.164	97.578	66.74	-1.53	-28.1	55	48.1	22.277	8.23	-101.9	177.2	-0.4
07/27/04	21:00:52	27.53	91.136	95.537	65.03	-1.5	-27.3	54	48.06	22.282	8.24	-102.2	160.4	-0.4
07/27/04	21:30:52	28.01	88.995	94.119	63.21	27.52	500	99	48.03	22.294	8.35	-108.6	133.2	6.9
07/27/04	22:00:52	28.06	89.236	94.457	63.41	27.47	500	99	48.02	22.284	8.32	-106.8	116.5	-0.4
07/27/04	22:30:52	28.03	89.698	94.891	63.8	27.43	500	99	48.02	22.275	8.31	-106.3	92.6	-0.4
07/27/04	23:00:52	27.88	90.625	95.604	64.58	27.37	500	100	48.02	22.264	8.25	-103.1	62.1	-0.4
07/27/04	23:30:52	28.03	91.494	96.797	65.31	27.19	500	99	48.04	22.264	8.21	-100.8	47.9	-0.4
07/28/04	00:00:52	27.96	91.976	97.18	65.72	27.16	500	99	48.08	22.283	8.22	-101	27.7	-0.4
07/28/04	00:30:52	28.01	94.579	100.008	67.92	26.81	500	100	48.11	22.27	8.16	-97.8	12.8	-0.4
07/28/04	01:00:52	27.82	96.523	101.725	69.58	8.95	168	100	48.19	22.292	8.11	-94.7	3.2	-0.4
07/28/04	01:30:52	27.88	96.94	102.266	69.94	4.31	81	100	48.24	22.325	8.12	-95.5	1.9	-0.4
07/28/04	02:00:52	27.79	97.5	102.689	70.42	1.67	31.5	99	48.32	22.368	8.12	-95.6	-0.8	-0.4
07/28/04	02:30:52	27.76	98.913	104.119	71.64	0.05	1	100	48.4	22.404	8.08	-93.4	0.2	-0.4
07/28/04	03:00:52	27.68	99.798	104.898	72.4	2.38	45.4	99	48.49	22.451	8.06	-92.1	0.5	-0.4
07/28/04	03:30:52	27.69	100.96	106.148	73.41	-0.22	-4.1	99	48.58	22.489	8.07	-92.4	0.6	-0.4
07/28/04	04:00:52	27.77	100.61	105.932	73.1	0.03	0.7	99	48.65	22.548	8.01	-89.2	0.7	-0.4
07/28/04	04:30:52	27.75	103.019	108.439	75.2	-0.32	-6.2	99	48.73	22.563	8.06	-91.9	0.5	-0.5
07/28/04	05:00:52	27.72	102.085	107.379	74.39	-0.63	-12.1	100	48.81	22.627	8.07	-92.6	0.5	-0.5
07/28/04	05:30:52	27.7	105.536	110.971	77.41	-0.32	-6.3	99	48.87	22.619	8.06	-92.2	0.6	-0.5
07/28/04	06:00:52	27.69	102.863	108.148	75.07	-0.63	-12.3	99	48.91	22.685	8.05	-91.8	0.3	-0.4
07/28/04	06:30:52	27.66	105.354	110.701	77.25	-0.18	-3.5	98	48.95	22.677	8.05	-91.3	0.4	-0.5
07/28/04	07:00:52	27.67	105.096	110.449	77.03	-0.38	-7.3	97	48.98	22.697	8.04	-91.1	0.2	-0.5
07/28/04	07:30:52	27.63	113.228	118.92	84.27	-0.28	-5.6	97	49.01	22.598	8.02	-90	0.1	-0.5
07/28/04	08:00:52	27.63	114.701	120.471	85.61	-0.15	-3	99	49	22.572	8.02	-89.7	0.2	-0.5
07/28/04	08:30:52	27.62	114.785	120.527	85.69	-0.3	-6	96	49.03	22.585	8.02	-89.6	0.1	-0.5
07/28/04	09:00:52	27.61	115.815	121.594	86.62	-0.1	-2	96	49.04	22.576	8	-88.7	0.2	-0.5
07/28/04	09:30:52	27.59	116.354	122.111	87.11	-0.12	-2.5	96	49.03	22.563	7.99	-88.1	0.6	-0.4
07/28/04	10:00:52	27.6	117.611	123.443	88.26	-0.1	-2.1	98	49.02	22.535	7.99	-88.1	0.6	-0.5
07/28/04	10:30:52	27.6	119.064	124.982	89.6	0.05	1.1	99	49.02	22.519	7.99	-87.9	0.2	-0.5
07/28/04	11:00:52	27.61	119.169	125.111	89.69	0.05	1.1	99	49	22.498	7.98	-87.3	0.9	-0.5
07/28/04	11:30:52	27.56	118.982	124.797	89.52	0.08	1.7	99	48.99	22.496	7.97	-87	1.3	-0.5
07/28/04	12:00:52	27.56	118.904	124.709	89.45	0.01	0.1	99	48.97	22.487	7.98	-87.3	8.7	-0.5
07/28/04	12:30:52	27.43	119.794	125.357	90.28	-0.02	-0.4	100	48.96	22.466	8.03	-90.5	20.5	-0.5
07/28/04	13:00:52	27.21	121.348	126.479	91.72	-0.49	-10.3	99	48.94	22.424	8.09	-93.8	34.8	-0.4
07/28/04	13:30:52	27.13	121.064	125.994	91.46	-0.3	-6.3	99	48.92	22.418	8.14	-96.7	53.5	-0.5
07/28/04	14:00:52	27.08	124.575	129.52	94.74	-0.59	-12.6	99	48.88	22.336	8.2	-100	70.7	-0.4
07/28/04	14:30:52	27.11	121.374	126.262	91.75	-0.81	-17.1	99	48.84	22.36	8.25	-102.8	89.6	-0.5
07/28/04	15:00:52	27.13	122.872	127.871	93.14	-0.69	-14.6	99	48.81	22.313	8.3	-105.3	112.1	-0.4
07/28/04	15:30:52	27.13	124.358	129.406	94.53	-1	-21.4	99	48.75	22.256	8.3	-105.7	136	-0.4
07/28/04	16:00:52	27.13	124.799	129.879	94.95	-0.99	-21.1	99	48.71	22.222	8.22	-101.3	133.2	-0.4
07/28/04	16:30:52	27.19	124.319	129.512	94.49	-0.88	-18.7	99	48.66	22.192	8.29	-105.1	172.5	-0.4
07/28/04	17:00:52	27.18	126.349	131.617	96.4	-0.94	-20.3	99	48.59	22.12	8.27	-104.2	173.4	-0.4
07/28/04	17:30:52	27.2	125.791	131.074	95.88	-1.1	-23.8	99	48.51	22.076	8.26	-103.1	193	-0.4
07/28/04	18:00:52	27.25	127.075	132.527	97.08	-1.25	-27.1	99	48.44	22.007	8.26	-103.2	208.4	-0.4
07/28/04	18:30:52	27.29	127.169	132.734	97.17	-1.47	-31.9	99	48.38	21.967	8.26	-103.6	208.6	-0.4
07/28/04	19:00:52	27.34	126.749	132.402	96.77	-1.91	-41.5	99	48.3	21.922	8.28	-104.6	212.2	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/28/04	19:30:52	27.42	126.884	132.738	96.9	-1.74	-37.8	99	48.24	21.878	8.3	-105.5	212.5	-0.4
07/28/04	20:00:52	27.47	128.098	134.137	98.04	-1.19	-26	99	48.16	21.807	8.29	-105	197.9	-0.2
07/28/04	20:30:52	27.52	129.226	135.441	99.11	-1.81	-39.8	99	48.09	21.745	8.35	-108.4	187.6	-0.4
07/28/04	21:00:52	27.47	129.33	135.434	99.22	-1.31	-29	99	48.03	21.707	8.32	-107.1	169.1	-0.5
07/28/04	21:30:52	27.38	129.79	135.699	99.66	-1.14	-25.2	99	48	21.675	8.31	-106	151.7	-0.4
07/28/04	22:00:52	27.38	130.037	135.953	99.89	-1.42	-31.3	100	47.95	21.643	8.32	-106.8	125.4	-0.5
07/28/04	22:30:52	27.37	129.179	135.035	99.07	-1.33	-29.2	99	47.92	21.631	8.33	-107.5	104.8	-0.5
07/28/04	23:00:52	27.45	129.39	135.438	99.27	-1.21	-26.7	99	47.9	21.619	8.28	-104.5	79.2	-0.4
07/28/04	23:30:52	27.44	129.7	135.734	99.57	-1.13	-25	99	47.89	21.61	8.23	-101.9	54.8	-0.4
07/29/04	00:00:52	27.45	130.951	137.082	100.76	-0.98	-21.7	98	47.9	21.598	8.17	-98.6	32.6	-0.4
07/29/04	00:30:52	27.48	132.598	138.883	102.34	-0.9	-20.1	98	47.93	21.591	8.13	-95.8	12.5	-0.4
07/29/04	01:00:52	27.42	131.899	138.004	101.67	-0.83	-18.6	96	47.98	21.631	8.09	-93.8	2.4	-0.4
07/29/04	01:30:52	27.41	132.629	138.73	102.38	-0.72	-16.2	94	48.05	21.667	8.07	-92.8	0.5	-0.4
07/29/04	02:00:52	27.37	133.333	139.359	103.06	-0.74	-16.7	95	48.12	21.701	8.08	-93.1	1.4	-0.4
07/29/04	02:30:52	27.39	133.529	139.625	103.24	-0.82	-18.4	96	48.19	21.744	8.1	-94.4	-0.1	-0.5
07/29/04	03:00:52	27.37	132.693	138.711	102.44	-0.8	-18	94	48.29	21.821	8.1	-94.1	-0.8	-0.4
07/29/04	03:30:52	27.28	136.47	142.418	106.1	-0.84	-19.1	94	48.38	21.824	8.11	-94.7	0.9	-0.4
07/29/04	04:00:52	27.31	133.7	139.598	103.41	-0.88	-19.8	93	48.48	21.93	8.11	-94.7	0.3	-0.4
07/29/04	04:30:52	27.33	130.81	136.621	100.63	-0.83	-18.4	92	48.58	22.04	8.1	-94.4	0.4	-0.3
07/29/04	05:00:52	27.37	131.19	137.133	100.99	-0.89	-19.8	91	48.67	22.097	8.09	-94	0.5	-0.5
07/29/04	05:30:52	27.32	131.081	136.891	100.89	-0.84	-18.7	92	48.76	22.155	8.1	-94.1	0.3	-0.4
07/29/04	06:00:52	26.92	131.345	136.156	101.16	-0.64	-14.2	88	48.83	22.196	8.03	-90.4	0.5	-0.4
07/29/04	06:30:52	26.46	130.688	134.328	100.55	-0.75	-16.3	88	48.9	22.247	8.05	-91	0.5	-0.5
07/29/04	07:00:52	26.31	132.836	136.164	102.61	-0.78	-17.2	86	48.95	22.248	8.05	-91.1	0.2	-0.4
07/29/04	07:30:52	26.16	133.021	135.977	102.79	-0.74	-16.4	86	49	22.272	8.05	-91.4	0.2	12.5
07/29/04	08:00:52	26.04	132.518	135.156	102.31	-0.64	-14.2	88	49.05	22.311	8.06	-91.5	0.1	-0.4
07/29/04	08:30:52	25.91	130.937	133.219	100.8	-0.95	-20.6	86	49.08	22.354	8.11	-94.5	0.2	-0.4
07/29/04	09:00:52	25.91	133.728	136.059	103.48	-0.98	-21.7	84	49.08	22.31	8.1	-94.2	0.3	-0.4
07/29/04	09:30:52	25.92	134.044	136.395	103.79	-0.76	-16.7	86	49.09	22.317	8.1	-93.8	0.5	-0.4
07/29/04	10:00:52	25.88	134.05	136.309	103.79	-0.75	-16.5	86	49.09	22.314	8.09	-93.3	0.7	-0.1
07/29/04	10:30:52	25.84	132.886	135.012	102.67	-0.8	-17.5	84	49.09	22.335	8.08	-93.1	0.6	-0.4
07/29/04	11:00:52	25.86	134.184	136.387	103.92	-0.81	-18	84	49.09	22.311	8.07	-92.5	0.5	-0.5
07/29/04	11:30:52	25.81	134.79	136.887	104.51	-0.7	-15.6	83	49.1	22.306	8.07	-92.1	1.5	-0.4
07/29/04	12:00:52	25.83	134.555	136.684	104.28	-0.72	-15.9	83	49.08	22.298	8.07	-92.3	5.5	-0.4
07/29/04	12:30:52	25.85	135.907	138.121	105.6	-0.73	-16.3	83	49.05	22.259	8.08	-93	11.1	-0.4
07/29/04	13:00:52	25.86	136.134	138.363	105.82	-0.74	-16.5	84	49.03	22.239	8.17	-97.9	41.3	-0.4
07/29/04	13:30:52	25.88	136.984	139.285	106.64	-0.84	-18.8	86	49	22.209	8.19	-98.9	31.5	-0.4
07/29/04	14:00:52	25.91	137.224	139.613	106.88	-0.78	-17.6	88	48.99	22.199	8.17	-98.2	76.5	-0.4
07/29/04	14:30:52	25.93	137.541	139.988	107.19	-0.72	-16.2	88	48.96	22.175	8.32	-106.6	92.6	-0.4
07/29/04	15:00:52	25.97	138.616	141.18	108.24	-0.78	-17.6	90	48.93	22.137	8.36	-108.9	113.9	-0.4
07/29/04	15:30:52	26.04	138.873	141.621	108.49	-0.84	-19.1	91	48.9	22.111	8.39	-110.6	130.5	-0.4
07/29/04	16:00:52	26.05	137.359	140.102	107.01	-0.89	-20	91	48.83	22.093	8.35	-108.2	153.6	-0.4
07/29/04	16:30:52	26.05	137.369	140.133	107.02	-0.97	-21.9	93	48.78	22.06	8.26	-102.8	182.6	-0.4
07/29/04	17:00:52	26.17	137.935	141.02	107.57	-0.99	-22.4	93	48.72	22.015	8.21	-100.4	107	-0.4
07/29/04	17:30:52	25.89	140.242	142.637	109.84	-1.01	-23.1	95	48.67	21.942	8.25	-102.5	238.9	-0.3
07/29/04	18:00:52	25.79	138.089	140.16	107.73	-1.14	-25.7	98	48.59	21.921	8.24	-102	207.9	8.9
07/29/04	18:30:52	25.71	136.947	138.793	106.61	-1.22	-27.3	97	48.53	21.902	8.22	-101	226	9.4
07/29/04	19:00:52	25.7	137.457	139.293	107.11	-1.2	-27	99	48.45	21.837	8.26	-102.7	217.9	-0.4
07/29/04	19:30:52	25.75	138.401	140.375	108.03	-1.2	-27.1	99	48.33	21.75	8.26	-102.7	217	-0.4
07/29/04	20:00:52	25.68	138.502	140.293	108.13	-1.14	-25.7	99	48.25	21.692	8.26	-102.9	205.1	-0.4
07/29/04	20:30:52	25.69	139.638	141.469	109.25	-1.27	-28.8	99	48.17	21.625	8.26	-102.9	193.1	-0.4
07/29/04	21:00:52	25.71	141.601	143.512	111.19	-1.24	-28.4	99	48.09	21.538	8.28	-104	170.9	-0.4
07/29/04	21:30:52	25.72	139.812	141.723	109.42	-1.11	-25.2	99	48.01	21.517	8.26	-103.1	149.3	-0.4
07/29/04	22:00:52	25.75	139.08	141.066	108.7	-1.18	-26.9	99	47.94	21.479	8.29	-104.5	124.7	-0.4
07/29/04	22:30:52	25.79	140.118	142.227	109.72	-1.21	-27.7	99	47.89	21.431	8.24	-102.1	99.5	-0.4
07/29/04	23:00:52	25.81	140.34	142.523	109.94	-1.14	-26.1	99	47.83	21.394	8.25	-102.3	76.3	-0.4
07/29/04	23:30:52	25.83	140.957	143.191	110.55	-0.93	-21.2	99	47.8	21.364	8.18	-98.8	33.6	1.2
07/30/04	00:00:52	25.85	140.519	142.801	110.12	-1.06	-24.2	99	47.79	21.361	8.19	-99	31.1	-0.4
07/30/04	00:30:52	25.86	141.032	143.34	110.62	-1.04	-23.9	99	47.78	21.348	8.16	-97.5	13.5	-0.4
07/30/04	01:00:52	25.97	141.9	144.527	111.48	-1.06	-24.5	99	47.82	21.36	8.14	-96.3	2.7	-0.4
07/30/04	01:30:52	26.22	141.884	145.195	111.46	-0.7	-16.2	100	47.85	21.38	8.12	-95.3	0.4	-0.4
07/30/04	02:00:52	26.22	142.413	145.727	111.98	-0.75	-17.5	99	47.9	21.409	8.12	-95.3	-0.1	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
07/30/04	02:30:52	26.22	143.484	146.84	113.05	-0.81	-19	99	47.96	21.43	8.12	-95.2	0.5	-0.4
07/30/04	03:00:52	26.24	142.813	146.203	112.38	-0.72	-16.7	99	48.03	21.486	8.11	-94.7	0.2	-0.4
07/30/04	03:30:52	26.2	143.338	146.613	112.91	-0.7	-16.4	97	48.14	21.548	8.1	-93.8	0.6	-0.4
07/30/04	04:00:52	26.22	143.894	147.234	113.46	-0.72	-16.9	98	48.23	21.601	8.09	-93.6	0.4	-0.4
07/30/04	04:30:52	26.21	144.689	148.043	114.26	-0.76	-18	94	48.34	21.656	8.09	-93.3	1	-0.4
07/30/04	05:00:52	26.28	144.815	148.367	114.38	-0.66	-15.7	93	48.43	21.714	8.08	-92.9	0	-0.4
07/30/04	05:30:52	26.3	146.423	150.051	116	-0.66	-15.8	92	48.54	21.758	8.07	-92.6	0.4	-0.4
07/30/04	06:00:52	26.35	144.994	148.738	114.56	-0.64	-15.2	91	48.63	21.844	8.07	-92.5	0.4	-0.4
07/30/04	06:30:52	26.42	146.514	150.477	116.08	-0.64	-15.2	90	48.74	21.891	8.08	-93.1	0.4	-0.4
07/30/04	07:00:52	26.56	146.534	150.902	116.1	-0.81	-19.4	93	48.82	21.939	8.12	-95.1	0.1	-0.4
07/30/04	07:30:52	26.49	148.048	152.262	117.63	-0.81	-19.4	93	48.88	21.958	8.14	-96.4	0.9	-0.4
07/30/04	08:00:52	26.41	148.498	152.504	118.09	-0.84	-20.3	93	48.95	21.992	8.14	-96.1	0.8	-0.4
07/30/04	08:30:52	26.19	149.432	152.82	119.04	-0.84	-20.2	93	49	22.009	8.15	-97	0.3	-0.4
07/30/04	09:00:52	25.97	149.871	152.641	119.5	-0.9	-21.7	93	49.05	22.031	8.14	-96.5	0.5	-0.4
07/30/04	09:30:52	25.89	149.636	152.184	119.26	-0.84	-20.3	94	49.08	22.055	8.14	-96.3	0.4	-0.4
07/30/04	10:00:52	25.84	148.795	151.172	118.4	-0.92	-22.1	95	49.09	22.074	8.14	-96.1	0.3	-0.4
07/30/04	10:30:52	25.78	151.097	153.348	120.75	-0.76	-18.4	94	49.13	22.058	8.13	-95.6	0.4	-0.4
07/30/04	11:00:52	25.66	152.422	154.332	122.11	-0.81	-19.8	94	49.14	22.042	8.12	-95.3	0.6	-0.4
07/30/04	11:30:52	25.6	153.618	155.371	123.34	-0.75	-18.5	95	49.14	22.022	8.11	-94.5	1	-0.4
07/30/04	12:00:52	25.58	151.426	153.102	121.09	-0.76	-18.5	94	49.12	22.047	8.12	-94.9	7.6	-0.4
07/30/04	12:30:52	25.58	153.09	154.797	122.8	-0.72	-17.7	96	49.13	22.028	8.14	-96.3	24.1	-0.4
07/30/04	13:00:52	25.6	165.276	167.156	135.6	-0.73	-19.3	95	49.12	21.81	8.18	-98.3	43.6	-0.4
07/30/04	13:30:52	25.59	154.585	156.336	124.34	-0.75	-18.5	96	49.12	21.992	8.23	-101.2	70.9	-0.4
07/30/04	14:00:52	25.66	154.964	156.906	124.73	-0.8	-19.9	99	49.09	21.968	8.26	-103	104.3	-0.4
07/30/04	14:30:52	25.67	156.522	158.52	126.35	-0.81	-20.4	99	49.07	21.927	8.32	-106.3	117.4	-0.4
07/30/04	15:00:52	25.71	155.687	157.785	125.48	-0.85	-21.1	99	49.06	21.938	8.34	-107.3	130.1	-0.4
07/30/04	15:30:52	25.72	156.328	158.473	126.15	-0.79	-19.8	99	49.04	21.911	8.36	-108.9	155.2	-0.4
07/30/04	16:00:52	25.83	157.612	160.105	127.49	-0.78	-19.7	99	49.01	21.875	8.34	-107.5	183.8	-0.4
07/30/04	16:30:52	25.83	157.996	160.504	127.89	-0.86	-21.7	99	48.97	21.841	8.35	-108.2	205.6	-0.4
07/30/04	17:00:52	25.85	158.936	161.52	128.87	-0.84	-21.4	100	48.91	21.787	8.31	-105.8	223.2	-0.4
07/30/04	17:30:52	25.89	158.731	161.434	128.66	-1.03	-26.1	99	48.87	21.765	8.28	-104.4	217.4	-0.4
07/30/04	18:00:52	25.93	161.883	164.77	131.98	-1.03	-26.6	99	48.8	21.67	8.28	-104.2	243.4	-0.4
07/30/04	18:30:52	25.98	161.034	164.035	131.08	-0.97	-25.1	99	48.76	21.656	8.28	-103.9	239.1	-0.4
07/30/04	19:00:52	26	162.042	165.133	132.15	-1.23	-32.1	99	48.68	21.588	8.29	-105	221.6	-0.4
07/30/04	19:30:52	26.03	161.857	165.055	131.95	-1.21	-31.3	99	48.59	21.537	8.28	-104.1	245.2	-0.4
07/30/04	20:00:52	26.11	162.074	165.5	132.18	-1.32	-34.3	100	48.5	21.475	8.3	-105.6	270.5	-0.4
07/30/04	20:30:52	26.12	161.958	165.438	132.06	-0.92	-24	99	48.41	21.415	8.21	-100.3	31.5	-0.4
07/30/04	21:00:52	26.12	152.901	156.176	122.59	-1.13	-27.8	99	48.33	21.515	8.2	-99.7	38.3	-0.2
07/30/04	21:30:52	26.15	156.282	159.719	126.09	-1.26	-31.8	99	48.23	21.395	8.31	-106.2	164.6	-0.4
07/30/04	22:00:52	26.2	160.313	163.984	130.31	-1.22	-31.3	99	48.15	21.278	8.33	-106.9	144.1	-0.4
07/30/04	22:30:52	26.2	159.754	163.418	129.72	-1.01	-25.9	99	48.06	21.231	8.31	-105.7	115.5	-0.4
07/30/04	23:00:52	26.26	159.63	163.484	129.59	-1.06	-27.2	99	47.99	21.191	8.26	-102.9	70.4	-0.4
07/30/04	23:30:52	26.27	163.702	167.672	133.91	-1.06	-27.8	99	47.95	21.096	8.26	-103	58.4	-0.4
07/31/04	00:00:52	26.3	155.246	159.113	125.01	-1.11	-27.8	99	47.89	21.194	8.22	-100.8	33.8	-0.4
07/31/04	00:30:52	26.3	160.024	164.008	130.01	-1	-25.7	99	47.86	21.098	8.18	-98.4	14.5	-0.4
07/31/04	01:00:52	26.32	159.729	163.762	129.7	-1.04	-26.9	100	47.85	21.097	8.15	-97.1	3.2	-0.4
07/31/04	01:30:52	26.38	159.898	164.105	129.87	-0.92	-23.8	99	47.87	21.105	8.13	-95.6	0.4	-0.4
07/31/04	02:00:52	26.46	161.543	166.051	131.61	-0.64	-16.8	100	47.87	21.083	8.11	-94.4	0.5	-0.4
07/31/04	02:30:52	26.71	161.858	167.133	131.93	-0.77	-20.2	98	47.92	21.112	8.11	-95	0.1	-0.4
07/31/04	03:00:52	26.76	162.724	168.195	132.85	-0.65	-17.2	98	47.97	21.127	8.12	-95.5	1.1	-0.5
07/31/04	03:30:52	26.87	163.407	169.238	133.58	-0.72	-19.1	99	48.03	21.159	8.12	-95.3	0.5	-0.5
07/31/04	04:00:52	26.95	165.388	171.559	135.69	-0.59	-15.9	97	48.11	21.173	8.11	-95	0.7	-0.4
07/31/04	04:30:52	27.09	165.661	172.285	135.98	-0.6	-16.2	96	48.2	21.232	8.12	-95.6	0.8	-0.5
07/31/04	05:00:52	27.09	164.714	171.289	134.96	-0.57	-15.2	96	48.31	21.314	8.11	-94.7	0.4	-0.5
07/31/04	05:30:52	26.94	166.162	172.332	136.52	-0.48	-12.9	87	48.38	21.337	8.08	-93.1	1.5	-0.4
07/31/04	06:00:52	27.2	167.739	174.801	138.21	-0.68	-18.6	86	48.47	21.371	8.12	-95.2	1.1	-0.4
07/31/04	06:30:52	27.12	168.053	174.867	138.56	-0.69	-18.7	86	48.58	21.434	8.12	-95.5	0.2	-0.5
07/31/04	07:00:52	27.07	167.623	174.234	138.09	-0.74	-20.2	81	48.66	21.49	8.13	-95.9	0.5	-0.5
07/31/04	07:30:52	27.01	169.197	175.688	139.8	-0.76	-20.8	77	48.76	21.525	8.13	-95.7	0.5	-0.5
07/31/04	08:00:52	26.97	169.16	175.539	139.76	-0.82	-22.5	74	48.85	21.582	8.13	-95.7	0.8	-0.4
07/31/04	08:30:52	26.97	168.753	175.117	139.32	-0.77	-21.1	69	48.9	21.621	8.12	-95.3	0.8	-0.5
07/31/04	09:00:52	26.96	169.809	176.156	140.47	-0.73	-20.2	66	48.97	21.648	8.11	-95	0.7	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/sec*m2	Turbidity NTU
07/31/04	09:30:52	26.88	169.326	175.422	139.94	-0.72	-19.7	65	49	21.677	8.11	-95	0.7	-0.5
07/31/04	10:00:52	26.82	170.493	176.422	141.22	-0.75	-20.6	63	49.04	21.681	8.11	-94.8	-0	-0.5
07/31/04	10:30:52	26.83	170.904	176.871	141.67	-0.73	-20.3	54	49.06	21.684	8.1	-94.3	-0.4	-0.4
07/31/04	11:00:52	26.71	170.914	176.508	141.68	-0.74	-20.5	54	49.08	21.7	8.11	-94.8	0.8	-0.3
07/31/04	11:30:52	26.68	169.492	174.93	140.13	-0.72	-19.8	54	49.09	21.729	8.1	-94.4	1.6	-0.1
07/31/04	12:00:52	26.69	172.14	177.684	143.02	-0.71	-19.9	52	49.1	21.688	8.11	-94.7	9.5	-0.4
07/31/04	12:30:52	26.59	170.665	175.859	141.41	-0.73	-20.1	54	49.11	21.722	8.13	-95.8	19.5	-0.1
07/31/04	13:00:52	26.64	171.681	177.063	142.52	-0.7	-19.6	54	49.1	21.697	8.16	-97.3	24.9	-0.2
07/31/04	13:30:52	26.65	171.674	177.098	142.51	-0.62	-17.2	55	49.09	21.693	8.13	-95.6	23.5	-0.4
07/31/04	14:00:52	26.69	171.808	177.344	142.66	-0.7	-19.4	58	49.08	21.684	8.17	-98	64.2	-0.4
07/31/04	14:30:52	26.64	174.499	179.973	145.62	-0.84	-23.6	62	49.06	21.624	8.33	-107.1	128.8	-0.4
07/31/04	15:00:52	26.51	173.099	178.102	144.08	-0.85	-23.6	58	49.07	21.648	8.37	-109.4	136	-0.4
07/31/04	15:30:52	26.53	175.6	180.742	146.84	-0.86	-24.3	63	49.05	21.592	8.39	-110.4	187.1	-0.4
07/31/04	16:00:52	26.59	175.146	180.449	146.34	-0.93	-26.3	60	49.03	21.59	8.27	-103.7	58.8	-0.4
07/31/04	16:30:52	26.61	174.998	180.367	146.17	-0.98	-27.9	63	49	21.573	8.35	-108.4	217.4	-0.5
07/31/04	17:00:52	26.65	177.195	182.777	148.61	-1.05	-30.3	64	48.97	21.514	8.33	-107	219.8	-0.4
07/31/04	17:30:52	26.61	177.916	183.375	149.42	-1.04	-30	65	48.95	21.492	8.3	-105.3	241.7	-0.4
07/31/04	18:00:52	26.65	177.613	183.215	149.08	-1.16	-33.4	66	48.9	21.465	8.29	-104.9	249.9	-0.4
07/31/04	18:30:52	26.68	179.243	184.984	150.91	-1.18	-34.2	66	48.85	21.405	8.29	-105.1	248.2	-0.4
07/31/04	19:00:52	26.7	178.984	184.789	150.61	-1.23	-35.9	69	48.81	21.38	8.3	-105.3	239.9	-0.4
07/31/04	19:30:52	26.75	180.81	186.867	152.67	-1.28	-37.7	61	48.73	21.303	8.29	-105.2	236.6	-0.4
07/31/04	20:00:52	26.9	178.979	185.488	150.6	-1.07	-31.1	59	48.66	21.29	8.28	-104.2	231.8	-0.4
07/31/04	20:30:52	26.9	181.948	188.559	153.95	-1.1	-32.6	61	48.59	21.193	8.3	-105.3	217.4	-0.4
07/31/04	21:00:52	26.98	178.469	185.219	150.03	-1.1	-31.9	60	48.51	21.208	8.3	-105.7	197.6	-0.4
07/31/04	21:30:52	26.84	177.921	184.18	149.42	-1.01	-29.1	63	48.43	21.163	8.32	-106.6	189.2	-0.4
07/31/04	22:00:52	26.86	176.116	182.367	147.41	-1.03	-29.5	63	48.33	21.132	8.28	-104.3	133.4	-0.4
07/31/04	22:30:52	26.99	176.142	182.844	147.43	-0.93	-26.7	65	48.24	21.076	8.24	-102.4	96.3	-0.4
07/31/04	23:00:52	27	174.926	181.605	146.08	-0.81	-23.1	63	48.16	21.048	8.23	-101.6	70.3	-0.4
07/31/04	23:30:52	26.88	175.186	181.48	146.37	-0.86	-24.4	64	48.09	20.993	8.2	-99.7	55.3	-0.4
08/01/04	00:00:52	26.86	171.882	178	142.73	-0.7	-19.7	65	48.03	21.014	8.16	-97.8	31.7	-0.4
08/01/04	00:30:52	26.68	171.801	177.328	142.65	-0.7	-19.5	62	48	20.998	8.12	-95.5	12.2	-0.4
08/01/04	01:00:52	26.64	169.879	175.207	140.55	-0.73	-20	61	47.96	20.999	8.11	-94.6	2.4	-0.4
08/01/04	01:30:52	26.61	170.195	175.426	140.9	-0.72	-19.7	59	47.93	20.978	8.1	-93.9	0.4	-0.4
08/01/04	02:00:52	26.61	169.423	174.621	140.06	-0.64	-17.4	59	47.92	20.983	8.09	-93.5	0	-0.4
08/01/04	02:30:52	26.69	170.27	175.766	140.98	-0.58	-15.9	60	47.93	20.978	8.1	-93.9	0.2	-0.4
08/01/04	03:00:52	26.7	168.329	173.809	138.87	-0.64	-17.5	60	47.95	21.024	8.1	-94.2	-0.2	-0.4
08/01/04	03:30:52	26.71	169.272	174.813	139.89	-0.63	-17.3	61	47.99	21.033	8.11	-94.7	0.2	-0.3
08/01/04	04:00:52	26.76	168.971	174.664	139.56	-0.75	-20.7	57	48.02	21.059	8.12	-95.2	1.1	0.1
08/01/04	04:30:52	26.74	168.685	174.301	139.25	-0.74	-20.1	58	48.11	21.118	8.12	-95.5	0.6	0.1
08/01/04	05:00:52	26.74	168.687	174.309	139.26	-0.69	-18.8	55	48.18	21.165	8.11	-95	0.3	0
08/01/04	05:30:52	26.81	167.013	172.777	137.44	-0.72	-19.6	55	48.26	21.246	8.11	-94.8	0.5	0.3
08/01/04	06:00:52	26.79	168.088	173.836	138.6	-0.69	-18.9	56	48.37	21.292	8.11	-94.7	1.1	0.5
08/01/04	06:30:52	26.94	167.292	173.484	137.74	-0.74	-20	54	48.46	21.37	8.11	-94.8	0.4	-0.4
08/01/04	07:00:52	27.02	168.787	175.309	139.35	-0.75	-20.5	54	48.55	21.397	8.12	-95.3	0.1	-0.4
08/01/04	07:30:52	27.01	167.932	174.395	138.43	-0.72	-19.5	57	48.63	21.468	8.13	-95.7	0.6	-0.4
08/01/04	08:00:52	27.03	167.428	173.918	137.88	-0.74	-20	55	48.71	21.525	8.12	-95.5	0.7	-0.4
08/01/04	08:30:52	27.01	167.928	174.363	138.42	-0.71	-19.3	56	48.78	21.562	8.13	-95.8	0.7	-0.4
08/01/04	09:00:52	27.02	168.198	174.68	138.72	-0.75	-20.4	58	48.85	21.602	8.12	-95.6	0.7	-0.4
08/01/04	09:30:52	27.01	166.865	173.266	137.28	-0.7	-19	55	48.92	21.671	8.12	-95.4	0.8	-0.2
08/01/04	10:00:52	26.97	168.092	174.41	138.6	-0.7	-19.2	54	48.96	21.671	8.12	-95.3	1.1	-0.4
08/01/04	10:30:52	26.98	168.48	174.852	139.02	-0.72	-19.7	55	49	21.694	8.12	-95.5	0.2	-0.4
08/01/04	11:00:52	26.95	160.264	166.238	130.24	-0.7	-18.3	57	49.03	21.852	8.12	-95.5	2.1	-0.4
08/01/04	11:30:52	26.92	168.184	174.359	138.7	-0.67	-18.3	55	49.05	21.731	8.11	-94.7	1.2	-0.4
08/01/04	12:00:52	26.94	158.646	164.523	128.54	-0.7	-18	54	49.07	21.903	8.11	-94.8	6.4	-0.4
08/01/04	12:30:52	26.97	159.418	165.402	129.35	-0.65	-16.9	53	49.08	21.897	8.11	-94.9	21.6	-0.4
08/01/04	13:00:52	26.94	158.238	164.09	128.11	-0.61	-15.6	56	49.09	21.924	8.11	-95	25.3	-0.4
08/01/04	13:30:52	26.94	162.061	168.063	132.14	-0.6	-15.8	57	49.08	21.852	8.15	-97.1	62.1	-0.4
08/01/04	14:00:52	26.98	161.299	167.391	131.33	-0.61	-16.1	58	49.07	21.86	8.18	-98.6	85.1	-0.1
08/01/04	14:30:52	26.98	159.906	165.945	129.86	-0.72	-18.6	56	49.07	21.882	8.18	-98.8	91.5	-0.4
08/01/04	15:00:52	26.97	178.529	185.262	150.1	-0.63	-18.4	57	49.09	21.57	8.2	-99.6	131.1	-0.3
08/01/04	15:30:52	27.03	157.688	163.809	127.53	-0.69	-17.7	59	49.04	21.905	8.21	-100.7	153.8	-0.3
08/01/04	16:00:52	27.09	157.175	163.449	127	-0.76	-19.4	60	49.07	21.93	8.19	-99.4	170.8	-0.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/01/04	16:30:52	27.09	156.567	162.809	126.36	-0.65	-16.6	61	49.01	21.902	8.13	-96.2	43	-0.2
08/01/04	17:00:52	27.08	164.444	170.965	134.68	-0.71	-18.9	59	49.02	21.776	8.18	-98.8	239	-0.2
08/01/04	17:30:52	27.14	166.947	173.766	137.36	-0.85	-23.1	65	48.99	21.71	8.18	-98.9	228.7	-0.2
08/01/04	18:00:52	27.27	165.004	172.145	135.27	-0.84	-22.5	61	48.96	21.729	8.18	-98.7	203.9	-0.2
08/01/04	18:30:52	27.28	178.725	186.496	150.3	-0.79	-23.2	62	48.95	21.48	8.18	-98.6	241	-0.2
08/01/04	19:00:52	27.3	160.431	167.469	130.41	-1.03	-26.9	61	48.9	21.77	8.21	-100.2	270.1	-0.2
08/01/04	19:30:52	27.29	160.331	167.355	130.3	-1.03	-26.8	65	48.87	21.75	8.21	-100.5	200	0
08/01/04	20:00:52	27.3	164.399	171.613	134.62	-0.93	-24.9	63	48.82	21.652	8.2	-100	195.9	-0.1
08/01/04	20:30:52	27.26	176.088	183.684	147.36	-0.87	-25	62	48.77	21.414	8.2	-99.9	157	0
08/01/04	21:00:52	27.29	165.426	172.66	135.72	-1.01	-27.2	64	48.67	21.539	8.21	-100.5	158.8	-0.2
08/01/04	21:30:52	27.29	162.505	169.605	132.6	-0.95	-25.1	62	48.61	21.544	8.21	-100.5	147.3	-0.3
08/01/04	22:00:52	27.27	165.501	172.68	135.8	-0.94	-25.3	64	48.54	21.45	8.21	-100.5	119.8	-0.2
08/01/04	22:30:52	27.3	168.112	175.508	138.61	-0.97	-26.5	62	48.47	21.362	8.21	-100.4	107.1	-0.2
08/01/04	23:00:52	27.27	167.299	174.547	137.74	-0.75	-20.4	64	48.37	21.315	8.16	-97.6	40.3	-0.1
08/01/04	23:30:52	27.26	159.979	166.891	129.93	-0.78	-20.4	63	48.3	21.389	8.16	-97.6	43.2	-0.1
08/02/04	00:00:52	27.23	157.426	164.145	127.25	-0.77	-19.8	63	48.21	21.376	8.14	-96.4	23.4	-0.1
08/02/04	00:30:52	27.19	154.729	161.211	124.45	-0.74	-18.7	61	48.14	21.374	8.13	-95.7	9.8	0
08/02/04	01:00:52	27.12	164.169	170.828	134.38	-0.64	-17.2	58	48.07	21.174	8.12	-95.6	1.7	0
08/02/04	01:30:52	27.02	167.027	173.457	137.45	-0.72	-19.5	56	48.03	21.098	8.13	-96	-0.1	0.7
08/02/04	02:00:52	26.85	167.077	172.98	137.51	-0.79	-21.3	55	48.01	21.083	8.14	-96.3	0.1	0.3
08/02/04	02:30:52	26.84	167.433	173.32	137.9	-0.67	-18.1	54	47.99	21.062	8.13	-96.1	0.6	0.1
08/02/04	03:00:52	26.76	167.48	173.113	137.95	-0.71	-19.3	55	47.97	21.05	8.14	-96.2	0.2	0.1
08/02/04	03:30:52	26.69	166.695	172.078	137.1	-0.79	-21.2	55	47.98	21.07	8.14	-96.2	0	0.1
08/02/04	04:00:52	26.66	166.93	172.23	137.36	-0.73	-19.7	53	47.99	21.072	8.14	-96.1	0.6	0
08/02/04	04:30:52	26.64	165.799	171.008	136.14	-0.74	-19.8	55	48.01	21.101	8.13	-95.9	0.4	0.1
08/02/04	05:00:52	26.57	166.591	171.574	137	-0.7	-18.8	53	48.03	21.102	8.12	-95.5	0.6	0.1
08/02/04	05:30:52	26.61	166.804	171.934	137.22	-0.73	-19.6	52	48.11	21.148	8.13	-95.6	0.7	0.1
08/02/04	06:00:52	26.64	166.125	171.324	136.49	-0.74	-20	52	48.19	21.211	8.12	-95.5	0.6	0.1
08/02/04	06:30:52	26.61	167.467	172.605	137.94	-0.71	-19.1	53	48.23	21.214	8.13	-95.8	0.7	1.4
08/02/04	07:00:52	26.6	166.683	171.766	137.09	-0.7	-18.8	51	48.31	21.281	8.12	-95.5	0.7	0.3
08/02/04	07:30:52	26.6	167.749	172.891	138.24	-0.7	-19.1	52	48.42	21.331	8.13	-95.6	0.9	0.2
08/02/04	08:00:52	26.6	167.117	172.23	137.56	-0.71	-19.1	51	48.49	21.387	8.12	-95.4	0.4	0.2
08/02/04	08:30:52	26.63	168.251	173.484	138.79	-0.68	-18.6	51	48.56	21.412	8.12	-95.2	0.2	0.3
08/02/04	09:00:52	26.62	167.78	172.969	138.28	-0.63	-17.1	51	48.64	21.47	8.11	-94.6	0.2	0.2
08/02/04	09:30:52	26.64	169.114	174.418	139.72	-0.64	-17.5	51	48.72	21.496	8.11	-94.5	0.7	0.3
08/02/04	10:00:52	26.66	169.111	174.469	139.72	-0.63	-17.3	51	48.77	21.528	8.11	-94.7	0.8	0.4
08/02/04	10:30:52	26.71	169.772	175.316	140.43	-0.56	-15.4	50	48.81	21.544	8.1	-93.9	0.5	0.3
08/02/04	11:00:52	26.66	169.822	175.199	140.49	-0.51	-14.1	51	48.83	21.556	8.09	-93.6	0.9	0.4
08/02/04	11:30:52	26.69	166.097	171.473	136.46	-0.44	-11.9	50	48.86	21.641	8.07	-92.5	0.6	0.5
08/02/04	12:00:52	26.67	161.876	167.047	131.95	-0.43	-11.4	50	48.9	21.738	8.07	-92.3	8.8	0.7
08/02/04	12:30:52	26.68	181.538	187.375	153.49	-0.36	-10.7	49	48.93	21.414	8.07	-92.3	22.2	0.7
08/02/04	13:00:52	26.71	166.077	171.504	136.44	-0.34	-9	49	48.91	21.674	8.05	-91.4	25.5	0.7
08/02/04	13:30:52	26.7	163.619	168.945	133.81	-0.4	-10.5	49	48.92	21.725	8.07	-92.5	82.8	0.6
08/02/04	14:00:52	26.73	165.63	171.098	135.96	-0.39	-10.6	50	48.92	21.688	8.1	-93.9	93.7	0.7
08/02/04	14:30:52	26.74	170.771	176.438	141.52	-0.44	-12.1	50	48.91	21.591	8.12	-95	100.4	0.4
08/02/04	15:00:52	26.8	183.057	189.355	155.21	-0.45	-13.3	50	48.91	21.375	8.13	-95.8	124	0.6
08/02/04	15:30:52	26.89	194.919	201.953	168.97	-0.41	-13.4	52	48.91	21.16	8.12	-95.6	145	0.4
08/02/04	16:00:52	26.85	190.585	197.316	163.88	-0.4	-12.4	51	48.92	21.241	8.12	-95.2	161.2	0.6
08/02/04	16:30:52	26.79	234.882	242.914	219.47	-0.34	-14.7	53	48.89	20.361	8.12	-95.6	177.8	0.8
08/02/04	17:00:52	26.89	223.995	232.09	205.05	-0.27	-10.7	59	48.91	20.597	8.09	-93.9	198.3	0.7
08/02/04	17:30:52	26.97	198.013	205.449	172.64	-0.4	-13.3	62	48.9	21.092	8.1	-94.2	228.7	1.1
08/02/04	18:00:52	26.94	190.122	197.152	163.34	-0.29	-9.1	67	48.89	21.234	8.07	-92.6	232	0.9
08/02/04	18:30:52	26.98	220.595	228.93	200.65	-0.28	-10.7	73	48.89	20.655	8.05	-91.2	119.8	1.3
08/02/04	19:00:52	27.04	207.335	215.434	183.95	-0.35	-12.3	81	48.86	20.896	8.08	-93	230.1	1.6
08/02/04	19:30:52	26.99	229.119	237.828	211.77	-0.29	-11.7	81	48.86	20.464	8.09	-93.4	220.8	1.4
08/02/04	20:00:52	27.09	211.312	219.766	188.88	-0.4	-14.6	83	48.84	20.803	8.09	-93.7	199.5	1.5
08/02/04	20:30:52	27.1	245.785	255.664	234.42	-0.23	-10.8	88	48.8	20.083	8.08	-93	52	3.6
08/02/04	21:00:52	27.15	204.012	212.391	179.87	-0.42	-14.5	92	48.76	20.899	8.12	-95.1	158.7	3.5
08/02/04	21:30:52	27.4	244.481	255.668	232.58	-0.34	-15.6	92	48.72	20.068	8.14	-96.4	139.9	3.3
08/02/04	22:00:52	27.36	223.309	233.395	204.14	-0.43	-17	92	48.69	20.483	8.14	-96.8	121.6	4.1
08/02/04	22:30:52	27.34	244.396	255.34	232.47	-0.36	-16.5	97	48.61	20.006	8.14	-96.8	96.9	3.8
08/02/04	23:00:52	27.31	244.857	255.676	233.11	-0.34	-15.7	95	48.55	19.958	8.13	-96	75.3	3.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/02/04	23:30:52	27.25	243.972	254.461	231.88	-0.29	-13.2	93	48.5	19.946	8.12	-95.3	50.2	3.4
08/03/04	00:00:52	27.21	245.309	255.676	233.75	-0.28	-13	91	48.44	19.884	8.1	-94.3	30.7	3.1
08/03/04	00:30:52	27.2	232.876	242.668	216.76	-0.19	-8.2	88	48.39	20.107	8.09	-93.5	13.8	23.9
08/03/04	01:00:52	27.15	207.986	216.539	184.75	-0.38	-13.5	84	48.34	20.561	8.08	-92.8	2	21.6
08/03/04	01:30:52	27.13	212.822	221.484	190.77	-0.26	-9.5	80	48.28	20.431	8.08	-93.2	0.3	26.4
08/03/04	02:00:52	27.08	211.7	220.121	189.36	-0.5	-18.3	76	48.24	20.426	8.09	-93.4	1.3	13.3
08/03/04	02:30:52	26.85	208.842	216.207	185.82	-0.44	-15.8	79	48.21	20.461	8.09	-93.8	1	18.5
08/03/04	03:00:52	26.81	208.213	215.402	185.04	-0.48	-17	80	48.21	20.472	8.1	-94.4	0.5	36.5
08/03/04	03:30:52	26.7	207.754	214.492	184.48	-0.5	-17.6	64	48.18	20.46	8.1	-94	1	26.1
08/03/04	04:00:52	26.69	205.318	211.938	181.48	-0.47	-16.4	59	48.17	20.501	8.09	-93.6	0.2	28.6
08/03/04	04:30:52	26.69	205.208	211.816	181.35	-0.46	-15.8	60	48.17	20.505	8.09	-93.5	0.2	18.1
08/03/04	05:00:52	26.63	202.65	208.957	178.23	-0.5	-17.1	61	48.23	20.587	8.1	-94.1	0.9	8.7
08/03/04	05:30:52	26.51	201.532	207.363	176.88	-0.57	-19.2	60	48.23	20.607	8.09	-93.8	1.2	17.8
08/03/04	06:00:52	26.43	200.553	206.02	175.7	-0.53	-17.8	57	48.28	20.659	8.1	-93.8	1.2	21.4
08/03/04	06:30:52	26.54	200.081	205.965	175.13	-0.56	-18.5	54	48.32	20.689	8.09	-93.8	-0.8	7.6
08/03/04	07:00:52	26.44	199.861	205.344	174.87	-0.58	-19.4	53	48.39	20.739	8.09	-93.4	0.3	7.5
08/03/04	07:30:52	26.48	199.814	205.449	174.81	-0.59	-19.7	55	48.44	20.771	8.09	-93.7	-0.4	6.4
08/03/04	08:00:52	26.48	200.973	206.672	176.21	-0.6	-20.2	54	48.5	20.786	8.09	-93.6	-0.1	6.3
08/03/04	08:30:52	26.58	202.836	208.953	178.46	-0.52	-17.7	56	48.57	20.793	8.08	-93.2	0.4	10.3
08/03/04	09:00:52	26.56	205.07	211.176	181.18	-0.51	-17.5	53	48.64	20.799	8.11	-94.5	4.6	3.4
08/03/04	09:30:52	26.5	205.154	211.051	181.29	-0.57	-19.5	55	48.7	20.831	8.1	-94.2	0.9	9.9
08/03/04	10:00:52	26.67	203.374	209.859	179.11	-0.51	-17.3	55	48.73	20.886	8.09	-93.8	-1.7	0
08/03/04	10:30:52	26.63	206.631	213.047	183.1	-0.43	-15.1	52	48.79	20.863	8.06	-91.9	-0.6	0.2
08/03/04	11:00:52	26.64	209.669	216.227	186.85	-0.39	-13.8	51	48.82	20.82	8.05	-91.5	0	0.1
08/03/04	11:30:52	26.88	210.488	218.043	187.86	-0.4	-14.2	54	48.84	20.819	8.09	-93.5	0.6	0.9
08/03/04	12:00:52	26.8	210.073	217.301	187.34	-0.54	-19.2	53	48.86	20.837	8.11	-94.5	7	5.6
08/03/04	12:30:52	26.77	226.796	234.453	208.71	-0.51	-20.6	53	48.87	20.513	8.11	-94.9	19.3	4.4
08/03/04	13:00:52	26.75	227.36	234.977	209.46	-0.51	-20.5	54	48.88	20.506	8.12	-95.4	35.7	2.2
08/03/04	13:30:52	26.85	209.557	216.977	186.7	-0.61	-21.7	55	48.87	20.854	8.14	-96.3	55.2	2.1
08/03/04	14:00:52	26.85	207.961	215.313	184.73	-0.57	-20.2	58	48.87	20.888	8.16	-97.7	73.1	8.1
08/03/04	14:30:52	26.76	208.622	215.625	185.55	-0.63	-22.4	55	48.86	20.864	8.16	-97.3	93.7	6.8
08/03/04	15:00:52	26.69	209.686	216.465	186.87	-0.63	-22.4	56	48.86	20.846	8.18	-98.8	116.8	7.6
08/03/04	15:30:52	26.41	223.103	229.121	203.91	-0.55	-21.6	59	48.84	20.569	8.14	-96.4	74.1	8.2
08/03/04	16:00:52	26.63	210.231	216.77	187.55	-0.66	-23.6	56	48.83	20.815	8.18	-98.8	161.6	11.5
08/03/04	16:30:52	26.64	210.798	217.406	188.25	-0.64	-23.1	62	48.82	20.801	8.13	-96.1	95.8	11.8
08/03/04	17:00:52	26.7	211.429	218.301	189.04	-0.76	-27.6	58	48.8	20.777	8.17	-98.1	203.1	6.4
08/03/04	17:30:52	26.77	211.962	219.129	189.7	-0.88	-31.7	58	48.81	20.772	8.17	-98.2	203.6	5.8
08/03/04	18:00:52	26.75	212.706	219.813	190.63	-0.9	-32.7	60	48.81	20.755	8.18	-99	214.8	5.7
08/03/04	18:30:52	26.77	213.235	220.453	191.3	-0.88	-32.1	64	48.81	20.745	8.18	-98.9	222.1	4
08/03/04	19:00:52	26.84	219.388	227.102	199.1	-0.96	-36.9	66	48.8	20.619	8.19	-99.4	211.6	5.1
08/03/04	19:30:52	26.88	222.068	230.039	202.55	-1	-38.9	63	48.79	20.563	8.21	-100.4	203.4	1.9
08/03/04	20:00:52	26.89	227.89	236.105	210.15	-1.02	-41.7	62	48.79	20.443	8.22	-101	186.8	4
08/03/04	20:30:52	26.96	229.213	237.785	211.89	-1.02	-42.1	60	48.75	20.398	8.22	-101	171.9	3.3
08/03/04	21:00:52	26.99	226.376	234.98	208.15	-0.94	-38	58	48.74	20.444	8.23	-101.4	160.4	4.1
08/03/04	21:30:52	27.03	231.909	240.898	215.47	-0.99	-41.7	61	48.73	20.331	8.25	-102.6	139.3	4.2
08/03/04	22:00:52	27.07	237.431	246.805	222.91	-0.95	-41.4	64	48.71	20.204	8.24	-102.2	115.6	4.5
08/03/04	22:30:52	27.02	240.295	249.551	226.82	-0.83	-37.3	67	48.69	20.131	8.21	-100.5	92.6	5.4
08/03/04	23:00:52	27.03	221.169	229.758	201.38	-0.78	-30.4	69	48.64	20.488	8.19	-99.4	68	7.5
08/03/04	23:30:52	27.05	233.699	242.852	217.87	-0.55	-23.5	69	48.62	20.225	8.17	-98.2	45.6	6.8
08/04/04	00:00:52	27.08	245.47	255.238	233.98	-0.65	-30.5	69	48.56	19.951	8.17	-98	25.1	6.9
08/04/04	00:30:52	27.13	245.693	255.672	234.29	-0.61	-28.3	67	48.53	19.926	8.16	-97.6	11.1	7.2
08/04/04	01:00:52	27.1	245.837	255.676	234.49	-0.57	-26.7	70	48.49	19.898	8.15	-96.9	2	7.5
08/04/04	01:30:52	27.1	245.796	255.672	234.43	-0.52	-24.4	70	48.46	19.885	8.14	-96.6	0.4	6.9
08/04/04	02:00:52	27.1	245.792	255.672	234.43	-0.52	-24.2	65	48.4	19.85	8.13	-96	0.6	7.6
08/04/04	02:30:52	27.08	245.916	255.672	234.6	-0.38	-17.8	63	48.37	19.826	8.11	-94.8	-0.3	6.8
08/04/04	03:00:52	27.07	245.962	255.672	234.66	-0.31	-14.4	61	48.33	19.804	8.08	-92.8	0.4	7.1
08/04/04	03:30:52	27.07	245.962	255.672	234.66	-0.28	-13.1	65	48.32	19.798	8.06	-92	0.7	7.8
08/04/04	04:00:52	27.1	245.809	255.668	234.45	-0.21	-9.9	63	48.3	19.789	8.05	-91.2	1.1	8.8
08/04/04	04:30:52	27.06	246.003	255.672	234.72	-0.18	-8.2	71	48.29	19.777	8.04	-90.9	0.3	6.7
08/04/04	05:00:52	27.03	246.119	255.672	234.89	-0.1	-4.9	66	48.28	19.766	8.02	-89.4	0.5	7.4
08/04/04	05:30:52	27.06	245.995	255.672	234.71	-0.19	-8.9	69	48.29	19.78	8.03	-90.5	0.5	8.4
08/04/04	06:00:52	27.06	246.015	255.672	234.74	-0.12	-5.6	69	48.32	19.793	8.01	-88.9	-0	8.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/04/04	06:30:52	27.04	246.061	255.672	234.8	-0.06	-2.8	70	48.34	19.804	7.98	-87.5	-0.2	10.5
08/04/04	07:00:52	27.06	245.974	255.672	234.68	-0.03	-1.4	73	48.37	19.827	7.98	-87.6	0.4	9.6
08/04/04	07:30:52	26.73	247.477	255.668	236.8	-0.19	-9	76	48.39	19.801	8.04	-90.9	-0.1	9
08/04/04	08:00:52	26.55	248.314	255.664	237.99	-0.4	-19.2	76	48.43	19.81	8.08	-92.9	-0.1	7.5
08/04/04	08:30:52	26.43	248.864	255.66	238.77	-0.32	-15.4	73	48.5	19.833	8.07	-92.5	0.3	7.6
08/04/04	09:00:52	26.37	249.144	255.656	239.16	-0.35	-16.6	69	48.53	19.85	8.06	-92.1	0.4	7.3
08/04/04	09:30:52	26.4	248.992	255.652	238.95	-0.29	-13.7	65	48.58	19.883	8.07	-92.1	-0.2	7.5
08/04/04	10:00:52	26.42	248.912	255.652	238.83	-0.27	-12.8	69	48.62	19.907	8.05	-91.5	0.2	8
08/04/04	10:30:52	27	246.249	255.66	235.07	-0.28	-13.2	73	48.67	20	8.1	-94.5	0	7.4
08/04/04	11:00:52	27.02	246.161	255.668	234.95	-0.33	-15.6	74	48.7	20.016	8.11	-94.5	-0.8	7.6
08/04/04	11:30:52	27.01	246.235	255.672	235.05	-0.28	-13.2	76	48.72	20.031	8.1	-94.4	0.9	6.6
08/04/04	12:00:52	26.97	246.389	255.672	235.27	-0.35	-16.4	77	48.73	20.029	8.11	-94.6	6.8	9.9
08/04/04	12:30:52	26.96	246.451	255.672	235.35	-0.37	-17.2	80	48.75	20.038	8.1	-94.5	16.7	8.2
08/04/04	13:00:52	26.99	246.293	255.672	235.13	-0.33	-15.4	86	48.74	20.038	8.12	-95.5	35.5	5.7
08/04/04	13:30:52	26.99	246.322	255.676	235.17	-0.31	-14.8	88	48.73	20.031	8.13	-96.1	53.9	5.3
08/04/04	14:00:52	27.07	245.949	255.676	234.65	-0.36	-16.7	88	48.72	20.032	8.15	-96.9	73	6.1
08/04/04	14:30:52	26.99	246.296	255.68	235.14	-0.32	-14.9	90	48.72	20.026	8.17	-98	95.9	10.3
08/04/04	15:00:52	26.91	246.666	255.684	235.66	-0.29	-13.8	99	48.72	20.016	8.16	-97.4	115.2	5.6
08/04/04	15:30:52	26.89	246.766	255.68	235.8	-0.3	-14.3	98	48.68	19.995	8.18	-98.8	142.6	9.8
08/04/04	16:00:52	26.96	246.471	255.68	235.38	-0.38	-17.8	99	48.67	19.991	8.17	-97.9	161	6
08/04/04	16:30:52	26.91	246.678	255.688	235.67	-0.26	-12.1	99	48.68	19.995	8.14	-96.5	179	6
08/04/04	17:00:52	26.97	246.421	255.684	235.31	-0.27	-12.9	99	48.64	19.974	8.16	-97.4	198.9	5.4
08/04/04	17:30:52	27.02	246.205	255.684	235.01	-0.32	-14.9	99	48.66	19.993	8.16	-97.6	214.9	5.8
08/04/04	18:00:52	27.03	246.159	255.688	234.94	-0.23	-10.8	100	48.64	19.981	8.13	-95.7	106.2	6.1
08/04/04	18:30:52	27.08	245.898	255.684	234.58	-0.3	-14.1	99	48.65	19.992	8.12	-95.5	54.6	5.9
08/04/04	19:00:52	27.1	245.816	255.684	234.46	-0.25	-11.7	99	48.67	20.008	8.12	-95.2	39.8	5.7
08/04/04	19:30:52	27.14	245.658	255.688	234.24	-0.24	-11.2	99	48.69	20.021	8.12	-95.3	76.4	6.9
08/04/04	20:00:52	27.19	245.444	255.688	233.94	-0.1	-4.5	99	48.68	20.024	8.14	-96.6	205	6.2
08/04/04	20:30:52	27.2	245.398	255.691	233.87	-0.09	-4.2	99	48.7	20.033	8.15	-96.9	184.1	5.6
08/04/04	21:00:52	27.23	245.234	255.691	233.64	-0.18	-8.5	99	48.7	20.037	8.16	-97.7	176.2	5.7
08/04/04	21:30:52	27.27	245.049	255.691	233.38	-0.14	-6.6	99	48.71	20.048	8.15	-97.3	150.8	5.5
08/04/04	22:00:52	27.3	244.909	255.691	233.18	-0.28	-13.2	98	48.7	20.049	8.14	-96.5	125.4	6.1
08/04/04	22:30:52	27.33	244.786	255.691	233.01	-0.36	-16.8	99	48.72	20.062	8.14	-96.7	100.8	6.1
08/04/04	23:00:52	27.32	244.848	255.691	233.1	-0.21	-9.6	99	48.69	20.043	8.13	-96.1	75.1	6.6
08/04/04	23:30:52	27.31	244.869	255.688	233.13	-0.31	-14.6	99	48.7	20.046	8.11	-94.6	50.2	7.2
08/05/04	00:00:52	27.31	244.893	255.688	233.16	-0.17	-8	99	48.71	20.051	8.09	-93.8	28	7.2
08/05/04	00:30:52	27.33	244.811	255.684	233.05	-0.16	-7.5	99	48.68	20.038	8.09	-93.6	13	7
08/05/04	01:00:52	27.31	244.876	255.691	233.14	-0.25	-11.7	99	48.64	20.014	8.08	-93	1.5	5.9
08/05/04	01:30:52	27.24	245.18	255.691	233.57	-0.24	-11.2	100	48.65	20.01	8.07	-92.4	-0.1	6.8
08/05/04	02:00:52	27.23	245.246	255.691	233.66	-0.11	-5.1	99	48.61	19.986	8.07	-92.5	0.2	6.1
08/05/04	02:30:52	27.31	244.897	255.688	233.17	-0.23	-10.9	99	48.61	19.991	8.04	-90.6	1.1	5.7
08/05/04	03:00:52	27.26	245.094	255.695	233.44	-0.12	-5.5	99	48.57	19.966	8.05	-91.2	0.3	5.1
08/05/04	03:30:52	27.27	245.069	255.691	233.41	-0.06	-2.6	99	48.56	19.959	8.03	-90.2	-0.1	41.8
08/05/04	04:00:52	27.18	245.452	255.688	233.95	-0.15	-7.2	99	48.54	19.939	8	-88.7	-0.9	41.2
08/05/04	04:30:52	27.28	245.004	255.688	233.32	0.04	1.9	99	48.54	19.951	8.01	-89.1	0.2	4.5
08/05/04	05:00:52	27.2	245.395	255.688	233.87	-0.17	-7.7	96	48.54	19.939	8	-88.4	0.3	37.2
08/05/04	05:30:52	27.32	244.827	255.691	233.07	0	0	99	48.53	19.949	8	-88.9	0.3	37.6
08/05/04	06:00:52	27.37	244.635	255.691	232.8	-0.22	-10.4	100	48.51	19.941	8.06	-92.1	-0.1	36.2
08/05/04	06:30:52	27.37	244.63	255.695	232.79	-0.07	-3.1	99	48.52	19.944	8.04	-91.1	-0.4	38.5
08/05/04	07:00:52	27.35	244.704	255.691	232.9	-0.1	-4.6	99	48.5	19.935	8.03	-90.3	-0.5	39.4
08/05/04	07:30:52	27.3	244.93	255.691	233.21	-0.08	-3.6	99	48.53	19.946	8.01	-89.2	0.4	4.5
08/05/04	08:00:52	27.43	244.348	255.695	232.4	-0.11	-5	100	48.51	19.945	8.02	-89.8	-1.4	39.4
08/05/04	08:30:52	27.37	244.598	255.691	232.75	-0.03	-1.3	99	48.56	19.972	8.02	-89.6	0	43.3
08/05/04	09:00:52	27.43	244.348	255.695	232.4	-0.16	-7.2	99	48.57	19.982	8.07	-92.5	0.9	10.3
08/05/04	09:30:52	27.44	244.303	255.695	232.33	-0.27	-12.7	99	48.62	20.011	8.08	-93	0.1	48
08/05/04	10:00:52	27.44	244.323	255.699	232.36	-0.27	-12.3	99	48.61	20.008	8.09	-93.9	0.1	35.6
08/05/04	10:30:52	27.46	244.205	255.695	232.2	-0.15	-7.1	98	48.65	20.036	8.1	-94.1	0.6	34.4
08/05/04	11:00:52	27.45	244.282	255.699	232.3	-0.13	-6.2	99	48.67	20.043	8.1	-94.2	0.3	33.8
08/05/04	11:30:52	27.36	244.663	255.695	232.84	-0.24	-10.9	99	48.68	20.039	8.1	-94.3	0.8	33
08/05/04	12:00:52	27.2	245.369	255.691	233.83	-0.33	-15.3	99	48.68	20.023	8.1	-94.3	7.3	32.5
08/05/04	12:30:52	27.2	245.378	255.691	233.84	-0.05	-2.5	99	48.69	20.032	8.1	-94.2	18.5	34.6
08/05/04	13:00:52	27.15	245.584	255.688	234.13	-0.26	-12.1	99	48.67	20.016	8.1	-94.2	29.8	31.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/05/04	13:30:52	27.13	245.703	255.691	234.3	-0.26	-12	99	48.67	20.007	8.12	-95.2	53	30.8
08/05/04	14:00:52	27.06	246.001	255.688	234.72	-0.43	-19.9	99	48.64	19.988	8.11	-94.6	43.9	32.3
08/05/04	14:30:52	27.09	245.89	255.688	234.56	-0.22	-10.3	99	48.63	19.98	8.15	-96.8	95.4	2.5
08/05/04	15:00:52	27.02	246.171	255.688	234.96	-0.34	-16	99	48.61	19.961	8.14	-96.5	116	32.6
08/05/04	15:30:52	27.05	246.038	255.691	234.77	-0.24	-11.2	100	48.58	19.95	8.15	-96.8	136.4	32.8
08/05/04	16:00:52	27.09	245.885	255.691	234.56	-0.43	-20.1	99	48.55	19.937	8.15	-96.9	157.7	37.1
08/05/04	16:30:52	27.08	245.931	255.691	234.62	-0.25	-11.9	99	48.54	19.931	8.13	-96.1	178.2	38.5
08/05/04	17:00:52	27.1	245.844	255.695	234.5	-0.34	-16.1	99	48.51	19.915	8.13	-96.1	195.8	36.4
08/05/04	17:30:52	27.14	245.658	255.691	234.24	-0.33	-15.4	99	48.48	19.901	8.14	-96.4	201.3	36.9
08/05/04	18:00:52	27.14	245.654	255.695	234.23	-0.18	-8.6	99	48.48	19.898	8.13	-95.9	214.4	36.6
08/05/04	18:30:52	27.17	245.501	255.695	234.02	-0.38	-17.7	99	48.46	19.893	8.13	-95.9	198.1	35.5
08/05/04	19:00:52	27.12	245.744	255.695	234.36	-0.28	-13.2	99	48.47	19.889	8.12	-95.3	189.2	3
08/05/04	19:30:52	27.1	245.848	255.691	234.5	-0.27	-12.5	99	48.47	19.888	8.12	-95.3	138.4	3.2
08/05/04	20:00:52	27.11	245.782	255.691	234.41	-0.01	-0.4	99	48.5	19.906	8.13	-95.9	184.7	2.5
08/05/04	20:30:52	27.16	245.559	255.695	234.1	-0.37	-17.4	99	48.5	19.912	8.14	-96.6	178.8	2.8
08/05/04	21:00:52	27.21	245.341	255.691	233.79	-0.45	-21.1	99	48.5	19.921	8.13	-95.9	103.7	2.7
08/05/04	21:30:52	27.29	244.995	255.695	233.3	-0.42	-19.6	99	48.51	19.934	8.14	-96.8	145.1	3.1
08/05/04	22:00:52	27.34	244.745	255.695	232.95	-0.22	-10.2	100	48.54	19.954	8.14	-96.7	128.1	4.3
08/05/04	22:30:52	27.39	244.528	255.695	232.65	-0.03	-1.4	99	48.57	19.976	8.14	-96.9	98.8	2.8
08/05/04	23:00:52	27.38	244.573	255.695	232.71	0.12	5.7	99	48.58	19.984	8.14	-96.3	69.9	3
08/05/04	23:30:52	27.38	244.581	255.699	232.72	-0.13	-5.9	99	48.6	19.997	8.11	-94.7	39.7	44.6
08/06/04	00:00:52	27.39	244.54	255.695	232.67	-0.02	-1	99	48.63	20.016	8.08	-93.4	25.7	3.1
08/06/04	00:30:52	27.38	244.561	255.695	232.7	-0.08	-3.9	99	48.63	20.016	8.07	-92.6	9.6	3.1
08/06/04	01:00:52	27.38	244.597	255.695	232.75	-0.06	-2.7	99	48.63	20.013	8.06	-91.9	1.5	48.6
08/06/04	01:30:52	27.35	244.696	255.695	232.88	-0.05	-2.2	99	48.65	20.021	8.05	-91.7	0	2.9
08/06/04	02:00:52	27.36	244.659	255.691	232.83	-0.04	-2.1	99	48.67	20.032	8.04	-90.9	-0	3.4
08/06/04	02:30:52	27.37	244.602	255.695	232.75	-0.06	-3	99	48.65	20.026	8.03	-90.2	0.3	56.9
08/06/04	03:00:52	27.36	244.679	255.695	232.86	-0.08	-3.9	99	48.67	20.035	8.03	-90	0.3	57.4
08/06/04	03:30:52	27.35	244.733	255.695	232.94	-0.13	-6.1	99	48.65	20.023	8.01	-89.4	0.4	57
08/06/04	04:00:52	27.35	244.733	255.695	232.94	0.01	0.5	98	48.64	20.016	8.01	-89.2	0.3	73.1
08/06/04	04:30:52	27.37	244.626	255.695	232.79	0.07	3.4	99	48.65	20.025	8	-88.5	0.6	3.9
08/06/04	05:00:52	27.36	244.667	255.695	232.84	0.07	3.3	99	48.65	20.025	8	-88.4	0.4	3.3
08/06/04	05:30:52	27.36	244.671	255.699	232.85	-0.05	-2.4	100	48.64	20.015	7.98	-87.6	0.4	2.8
08/06/04	06:00:52	27.37	244.642	255.695	232.81	0.12	5.4	99	48.63	20.008	8	-88.4	0.5	4.2
08/06/04	06:30:52	27.4	244.507	255.699	232.62	0.02	1	99	48.63	20.013	7.99	-87.8	0.2	3.2
08/06/04	07:00:52	27.41	244.45	255.695	232.54	0.09	4.1	99	48.67	20.038	7.97	-87.2	-0.1	3
08/06/04	07:30:52	27.43	244.344	255.699	232.39	0.03	1.3	99	48.6	20.001	7.97	-87	0.2	3
08/06/04	08:00:52	27.44	244.315	255.699	232.35	0.13	5.8	99	48.6	20.001	7.96	-86.2	0.6	3.1
08/06/04	08:30:52	27.42	244.397	255.699	232.47	0.12	5.6	99	48.64	20.023	7.96	-86.3	0.4	3.1
08/06/04	09:00:52	27.44	244.315	255.699	232.35	0.16	7.6	99	48.65	20.028	7.94	-85	0.4	3.2
08/06/04	09:30:52	27.45	244.278	255.699	232.3	0.14	6.3	99	48.68	20.049	7.93	-84.9	0.1	3
08/06/04	10:00:52	27.49	244.078	255.703	232.02	0.07	3.3	99	48.67	20.047	7.94	-85.2	-0.1	2.9
08/06/04	10:30:52	27.54	243.875	255.699	231.73	0.11	5	99	48.69	20.064	7.97	-86.9	0.2	6.5
08/06/04	11:00:52	27.59	243.663	255.703	231.44	-0.14	-6.3	99	48.67	20.061	8.02	-89.6	0.1	8.8
08/06/04	11:30:52	27.71	243.125	255.703	230.68	-0.03	-1.4	99	48.71	20.092	8.08	-93.5	0.8	9.8
08/06/04	12:00:52	27.72	243.092	255.703	230.64	-0.08	-3.7	99	48.75	20.117	8.1	-94.1	8.7	3.4
08/06/04	12:30:52	27.78	242.798	255.703	230.23	-0.44	-20.1	99	48.68	20.082	8.11	-94.8	14.9	1.7
08/06/04	13:00:52	27.78	242.79	255.703	230.21	-0.04	-2	99	48.69	20.092	8.1	-94.6	20.1	1.6
08/06/04	13:30:52	27.74	242.992	255.699	230.5	-0.18	-8.1	99	48.67	20.071	8.1	-94.4	10.6	1.7
08/06/04	14:00:52	27.8	242.716	255.711	230.11	-0.14	-6.3	99	48.62	20.052	8.11	-94.8	35.4	1.7
08/06/04	14:30:52	27.8	242.728	255.715	230.13	-0.3	-13.7	99	48.64	20.063	8.11	-94.8	38.3	1.8
08/06/04	15:00:52	27.81	242.704	255.715	230.09	-0.06	-2.9	99	48.57	20.017	8.12	-95.5	61.1	2
08/06/04	15:30:52	27.82	242.66	255.715	230.03	-0.16	-7.2	99	48.56	20.013	8.13	-96.3	74.8	1.8
08/06/04	16:00:52	27.86	242.479	255.715	229.78	-0.3	-13.7	99	48.51	19.991	8.15	-97.2	117.7	2
08/06/04	16:30:52	27.95	242.053	255.711	229.19	-0.21	-9.6	99	48.48	19.979	8.13	-96.2	102.9	2.1
08/06/04	17:00:52	27.89	242.326	255.715	229.57	-0.16	-7.5	99	48.45	19.959	8.15	-97	123	1.8
08/06/04	17:30:52	27.94	242.129	255.715	229.29	-0.23	-10.6	99	48.45	19.964	8.14	-96.9	77.2	2.1
08/06/04	18:00:52	28.14	241.262	255.715	228.08	-0.15	-6.8	99	48.4	19.954	8.14	-96.6	95.9	2.5
08/06/04	18:30:52	27.94	242.109	255.723	229.26	-0.17	-7.6	99	48.39	19.929	8.15	-97.5	109.9	2.4
08/06/04	19:00:52	28.01	241.821	255.715	228.86	-0.1	-4.4	99	48.36	19.915	8.14	-96.9	88.8	2.6
08/06/04	19:30:52	27.99	241.921	255.719	229	-0.12	-5.6	98	48.39	19.933	8.14	-96.9	79.2	2.7
08/06/04	20:00:52	27.99	241.897	255.719	228.97	-0.11	-5	99	48.38	19.923	8.14	-96.8	101.9	2.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/06/04	20:30:52	27.98	241.953	255.719	229.05	-0.13	-5.8	99	48.38	19.923	8.14	-96.9	95.8	9.5
08/06/04	21:00:52	27.99	241.897	255.719	228.97	-0.08	-3.7	99	48.42	19.949	8.16	-98.1	128.7	16.9
08/06/04	21:30:52	27.96	242.025	255.719	229.15	-0.21	-9.8	99	48.43	19.951	8.2	-100	126.4	15.8
08/06/04	22:00:52	27.98	241.929	255.719	229.01	-0.02	-0.9	99	48.45	19.965	8.15	-97.3	65.1	4.3
08/06/04	22:30:52	27.96	242.053	255.715	229.19	-0.15	-6.9	99	48.47	19.976	8.14	-96.9	38	4.2
08/06/04	23:00:52	27.98	241.961	255.715	229.06	-0.27	-12.2	99	48.49	19.987	8.14	-96.6	31.9	4.5
08/06/04	23:30:52	27.98	241.965	255.715	229.06	-0.21	-9.8	99	48.53	20.013	8.13	-96.1	17.3	3.6
08/07/04	00:00:52	27.96	242.033	255.715	229.16	-0.14	-6.4	99	48.54	20.02	8.12	-95.5	10.2	4.5
08/07/04	00:30:52	27.95	242.085	255.715	229.23	-0.27	-12.2	99	48.58	20.039	8.1	-94.7	6.1	5.7
08/07/04	01:00:52	27.94	242.098	255.711	229.25	-0.15	-7	99	48.6	20.052	8.1	-94.4	1.7	7
08/07/04	01:30:52	27.97	242.001	255.711	229.11	-0.2	-9.1	99	48.63	20.075	8.08	-93.4	0.9	7.5
08/07/04	02:00:52	27.95	242.07	255.711	229.21	-0.09	-4.2	99	48.68	20.101	8.08	-93.4	0.7	6.7
08/07/04	02:30:52	27.95	242.09	255.711	229.24	-0.11	-5.1	99	48.69	20.104	8.07	-92.6	0.8	6.6
08/07/04	03:00:52	27.96	242.033	255.715	229.16	0.02	0.9	99	48.69	20.104	8.07	-92.7	1	8.2
08/07/04	03:30:52	27.93	242.166	255.711	229.34	-0.02	-1	99	48.7	20.113	8.04	-90.9	-0.2	7.6
08/07/04	04:00:52	27.78	242.813	255.711	230.25	-0.04	-1.7	99	48.71	20.104	8.04	-90.9	0.5	6.8
08/07/04	04:30:52	27.65	243.388	255.703	231.05	0.02	1.1	99	48.74	20.105	8.04	-90.8	0.4	6.1
08/07/04	05:00:52	27.59	243.659	255.703	231.43	-0.04	-1.6	99	48.72	20.09	8.03	-90.1	0.4	9.4
08/07/04	05:30:52	27.58	243.68	255.703	231.46	0.03	1.3	99	48.74	20.097	8.02	-89.6	0.3	8.4
08/07/04	06:00:52	27.56	243.769	255.699	231.59	0.12	5.4	99	48.74	20.099	8.01	-89.4	0.4	8.4
08/07/04	06:30:52	27.57	243.757	255.703	231.57	-0.16	-7.5	99	48.73	20.091	8.01	-89.2	0.1	9
08/07/04	07:00:52	27.56	243.789	255.703	231.61	-0.01	-0.3	99	48.74	20.094	8	-88.4	0.1	7.3
08/07/04	07:30:52	27.6	243.603	255.703	231.35	0.09	4.4	99	48.73	20.093	7.99	-88	-0.1	5.6
08/07/04	08:00:52	28.16	241.172	255.707	227.96	-0.07	-3.3	99	48.71	20.139	8.08	-93.5	-0.6	5.4
08/07/04	08:30:52	28.31	240.524	255.719	227.06	-0.16	-7.1	99	48.71	20.151	8.11	-94.8	0.7	5.5
08/07/04	09:00:52	28.29	240.595	255.723	227.15	-0.07	-3.1	99	48.7	20.146	8.1	-94.3	0.4	4.9
08/07/04	09:30:52	28.38	240.231	255.723	226.65	-0.14	-6.2	99	48.71	20.161	8.11	-95.3	0.2	5.1
08/07/04	10:00:52	28.41	240.089	255.727	226.45	-0.08	-3.7	99	48.71	20.162	8.12	-95.6	0.4	6.2
08/07/04	10:30:52	28.35	240.369	255.727	226.84	-0.1	-4.3	99	48.71	20.156	8.12	-95.8	0.8	4.9
08/07/04	11:00:52	28.34	240.397	255.727	226.88	-0.2	-9.2	99	48.72	20.163	8.12	-95.7	0.4	7.8
08/07/04	11:30:52	28.33	240.433	255.723	226.93	-0.05	-2.4	99	48.71	20.158	8.12	-95.5	0.6	8.3
08/07/04	12:00:52	28.34	240.409	255.727	226.9	-0.07	-3.4	99	48.7	20.15	8.12	-95.5	5.6	7.5
08/07/04	12:30:52	28.3	240.579	255.723	227.13	-0.15	-6.8	99	48.69	20.142	8.12	-95.8	15.6	10.1
08/07/04	13:00:52	28.22	240.904	255.719	227.58	-0.21	-9.4	99	48.68	20.126	8.13	-96.1	29.9	7.3
08/07/04	13:30:52	28.13	241.313	255.727	228.15	-0.11	-4.9	99	48.65	20.099	8.15	-97.2	53.5	7
08/07/04	14:00:52	27.98	241.949	255.715	229.04	-0.05	-2.2	99	48.65	20.083	8.16	-97.8	75	8.3
08/07/04	14:30:52	27.96	242.037	255.719	229.16	-0.14	-6.3	99	48.61	20.062	8.18	-99.1	91.7	8.8
08/07/04	15:00:52	27.81	242.684	255.715	230.07	-0.22	-9.9	99	48.58	20.029	8.17	-98.3	111.9	9.7
08/07/04	15:30:52	27.83	242.607	255.715	229.96	-0.23	-10.8	99	48.55	20.013	8.2	-100	118	10.8
08/07/04	16:00:52	27.81	242.684	255.711	230.07	-0.28	-12.8	99	48.51	19.986	8.19	-99.6	153.7	10.1
08/07/04	16:30:52	27.86	242.447	255.711	229.74	-0.2	-9.4	99	48.47	19.969	8.2	-100	168.2	13.9
08/07/04	17:00:52	27.79	242.785	255.711	230.21	-0.28	-12.7	99	48.45	19.949	8.16	-98.1	181.2	11.2
08/07/04	17:30:52	27.83	242.6	255.711	229.95	-0.33	-14.9	99	48.41	19.929	8.17	-98.2	205.5	11.7
08/07/04	18:00:52	27.79	242.781	255.711	230.2	-0.13	-5.8	99	48.38	19.904	8.17	-98.1	197	13
08/07/04	18:30:52	27.76	242.902	255.711	230.37	-0.2	-9.3	99	48.35	19.884	8.16	-98.1	175.9	14.8
08/07/04	19:00:52	27.77	242.841	255.711	230.29	-0.24	-11.2	99	48.32	19.871	8.17	-98.4	193.6	19.6
08/07/04	19:30:52	27.77	242.874	255.711	230.33	-0.33	-15.3	99	48.32	19.866	8.16	-97.8	216	7.8
08/07/04	20:00:52	27.78	242.797	255.711	230.22	-0.13	-6.1	99	48.31	19.864	8.16	-98	194.2	7.1
08/07/04	20:30:52	27.84	242.571	255.711	229.91	-0.21	-9.7	99	48.31	19.869	8.17	-98.6	175.6	7.6
08/07/04	21:00:52	27.88	242.399	255.711	229.67	-0.38	-17.2	99	48.31	19.875	8.18	-98.8	141	6.8
08/07/04	21:30:52	27.77	242.845	255.711	230.29	-0.34	-15.6	99	48.33	19.873	8.17	-98.6	138.9	7.6
08/07/04	22:00:52	27.7	243.172	255.711	230.75	-0.27	-12.3	99	48.36	19.885	8.15	-97	68.2	8.3
08/07/04	22:30:52	27.14	245.666	255.699	234.25	-0.44	-20.5	99	48.38	19.842	8.15	-97	98.3	8.6
08/07/04	23:00:52	27.01	246.241	255.691	235.06	-0.44	-20.8	93	48.42	19.849	8.12	-95.4	48.4	8.3
08/07/04	23:30:52	26.94	246.553	255.688	235.5	-0.36	-17	81	48.45	19.859	8.11	-95	40.4	9.4
08/08/04	00:00:52	26.92	246.645	255.68	235.63	-0.48	-22.5	70	48.48	19.875	8.11	-95	30.7	9.5
08/08/04	00:30:52	26.96	246.466	255.684	235.38	-0.32	-15	69	48.54	19.916	8.1	-94.1	11.8	8.7
08/08/04	01:00:52	26.95	246.491	255.684	235.41	-0.47	-21.9	65	48.59	19.944	8.09	-93.6	0.6	9.1
08/08/04	01:30:52	26.96	246.462	255.684	235.37	-0.43	-20.1	67	48.63	19.966	8.09	-93.6	0.2	9
08/08/04	02:00:52	27.02	246.197	255.684	235	-0.3	-14.3	67	48.67	19.996	8.08	-93.1	0.3	8.1
08/08/04	02:30:52	26.98	246.355	255.68	235.22	-0.35	-16.2	62	48.72	20.022	8.09	-93.6	0.3	7.5
08/08/04	03:00:52	26.98	246.371	255.684	235.24	-0.39	-18.3	57	48.74	20.035	8.09	-93.6	0.3	5.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/08/04	03:30:52	26.97	246.392	255.684	235.27	-0.41	-19.2	56	48.77	20.056	8.07	-92.8	0.2	4.2
08/08/04	04:00:52	26.99	246.334	255.68	235.19	-0.37	-17.2	55	48.81	20.079	8.07	-92.6	-0	4.8
08/08/04	04:30:52	26.96	246.467	255.68	235.38	-0.31	-14.4	61	48.83	20.089	8.08	-93.1	0.3	5.5
08/08/04	05:00:52	26.96	246.479	255.684	235.39	-0.36	-16.7	60	48.84	20.094	8.08	-93	0.4	12.2
08/08/04	05:30:52	26.97	246.429	255.684	235.32	-0.34	-16.1	57	48.85	20.1	8.07	-92.8	0.3	7.2
08/08/04	06:00:52	26.94	246.525	255.68	235.46	-0.33	-15.7	57	48.87	20.107	8.07	-92.7	-0.1	6.4
08/08/04	06:30:52	26.95	246.517	255.68	235.45	-0.28	-13.4	55	48.88	20.113	8.06	-91.9	0.7	7.5
08/08/04	07:00:52	26.93	246.6	255.68	235.56	-0.31	-14.4	52	48.86	20.102	8.06	-91.9	0.1	6.8
08/08/04	07:30:52	26.93	246.587	255.68	235.55	-0.32	-15.2	51	48.86	20.102	8.05	-91.4	-0.1	6.8
08/08/04	08:00:52	26.95	246.496	255.68	235.42	-0.3	-14	51	48.85	20.1	8.05	-91.1	0.1	7.2
08/08/04	08:30:52	26.96	246.462	255.68	235.37	-0.28	-13.3	52	48.84	20.095	8.04	-90.8	-0.4	7.5
08/08/04	09:00:52	26.98	246.379	255.68	235.25	-0.24	-11.2	54	48.84	20.096	8.03	-90.1	0.2	7.6
08/08/04	09:30:52	26.97	246.408	255.68	235.29	-0.19	-9	51	48.83	20.089	8.01	-89.2	-0	8.3
08/08/04	10:00:52	26.98	246.358	255.684	235.22	-0.15	-7.1	50	48.82	20.086	8	-88.5	0.1	7.9
08/08/04	10:30:52	27.01	246.222	255.68	235.03	-0.08	-3.9	50	48.82	20.087	7.99	-88	-0.3	10.9
08/08/04	11:00:52	27.01	246.218	255.68	235.03	-0.1	-4.7	49	48.8	20.078	8	-88.4	0.1	12.2
08/08/04	11:30:52	27.01	246.234	255.68	235.05	-0.05	-2.3	50	48.8	20.074	7.97	-87	0.4	13.1
08/08/04	12:00:52	27.02	246.193	255.68	234.99	0.04	1.9	48	48.78	20.062	7.97	-86.8	6.8	14.2
08/08/04	12:30:52	27.03	246.147	255.68	234.93	-0.02	-0.8	49	48.76	20.054	8	-88.6	17.8	17.8
08/08/04	13:00:52	27.05	246.043	255.684	234.78	0.1	4.5	48	48.73	20.039	8	-88.8	30.7	12.6
08/08/04	13:30:52	27.17	245.494	255.684	234.01	-0.17	-7.8	50	48.72	20.044	8.1	-94.4	54	11.6
08/08/04	14:00:52	27.2	245.395	255.688	233.87	-0.17	-8.1	51	48.69	20.031	8.16	-97.4	73.9	11.6
08/08/04	14:30:52	27.27	245.086	255.691	233.43	-0.27	-12.5	52	48.66	20.019	8.2	-99.9	96.1	12.6
08/08/04	15:00:52	27.2	245.398	255.691	233.87	-0.14	-6.6	51	48.62	19.988	8.17	-98.2	118.1	12
08/08/04	15:30:52	27.24	245.188	255.691	233.58	-0.2	-9.2	50	48.58	19.966	8.17	-98.3	137.3	9.8
08/08/04	16:00:52	27.28	245.011	255.695	233.33	-0.29	-13.3	51	48.53	19.944	8.18	-98.6	155.2	9.5
08/08/04	16:30:52	27.32	244.868	255.695	233.13	-0.31	-14.6	52	48.49	19.92	8.2	-99.7	177.9	10.7
08/08/04	17:00:52	27.34	244.741	255.695	232.95	-0.34	-15.7	52	48.43	19.889	8.16	-97.8	195.8	29.2
08/08/04	17:30:52	27.38	244.565	255.688	232.7	-0.38	-17.6	52	48.38	19.866	8.16	-97.5	183.4	12.6
08/08/04	18:00:52	27.39	244.504	255.688	232.62	-0.37	-17.1	52	48.33	19.837	8.15	-97	207.8	14.4
08/08/04	18:30:52	27.45	244.271	255.688	232.29	-0.44	-20.6	53	48.3	19.825	8.16	-97.5	206	14.2
08/08/04	19:00:52	27.46	244.202	255.688	232.19	-0.44	-20.6	53	48.26	19.801	8.16	-97.7	220.2	30.3
08/08/04	19:30:52	27.47	244.153	255.688	232.12	-0.46	-21.5	53	48.25	19.798	8.15	-97.2	278.4	18.6
08/08/04	20:00:52	27.54	243.848	255.688	231.7	-0.51	-23.4	53	48.2	19.772	8.18	-98.7	213.4	16.4
08/08/04	20:30:52	27.74	242.993	255.688	230.5	-0.52	-24.1	53	48.2	19.793	8.2	-99.9	190.8	16.5
08/08/04	21:00:52	27.67	243.283	255.695	230.9	-0.51	-23.7	53	48.13	19.744	8.18	-98.9	171.3	13.4
08/08/04	21:30:52	27.6	243.588	255.688	231.33	-0.54	-24.9	53	48.18	19.766	8.2	-99.9	152.9	17.7
08/08/04	22:00:52	27.5	244.035	255.688	231.96	-0.54	-25.1	53	48.21	19.772	8.18	-98.9	129.4	16.6
08/08/04	22:30:52	27.37	244.59	255.684	232.74	-0.52	-24.1	53	48.2	19.759	8.19	-99.4	103.3	24.4
08/08/04	23:00:52	27.14	245.622	255.68	234.19	-0.47	-22	52	48.21	19.737	8.17	-98.2	79.1	14.7
08/08/04	23:30:52	26.95	246.48	255.672	235.4	-0.48	-22.5	53	48.25	19.743	8.15	-97.3	51.3	15.2
08/09/04	00:00:52	26.81	247.109	255.668	236.28	-0.46	-21.7	52	48.29	19.752	8.14	-96.4	27.9	28.1
08/09/04	00:30:52	26.73	247.469	255.664	236.79	-0.42	-19.9	52	48.36	19.786	8.13	-95.8	11.1	33
08/09/04	01:00:52	26.66	247.801	255.66	237.26	-0.4	-18.9	52	48.36	19.781	8.13	-95.6	1.6	22.1
08/09/04	01:30:52	26.7	247.625	255.66	237.01	-0.37	-17.7	51	48.47	19.848	8.13	-95.6	0.6	26.7
08/09/04	02:00:52	26.69	247.679	255.66	237.09	-0.38	-17.9	52	48.5	19.863	8.12	-95.3	0.5	22.6
08/09/04	02:30:52	26.72	247.508	255.66	236.85	-0.37	-17.5	51	48.51	19.875	8.12	-95.4	-0	13.6
08/09/04	03:00:52	26.69	247.654	255.66	237.05	-0.33	-15.5	51	48.6	19.926	8.11	-95	0.5	10.9
08/09/04	03:30:52	26.74	247.415	255.66	236.72	-0.31	-14.6	51	48.64	19.955	8.11	-94.6	0.2	13.2
08/09/04	04:00:52	26.8	247.168	255.664	236.37	-0.32	-15.1	51	48.69	19.991	8.12	-95.1	-0	17.9
08/09/04	04:30:52	26.76	247.34	255.66	236.61	-0.34	-15.9	52	48.72	20	8.12	-95.4	0.2	34.4
08/09/04	05:00:52	26.72	247.524	255.66	236.87	-0.32	-15.3	51	48.75	20.013	8.12	-95.3	0.2	23.1
08/09/04	05:30:52	26.7	247.629	255.66	237.02	-0.33	-15.6	51	48.76	20.02	8.12	-95.5	-0.1	9.7
08/09/04	06:00:52	26.65	247.86	255.66	237.34	-0.32	-15.3	51	48.79	20.029	8.12	-95	-0.5	15.5
08/09/04	06:30:52	26.64	247.881	255.656	237.37	-0.32	-15	51	48.8	20.035	8.12	-95	-0	24.1
08/09/04	07:00:52	26.62	247.974	255.66	237.5	-0.28	-13.1	51	48.78	20.022	8.11	-94.9	-0.2	34.6
08/09/04	07:30:52	26.61	248.05	255.656	237.61	-0.29	-13.6	50	48.82	20.043	8.11	-94.5	-0.1	17.7
08/09/04	08:00:52	26.61	248.008	255.656	237.55	-0.25	-12	50	48.8	20.033	8.09	-93.7	-0.4	16.9
08/09/04	08:30:52	26.61	248.041	255.656	237.6	-0.24	-11.2	50	48.83	20.051	8.09	-93.4	0.1	20.5
08/09/04	09:00:52	26.65	247.852	255.652	237.33	-0.19	-8.9	50	48.81	20.046	8.07	-92.7	-0.5	15.9
08/09/04	09:30:52	26.67	247.764	255.656	237.21	-0.16	-7.4	50	48.81	20.046	8.07	-92.2	0	19.4
08/09/04	10:00:52	26.66	247.818	255.656	237.29	-0.14	-6.5	49	48.79	20.03	8.06	-91.9	-0.2	10.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/09/04	10:30:52	26.67	247.776	255.656	237.23	-0.12	-5.8	49	48.77	20.021	8.06	-91.7	-0	18.9
08/09/04	11:00:52	26.67	247.738	255.66	237.17	-0.08	-3.7	48	48.77	20.023	8.05	-91.2	0.1	29.8
08/09/04	11:30:52	26.69	247.679	255.66	237.09	-0.06	-2.7	49	48.8	20.04	8.04	-90.8	0.1	15.6
08/09/04	12:00:52	26.67	247.747	255.656	237.18	-0.05	-2.6	49	48.74	20.005	8.05	-91.3	6.5	7.4
08/09/04	12:30:52	26.67	247.738	255.66	237.17	-0.05	-2.3	49	48.74	20.007	8.05	-91.1	19.7	10.7
08/09/04	13:00:52	26.7	247.6	255.66	236.98	-0.03	-1.3	49	48.76	20.018	8.06	-92	36.3	15.4
08/09/04	13:30:52	26.74	247.449	255.66	236.76	-0.02	-1	49	48.72	19.999	8.08	-93	55.6	7.9
08/09/04	14:00:52	26.75	247.398	255.664	236.69	-0.06	-2.7	48	48.68	19.975	8.09	-93.8	70.3	9.2
08/09/04	14:30:52	26.79	247.223	255.664	236.44	-0.07	-3.5	49	48.62	19.946	8.13	-96.1	92	13.1
08/09/04	15:00:52	26.82	247.08	255.668	236.24	-0.11	-5.1	49	48.61	19.944	8.18	-98.5	120.3	11.1
08/09/04	15:30:52	26.87	246.859	255.668	235.93	-0.13	-5.9	49	48.58	19.931	8.17	-98.2	141.6	18.3
08/09/04	16:00:52	26.91	246.651	255.668	235.64	-0.17	-7.9	50	48.5	19.889	8.18	-98.4	161.5	2.2
08/09/04	16:30:52	27.04	246.09	255.668	234.85	-0.18	-8.6	51	48.5	19.898	8.17	-98	182.4	14.8
08/09/04	17:00:52	27.07	245.949	255.672	234.65	-0.28	-13.1	52	48.44	19.869	8.19	-99.4	194.9	8.9
08/09/04	17:30:52	27.16	245.549	255.672	234.08	-0.39	-18.1	52	48.43	19.873	8.18	-98.6	207.2	11.2
08/09/04	18:00:52	27.41	244.444	255.676	232.53	-0.45	-21.1	53	48.36	19.857	8.2	-99.7	212.1	14.2
08/09/04	18:30:52	27.49	244.092	255.684	232.04	-0.47	-21.7	53	48.31	19.833	8.21	-100.4	215.7	12.6
08/09/04	19:00:52	27.5	244.043	255.688	231.97	-0.5	-23	53	48.3	19.827	8.2	-100.2	221.3	9.6
08/09/04	19:30:52	27.49	244.088	255.684	232.03	-0.47	-21.7	53	48.22	19.778	8.2	-100.2	201.3	10.5
08/09/04	20:00:52	27.47	244.182	255.684	232.16	-0.46	-21.1	53	48.19	19.76	8.2	-99.7	192.8	18.1
08/09/04	20:30:52	27.48	244.133	255.684	232.1	-0.44	-20.5	53	48.17	19.748	8.19	-99.7	154.3	24.7
08/09/04	21:00:52	27.47	244.186	255.688	232.17	-0.42	-19.5	53	48.17	19.747	8.19	-99.2	89.1	11.2
08/09/04	21:30:52	27.44	244.292	255.684	232.32	-0.44	-20.4	53	48.16	19.741	8.21	-100.3	117.5	8.4
08/09/04	22:00:52	27.28	245.017	255.68	233.34	-0.47	-21.9	53	48.14	19.711	8.22	-101.4	103.6	7.5
08/09/04	22:30:52	27.17	245.503	255.676	234.02	-0.45	-20.8	53	48.15	19.704	8.2	-99.7	96.6	8
08/09/04	23:00:52	27	246.285	255.672	235.12	-0.42	-19.7	53	48.16	19.692	8.17	-98.3	46	14.7
08/09/04	23:30:52	26.83	247.017	255.668	236.15	-0.42	-19.9	52	48.2	19.701	8.17	-98.3	50.3	2.8
08/10/04	00:00:52	26.78	247.239	255.664	236.47	-0.39	-18.6	52	48.21	19.703	8.15	-97	27.3	3.8
08/10/04	00:30:52	26.74	247.423	255.664	236.73	-0.38	-18	52	48.28	19.738	8.14	-96.2	8.6	2.6
08/10/04	01:00:52	26.68	247.696	255.664	237.11	-0.35	-16.4	52	48.32	19.757	8.13	-96.1	1.4	4.3
08/10/04	01:30:52	26.64	247.91	255.66	237.42	-0.33	-15.6	51	48.34	19.766	8.13	-95.7	0.4	5.3
08/10/04	02:00:52	26.53	248.399	255.656	238.11	-0.35	-16.6	51	48.43	19.808	8.13	-95.6	-0.1	3.2
08/10/04	02:30:52	26.46	248.738	255.652	238.59	-0.35	-16.8	51	48.47	19.82	8.13	-96	0.1	5.1
08/10/04	03:00:52	26.47	248.666	255.652	238.49	-0.32	-15.4	51	48.54	19.864	8.13	-95.8	-0.1	2.9
08/10/04	03:30:52	26.52	248.459	255.652	238.19	-0.32	-15	51	48.61	19.911	8.13	-95.7	0.3	3.9
08/10/04	04:00:52	26.52	248.459	255.656	238.19	-0.32	-15.4	51	48.7	19.964	8.13	-95.8	-0.4	4.1
08/10/04	04:30:52	26.43	248.857	255.652	238.76	-0.32	-15.1	51	48.69	19.951	8.12	-95.5	0.6	1.7
08/10/04	05:00:52	26.37	249.141	255.652	239.16	-0.31	-15	51	48.78	19.995	8.12	-95.5	-0.2	5
08/10/04	05:30:52	26.29	249.515	255.648	239.69	-0.33	-15.7	52	48.81	20.004	8.13	-96	0.4	5.1
08/10/04	06:00:52	26.29	249.486	255.641	239.65	-0.33	-15.6	51	48.84	20.025	8.13	-95.9	0.2	4.3
08/10/04	06:30:52	26.28	249.524	255.645	239.7	-0.31	-14.6	51	48.86	20.032	8.12	-95.4	-0.3	3.9
08/10/04	07:00:52	26.36	249.171	255.645	239.2	-0.3	-14.1	51	48.88	20.056	8.12	-95.2	-0.3	6.1
08/10/04	07:30:52	26.31	249.378	255.621	239.5	-0.28	-13.1	51	48.88	20.051	8.11	-94.9	-0.8	8.4
08/10/04	08:00:52	26.31	249.401	255.645	239.53	-0.25	-11.8	51	48.92	20.076	8.11	-94.4	0.1	5.6
08/10/04	08:30:52	26.37	249.137	255.645	239.15	-0.21	-10.1	50	48.91	20.074	8.08	-93.1	-1.2	6.1
08/10/04	09:00:52	26.38	249.065	255.645	239.05	-0.18	-8.8	51	48.9	20.066	8.08	-92.7	0.5	7.2
08/10/04	09:30:52	26.41	248.954	255.648	238.89	-0.12	-5.7	50	48.92	20.083	8.06	-91.9	-0	7.1
08/10/04	10:00:52	26.38	249.099	255.648	239.1	-0.08	-3.9	50	48.91	20.075	8.06	-91.7	-0.5	7.8
08/10/04	10:30:52	26.4	249.001	255.652	238.96	-0.06	-2.8	50	48.88	20.056	8.05	-91.4	0.3	7.2
08/10/04	11:00:52	26.39	249.022	255.652	238.99	-0.05	-2.4	49	48.89	20.061	8.05	-91	-0.4	7.5
08/10/04	11:30:52	26.42	248.92	255.652	238.85	0	0.2	49	48.89	20.068	8.03	-89.9	0.1	8.4
08/10/04	12:00:52	26.44	248.806	255.652	238.68	0.07	3.6	48	48.86	20.054	8.01	-88.9	6.1	9
08/10/04	12:30:52	26.5	248.522	255.652	238.28	0.11	5.4	48	48.86	20.055	8.02	-89.5	15.5	9.8
08/10/04	13:00:52	26.62	247.97	255.656	237.5	-0.03	-1.4	49	48.83	20.05	8.11	-94.7	33.9	11.1
08/10/04	13:30:52	26.75	247.407	255.66	236.7	-0.15	-7.1	51	48.81	20.057	8.19	-99.2	58.3	8.6
08/10/04	14:00:52	26.81	247.143	255.664	236.33	-0.26	-12.2	52	48.77	20.037	8.23	-101.5	71.5	9.3
08/10/04	14:30:52	26.84	247.013	255.672	236.15	-0.25	-11.9	52	48.75	20.031	8.27	-104.1	99.8	9.1
08/10/04	15:00:52	26.92	246.646	255.672	235.63	-0.37	-17.2	53	48.72	20.02	8.31	-106.2	122.4	11.3
08/10/04	15:30:52	26.9	246.704	255.672	235.71	-0.33	-15.7	53	48.68	19.993	8.17	-98.1	51.7	11.3
08/10/04	16:00:52	26.96	246.459	255.676	235.37	-0.34	-16	53	48.62	19.966	8.17	-98.2	53.9	14.6
08/10/04	16:30:52	27.12	245.717	255.676	234.32	-0.42	-19.8	53	48.58	19.958	8.36	-108.9	195.5	14.1
08/10/04	17:00:52	27.07	245.974	255.676	234.68	-0.34	-16	53	48.55	19.934	8.16	-97.4	25.4	15.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/10/04	17:30:52	27.1	245.8	255.676	234.44	-0.39	-18	53	48.5	19.907	8.23	-101.8	96.5	16.6
08/10/04	18:00:52	27.07	245.97	255.672	234.68	-0.43	-20.1	53	48.46	19.878	8.22	-101	120.4	18.3
08/10/04	18:30:52	27.08	245.928	255.68	234.62	-0.46	-21.6	54	48.38	19.83	8.28	-104.6	184.1	17.9
08/10/04	19:00:52	27.09	245.861	255.684	234.52	-0.53	-24.9	55	48.34	19.811	8.28	-104.2	231.2	18.4
08/10/04	19:30:52	27.08	245.924	255.68	234.61	-0.52	-24.4	54	48.28	19.772	8.27	-104	227.9	18.1
08/10/04	20:00:52	27.22	245.28	255.68	233.71	-0.56	-26.2	55	48.23	19.761	8.29	-105.2	201.1	18.3
08/10/04	20:30:52	27.12	245.709	255.68	234.31	-0.58	-27.2	55	48.19	19.725	8.28	-104.6	197.3	22.4
08/10/04	21:00:52	27.17	245.502	255.68	234.02	-0.55	-25.5	55	48.19	19.728	8.25	-103	144.2	19.6
08/10/04	21:30:52	27.18	245.457	255.68	233.95	-0.54	-25.2	54	48.13	19.693	8.26	-103.2	110.9	19.6
08/10/04	22:00:52	27.19	245.412	255.68	233.89	-0.49	-22.7	54	48.12	19.691	8.24	-102.1	89.8	20.8
08/10/04	22:30:52	27.26	245.099	255.676	233.45	-0.48	-22.4	54	48.1	19.685	8.24	-102.4	104.6	17.3
08/10/04	23:00:52	27.26	245.079	255.68	233.42	-0.4	-18.8	52	48.09	19.682	8.18	-99.1	53.4	12.8
08/10/04	23:30:52	27.32	244.845	255.68	233.09	-0.41	-19.1	53	48.11	19.695	8.18	-99	54.8	10.6
08/11/04	00:00:52	27.28	245.025	255.68	233.35	-0.37	-17.3	53	48.17	19.727	8.14	-96.3	12.2	11.8
08/11/04	00:30:52	27.19	245.42	255.676	233.9	-0.37	-17.4	53	48.2	19.735	8.14	-96.3	8.1	16.4
08/11/04	01:00:52	27.11	245.779	255.676	234.41	-0.36	-16.6	52	48.23	19.75	8.13	-95.8	1	15.9
08/11/04	01:30:52	27.03	246.111	255.672	234.87	-0.33	-15.5	52	48.26	19.757	8.12	-95.3	0.3	13.2
08/11/04	02:00:52	27.01	246.231	255.672	235.04	-0.31	-14.5	52	48.32	19.793	8.12	-95.5	-0.1	14.2
08/11/04	02:30:52	27	246.269	255.668	235.1	-0.3	-14	52	48.4	19.836	8.12	-95.1	0.9	15.5
08/11/04	03:00:52	27	246.244	255.668	235.06	-0.3	-13.9	52	48.48	19.887	8.12	-95.1	-0	14.7
08/11/04	03:30:52	27.01	246.227	255.668	235.04	-0.27	-12.6	52	48.52	19.91	8.11	-94.9	-0.1	14.4
08/11/04	04:00:52	27.03	246.119	255.672	234.89	-0.25	-11.6	51	48.6	19.959	8.1	-93.9	0.7	12.5
08/11/04	04:30:52	27.06	245.995	255.668	234.71	-0.22	-10.5	51	48.68	20.008	8.1	-94.1	0.7	23.4
08/11/04	05:00:52	27.14	245.644	255.668	234.22	-0.22	-10.4	51	48.71	20.038	8.09	-93.9	0	25.6
08/11/04	05:30:52	27.08	245.924	255.672	234.61	-0.19	-8.7	51	48.81	20.09	8.09	-93.4	0.6	12.4
08/11/04	06:00:52	27.07	245.953	255.672	234.65	-0.15	-7.1	51	48.86	20.116	8.07	-92.8	0	12.6
08/11/04	06:30:52	27.08	245.904	255.668	234.58	-0.15	-6.8	51	48.89	20.134	8.07	-92.6	0.3	254.2
08/11/04	07:00:52	27.09	245.875	255.672	234.54	-0.11	-5.3	50	48.93	20.159	8.07	-92.3	0.4	9.5
08/11/04	07:30:52	27.1	245.829	255.672	234.48	-0.06	-2.9	50	48.92	20.156	8.05	-91.2	0.3	8.9
08/11/04	08:00:52	27.1	245.796	255.672	234.43	-0.05	-2.4	50	48.96	20.184	8.05	-91.3	-0.1	7.7
08/11/04	08:30:52	27.1	245.833	255.672	234.48	-0.03	-1.6	50	48.9	20.145	8.04	-90.9	0.4	6.3
08/11/04	09:00:52	27.16	245.544	255.672	234.08	-0.01	-0.3	50	48.99	20.205	8.04	-91	0.2	7.8
08/11/04	09:30:52	27.34	244.755	255.676	232.97	-0.11	-5	51	49	20.231	8.08	-93.2	0.3	7.9
08/11/04	10:00:52	27.41	244.407	255.68	232.48	-0.24	-11.3	52	48.88	20.167	8.12	-95.6	0.1	9.9
08/11/04	10:30:52	27.29	244.948	255.676	233.24	-0.32	-15	53	48.95	20.194	8.15	-96.9	0.6	7.3
08/11/04	11:00:52	27.23	245.239	255.676	233.65	-0.32	-15.1	53	48.96	20.194	8.14	-96.4	0.7	5
08/11/04	11:30:52	27.08	245.895	255.676	234.57	-0.36	-16.8	53	48.87	20.126	8.15	-96.9	0.6	8.9
08/11/04	12:00:52	26.88	246.796	255.672	235.84	-0.39	-18.4	53	48.92	20.131	8.15	-96.9	5.7	21.3
08/11/04	12:30:52	26.82	247.063	255.668	236.22	-0.37	-17.3	53	48.91	20.12	8.15	-97.2	16.3	14.6
08/11/04	13:00:52	26.83	247.047	255.668	236.19	-0.37	-17.3	53	48.91	20.122	8.11	-94.6	30.6	8.9
08/11/04	13:30:52	26.82	247.089	255.664	236.25	-0.37	-17.2	53	48.93	20.132	8.17	-98.4	44.2	13.1
08/11/04	14:00:52	26.82	247.097	255.664	236.27	-0.35	-16.5	53	48.81	20.062	8.21	-100.2	60.6	8.9
08/11/04	14:30:52	26.72	247.549	255.664	236.9	-0.39	-18.6	53	48.78	20.032	8.23	-101.7	82.1	14.8
08/11/04	15:00:52	26.67	247.755	255.66	237.2	-0.42	-19.7	53	48.76	20.014	8.27	-103.7	116.3	7.6
08/11/04	15:30:52	26.7	247.625	255.66	237.01	-0.41	-19.6	53	48.78	20.029	8.28	-104.1	121.5	10.5
08/11/04	16:00:52	26.72	247.52	255.66	236.86	-0.43	-20.5	54	48.69	19.981	8.27	-103.6	114	9.4
08/11/04	16:30:52	26.79	247.223	255.66	236.44	-0.45	-21.2	54	48.67	19.976	8.31	-105.8	178.9	9.8
08/11/04	17:00:52	26.84	246.968	255.664	236.08	-0.45	-21.2	54	48.61	19.944	8.26	-103.1	141.5	10.2
08/11/04	17:30:52	26.86	246.892	255.668	235.98	-0.44	-20.6	54	48.61	19.949	8.22	-101	109.9	9.2
08/11/04	18:00:52	26.99	246.31	255.668	235.16	-0.47	-21.9	55	48.53	19.916	8.25	-102.8	151.5	12.5
08/11/04	18:30:52	27.08	245.883	255.672	234.55	-0.48	-22.3	54	48.46	19.885	8.23	-101.8	124.4	11.7
08/11/04	19:00:52	27.04	246.065	255.672	234.81	-0.54	-25.4	55	48.41	19.85	8.25	-102.7	134.5	12.8
08/11/04	19:30:52	27.12	245.73	255.672	234.34	-0.56	-26.2	56	48.34	19.814	8.23	-101.7	106.7	12.8
08/11/04	20:00:52	27.19	245.4	255.672	233.87	-0.54	-25.4	55	48.31	19.803	8.24	-102.3	81.4	13.1
08/11/04	20:30:52	27.23	245.219	255.676	233.62	-0.54	-25.3	55	48.24	19.768	8.24	-102.2	85.8	13.3
08/11/04	21:00:52	27.29	244.976	255.676	233.28	-0.52	-24.1	55	48.21	19.754	8.25	-102.8	109.5	18.2
08/11/04	21:30:52	27.36	244.632	255.676	232.8	-0.47	-22	55	48.19	19.749	8.27	-103.7	124.7	20
08/11/04	22:00:52	27.36	244.632	255.68	232.79	-0.45	-20.8	54	48.12	19.707	8.2	-100.1	72.2	23.1
08/11/04	22:30:52	27.33	244.8	255.68	233.03	-0.45	-21.1	55	48.12	19.703	8.23	-101.9	99.8	14.9
08/11/04	23:00:52	27.31	244.869	255.68	233.13	-0.46	-21.2	54	48.11	19.698	8.22	-100.9	64	15.7
08/11/04	23:30:52	27.34	244.75	255.68	232.96	-0.41	-19	54	48.07	19.673	8.17	-98.2	40.5	12.2
08/12/04	00:00:52	27.34	244.759	255.68	232.97	-0.37	-17	53	48.15	19.725	8.15	-97.1	23	15.2

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
08/12/04	00:30:52	27.33	244.775	255.68	233	-0.33	-15.4	53	48.16	19.729	8.13	-96.3	8.6	15.1
08/12/04	01:00:52	27.34	244.759	255.676	232.97	-0.3	-14	53	48.2	19.755	8.12	-95.5	0.9	14.8
08/12/04	01:30:52	27.46	244.199	255.68	232.19	-0.31	-14.4	53	48.23	19.786	8.12	-95.7	0.6	13.1
08/12/04	02:00:52	27.45	244.263	255.684	232.28	-0.33	-15.2	53	48.17	19.749	8.13	-96	0.1	9
08/12/04	02:30:52	27.44	244.28	255.68	232.3	-0.34	-16	53	48.28	19.811	8.13	-95.8	-0	10.7
08/12/04	03:00:52	27.4	244.488	255.68	232.59	-0.33	-15.4	53	48.36	19.852	8.13	-95.9	-0.4	10.6
08/12/04	03:30:52	27.35	244.689	255.68	232.88	-0.32	-15.1	53	48.44	19.896	8.13	-95.8	0.1	14.7
08/12/04	04:00:52	27.34	244.75	255.68	232.96	-0.3	-14.1	53	48.48	19.919	8.13	-95.8	0.1	13.7
08/12/04	04:30:52	27.34	244.722	255.68	232.92	-0.3	-14.1	53	48.62	20.004	8.12	-95.6	-0.3	9.6
08/12/04	05:00:52	27.37	244.615	255.68	232.77	-0.25	-11.8	52	48.62	20.004	8.11	-95.2	0.1	4.8
08/12/04	05:30:52	27.37	244.583	255.676	232.73	-0.23	-10.7	53	48.72	20.065	8.11	-94.8	-0.4	11.7
08/12/04	06:00:52	27.37	244.603	255.68	232.75	-0.21	-9.6	52	48.79	20.104	8.1	-94	0.3	7.8
08/12/04	06:30:52	27.39	244.501	255.68	232.61	-0.16	-7.5	52	48.8	20.115	8.09	-93.5	0	5.6
08/12/04	07:00:52	27.37	244.587	255.68	232.73	-0.14	-6.5	52	48.83	20.129	8.08	-93.4	0.2	4
08/12/04	07:30:52	27.42	244.403	255.68	232.47	-0.06	-2.9	51	48.87	20.162	8.06	-92.2	-0.3	6
08/12/04	08:00:52	27.43	244.345	255.68	232.39	-0.04	-2	51	48.91	20.183	8.06	-92	-0.3	5.4
08/12/04	08:30:52	27.41	244.415	255.684	232.49	-0.07	-3.2	51	48.91	20.184	8.06	-92	-0	6.1
08/12/04	09:00:52	27.41	244.407	255.68	232.48	-0.04	-1.6	51	48.95	20.208	8.06	-91.7	0	6.4
08/12/04	09:30:52	27.45	244.239	255.684	232.24	-0.03	-1.3	51	48.96	20.218	8.05	-91.6	-0.1	6.8
08/12/04	10:00:52	27.49	244.088	255.684	232.03	-0.22	-10.3	53	48.97	20.229	8.12	-95.4	-0.2	9.9
08/12/04	10:30:52	27.4	244.468	255.684	232.56	-0.28	-12.9	53	48.98	20.226	8.13	-95.8	0.3	9.8
08/12/04	11:00:52	27.43	244.354	255.68	232.4	-0.28	-13	53	48.98	20.228	8.12	-95.5	0.1	10.3
08/12/04	11:30:52	27.41	244.431	255.68	232.51	-0.27	-12.3	53	48.95	20.209	8.13	-95.7	0.1	9.8
08/12/04	12:00:52	27.36	244.639	255.684	232.81	-0.28	-13	54	48.91	20.175	8.13	-95.9	3.8	11.4
08/12/04	12:30:52	27.29	244.968	255.68	233.27	-0.29	-13.7	53	48.9	20.165	8.14	-96.7	13.6	9.9
08/12/04	13:00:52	27.21	245.346	255.68	233.8	-0.31	-14.7	54	48.89	20.151	8.18	-98.6	29.8	10.8
08/12/04	13:30:52	27.11	245.763	255.676	234.38	-0.35	-16.2	54	48.89	20.141	8.24	-101.9	49.3	12.2
08/12/04	14:00:52	27.06	246.007	255.676	234.73	-0.37	-17.2	55	48.87	20.121	8.27	-103.7	91	13.8
08/12/04	14:30:52	27.01	246.219	255.668	235.03	-0.36	-16.6	54	48.81	20.084	8.18	-98.5	41.3	10.9
08/12/04	15:00:52	26.87	246.83	255.668	235.89	-0.39	-18.2	54	48.81	20.064	8.3	-105.5	109.4	15.8
08/12/04	15:30:52	26.47	248.699	255.66	238.53	-0.42	-20.1	55	48.83	20.035	8.31	-105.7	123	13.7
08/12/04	16:00:52	26.46	248.721	255.656	238.56	-0.46	-21.9	55	48.74	19.983	8.35	-108.4	157.8	14.8
08/12/04	16:30:52	26.48	248.623	255.66	238.42	-0.47	-22.3	55	48.72	19.972	8.24	-102.3	92.1	13.4
08/12/04	17:00:52	26.53	248.404	255.656	238.11	-0.5	-23.9	55	48.65	19.936	8.3	-105.7	154.9	13.6
08/12/04	17:30:52	26.56	248.243	255.66	237.89	-0.55	-26.3	55	48.65	19.942	8.24	-102.3	97.3	13.2
08/12/04	18:00:52	26.65	247.86	255.664	237.34	-0.55	-26	55	48.59	19.913	8.28	-104.5	199.4	16.3
08/12/04	18:30:52	26.68	247.734	255.66	237.17	-0.57	-27.1	56	48.53	19.879	8.25	-102.7	98.9	2
08/12/04	19:00:52	26.88	246.814	255.66	235.87	-0.47	-22.3	55	48.47	19.868	8.27	-103.9	209.6	-0.2
08/12/04	19:30:52	26.74	247.432	255.66	236.74	-0.45	-21.2	55	48.42	19.821	8.22	-101	172.6	0
08/12/04	20:00:52	26.77	247.289	255.664	236.54	-0.43	-20.2	55	48.36	19.792	8.21	-100.3	99.2	0.6
08/12/04	20:30:52	26.84	246.967	255.668	236.08	-0.46	-21.5	55	48.3	19.76	8.24	-102.4	177	0.4
08/12/04	21:00:52	26.85	246.955	255.664	236.07	-0.44	-20.8	55	48.28	19.75	8.19	-99.1	39.3	-0.2
08/12/04	21:30:52	26.87	246.838	255.668	235.9	-0.46	-21.5	55	48.2	19.707	8.2	-100	69.1	0
08/12/04	22:00:52	27.35	244.681	255.672	232.86	-0.48	-22.1	56	48.12	19.706	8.26	-103.5	121.7	0.1
08/12/04	22:30:52	27.99	241.875	255.688	228.94	-0.34	-15.4	55	48.15	19.792	8.22	-101.2	105.8	0.3
08/12/04	23:00:52	28.06	241.571	255.695	228.51	-0.31	-14.1	54	48.09	19.758	8.17	-98.1	28.8	-0
08/12/04	23:30:52	28.23	240.846	255.699	227.5	-0.29	-13	54	48.11	19.79	8.17	-98.3	30.2	0.1
08/13/04	00:00:52	28.22	240.886	255.703	227.56	-0.26	-11.9	54	48.05	19.749	8.15	-97.6	18.6	0
08/13/04	00:30:52	28.2	240.989	255.707	227.7	-0.32	-14.5	55	48.06	19.756	8.15	-97	7.7	1198.9
08/13/04	01:00:52	28.27	240.671	255.707	227.26	-0.29	-13.2	54	48.04	19.753	8.14	-96.5	1.3	0.7
08/13/04	01:30:52	28.16	241.16	255.707	227.94	-0.3	-13.8	55	48.11	19.781	8.14	-96.7	0.1	141.8
08/13/04	02:00:52	28.02	241.75	255.703	228.76	-0.31	-14.2	55	48.16	19.795	8.14	-96.4	-0.1	4.2
08/13/04	02:30:52	28.01	241.794	255.699	228.82	-0.32	-14.7	55	48.19	19.814	8.13	-96.4	0.1	3.3
08/13/04	03:00:52	28.02	241.734	255.699	228.74	-0.32	-14.5	54	48.25	19.85	8.14	-96.5	0.9	3.2
08/13/04	03:30:52	28.11	241.299	255.652	228.14	-0.32	-14.4	54	48.3	19.894	8.14	-96.7	0.4	4
08/13/04	04:00:52	28.1	241.373	255.672	228.24	-0.33	-14.9	54	48.4	19.947	8.14	-96.6	1.2	5.4
08/13/04	04:30:52	28.2	240.92	255.664	227.61	-0.33	-14.9	55	48.44	19.984	8.14	-96.9	0.3	6.2
08/13/04	05:00:52	28.21	240.941	255.703	227.64	-0.35	-16.1	54	48.52	20.03	8.14	-96.9	0.5	-0.4
08/13/04	05:30:52	28.14	241.24	255.699	228.05	-0.35	-15.8	54	48.59	20.064	8.14	-96.9	0.2	-0.3
08/13/04	06:00:52	28.14	241.225	255.684	228.03	-0.36	-16.3	54	48.63	20.087	8.14	-96.7	-0.8	-0.1
08/13/04	06:30:52	28.12	241.343	255.703	228.2	-0.35	-15.9	54	48.69	20.123	8.14	-96.8	-0.3	-0.4
08/13/04	07:00:52	28.12	241.327	255.707	228.17	-0.35	-15.8	54	48.74	20.153	8.14	-97	-0.1	-0

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/13/04	07:30:52	28.09	241.471	255.703	228.37	-0.35	-16	54	48.77	20.17	8.15	-97	0.1	0.7
08/13/04	08:00:52	27.96	242.022	255.699	229.14	-0.35	-16.1	55	48.83	20.192	8.14	-96.9	0.1	0.1
08/13/04	08:30:52	27.96	242.022	255.699	229.14	-0.34	-15.7	54	48.81	20.182	8.14	-96.6	0.4	-0.5
08/13/04	09:00:52	27.92	242.175	255.695	229.36	-0.35	-15.9	55	48.9	20.229	8.14	-96.7	0.1	-0.5
08/13/04	09:30:52	27.88	242.364	255.695	229.62	-0.35	-15.9	54	48.89	20.216	8.14	-96.7	-0.4	0.5
08/13/04	10:00:52	27.73	243.012	255.695	230.53	-0.37	-17.1	55	48.93	20.226	8.14	-96.6	-0.6	-0.5
08/13/04	10:30:52	27.57	243.714	255.684	231.51	-0.37	-17	54	48.96	20.232	8.13	-96.3	-0.4	-0.4
08/13/04	11:00:52	27.54	243.819	255.645	231.66	-0.36	-16.4	54	48.93	20.209	8.13	-96.2	-0.5	0.5
08/13/04	11:30:52	27.62	243.507	255.688	231.22	-0.36	-16.6	54	48.97	20.239	8.13	-96.3	0.1	1.2
08/13/04	12:00:52	27.58	243.677	255.688	231.46	-0.36	-16.6	54	48.95	20.225	8.14	-96.5	4.4	0
08/13/04	12:30:52	27.49	244.06	255.684	231.99	-0.38	-17.5	54	48.87	20.169	8.15	-97	13.8	1.6
08/13/04	13:00:52	27.25	245.145	255.676	233.52	-0.41	-19.3	54	48.96	20.198	8.15	-97.1	16.4	-0.5
08/13/04	13:30:52	26.97	246.422	255.672	235.31	-0.4	-18.7	54	48.87	20.11	8.15	-97.1	27.9	-0.5
08/13/04	14:00:52	26.46	248.736	255.668	238.58	-0.44	-20.8	54	48.85	20.049	8.21	-100	52	1.8
08/13/04	14:30:52	26.33	249.264	255.609	239.33	-0.41	-19.5	54	48.86	20.039	8.23	-101.5	87.4	1.7
08/13/04	15:00:52	26.33	248.291	254.594	237.96	-0.46	-21.8	54	48.82	20.037	8.25	-102.5	108.9	0.9
08/13/04	15:30:52	26.34	249.22	255.59	239.27	-0.45	-21.4	55	48.78	19.996	8.26	-103.3	128.4	0.9
08/13/04	16:00:52	26.43	248.803	255.598	238.68	-0.46	-22	55	48.77	19.999	8.27	-103.5	155.9	1
08/13/04	16:30:52	26.51	248.469	255.637	238.21	-0.46	-22.1	55	48.74	19.989	8.25	-102.4	172.1	1.1
08/13/04	17:00:52	26.57	248.215	255.648	237.85	-0.48	-22.6	55	48.71	19.978	8.23	-101.3	193.8	0.7
08/13/04	17:30:52	26.6	248.055	255.648	237.62	-0.5	-23.8	56	48.64	19.94	8.21	-100.4	199.7	1.4
08/13/04	18:00:52	26.55	244.032	251.246	232	-0.52	-23.7	56	48.6	20.001	8.2	-100	205.2	-0.4
08/13/04	18:30:52	26.28	249.483	255.594	239.64	-0.47	-22.6	56	48.63	19.898	8.19	-99.3	205.5	0.7
08/13/04	19:00:52	26.21	249.779	255.547	240.06	-0.49	-23.4	56	48.52	19.826	8.2	-99.9	207.6	1.8
08/13/04	19:30:52	26.23	249.644	255.496	239.87	-0.49	-23.6	56	48.51	19.827	8.2	-99.4	200.3	1.3
08/13/04	20:00:52	26.25	249.576	255.527	239.78	-0.49	-23.6	56	48.39	19.757	8.2	-99.8	191.7	0.8
08/13/04	20:30:52	26.27	249.419	255.484	239.55	-0.5	-24.1	56	48.37	19.748	8.21	-100.3	176.5	1.8
08/13/04	21:00:52	26.34	249.293	255.656	239.37	-0.53	-25.4	56	48.28	19.698	8.21	-100.5	157.3	2.1
08/13/04	21:30:52	26.35	249.243	255.652	239.3	-0.53	-25.2	56	48.17	19.635	8.21	-100.3	131.8	2.8
08/13/04	22:00:52	26.38	249.073	255.652	239.06	-0.55	-26.1	56	48.22	19.669	8.21	-100.5	112.7	0.9
08/13/04	22:30:52	26.68	247.701	255.656	237.12	-0.5	-23.7	56	47.97	19.549	8.19	-99.3	89.3	5.7
08/13/04	23:00:52	27.35	244.673	255.672	232.85	-0.42	-19.6	55	48.04	19.66	8.19	-99.3	67.4	1.5
08/13/04	23:30:52	27.44	244.305	255.68	232.34	-0.39	-18.1	55	48.12	19.718	8.17	-98.1	43.7	1.3
08/14/04	00:00:52	27.34	244.763	255.68	232.98	-0.39	-18.3	55	48.01	19.641	8.15	-97.4	23.8	4.5
08/14/04	00:30:52	27.27	245.03	255.672	233.35	-0.39	-18.3	54	47.92	19.577	8.14	-96.8	8.6	0.2
08/14/04	01:00:52	27.26	243.434	253.93	231.14	-0.39	-17.9	55	48.03	19.681	8.14	-96.4	0.7	1.4
08/14/04	01:30:52	27.29	244.914	255.641	233.19	-0.37	-17.3	55	48.06	19.664	8.15	-96.9	0.2	-0.2
08/14/04	02:00:52	27.41	244.063	255.32	232	-0.37	-17	55	48.06	19.685	8.15	-97	0.4	0.1
08/14/04	02:30:52	27.43	243.896	255.227	231.77	-0.37	-16.9	55	48.18	19.757	8.15	-97	0.3	1.7
08/14/04	03:00:52	27.38	243.863	254.957	231.73	-0.37	-16.9	54	48.09	19.705	8.15	-97	-0.3	0.9
08/14/04	03:30:52	27.34	244.21	255.137	232.21	-0.36	-16.7	54	48.29	19.814	8.15	-97.1	0.3	0.9
08/14/04	04:00:52	27.29	244.637	255.352	232.81	-0.36	-16.7	54	48.34	19.839	8.15	-96.9	0	0.3
08/14/04	04:30:52	27.27	244.818	255.43	233.06	-0.35	-16.4	55	48.37	19.852	8.15	-96.9	0.3	0.7
08/14/04	05:00:52	27.3	244.854	255.621	233.11	-0.37	-17.3	55	48.45	19.898	8.15	-96.9	0.2	2.2
08/14/04	05:30:52	27.26	244.148	254.684	232.13	-0.39	-18	54	48.45	19.911	8.15	-97	-0.1	1.8
08/14/04	06:00:52	27.25	245.161	255.676	233.54	-0.38	-17.7	54	48.6	19.983	8.15	-96.9	0	0.1
08/14/04	06:30:52	27.22	243.763	254.094	231.6	-0.39	-18.2	55	48.67	20.05	8.15	-96.9	-0	0.1
08/14/04	07:00:52	27.21	245.331	255.668	233.78	-0.38	-17.8	54	48.68	20.028	8.15	-96.9	0	-0.4
08/14/04	07:30:52	27.24	245.174	255.672	233.56	-0.38	-17.5	54	48.76	20.077	8.14	-96.7	-0.1	2.1
08/14/04	08:00:52	27.26	243.309	253.813	230.97	-0.38	-17.3	55	48.79	20.132	8.14	-96.7	-0.5	0.8
08/14/04	08:30:52	27.26	243.455	253.969	231.17	-0.38	-17.3	55	48.75	20.104	8.14	-96.7	0	0
08/14/04	09:00:52	27.26	241.009	251.422	227.79	-0.38	-17.2	54	48.88	20.235	8.14	-96.6	0.2	1
08/14/04	09:30:52	27.27	241.794	252.262	228.87	-0.37	-16.7	54	48.85	20.201	8.14	-96.6	0	0.9
08/14/04	10:00:52	27.42	244.314	255.625	232.35	-0.37	-17	54	48.89	20.174	8.14	-96.6	-0.3	0.5
08/14/04	10:30:52	27.36	244.631	255.645	232.79	-0.37	-17.1	54	48.92	20.187	8.14	-96.5	-0.4	0.4
08/14/04	11:00:52	27.32	241.661	252.363	228.68	-0.37	-16.7	54	48.93	20.254	8.14	-96.5	0	-0.5
08/14/04	11:30:52	27.3	244.827	255.563	233.07	-0.37	-17.4	54	48.91	20.17	8.14	-96.4	1.1	-0.2
08/14/04	12:00:52	27.29	244.672	255.367	232.86	-0.38	-17.9	54	48.93	20.19	8.14	-96.4	5.9	0.2
08/14/04	12:30:52	27.33	244.474	255.34	232.58	-0.37	-17.3	54	48.96	20.21	8.14	-96.4	16	0.2
08/14/04	13:00:52	27.34	244.534	255.449	232.66	-0.38	-17.4	55	48.92	20.184	8.14	-96.8	33.4	1.2
08/14/04	13:30:52	27.3	244.792	255.543	233.02	-0.39	-17.9	54	48.96	20.203	8.17	-98.1	48.8	-0.4
08/14/04	14:00:52	27.35	244.322	255.309	232.36	-0.39	-17.9	55	48.89	20.175	8.18	-98.8	68.8	1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/14/04	14:30:52	27.29	244.943	255.68	233.23	-0.39	-18	55	48.93	20.181	8.17	-98.5	90.5	0.9
08/14/04	15:00:52	27.33	244.8	255.68	233.03	-0.41	-19	55	48.92	20.179	8.2	-100.2	111.7	-0.3
08/14/04	15:30:52	27.31	243.65	254.402	231.43	-0.41	-19.1	55	48.91	20.197	8.19	-99.5	133.5	-0
08/14/04	16:00:52	27.32	243.614	254.398	231.38	-0.39	-17.9	55	48.91	20.197	8.19	-99.2	146.6	0.1
08/14/04	16:30:52	27.32	244.685	255.504	232.87	-0.36	-16.9	55	48.81	20.116	8.18	-99.1	170.9	-0
08/14/04	17:00:52	27.41	244.416	255.672	232.49	-0.36	-16.5	55	48.77	20.101	8.18	-99.1	194.7	-0.3
08/14/04	17:30:52	27.3	244.846	255.617	233.1	-0.39	-18.2	55	48.72	20.057	8.18	-99	208	0.7
08/14/04	18:00:52	27.27	245.041	255.645	233.37	-0.35	-16.3	56	48.72	20.055	8.17	-98.4	219.9	0.1
08/14/04	18:30:52	27.35	241.75	252.617	228.81	-0.32	-14.6	56	48.73	20.13	8.17	-98.5	213.6	0.3
08/14/04	19:00:52	27.34	244.506	255.438	232.62	-0.33	-15.3	56	48.67	20.035	8.17	-98.1	258.3	0.6
08/14/04	19:30:52	27.39	244.31	255.484	232.35	-0.36	-16.6	56	48.62	20.014	8.18	-99	206.6	0.6
08/14/04	20:00:52	27.43	244.337	255.68	232.38	-0.32	-15	56	48.54	19.962	8.18	-98.9	200.8	0.6
08/14/04	20:30:52	27.4	244.437	255.664	232.52	-0.36	-16.7	56	48.47	19.918	8.18	-99.1	183.3	1
08/14/04	21:00:52	27.4	244.434	255.652	232.52	-0.34	-15.6	56	48.41	19.883	8.2	-99.8	169.3	-0.2
08/14/04	21:30:52	27.39	244.501	255.68	232.61	-0.35	-16.3	56	48.38	19.866	8.19	-99.2	143.7	0.1
08/14/04	22:00:52	27.38	244.517	255.637	232.63	-0.35	-16.1	56	48.31	19.823	8.18	-99.1	121.1	2.9
08/14/04	22:30:52	27.34	244.712	255.656	232.91	-0.33	-15.4	56	48.23	19.773	8.17	-98.4	92.2	1.8
08/14/04	23:00:52	27.32	244.833	255.668	233.08	-0.34	-15.7	55	48.29	19.804	8.16	-97.5	62.2	1.9
08/14/04	23:30:52	27.27	245.041	255.645	233.37	-0.34	-15.9	55	48.23	19.763	8.14	-96.6	28.9	0.3
08/15/04	00:00:52	27.21	245.299	255.652	233.73	-0.34	-15.7	55	48.19	19.735	8.14	-96.6	25.8	0.2
08/15/04	00:30:52	27.2	245.349	255.648	233.8	-0.31	-14.5	55	48.13	19.7	8.13	-96.1	8.5	0.8
08/15/04	01:00:52	27.27	244.971	255.602	233.27	-0.31	-14.4	55	48.09	19.682	8.13	-96	1	1.6
08/15/04	01:30:52	27.2	245.225	255.523	233.63	-0.32	-14.8	55	48.09	19.676	8.13	-96.1	0.1	1.4
08/15/04	02:00:52	27.15	245.231	255.281	233.64	-0.33	-15.4	55	48.16	19.719	8.14	-96.3	-0.3	-0.3
08/15/04	02:30:52	27.15	245.319	255.398	233.76	-0.33	-15.5	55	48.16	19.716	8.14	-96.5	0.3	1.7
08/15/04	03:00:52	27.12	245.026	254.965	233.36	-0.33	-15.2	54	48.24	19.768	8.14	-96.3	-0.4	6.9
08/15/04	03:30:52	27.16	245.211	255.324	233.61	-0.34	-15.6	55	48.2	19.743	8.14	-96.4	0.1	1.8
08/15/04	04:00:52	27.18	245.225	255.43	233.63	-0.33	-15.3	55	48.29	19.796	8.14	-96.3	-0.1	1.7
08/15/04	04:30:52	27.19	244.352	254.559	232.42	-0.34	-15.8	55	48.31	19.827	8.14	-96.4	-0.2	3.4
08/15/04	05:00:52	27.18	244.958	255.168	233.26	-0.35	-16.3	54	48.4	19.866	8.14	-96.4	0.2	0.9
08/15/04	05:30:52	27.23	245.235	255.676	233.64	-0.33	-15.2	54	48.48	19.909	8.14	-96.4	0.9	0.2
08/15/04	06:00:52	27.27	245.036	255.656	233.36	-0.35	-16.2	55	48.55	19.958	8.14	-96.6	-0.1	0.8
08/15/04	06:30:52	27.26	245.083	255.672	233.43	-0.36	-17	54	48.56	19.959	8.14	-96.6	0.1	1.6
08/15/04	07:00:52	27.26	244.915	255.5	233.19	-0.36	-16.9	54	48.64	20.013	8.14	-96.6	0.5	1.5
08/15/04	07:30:52	27.26	245.105	255.664	233.46	-0.36	-16.7	55	48.6	19.986	8.14	-96.6	-0	1
08/15/04	08:00:52	27.25	245.145	255.676	233.52	-0.35	-16.3	55	48.71	20.049	8.14	-96.4	0.4	0.1
08/15/04	08:30:52	27.25	245.119	255.645	233.48	-0.33	-15.5	55	48.82	20.114	8.14	-96.5	0.1	1
08/15/04	09:00:52	27.25	245.133	255.672	233.5	-0.35	-16.1	54	48.85	20.131	8.14	-96.7	-0.1	0.5
08/15/04	09:30:52	27.23	245.191	255.625	233.58	-0.34	-15.8	54	48.93	20.177	8.14	-96.7	-0	0.7
08/15/04	10:00:52	27.26	245.069	255.648	233.41	-0.35	-16.4	54	48.92	20.17	8.14	-96.7	0.3	0.1
08/15/04	10:30:52	27.29	244.909	255.602	233.19	-0.33	-15.4	54	48.98	20.214	8.14	-96.7	-0.4	0.4
08/15/04	11:00:52	27.31	244.332	255.102	232.38	-0.34	-15.7	55	48.98	20.223	8.15	-96.9	0.5	-0.1
08/15/04	11:30:52	27.34	244.759	255.676	232.97	-0.33	-15.5	54	48.94	20.192	8.15	-96.9	0.1	0.4
08/15/04	12:00:52	27.35	244.693	255.68	232.88	-0.32	-15	54	48.96	20.206	8.15	-96.9	5.7	0.8
08/15/04	12:30:52	27.32	244.836	255.68	233.08	-0.36	-16.7	55	48.99	20.22	8.15	-97.4	15.3	0.9
08/15/04	13:00:52	27.29	244.968	255.68	233.27	-0.31	-14.3	55	48.94	20.186	8.14	-96.7	27.3	0.6
08/15/04	13:30:52	27.29	244.955	255.68	233.25	-0.35	-16.4	55	48.97	20.207	8.16	-97.9	39	3.1
08/15/04	14:00:52	27.26	245.075	255.676	233.42	-0.35	-16.3	55	48.96	20.199	8.18	-98.9	64.6	1
08/15/04	14:30:52	27.26	245.091	255.68	233.44	-0.35	-16.4	55	48.93	20.181	8.16	-97.7	54.2	1.5
08/15/04	15:00:52	27.25	245.165	255.68	233.54	-0.35	-16.4	56	48.96	20.193	8.21	-100.8	124.3	0.3
08/15/04	15:30:52	27.27	245.02	255.652	233.34	-0.38	-17.5	55	48.91	20.171	8.22	-101.3	140.6	-0
08/15/04	16:00:52	27.3	244.931	255.68	233.21	-0.4	-18.7	56	48.91	20.172	8.23	-101.5	161.9	-0.5
08/15/04	16:30:52	27.3	244.923	255.68	233.2	-0.41	-18.9	55	48.87	20.148	8.2	-99.7	202.7	-0.2
08/15/04	17:00:52	27.26	245.12	255.68	233.48	-0.37	-17.2	56	48.89	20.154	8.2	-100	204.4	-0.2
08/15/04	17:30:52	27.2	245.371	255.68	233.83	-0.39	-18.1	56	48.85	20.128	8.19	-99.1	220.2	0.1
08/15/04	18:00:52	27.24	245.185	255.68	233.57	-0.4	-18.7	56	48.82	20.114	8.18	-99	219.9	-0.1
08/15/04	18:30:52	27.2	245.35	255.68	233.8	-0.33	-15.4	56	48.76	20.072	8.17	-98	84.1	-0.3
08/15/04	19:00:52	27.37	244.607	255.68	232.76	-0.4	-18.5	56	48.77	20.097	8.18	-99	223.7	-0
08/15/04	19:30:52	27.26	245.099	255.68	233.45	-0.42	-19.7	57	48.76	20.077	8.19	-99.5	225.7	-0.2
08/15/04	20:00:52	27.27	245.078	255.684	233.42	-0.4	-18.6	57	48.69	20.035	8.18	-98.7	220.8	-0.5
08/15/04	20:30:52	27.25	245.161	255.68	233.54	-0.38	-17.5	56	48.62	19.99	8.18	-98.7	188.1	2.8
08/15/04	21:00:52	27.25	245.132	255.68	233.5	-0.38	-17.9	57	48.57	19.961	8.2	-99.8	182.6	1.4

Appendix 5
Water Quality Data

East Flower Garden Bank July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/15/04	21:30:52	27.24	245.202	255.68	233.6	-0.39	-18.4	57	48.55	19.951	8.19	-99.3	151.9	1.1
08/15/04	22:00:52	27.25	245.144	255.68	233.51	-0.35	-16.5	57	48.46	19.899	8.2	-100	126.2	0.7
08/15/04	22:30:52	27.25	245.124	255.68	233.49	-0.37	-17.4	57	48.4	19.86	8.19	-99.6	98	-0.2
08/15/04	23:00:52	27.28	245.017	255.676	233.34	-0.33	-15.5	56	48.34	19.83	8.17	-98.3	69.2	-0.4
08/15/04	23:30:52	27.25	245.148	255.68	233.52	-0.36	-16.9	56	48.31	19.807	8.16	-97.5	46.9	-0.5
08/16/04	00:00:52	27.31	244.882	255.68	233.15	-0.3	-14	55	48.25	19.781	8.14	-96.4	22.6	-0.5
08/16/04	00:30:52	27.29	244.935	255.633	233.22	-0.26	-12.1	55	48.2	19.748	8.13	-96	7.4	0.8
08/16/04	01:00:52	27.26	245.083	255.676	233.43	-0.26	-12.1	55	48.2	19.745	8.13	-96	0.9	-0.5
08/16/04	01:30:52	27.28	244.983	255.648	233.29	-0.21	-9.9	55	48.21	19.752	8.13	-95.9	0.7	-0.5
08/16/04	02:00:52	27.29	244.944	255.672	233.23	-0.22	-10	55	48.16	19.726	8.12	-95.6	0.2	0
08/16/04	02:30:52	27.31	244.816	255.633	233.05	-0.2	-9.3	54	48.19	19.747	8.12	-95.6	-0.5	-0.4
08/16/04	03:00:52	27.31	244.845	255.637	233.09	-0.2	-9.5	55	48.22	19.762	8.13	-95.9	-0.2	-0.3
08/16/04	03:30:52	27.33	244.775	255.676	233	-0.18	-8.3	54	48.24	19.776	8.13	-95.8	-0.2	-0.5
08/16/04	04:00:52	27.32	244.808	255.672	233.04	-0.2	-9.2	55	48.27	19.793	8.13	-96.1	-0.5	-0.5
08/16/04	04:30:52	27.3	244.903	255.668	233.18	-0.2	-9.5	55	48.3	19.808	8.13	-96.1	-0.4	-0.5
08/16/04	05:00:52	27.32	244.853	255.68	233.11	-0.22	-10.4	54	48.38	19.858	8.13	-96.1	-0.1	-0.4
08/16/04	05:30:52	27.3	244.898	255.676	233.17	-0.2	-9.4	54	48.44	19.891	8.13	-96.1	0.2	-0.5
08/16/04	06:00:52	27.32	244.825	255.668	233.07	-0.21	-9.6	55	48.48	19.917	8.14	-96.4	0.1	-0.5
08/16/04	06:30:52	27.36	244.661	255.668	232.84	-0.21	-9.8	55	48.53	19.951	8.14	-96.4	-0.3	-0.5
08/16/04	07:00:52	27.29	244.96	255.68	233.26	-0.22	-10.3	55	48.6	19.989	8.14	-96.4	0.1	-0.5
08/16/04	07:30:52	27.29	244.98	255.676	233.28	-0.24	-11.3	55	48.66	20.02	8.14	-96.5	0.3	-0.5
08/16/04	08:00:52	27.24	245.181	255.68	233.57	-0.23	-10.7	55	48.69	20.032	8.14	-96.4	-0	-0.5
08/16/04	08:30:52	27.26	245.104	255.676	233.46	-0.24	-11.3	55	48.76	20.075	8.14	-96.6	-0	-0.5
08/16/04	09:00:52	27.36	244.64	255.68	232.81	-0.23	-10.5	54	48.78	20.099	8.14	-96.8	0	-0.5
08/16/04	09:30:52	27.39	244.501	255.68	232.61	-0.24	-11.2	55	48.83	20.134	8.14	-96.9	0.3	-0.5
08/16/04	10:00:52	27.39	244.541	255.684	232.67	-0.19	-9	55	48.83	20.135	8.15	-96.9	-0.2	-0.5
08/16/04	10:30:52	27.46	244.198	255.684	232.19	-0.22	-10.3	55	48.86	20.16	8.15	-97	0	5.2
08/16/04	11:00:52	27.47	244.157	255.684	232.13	-0.25	-11.4	55	48.89	20.178	8.14	-96.9	-0.2	-0.5
08/16/04	11:30:52	27.42	244.398	255.684	232.47	-0.25	-11.7	55	48.88	20.167	8.15	-96.9	0	-0.5
08/16/04	12:00:52	27.43	244.333	255.684	232.38	-0.25	-11.4	55	48.91	20.185	8.15	-97.1	4.9	-0.5
08/16/04	12:30:52	27.39	244.525	255.684	232.64	-0.27	-12.4	55	48.92	20.183	8.15	-97.2	16.3	-0.5
08/16/04	13:00:52	27.42	244.39	255.68	232.46	-0.24	-11.2	56	48.91	20.185	8.16	-97.7	31.5	0.1
08/16/04	13:30:52	27.39	244.529	255.684	232.65	-0.24	-11.2	56	48.92	20.188	8.17	-98.1	52.9	1.1
08/16/04	14:00:52	27.36	244.672	255.684	232.85	-0.29	-13.4	56	48.92	20.181	8.18	-98.8	77.3	-0.5
08/16/04	14:30:52	27.35	244.693	255.684	232.88	-0.26	-12.2	56	48.89	20.167	8.16	-97.5	51.3	-0.5
08/16/04	15:00:52	27.31	244.857	255.68	233.11	-0.32	-14.7	56	48.9	20.168	8.17	-98.3	82.4	-0.5
08/16/04	15:30:52	27.3	244.922	255.684	233.2	-0.31	-14.5	56	48.9	20.166	8.2	-100	107.1	-0.4
08/16/04	16:00:52	27.24	245.21	255.68	233.61	-0.3	-14.2	56	48.88	20.149	8.2	-99.9	199.5	-0.5
08/16/04	16:30:52	27.21	245.309	255.68	233.75	-0.32	-14.9	56	48.85	20.128	8.2	-99.7	191.2	-0.5
08/16/04	17:00:52	27.22	245.28	255.68	233.71	-0.29	-13.7	56	48.89	20.15	8.18	-98.8	201.1	-0.4
08/16/04	17:30:52	27.18	245.457	255.68	233.95	-0.32	-15.1	56	48.84	20.116	8.18	-98.8	231.2	-0.5
08/16/04	18:00:52	27.18	245.474	255.68	233.98	-0.32	-15.2	56	48.84	20.118	8.18	-98.8	228	-0.5
08/16/04	18:30:52	27.1	245.833	255.68	234.48	-0.32	-14.8	57	48.81	20.091	8.18	-98.5	228.1	-0.5
08/16/04	19:00:52	27.05	246.032	255.676	234.76	-0.31	-14.6	57	48.79	20.072	8.17	-98.3	230.6	-0.5
08/16/04	19:30:52	27.03	246.131	255.68	234.9	-0.32	-14.8	57	48.76	20.057	8.17	-98.4	214.5	-0.5
08/16/04	20:00:52	27.01	246.243	255.676	235.06	-0.4	-18.9	58	48.73	20.034	8.18	-99	206.7	-0.5
08/16/04	20:30:52	26.99	246.322	255.672	235.17	-0.36	-17.1	57	48.67	19.998	8.19	-99.4	193.2	-0.5
08/16/04	21:00:52	27.03	246.123	255.676	234.89	-0.33	-15.4	56	48.66	19.994	8.18	-98.6	171.7	-0.5
08/16/04	21:30:52	27.01	246.206	255.672	235.01	-0.35	-16.6	57	48.6	19.957	8.2	-99.6	150.1	-0.5
08/16/04	22:00:52	27.04	246.073	255.672	234.82	-0.35	-16.2	57	48.55	19.934	8.2	-99.7	122.6	-0.5
08/16/04	22:30:52	27.06	245.978	255.676	234.69	-0.32	-15	57	48.49	19.896	8.18	-98.8	95.5	-0.5
08/16/04	23:00:52	27.08	245.92	255.676	234.61	-0.3	-14.1	56	48.45	19.873	8.18	-98.6	69.9	-0.5
08/16/04	23:30:52	27.06	246.019	255.676	234.75	-0.29	-13.4	56	48.39	19.836	8.16	-97.9	49.2	-0.4
08/17/04	00:00:52	27.1	245.792	255.672	234.43	-0.24	-11.4	56	48.35	19.82	8.14	-96.7	29.7	-0.5
08/17/04	00:30:52	27.08	245.887	255.672	234.56	-0.21	-9.9	55	48.32	19.8	8.13	-95.8	11.5	-0.5
08/17/04	01:00:52	27.09	245.841	255.676	234.5	-0.15	-7.1	55	48.29	19.779	8.11	-95	0.4	-0.5
08/17/04	01:30:52	27.08	245.924	255.676	234.61	-0.1	-4.9	54	48.26	19.76	8.1	-94.4	-0.1	-0.5
08/17/04	02:00:52	27.11	242.653	252.453	230.06	-0.05	-2.5	54	48.26	19.828	8.09	-93.9	0.4	-0.5
08/17/04	02:30:52	27.13	245.697	255.672	234.29	-0.07	-3.5	55	48.25	19.763	8.1	-94.1	0.2	-0.5
08/17/04	03:00:52	27.17	245.519	255.676	234.04	-0.09	-4.1	55	48.24	19.759	8.11	-94.6	0.2	-0.5
08/17/04	03:30:52	27.28	245.001	255.68	233.31	-0.12	-5.8	55	48.27	19.788	8.12	-95.4	0.4	-0.5
08/17/04	04:00:52	27.33	244.787	255.68	233.01	-0.14	-6.3	55	48.29	19.808	8.12	-95.5	-0	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/17/04	04:30:52	27.37	244.628	255.68	232.79	-0.19	-8.8	56	48.31	19.821	8.13	-96.1	0.3	-0.5
08/17/04	05:00:52	27.35	244.718	255.68	232.92	-0.21	-9.6	56	48.37	19.852	8.14	-96.3	0.1	-0.5
08/17/04	05:30:52	27.37	244.607	255.68	232.76	-0.23	-10.8	56	48.4	19.877	8.13	-96.3	0.4	-0.5
08/17/04	06:00:52	27.39	244.529	255.68	232.65	-0.22	-10.1	56	48.47	19.916	8.13	-96.1	0.2	-0.5
08/17/04	06:30:52	27.31	244.861	255.68	233.12	-0.22	-10.2	55	48.51	19.935	8.14	-96.3	0.3	-0.4
08/17/04	07:00:52	27.3	244.943	255.684	233.23	-0.22	-10.3	56	48.55	19.959	8.13	-96.1	0	-0.5
08/17/04	07:30:52	27.22	245.28	255.68	233.71	-0.25	-11.5	56	48.61	19.983	8.13	-96	0.3	-0.5
08/17/04	08:00:52	27.19	245.436	255.68	233.93	-0.24	-11.1	55	48.64	19.996	8.13	-95.9	-0.2	-0.5
08/17/04	08:30:52	27.25	245.157	255.676	233.53	-0.26	-12	56	48.69	20.035	8.13	-96	0.1	-0.5
08/17/04	09:00:52	27.26	245.103	255.68	233.46	-0.26	-12.1	56	48.75	20.073	8.13	-96.2	0.1	-0.5
08/17/04	09:30:52	27.34	244.738	255.68	232.94	-0.25	-11.5	55	48.76	20.084	8.14	-96.4	0.2	-0.5
08/17/04	10:00:52	27.41	244.439	255.68	232.53	-0.26	-12.2	55	48.79	20.114	8.13	-96.3	-0.7	-0.5
08/17/04	10:30:52	27.24	245.191	255.66	233.58	-0.27	-12.5	56	48.84	20.124	8.14	-96.3	-0	-0.5
08/17/04	11:00:52	27.33	244.775	255.68	233	-0.26	-12.2	56	48.82	20.123	8.14	-96.8	0.5	-0.5
08/17/04	11:30:52	27.31	244.882	255.68	233.15	-0.28	-12.9	56	48.85	20.134	8.14	-96.7	0.5	-0.5
08/17/04	12:00:52	27.39	244.505	255.68	232.62	-0.28	-13.1	55	48.85	20.143	8.15	-97	1.6	-0.5
08/17/04	12:30:52	27.52	243.954	255.684	231.84	-0.28	-12.9	56	48.87	20.171	8.15	-97.2	7.3	-0.5
08/17/04	13:00:52	27.37	244.607	255.684	232.76	-0.29	-13.7	55	48.85	20.143	8.15	-97.3	12.2	-0.4
08/17/04	13:30:52	27.34	244.73	255.684	232.93	-0.31	-14.6	56	48.86	20.145	8.18	-99.1	47.4	-0.5
08/17/04	14:00:52	27.36	244.644	255.684	232.81	-0.33	-15.2	56	48.86	20.146	8.2	-100.2	80.4	-0.3
08/17/04	14:30:52	27.38	244.566	255.684	232.7	-0.33	-15.3	57	48.84	20.141	8.19	-99.4	77.8	-0.5
08/17/04	15:00:52	27.27	245.062	255.684	233.4	-0.33	-15.5	57	48.85	20.13	8.19	-99.2	98.2	-0.3
08/17/04	15:30:52	27.46	244.194	255.684	232.18	-0.32	-15	56	48.84	20.144	8.19	-99.7	95.3	-0.5
08/17/04	16:00:52	27.52	243.933	255.688	231.81	-0.36	-16.7	57	48.83	20.149	8.22	-101.1	163.9	-0.5
08/17/04	16:30:52	27.53	243.921	255.688	231.8	-0.33	-15.2	57	48.83	20.148	8.2	-100	178.1	0.6
08/17/04	17:00:52	27.56	243.79	255.691	231.61	-0.33	-15.2	57	48.83	20.151	8.21	-100.4	217.4	4.7
08/17/04	17:30:52	27.47	244.177	255.688	232.16	-0.34	-15.7	57	48.82	20.134	8.19	-99.2	134.5	-0.5
08/17/04	18:00:52	27.37	244.61	255.688	232.77	-0.38	-17.4	57	48.81	20.119	8.18	-98.6	121.2	-0.4
08/17/04	18:30:52	27.24	245.214	255.684	233.61	-0.46	-21.5	58	48.8	20.101	8.21	-100.3	184.8	-0.4
08/17/04	19:00:52	27.08	245.915	255.684	234.6	-0.51	-23.9	58	48.8	20.082	8.23	-101.4	298	-0.5
08/17/04	19:30:52	26.93	246.596	255.676	235.56	-0.45	-21.3	58	48.78	20.056	8.2	-99.7	168.4	-0.5
08/17/04	20:00:52	26.79	247.238	255.676	236.47	-0.54	-25.4	59	48.77	20.037	8.25	-102.7	228	-0.5
08/17/04	20:30:52	26.8	247.18	255.668	236.38	-0.42	-19.7	57	48.73	20.015	8.17	-98	34.2	-0.5
08/17/04	21:00:52	26.93	246.568	255.668	235.52	-0.36	-17	57	48.73	20.023	8.15	-97.2	20.9	-0.5
08/17/04	21:30:52	27.12	244.064	253.93	232.02	-0.39	-18.1	57	48.69	20.055	8.17	-98.1	52.3	-0.5
08/17/04	22:00:52	27.21	245.338	255.672	233.79	-0.37	-17.1	57	48.65	20.006	8.16	-97.7	45	-0.5
08/17/04	22:30:52	27.28	245.009	255.676	233.33	-0.38	-17.6	57	48.62	19.999	8.15	-97.4	36.3	-0.4
08/17/04	23:00:52	27.3	244.902	255.68	233.17	-0.35	-16.4	57	48.57	19.972	8.15	-97.3	30.6	-0.5
08/17/04	23:30:52	27.17	245.502	255.684	234.02	-0.35	-16.3	57	48.52	19.924	8.15	-97.3	28.2	-0.5
08/18/04	00:00:52	27.45	244.276	255.684	232.3	-0.35	-16.2	56	48.47	19.926	8.14	-96.8	12.6	-0.4
08/18/04	00:30:52	27.49	244.084	255.688	232.03	-0.34	-15.8	57	48.45	19.917	8.14	-96.6	5.6	-0.5
08/18/04	01:00:52	27.42	244.398	255.688	232.47	-0.32	-15	56	48.42	19.89	8.14	-96.3	1.1	-0.5
08/18/04	01:30:52	27.61	243.555	255.688	231.29	-0.33	-15.4	57	48.39	19.891	8.14	-96.5	-0.1	-0.5
08/18/04	02:00:52	27.53	243.913	255.688	231.79	-0.33	-15.2	56	48.37	19.871	8.14	-96.7	0.8	-0.4
08/18/04	02:30:52	27.5	244.027	255.688	231.95	-0.31	-14.2	56	48.36	19.865	8.14	-96.5	0	-0.5
08/18/04	03:00:52	27.54	243.856	255.688	231.71	-0.33	-15.4	57	48.34	19.859	8.14	-96.8	-0.1	-0.5
08/18/04	03:30:52	27.57	243.75	255.691	231.56	-0.3	-13.9	57	48.35	19.867	8.15	-97	0.1	-0.5
08/18/04	04:00:52	27.52	243.946	255.684	231.83	-0.26	-12.2	57	48.38	19.875	8.14	-96.7	0.1	-0.5
08/18/04	04:30:52	27.51	243.999	255.684	231.91	-0.24	-11.3	56	48.38	19.88	8.14	-96.8	0.5	-0.5
08/18/04	05:00:52	27.5	244.022	255.691	231.94	-0.35	-16.3	57	48.4	19.888	8.15	-96.9	0.7	1.1
08/18/04	05:30:52	27.5	244.035	255.688	231.96	-0.37	-17.1	56	48.44	19.912	8.14	-96.7	-0.3	-0.4
08/18/04	06:00:52	27.52	243.945	255.688	231.83	-0.37	-17	56	48.47	19.931	8.15	-96.9	0.7	-0.4
08/18/04	06:30:52	27.57	243.746	255.688	231.55	-0.3	-13.9	56	48.5	19.955	8.15	-96.9	-0.5	-0.5
08/18/04	07:00:52	27.44	244.28	255.684	232.3	-0.37	-17.3	56	48.56	19.979	8.15	-97.1	0.1	-0.4
08/18/04	07:30:52	27.42	244.369	255.688	232.43	-0.37	-17.3	56	48.61	20.005	8.15	-97	0.1	-0.5
08/18/04	08:00:52	27.44	244.296	255.684	232.32	-0.37	-17.3	56	48.64	20.027	8.15	-96.9	0.5	-0.5
08/18/04	08:30:52	27.42	244.369	255.688	232.43	-0.38	-17.5	56	48.66	20.037	8.15	-96.9	0.5	-0.5
08/18/04	09:00:52	27.47	244.157	255.684	232.13	-0.4	-18.5	56	48.71	20.072	8.14	-96.7	0.1	-0.4
08/18/04	09:30:52	27.41	244.447	255.688	232.54	-0.41	-19	56	48.75	20.084	8.14	-96.8	0.9	-0.5
08/18/04	10:00:52	27.28	245.004	255.688	233.32	-0.43	-19.9	56	48.76	20.083	8.13	-95.8	0.5	-0.5
08/18/04	10:30:52	27.28	245.009	255.68	233.32	-0.41	-19	56	48.79	20.096	8.14	-96.5	0.1	-0.5
08/18/04	11:00:52	27.23	245.227	255.68	233.63	-0.42	-19.4	56	48.8	20.1	8.14	-96.8	-0.2	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/sec*m2	Turbidity NTU
08/18/04	11:30:52	27.26	245.103	255.68	233.46	-0.4	-18.4	56	48.8	20.104	8.14	-96.8	-0.2	-0.5
08/18/04	12:00:52	27.33	244.771	255.68	232.99	-0.4	-18.7	56	48.81	20.114	8.15	-96.9	3.6	0
08/18/04	12:30:52	27.3	244.931	255.68	233.21	-0.39	-18.3	57	48.83	20.125	8.16	-97.5	16.9	0.1
08/18/04	13:00:52	27.36	244.636	255.68	232.8	-0.43	-19.7	57	48.8	20.115	8.18	-98.8	36.8	-0.5
08/18/04	13:30:52	27.38	244.566	255.684	232.7	-0.43	-20.1	57	48.8	20.114	8.2	-99.7	66.1	-0.4
08/18/04	14:00:52	27.4	244.48	255.688	232.58	-0.43	-19.9	57	48.8	20.113	8.19	-99.2	55.9	-0.5
08/18/04	14:30:52	27.42	244.41	255.688	232.48	-0.41	-19.1	57	48.79	20.11	8.16	-97.8	38.5	0
08/18/04	15:00:52	27.49	244.083	255.691	232.03	-0.39	-18	57	48.78	20.114	8.23	-101.7	98	-0.5
08/18/04	15:30:52	27.43	244.353	255.691	232.4	-0.37	-17	57	48.77	20.099	8.22	-101	152.9	-0.5
08/18/04	16:00:52	27.63	243.454	255.688	231.14	-0.35	-16.2	57	48.75	20.113	8.2	-100.3	154.8	-0.2
08/18/04	16:30:52	27.51	244.006	255.695	231.92	-0.4	-18.3	57	48.76	20.102	8.19	-99.7	181.5	-0.5
08/18/04	17:00:52	27.59	243.657	255.688	231.43	-0.41	-18.8	57	48.76	20.109	8.19	-99.4	178.9	-0.4
08/18/04	17:30:52	27.6	243.604	255.691	231.35	-0.39	-17.8	58	48.77	20.122	8.18	-98.8	198.2	-0.5
08/18/04	18:00:52	27.57	243.729	255.695	231.53	-0.42	-19.4	58	48.76	20.109	8.2	-100.3	248.7	-0.5
08/18/04	18:30:52	27.55	243.835	255.695	231.68	-0.43	-20	59	48.76	20.104	8.21	-100.4	234.6	-0.5
08/18/04	19:00:52	27.54	243.855	255.691	231.71	-0.36	-16.6	58	48.74	20.093	8.19	-99.2	149.6	-0.5
08/18/04	19:30:52	27.36	244.655	255.691	232.83	-0.4	-18.7	58	48.75	20.084	8.2	-99.7	247.7	-0.3
08/18/04	20:00:52	26.76	247.38	255.68	236.67	-0.53	-25.2	59	48.75	20.021	8.2	-100	213.1	0.1
08/18/04	20:30:52	26.6	248.069	255.668	237.64	-0.58	-27.5	59	48.74	19.995	8.25	-102.7	197.2	-0.5
08/18/04	21:00:52	26.62	248.003	255.664	237.55	-0.55	-25.9	59	48.73	19.994	8.28	-104.3	172.6	4.5
08/18/04	21:30:52	26.83	247.021	255.672	236.16	-0.54	-25.4	59	48.71	20.006	8.24	-102.4	111.6	-0.5
08/18/04	22:00:52	26.96	246.426	255.672	235.32	-0.54	-25.4	59	48.69	20.006	8.29	-105	135.3	-0.5
08/18/04	22:30:52	27.16	245.548	255.676	234.08	-0.52	-24.3	59	48.67	20.017	8.27	-103.9	106.6	-0.4
08/18/04	23:00:52	27.28	244.997	255.676	233.31	-0.48	-22.3	58	48.64	20.012	8.22	-101.1	74.1	-0.5
08/18/04	23:30:52	27.36	244.636	255.68	232.8	-0.41	-19.2	58	48.63	20.013	8.18	-98.6	47	83.5
08/19/04	00:00:52	27.48	244.121	255.68	232.08	-0.44	-20.3	57	48.6	20.005	8.15	-97.3	23.4	-0.5
08/19/04	00:30:52	27.54	243.868	255.684	231.72	-0.33	-15.4	57	48.57	19.993	8.14	-96.6	5.9	-0.5
08/19/04	01:00:52	27.52	243.937	255.684	231.82	-0.37	-17.2	57	48.54	19.971	8.14	-96.4	0.7	-0.4
08/19/04	01:30:52	27.52	243.933	255.688	231.81	-0.38	-17.4	57	48.52	19.959	8.14	-96.7	0.4	-0.5
08/19/04	02:00:52	27.45	244.275	255.688	232.29	-0.4	-18.5	57	48.5	19.94	8.14	-96.8	0.2	-0.5
08/19/04	02:30:52	27.36	244.652	255.684	232.82	-0.43	-19.9	57	48.48	19.923	8.15	-96.9	0.5	0.2
08/19/04	03:00:52	27.3	244.926	255.684	233.21	-0.41	-19	57	48.47	19.91	8.15	-96.8	0.3	0.7
08/19/04	03:30:52	27.11	245.767	255.68	234.39	-0.41	-19.3	57	48.49	19.903	8.14	-96.6	0.5	-0.5
08/19/04	04:00:52	27.14	245.627	255.676	234.19	-0.44	-20.5	57	48.46	19.889	8.14	-96.6	0.8	-0.3
08/19/04	04:30:52	27.11	245.755	255.676	234.37	-0.44	-20.6	57	48.47	19.89	8.13	-95.9	0.4	-0.4
08/19/04	05:00:52	27.22	245.28	255.676	233.71	-0.43	-20	57	48.48	19.909	8.13	-95.9	0.7	-0.1
08/19/04	05:30:52	27.37	244.603	255.684	232.75	-0.41	-19.1	57	48.5	19.934	8.14	-96.7	0.5	0.6
08/19/04	06:00:52	27.54	243.848	255.684	231.7	-0.39	-18.1	57	48.51	19.959	8.14	-96.7	0.3	0.4
08/19/04	06:30:52	27.56	243.766	255.688	231.58	-0.35	-16.3	57	48.57	19.996	8.14	-96.8	0.7	0.3
08/19/04	07:00:52	27.58	243.657	255.684	231.43	-0.38	-17.4	57	48.6	20.015	8.15	-97.1	0.3	2.2
08/19/04	07:30:52	27.63	243.478	255.688	231.18	-0.42	-19.4	57	48.62	20.032	8.15	-97	0.3	-0.2
08/19/04	08:00:52	27.62	243.506	255.691	231.22	-0.42	-19.5	57	48.65	20.048	8.15	-97.2	0.5	0.6
08/19/04	08:30:52	27.6	243.587	255.691	231.33	-0.43	-20	57	48.69	20.074	8.15	-97.1	0.6	0.7
08/19/04	09:00:52	27.61	243.535	255.691	231.26	-0.43	-19.8	57	48.73	20.097	8.14	-96.8	0.2	-0.5
08/19/04	09:30:52	27.59	243.644	255.688	231.41	-0.38	-17.6	57	48.75	20.104	8.13	-96.3	0	1.4
08/19/04	10:00:52	27.6	243.579	255.691	231.32	-0.41	-18.9	57	48.76	20.116	8.14	-96.7	0.5	-0.3
08/19/04	10:30:52	27.64	243.397	255.691	231.06	-0.42	-19.4	57	48.78	20.128	8.15	-97.3	0.7	4.1
08/19/04	11:00:52	27.66	243.308	255.691	230.94	-0.43	-19.6	57	48.79	20.136	8.15	-97.4	0.2	4.4
08/19/04	11:30:52	27.75	242.928	255.691	230.41	-0.38	-17.5	57	48.81	20.157	8.15	-97.4	0.5	0.7
08/19/04	12:00:52	27.72	243.048	255.695	230.58	-0.43	-20	57	48.81	20.156	8.15	-97	5.1	0.6
08/19/04	12:30:52	27.77	242.847	255.695	230.29	-0.45	-20.5	58	48.81	20.158	8.16	-97.8	19	-0.2
08/19/04	13:00:52	27.8	242.71	255.695	230.1	-0.45	-20.8	57	48.78	20.146	8.17	-98.4	36.6	0.2
08/19/04	13:30:52	27.75	242.935	255.695	230.42	-0.48	-22.2	57	48.78	20.138	8.19	-99.3	59.4	2.1
08/19/04	14:00:52	27.83	242.605	255.699	229.96	-0.43	-19.6	58	48.77	20.14	8.2	-99.9	79.7	1.2
08/19/04	14:30:52	27.83	242.58	255.699	229.92	-0.49	-22.3	58	48.76	20.139	8.22	-101.4	101.4	0.5
08/19/04	15:00:52	27.81	242.681	255.699	230.06	-0.49	-22.7	59	48.76	20.132	8.23	-102	126	0
08/19/04	15:30:52	27.84	242.524	255.699	229.84	-0.46	-21.1	58	48.74	20.125	8.23	-101.7	154.4	0.1
08/19/04	16:00:52	27.84	242.54	255.703	229.87	-0.46	-20.9	58	48.74	20.123	8.21	-100.8	185.2	-0.4
08/19/04	16:30:52	27.87	242.42	255.699	229.7	-0.47	-21.7	59	48.72	20.115	8.2	-100.2	194.5	-0.1
08/19/04	17:00:52	27.84	242.532	255.703	229.85	-0.41	-19	59	48.71	20.107	8.19	-99.4	244	1.3
08/19/04	17:30:52	27.86	242.467	255.703	229.76	-0.46	-21	59	48.72	20.113	8.21	-100.4	232.9	-0.4
08/19/04	18:00:52	27.85	242.508	255.703	229.82	-0.48	-22	60	48.7	20.104	8.21	-100.8	243.4	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/19/04	18:30:52	27.85	242.512	255.699	229.83	-0.46	-21.2	59	48.71	20.106	8.19	-99.7	233.7	-0.4
08/19/04	19:00:52	27.85	242.492	255.699	229.8	-0.49	-22.5	59	48.71	20.106	8.19	-99.7	250.2	-0.5
08/19/04	19:30:52	27.82	242.649	255.699	230.02	-0.5	-23.1	59	48.72	20.113	8.19	-99.4	257.7	-0.4
08/19/04	20:00:52	27.82	242.645	255.703	230.01	-0.39	-18	60	48.73	20.115	8.19	-99.7	219.4	-0
08/19/04	20:30:52	27.8	242.713	255.699	230.11	-0.44	-20	60	48.73	20.116	8.2	-100.2	206.2	-0.5
08/19/04	21:00:52	27.83	242.609	255.699	229.96	-0.4	-18.3	60	48.74	20.126	8.2	-100.3	189.2	-0.2
08/19/04	21:30:52	27.78	242.822	255.699	230.26	-0.38	-17.6	60	48.75	20.124	8.22	-101	160.7	1.3
08/19/04	22:00:52	27.8	242.721	255.699	230.12	-0.4	-18.4	59	48.76	20.13	8.2	-100.2	137.9	0.8
08/19/04	22:30:52	27.84	242.556	255.699	229.89	-0.33	-15	59	48.74	20.123	8.19	-99.2	110.5	-0.5
08/19/04	23:00:52	28.19	241.005	255.699	227.73	-0.24	-10.9	58	48.74	20.159	8.16	-98	55.6	0
08/19/04	23:30:52	27.81	242.681	255.699	230.06	-0.21	-9.8	58	48.72	20.111	8.15	-97.4	30.8	-0.4
08/20/04	00:00:52	27.79	242.77	255.695	230.19	-0.24	-10.8	58	48.73	20.112	8.15	-96.9	26.1	11.4
08/20/04	00:30:52	27.77	242.839	255.695	230.28	-0.18	-8.3	57	48.71	20.101	8.14	-96.7	6	0.1
08/20/04	01:00:52	27.75	242.927	255.695	230.41	-0.21	-9.8	57	48.71	20.098	8.14	-96.6	0.8	-0
08/20/04	01:30:52	27.77	242.863	255.695	230.32	-0.24	-11	57	48.69	20.086	8.15	-97	0	-0.5
08/20/04	02:00:52	27.69	243.218	255.695	230.81	-0.26	-12	57	48.67	20.068	8.14	-96.7	1	-0.4
08/20/04	02:30:52	27.76	242.887	255.695	230.35	-0.27	-12.4	57	48.65	20.062	8.14	-96.7	0.4	-0.4
08/20/04	03:00:52	27.77	242.847	255.691	230.29	-0.3	-13.9	58	48.64	20.06	8.15	-97.2	0.7	-0.5
08/20/04	03:30:52	27.76	242.903	255.695	230.37	-0.27	-12.6	57	48.64	20.058	8.15	-96.9	0.5	-0.5
08/20/04	04:00:52	27.68	243.263	255.695	230.88	-0.33	-15.4	58	48.62	20.04	8.15	-97.2	0.2	-0.5
08/20/04	04:30:52	28.05	241.611	255.695	228.57	-0.36	-16.3	58	48.63	20.081	8.15	-97	0.2	-0.4
08/20/04	05:00:52	27.65	243.385	255.691	231.05	-0.38	-17.3	58	48.63	20.04	8.15	-97.3	0.8	-0.4
08/20/04	05:30:52	27.5	244.026	255.691	231.95	-0.38	-17.4	57	48.64	20.034	8.15	-97	0.7	-0.4
08/20/04	06:00:52	27.68	243.222	255.695	230.82	-0.42	-19.3	57	48.63	20.044	8.15	-97.4	0.3	-0.2
08/20/04	06:30:52	27.65	243.368	255.691	231.02	-0.43	-19.7	57	48.65	20.054	8.15	-97.3	0.1	-0.4
08/20/04	07:00:52	27.58	243.693	255.691	231.48	-0.43	-19.8	57	48.66	20.051	8.15	-97	0.1	-0.4
08/20/04	07:30:52	27.58	243.689	255.691	231.47	-0.43	-19.9	57	48.67	20.058	8.14	-96.7	1	-0.5
08/20/04	08:00:52	27.39	244.504	255.688	232.62	-0.45	-21.1	57	48.68	20.044	8.14	-96.7	0.4	-0.4
08/20/04	08:30:52	27.32	244.848	255.688	233.1	-0.46	-21.2	57	48.73	20.064	8.14	-96.4	0.1	-0.4
08/20/04	09:00:52	27.29	244.967	255.684	233.27	-0.47	-21.7	57	48.76	20.082	8.14	-96.4	0.8	-0.5
08/20/04	09:30:52	27.4	244.46	255.684	232.55	-0.47	-21.6	58	48.76	20.093	8.15	-96.9	0.3	-0.5
08/20/04	10:00:52	27.34	244.729	255.688	232.93	-0.49	-22.6	58	48.8	20.112	8.15	-97	0.9	-0.5
08/20/04	10:30:52	27.14	245.659	255.68	234.24	-0.5	-23.1	57	48.78	20.076	8.15	-96.9	0.2	-0.2
08/20/04	11:00:52	27.05	246.052	255.676	234.79	-0.51	-23.7	58	48.78	20.067	8.14	-96.7	0.3	-0.4
08/20/04	11:30:52	27.1	245.816	255.68	234.46	-0.46	-21.6	57	48.78	20.073	8.14	-96.7	0.6	0.6
08/20/04	12:00:52	27.03	246.123	255.676	234.89	-0.48	-22.6	58	48.75	20.048	8.14	-96.6	5.3	-0.3
08/20/04	12:30:52	27.07	245.932	255.676	234.62	-0.48	-22.5	57	48.73	20.042	8.15	-96.9	19	1.2
08/20/04	13:00:52	27.09	245.858	255.676	234.52	-0.5	-23.2	58	48.71	20.03	8.15	-96.9	30.5	-0.2
08/20/04	13:30:52	27.17	245.486	255.676	234	-0.5	-23.4	58	48.7	20.036	8.16	-97.8	57.9	0.1
08/20/04	14:00:52	27.3	244.91	255.68	233.19	-0.48	-22.4	57	48.68	20.038	8.17	-98.3	81.6	3.7
08/20/04	14:30:52	27.33	244.779	255.684	233	-0.48	-22.5	58	48.66	20.024	8.16	-98	99.6	-0.4
08/20/04	15:00:52	27.33	244.807	255.688	233.04	-0.44	-20.3	57	48.64	20.012	8.17	-98.1	126.8	-0.5
08/20/04	15:30:52	27.32	244.824	255.684	233.06	-0.47	-21.9	58	48.62	20.002	8.18	-98.9	154	0.7
08/20/04	16:00:52	27.33	244.811	255.688	233.05	-0.39	-18	58	48.59	19.981	8.17	-98.4	180.2	0
08/20/04	16:30:52	27.32	244.824	255.684	233.06	-0.36	-16.6	58	48.6	19.988	8.18	-98.6	204	0.4
08/20/04	17:00:52	27.33	244.771	255.684	232.99	-0.35	-16.5	58	48.57	19.971	8.17	-98	229.6	1.6
08/20/04	17:30:52	27.4	244.48	255.684	232.58	-0.3	-13.9	58	48.58	19.983	8.16	-97.6	221.6	0.3
08/20/04	18:00:52	27.39	244.5	255.684	232.61	-0.25	-11.6	58	48.56	19.975	8.16	-97.6	209.7	-0.4
08/20/04	18:30:52	27.48	244.104	255.684	232.06	-0.31	-14.1	59	48.56	19.981	8.17	-98	244.5	-0.3
08/20/04	19:00:52	27.52	243.957	255.688	231.85	-0.31	-14.4	59	48.56	19.987	8.16	-98	263.4	2.4
08/20/04	19:30:52	27.55	243.827	255.691	231.67	-0.27	-12.4	59	48.57	19.996	8.16	-97.7	84.3	-0.1
08/20/04	20:00:52	27.63	243.47	255.691	231.17	-0.32	-14.6	59	48.57	20.002	8.17	-98.1	208.2	-0.4
08/20/04	20:30:52	27.64	243.413	255.691	231.09	-0.26	-11.9	59	48.61	20.027	8.18	-98.8	210.2	-0.5
08/20/04	21:00:52	27.63	243.441	255.691	231.13	-0.25	-11.6	59	48.64	20.046	8.16	-98	187.6	-0.1
08/20/04	21:30:52	27.65	243.393	255.691	231.06	-0.28	-12.8	59	48.64	20.046	8.16	-97.6	106.7	0.6
08/20/04	22:00:52	27.65	243.381	255.691	231.04	-0.24	-11.2	59	48.66	20.059	8.16	-97.9	143.4	0.4
08/20/04	22:30:52	27.64	243.397	255.691	231.06	-0.17	-7.8	58	48.71	20.086	8.16	-97.5	121.5	-0.1
08/20/04	23:00:52	27.62	243.51	255.691	231.22	-0.22	-10	59	48.7	20.078	8.15	-97.4	91.4	-0.2
08/20/04	23:30:52	27.61	243.539	255.688	231.26	-0.15	-6.8	58	48.72	20.091	8.14	-96.7	39.5	-0.3
08/21/04	00:00:52	27.36	244.643	255.688	232.81	-0.18	-8.4	58	48.76	20.087	8.14	-96.4	25.1	-0.2
08/21/04	00:30:52	27.11	245.766	255.684	234.39	-0.17	-8	57	48.74	20.051	8.13	-96.1	7.9	-0.1
08/21/04	01:00:52	26.96	246.45	255.676	235.35	-0.18	-8.5	57	48.74	20.034	8.13	-95.8	0.4	0

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/21/04	01:30:52	26.89	246.754	255.672	235.78	-0.18	-8.3	57	48.73	20.024	8.13	-95.8	0.1	-0.1
08/21/04	02:00:52	26.94	246.517	255.672	235.45	-0.19	-8.8	57	48.74	20.032	8.14	-96.3	0.1	-0.2
08/21/04	02:30:52	26.95	246.492	255.672	235.41	-0.19	-8.9	57	48.72	20.021	8.13	-96.1	0.5	-0.2
08/21/04	03:00:52	26.78	247.248	255.664	236.48	-0.19	-8.8	57	48.73	20.011	8.13	-96	0.2	-0.2
08/21/04	03:30:52	26.92	246.646	255.672	235.63	-0.22	-10.6	57	48.74	20.03	8.13	-95.9	0.1	-0.2
08/21/04	04:00:52	27.03	246.128	255.668	234.9	-0.26	-12	57	48.72	20.03	8.13	-95.9	0.2	-0.3
08/21/04	04:30:52	26.98	246.355	255.672	235.22	-0.21	-9.7	56	48.7	20.014	8.12	-95.3	0.4	-0.1
08/21/04	05:00:52	27.11	245.747	255.668	234.36	-0.2	-9.5	56	48.72	20.038	8.13	-96	-0.2	-0.2
08/21/04	05:30:52	27	246.243	255.672	235.06	-0.28	-12.9	56	48.7	20.017	8.14	-96.6	0.4	-0.1
08/21/04	06:00:52	26.99	246.31	255.668	235.16	-0.3	-13.9	58	48.69	20.01	8.14	-96.7	0.3	0.4
08/21/04	06:30:52	26.67	247.779	255.668	237.23	-0.35	-16.5	58	48.72	19.994	8.15	-96.8	-0.5	-0.1
08/21/04	07:00:52	26.42	248.91	255.664	238.83	-0.38	-18.1	57	48.71	19.959	8.15	-96.7	-0.2	-0.2
08/21/04	07:30:52	26.42	248.898	255.656	238.81	-0.38	-18.3	58	48.7	19.956	8.15	-96.9	0.2	-0
08/21/04	08:00:52	26.27	249.587	255.656	239.79	-0.38	-18.1	57	48.72	19.948	8.15	-96.7	-0.4	-0.2
08/21/04	08:30:52	26.25	249.689	255.656	239.94	-0.39	-18.7	58	48.73	19.951	8.15	-96.7	0.1	-0.2
08/21/04	09:00:52	26.2	249.911	255.652	240.25	-0.39	-18.8	57	48.72	19.941	8.15	-96.6	0.2	-0.2
08/21/04	09:30:52	26.21	249.886	255.648	240.22	-0.39	-18.8	57	48.72	19.942	8.15	-96.7	0.7	-0.1
08/21/04	10:00:52	26.09	250.447	255.648	241.01	-0.38	-18.3	57	48.74	19.942	8.14	-96.3	0.2	-0.1
08/21/04	10:30:52	25.77	251.953	255.648	243.16	-0.4	-19.5	57	48.73	19.902	8.14	-96.3	0.6	0
08/21/04	11:00:52	26.09	250.424	255.66	240.98	-0.39	-18.7	56	48.73	19.937	8.13	-95.9	0.5	-0
08/21/04	11:30:52	26.63	247.949	255.656	237.47	-0.39	-18.2	56	48.71	19.985	8.13	-95.8	0.2	-0
08/21/04	12:00:52	26.42	248.906	255.66	238.83	-0.38	-17.9	57	48.69	19.947	8.14	-96.4	3.6	-0
08/21/04	12:30:52	26.42	248.936	255.664	238.87	-0.41	-19.4	58	48.68	19.939	8.13	-95.9	16.5	0.1
08/21/04	13:00:52	26.3	249.475	255.668	239.63	-0.41	-19.7	58	48.63	19.899	8.14	-96.3	33.5	0
08/21/04	13:30:52	26.41	248.952	255.668	238.89	-0.45	-21.2	58	48.63	19.913	8.15	-96.9	59.2	0.1
08/21/04	14:00:52	27.07	245.94	255.68	234.63	-0.43	-20.2	59	48.58	19.952	8.16	-97.7	79.4	0
08/21/04	14:30:52	27.02	246.184	255.688	234.98	-0.4	-18.7	58	48.55	19.931	8.16	-97.4	87.8	-0
08/21/04	15:00:52	27.29	244.987	255.695	233.29	-0.41	-19.2	60	48.52	19.936	8.16	-97.5	88.5	1.5
08/21/04	15:30:52	27.32	244.816	255.68	233.05	-0.4	-18.7	59	48.5	19.929	8.15	-97.4	118.7	2.1
08/21/04	16:00:52	27.21	245.313	255.684	233.75	-0.48	-22.2	59	48.46	19.895	8.15	-97.2	136.2	7.3
08/21/04	16:30:52	27.21	245.337	255.684	233.79	-0.47	-22.1	59	48.4	19.861	8.15	-97.3	214	1.7
08/21/04	17:00:52	27.24	245.181	255.684	233.57	-0.43	-20.1	59	48.39	19.858	8.16	-97.6	131.6	0.4
08/21/04	17:30:52	27.3	244.939	255.684	233.23	-0.41	-19.3	59	48.36	19.841	8.15	-97	239.6	7.6
08/21/04	18:00:52	27.37	244.59	255.684	232.74	-0.4	-18.8	59	48.37	19.855	8.15	-97	249.5	1.2
08/21/04	18:30:52	27.35	244.709	255.684	232.9	-0.28	-13	59	48.36	19.85	8.14	-96.7	46.5	2.1
08/21/04	19:00:52	27.7	243.162	255.695	230.73	-0.38	-17.5	59	48.36	19.883	8.14	-96.7	162.8	13.4
08/21/04	19:30:52	27.38	244.564	255.699	232.7	-0.32	-15.1	59	48.35	19.847	8.14	-96.7	102.2	16.2
08/21/04	20:00:52	27.29	244.966	255.699	233.26	-0.28	-12.9	59	48.38	19.855	8.14	-96.6	80.1	6.7
08/21/04	20:30:52	27.3	244.946	255.695	233.24	-0.31	-14.3	59	48.44	19.889	8.15	-96.9	191.3	16.1
08/21/04	21:00:52	27.27	245.052	255.699	233.39	-0.37	-17.1	60	48.44	19.889	8.14	-96.6	178.8	18.6
08/21/04	21:30:52	27.21	245.341	255.691	233.79	-0.32	-14.7	59	48.47	19.9	8.14	-96.5	152.1	34.3
08/21/04	22:00:52	27.15	245.616	255.695	234.18	-0.34	-16	60	48.52	19.923	8.14	-96.7	128.6	4.9
08/21/04	22:30:52	27.73	243.004	255.691	230.51	-0.29	-13.1	59	48.54	19.998	8.14	-96.7	91.3	6.1
08/21/04	23:00:52	27.14	245.633	255.695	234.2	-0.3	-13.8	59	48.58	19.96	8.14	-96.4	58	1.8
08/21/04	23:30:52	26.79	247.253	255.691	236.49	-0.29	-13.5	59	48.63	19.952	8.14	-96.5	41.8	0.5
08/22/04	00:00:52	27.23	245.263	255.688	233.68	-0.25	-11.6	58	48.67	20.021	8.14	-96.4	24.9	6.8
08/22/04	00:30:52	27.2	245.369	255.691	233.83	-0.23	-10.7	58	48.69	20.028	8.14	-96.4	6.3	0.8
08/22/04	01:00:52	27.14	245.629	255.691	234.2	-0.23	-10.6	58	48.73	20.048	8.14	-96.4	0.1	-0.3
08/22/04	01:30:52	26.97	246.437	255.688	235.33	-0.28	-13.1	58	48.75	20.041	8.14	-96.7	1	0.8
08/22/04	02:00:52	27.19	245.428	255.688	233.91	-0.3	-14.1	57	48.76	20.068	8.14	-96.7	-0.1	0.1
08/22/04	02:30:52	27.16	245.547	255.691	234.08	-0.26	-12.1	57	48.79	20.088	8.14	-96.5	0.4	-0.3
08/22/04	03:00:52	27.14	245.658	255.691	234.24	-0.28	-13	58	48.82	20.101	8.14	-96.4	0.5	-0.2
08/22/04	03:30:52	26.98	246.353	255.691	235.22	-0.29	-13.4	58	48.81	20.082	8.15	-96.7	0.7	-0.3
08/22/04	04:00:52	27.71	243.126	255.691	230.68	-0.27	-12.6	57	48.82	20.157	8.14	-96.4	0.5	0
08/22/04	04:30:52	27.19	245.411	255.691	233.89	-0.27	-12.6	58	48.82	20.105	8.14	-96.5	0.2	-0.2
08/22/04	05:00:52	27.32	244.864	255.695	233.12	-0.29	-13.7	58	48.83	20.123	8.14	-96.6	0.2	-0.1
08/22/04	05:30:52	27.32	244.823	255.691	233.06	-0.26	-12.1	57	48.81	20.114	8.14	-96.6	0.3	0
08/22/04	06:00:52	27.61	243.538	255.695	231.26	-0.28	-12.7	58	48.81	20.145	8.14	-96.4	0.6	-0.2
08/22/04	06:30:52	27.37	244.626	255.695	232.79	-0.29	-13.5	57	48.8	20.114	8.14	-96.6	0.3	0.1
08/22/04	07:00:52	26.91	246.702	255.695	235.71	-0.27	-12.7	58	48.82	20.075	8.14	-96.6	0.2	-0.2
08/22/04	07:30:52	27.46	244.238	255.691	232.24	-0.28	-13.1	58	48.8	20.124	8.14	-96.6	0	-0.1
08/22/04	08:00:52	26.87	246.897	255.699	235.98	-0.28	-13.3	57	48.81	20.063	8.14	-96.4	0.2	-0

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/22/04	08:30:52	27.03	246.154	255.695	234.94	-0.3	-14.1	57	48.8	20.075	8.14	-96.2	1	-0
08/22/04	09:00:52	27.52	243.969	255.699	231.86	-0.33	-15.1	58	48.8	20.127	8.14	-96.5	0.5	-0
08/22/04	09:30:52	27.45	244.258	255.695	232.27	-0.3	-13.9	57	48.81	20.129	8.14	-96.4	0.8	-0.1
08/22/04	10:00:52	27.75	242.936	255.688	230.42	-0.29	-13.6	57	48.78	20.14	8.14	-96.7	0.4	-0
08/22/04	10:30:52	28.15	241.189	255.688	227.98	-0.33	-14.8	58	48.79	20.185	8.14	-96.6	0.8	-0
08/22/04	11:00:52	27.07	245.969	255.684	234.67	-0.3	-13.9	57	48.79	20.076	8.14	-96.5	1	-0.4
08/22/04	11:30:52	27.36	244.647	255.691	232.82	-0.3	-14	58	48.74	20.078	8.14	-96.4	-0	9.3
08/22/04	12:00:52	27.43	244.344	255.691	232.39	-0.29	-13.6	58	48.73	20.075	8.14	-96.3	4.7	-0.4
08/22/04	12:30:52	27.48	244.141	255.688	232.11	-0.28	-13	57	48.71	20.071	8.14	-96.4	16.4	-0.4
08/22/04	13:00:52	27.56	243.77	255.688	231.59	-0.29	-13.4	57	48.68	20.062	8.14	-96.4	23.4	-0.4
08/22/04	13:30:52	27.59	243.632	255.691	231.39	-0.3	-14	58	48.65	20.044	8.16	-97.9	52.2	-0.4
08/22/04	14:00:52	27.97	241.975	255.691	229.08	-0.37	-16.9	60	48.6	20.056	8.18	-99	78.7	-0.4
08/22/04	14:30:52	27.7	243.158	255.695	230.73	-0.41	-19.1	61	48.57	20.008	8.18	-99.1	101.7	-0
08/22/04	15:00:52	27.63	243.465	255.695	231.16	-0.41	-19	62	48.53	19.979	8.19	-99.4	122.3	-0.2
08/22/04	15:30:52	28.08	241.475	255.695	228.38	-0.39	-17.8	63	48.46	19.981	8.2	-100.2	145	-0.2
08/22/04	16:00:52	27.67	243.307	255.699	230.94	-0.39	-18.1	63	48.41	19.913	8.17	-98.1	168	1.8
08/22/04	16:30:52	27.72	243.093	255.699	230.64	-0.43	-19.6	66	48.38	19.898	8.18	-98.7	190.1	0.1
08/22/04	17:00:52	27.73	243.028	255.695	230.55	-0.41	-18.7	65	48.35	19.879	8.16	-97.8	212.3	0.3
08/22/04	17:30:52	27.8	242.705	255.703	230.1	-0.59	-27.2	64	48.32	19.869	8.16	-98	204.9	-0.1
08/22/04	18:00:52	27.82	242.64	255.715	230	-0.52	-24	65	48.29	19.854	8.16	-97.7	131.2	1.8
08/22/04	18:30:52	27.72	243.076	255.703	230.61	-0.51	-23.6	65	48.28	19.839	8.16	-98	270.1	1.9
08/22/04	19:00:52	27.73	243.032	255.703	230.55	-0.59	-27.2	66	48.28	19.841	8.16	-97.7	259.8	4.6
08/22/04	19:30:52	27.82	242.64	255.703	230.01	-0.54	-24.8	65	48.27	19.844	8.16	-97.7	105.2	3.1
08/22/04	20:00:52	27.78	242.79	255.703	230.21	-0.53	-24.5	66	48.25	19.825	8.16	-97.8	143.3	4.7
08/22/04	20:30:52	27.76	242.919	255.703	230.39	-0.6	-27.4	67	48.27	19.838	8.17	-98.1	194.9	-0.1
08/22/04	21:00:52	27.78	242.83	255.703	230.27	-0.59	-26.9	66	48.28	19.844	8.17	-98.1	146.8	2.7
08/22/04	21:30:52	27.75	242.931	255.703	230.41	-0.56	-25.6	66	48.34	19.876	8.16	-98	107.3	-0
08/22/04	22:00:52	27.78	242.826	255.703	230.26	-0.46	-21.2	65	48.37	19.9	8.16	-97.7	119.2	1.2
08/22/04	22:30:52	27.74	242.995	255.703	230.5	-0.5	-22.9	66	48.41	19.92	8.15	-97.4	97.2	-0.2
08/22/04	23:00:52	27.74	242.963	255.699	230.46	-0.47	-21.6	65	48.48	19.958	8.15	-97.2	42.1	0.1
08/22/04	23:30:52	27.76	242.875	255.699	230.33	-0.32	-14.6	63	48.51	19.979	8.14	-96.9	21.5	1.2
08/23/04	00:00:52	27.75	242.931	255.703	230.41	-0.37	-17.1	62	48.54	20	8.14	-96.6	8.9	-0.2
08/23/04	00:30:52	27.65	243.384	255.699	231.05	-0.35	-16.2	62	48.62	20.031	8.14	-96.4	4	-0.2
08/23/04	01:00:52	27.62	243.497	255.699	231.2	-0.34	-15.6	62	48.66	20.058	8.14	-96.4	0.9	-0.2
08/23/04	01:30:52	27.59	243.64	255.695	231.4	-0.31	-14.4	61	48.71	20.083	8.13	-96.1	0.1	-0.3
08/23/04	02:00:52	27.58	243.705	255.691	231.5	-0.29	-13.4	62	48.79	20.125	8.13	-95.9	1.2	0.7
08/23/04	02:30:52	28.06	241.579	255.688	228.53	-0.28	-12.9	61	48.81	20.189	8.11	-95.3	0.2	-0.2
08/23/04	03:00:52	27.5	244.042	255.695	231.97	-0.18	-8.4	59	48.83	20.147	8.11	-94.9	0.3	-0.2
08/23/04	03:30:52	27.5	244.055	255.691	231.99	-0.16	-7.3	58	48.88	20.174	8.11	-94.7	0.3	0
08/23/04	04:00:52	27.51	243.99	255.691	231.89	-0.13	-6.2	58	48.9	20.185	8.11	-94.7	0.9	-0
08/23/04	04:30:52	27.49	244.083	255.691	232.03	-0.12	-5.6	60	48.91	20.192	8.1	-94.5	0.2	-0
08/23/04	05:00:52	26.94	246.561	255.691	235.51	-0.04	-1.7	56	48.92	20.138	8.1	-93.9	0.5	0.6
08/23/04	05:30:52	27.56	243.779	255.688	231.6	-0.02	-0.7	57	48.93	20.212	8.09	-93.9	0.6	3
08/23/04	06:00:52	27.55	243.831	255.688	231.67	0.02	0.8	57	48.92	20.201	8.08	-93.4	0.5	-0.1
08/23/04	06:30:52	27.53	243.9	255.691	231.77	0.06	3	57	48.93	20.208	8.07	-92.5	0.3	1.7
08/23/04	07:00:52	27.53	243.896	255.691	231.76	0.07	3.3	57	48.9	20.189	8.08	-93	0.9	0.1
08/23/04	07:30:52	27.53	243.916	255.691	231.79	0.08	3.9	57	48.92	20.199	8.08	-93.1	0.1	5.9
08/23/04	08:00:52	27.52	243.965	255.691	231.86	0.17	8	57	48.9	20.188	8.06	-91.8	0	-0
08/23/04	08:30:52	27.55	243.831	255.688	231.67	0.23	10.7	56	48.89	20.186	8.05	-91.7	0.2	1.4
08/23/04	09:00:52	27.65	243.364	255.691	231.02	0.16	7.3	57	48.89	20.196	8.11	-94.8	0.2	0.1
08/23/04	09:30:52	27.72	243.056	255.699	230.59	-0.03	-1.5	58	48.85	20.181	8.13	-96.1	-0.2	0
08/23/04	10:00:52	27.7	243.169	255.699	230.75	-0.17	-7.6	59	48.87	20.186	8.13	-96.3	0.4	1.6
08/23/04	10:30:52	27.66	243.324	255.695	230.96	-0.22	-10.2	59	48.83	20.163	8.13	-96.1	0.4	0.8
08/23/04	11:00:52	27.64	243.445	255.699	231.13	-0.22	-10.2	60	48.81	20.146	8.13	-96.2	0.1	3
08/23/04	11:30:52	27.63	243.445	255.695	231.13	-0.24	-11.1	59	48.79	20.132	8.13	-96.1	0.1	0
08/23/04	12:00:52	27.63	243.489	255.699	231.19	-0.17	-8	59	48.78	20.128	8.13	-95.9	4.7	0.1
08/23/04	12:30:52	27.65	243.363	255.703	231.02	-0.14	-6.4	60	48.74	20.106	8.13	-96.3	16.7	0
08/23/04	13:00:52	27.65	243.371	255.703	231.03	-0.21	-9.6	62	48.72	20.092	8.14	-96.6	41.7	0
08/23/04	13:30:52	27.74	243	255.699	230.51	-0.33	-15	67	48.67	20.073	8.17	-98.4	63.4	0.5
08/23/04	14:00:52	27.75	242.939	255.703	230.42	-0.36	-16.7	70	48.64	20.056	8.18	-98.7	69.3	0.4
08/23/04	14:30:52	27.74	242.983	255.703	230.48	-0.39	-18.1	74	48.57	20.014	8.2	-100.2	92.5	0.4
08/23/04	15:00:52	27.76	242.886	255.707	230.35	-0.4	-18.5	69	48.54	19.999	8.18	-99.2	123.9	0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/23/04	15:30:52	27.75	242.955	255.707	230.44	-0.51	-23.3	70	48.48	19.962	8.2	-100.1	137.1	0.4
08/23/04	16:00:52	27.76	242.898	255.703	230.37	-0.5	-23.1	66	48.42	19.926	8.18	-98.8	158.1	0.6
08/23/04	16:30:52	27.65	243.392	255.703	231.06	-0.56	-25.9	67	48.37	19.883	8.16	-97.9	154.5	0.7
08/23/04	17:00:52	27.52	243.976	255.703	231.88	-0.59	-27.1	67	48.32	19.841	8.17	-98.3	183.6	0.9
08/23/04	17:30:52	27.42	244.405	255.699	232.48	-0.59	-27.4	66	48.25	19.793	8.16	-97.6	164.8	0.4
08/23/04	18:00:52	27.34	244.737	255.695	232.94	-0.62	-28.8	65	48.23	19.773	8.16	-97.8	173.4	0.9
08/23/04	18:30:52	27.36	244.688	255.695	232.87	-0.65	-30.4	66	48.18	19.744	8.16	-97.8	188	0.8
08/23/04	19:00:52	27.23	245.25	255.695	233.66	-0.71	-32.9	69	48.15	19.714	8.15	-97.1	197.9	0.7
08/23/04	19:30:52	27.23	245.242	255.691	233.65	-0.7	-32.7	66	48.13	19.699	8.17	-98	230.9	0.7
08/23/04	20:00:52	27.18	245.485	255.691	233.99	-0.61	-28.2	69	48.12	19.688	8.17	-98.3	205.1	0.7
08/23/04	20:30:52	27.16	245.543	255.691	234.07	-0.73	-34.3	69	48.12	19.686	8.17	-98	193.6	0.6
08/23/04	21:00:52	27.14	245.658	255.688	234.24	-0.73	-34.1	69	48.12	19.685	8.18	-98.9	174.1	0.3
08/23/04	21:30:52	27.15	245.609	255.688	234.17	-0.67	-31.1	70	48.14	19.695	8.19	-99.1	128.1	0.4
08/23/04	22:00:52	27.2	245.374	255.688	233.84	-0.67	-31.4	69	48.17	19.723	8.18	-98.8	104	0.6
08/23/04	22:30:52	27.2	245.362	255.688	233.82	-0.5	-23.5	66	48.23	19.754	8.16	-97.6	73.9	0.9
08/23/04	23:00:52	27.42	244.402	255.688	232.47	-0.47	-21.7	69	48.26	19.799	8.16	-97.6	47	0.6
08/23/04	23:30:52	27.59	243.652	255.691	231.42	-0.32	-14.7	69	48.32	19.85	8.15	-97.4	45.6	1.2
08/24/04	00:00:52	27.57	243.721	255.699	231.52	-0.19	-8.7	67	48.39	19.889	8.14	-96.6	17.6	1
08/24/04	00:30:52	27.64	243.408	255.699	231.08	-0.21	-9.5	66	48.46	19.936	8.14	-96.5	3.3	0.7
08/24/04	01:00:52	27.56	243.778	255.695	231.6	-0.17	-8	65	48.55	19.983	8.13	-96.3	0.1	0.9
08/24/04	01:30:52	27.59	243.623	255.695	231.38	-0.22	-10.1	66	48.6	20.016	8.14	-96.4	0.6	0.8
08/24/04	02:00:52	27.6	243.619	255.695	231.38	-0.03	-1.4	65	48.69	20.069	8.13	-96.3	0.3	0.3
08/24/04	02:30:52	27.64	243.441	255.699	231.12	-0.08	-3.6	64	48.75	20.112	8.13	-96.1	0.4	1.1
08/24/04	03:00:52	27.66	243.352	255.695	231	0.02	0.7	63	48.81	20.146	8.11	-95.1	-0.2	1.7
08/24/04	03:30:52	27.56	243.774	255.695	231.59	0.08	3.7	62	48.85	20.165	8.1	-94.2	0.5	-0.2
08/24/04	04:00:52	27.59	243.664	255.695	231.44	0.22	10.1	64	48.91	20.198	8.08	-93.4	0	0.1
08/24/04	04:30:52	27.62	243.506	255.695	231.22	0.35	16.3	60	48.95	20.228	8.06	-92	0.2	-0.5
08/24/04	05:00:52	27.64	243.425	255.695	231.1	0.34	15.8	60	48.95	20.231	8.07	-92.9	0.7	-0.6
08/24/04	05:30:52	27.6	243.579	255.695	231.32	0.49	22.6	60	48.98	20.247	8.04	-91.2	0.5	-0.5
08/24/04	06:00:52	27.59	243.62	255.691	231.38	0.61	28.2	59	49	20.253	8.03	-90.6	0.3	-0.5
08/24/04	06:30:52	27.6	243.607	255.695	231.36	0.72	33.3	58	49	20.256	8.02	-89.9	0.5	-0.5
08/24/04	07:00:52	27.61	243.563	255.695	231.3	0.86	39.8	58	49	20.258	8.02	-89.7	-0.3	-0.5
08/24/04	07:30:52	27.45	244.246	255.691	232.25	0.78	36	60	48.98	20.226	8.05	-91.4	-0.6	-0.5
08/24/04	08:00:52	27.69	243.21	255.695	230.8	0.71	32.7	58	48.99	20.258	8.04	-90.9	0.6	-0.5
08/24/04	08:30:52	27.71	243.117	255.695	230.67	0.74	34	58	48.98	20.254	8.04	-90.9	0	-0.5
08/24/04	09:00:52	27.66	243.352	255.695	231	0.69	31.7	58	48.97	20.244	8.04	-90.9	0.5	-0.5
08/24/04	09:30:52	27.72	243.085	255.699	230.63	0.65	30.1	56	48.96	20.243	8.05	-91.5	0.1	-0.5
08/24/04	10:00:52	27.72	243.076	255.699	230.62	0.46	21	59	48.94	20.234	8.09	-93.6	0.3	-0.5
08/24/04	10:30:52	27.83	242.597	255.695	229.94	0.44	20.4	59	48.92	20.232	8.09	-93.6	0.2	-0.5
08/24/04	11:00:52	27.77	242.858	255.699	230.31	0.44	20	60	48.9	20.214	8.09	-93.8	0.3	-0.5
08/24/04	11:30:52	27.79	242.781	255.703	230.2	0.38	17.7	62	48.88	20.206	8.1	-94.2	-0	-0.5
08/24/04	12:00:52	27.79	242.75	255.699	230.16	0.31	14	65	48.85	20.188	8.12	-95.8	4.3	-0.6
08/24/04	12:30:52	27.79	242.77	255.699	230.19	0.13	6	67	48.82	20.167	8.14	-96.6	16.7	-0.6
08/24/04	13:00:52	27.69	243.218	255.703	230.81	0.07	3.4	69	48.78	20.132	8.15	-97.1	31	-0.5
08/24/04	13:30:52	27.63	243.452	255.703	231.14	-0.03	-1.2	73	48.77	20.122	8.16	-97.9	50.1	-0.4
08/24/04	14:00:52	27.63	243.489	255.703	231.19	-0.08	-3.9	76	48.71	20.087	8.18	-99.1	72	-0
08/24/04	14:30:52	27.59	243.655	255.703	231.43	-0.15	-7.1	76	48.67	20.057	8.21	-100.8	89.1	-0.6
08/24/04	15:00:52	27.62	243.521	255.707	231.24	-0.3	-13.7	77	48.62	20.029	8.21	-100.5	124.9	-0.5
08/24/04	15:30:52	27.34	244.769	255.699	232.99	-0.3	-13.9	77	48.55	19.962	8.18	-98.9	139.7	-0.5
08/24/04	16:00:52	27.3	244.946	255.695	233.24	-0.35	-16.1	74	48.49	19.922	8.21	-100.5	164.8	-0.5
08/24/04	16:30:52	27.39	244.532	255.695	232.65	-0.27	-12.4	79	48.42	19.892	8.19	-99.5	192.3	-0.1
08/24/04	17:00:52	27.23	245.25	255.695	233.66	-0.48	-22.5	76	48.37	19.843	8.17	-98	207.2	-0.5
08/24/04	17:30:52	27.25	245.18	255.695	233.56	-0.4	-18.7	73	48.3	19.803	8.15	-97.2	193.4	0.7
08/24/04	18:00:52	27.38	244.581	255.695	232.72	-0.44	-20.5	71	48.24	19.778	8.16	-97.6	208.3	0
08/24/04	18:30:52	27.38	244.569	255.695	232.71	-0.49	-22.8	73	48.17	19.74	8.15	-97.4	233.5	0.9
08/24/04	19:00:52	27.37	244.605	255.699	232.76	-0.37	-17	74	48.13	19.714	8.14	-96.7	290.8	10.6
08/24/04	19:30:52	27.38	244.581	255.699	232.72	-0.41	-19.2	74	48.09	19.69	8.15	-96.9	212.3	4.7
08/24/04	20:00:52	27.42	244.421	255.699	232.5	-0.32	-14.9	74	48.06	19.676	8.16	-97.4	208.2	2.6
08/24/04	20:30:52	27.4	244.495	255.695	232.6	-0.27	-12.5	73	48.05	19.669	8.15	-97	211.9	8.7
08/24/04	21:00:52	27.29	244.999	255.695	233.31	-0.36	-16.6	74	48.02	19.638	8.15	-96.8	164	20.3
08/24/04	21:30:52	27.28	245.036	255.695	233.36	-0.42	-19.5	71	48.03	19.646	8.15	-97	135.1	16.4
08/24/04	22:00:52	27.23	245.254	255.691	233.67	-0.48	-22.2	74	48.04	19.646	8.15	-97.3	109.9	6.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/24/04	22:30:52	27.24	245.221	255.691	233.62	-0.38	-17.6	70	48.07	19.666	8.15	-96.9	46.4	6.1
08/24/04	23:00:52	27.36	244.659	255.695	232.83	-0.49	-22.7	73	48.11	19.7	8.17	-98	64.4	-0.2
08/24/04	23:30:52	27.47	244.169	255.695	232.14	-0.38	-17.6	69	48.16	19.743	8.15	-97.1	32.6	-0.5
08/25/04	00:00:52	27.59	243.652	255.695	231.42	-0.22	-10.3	66	48.22	19.789	8.14	-96.4	16.1	2.1
08/25/04	00:30:52	27.34	244.744	255.703	232.95	-0.15	-7.2	67	48.3	19.811	8.14	-96.4	6.5	115.6
08/25/04	01:00:52	27.76	242.914	255.707	230.39	-0.04	-1.7	67	48.37	19.896	8.13	-96.3	-0.7	-0.5
08/25/04	01:30:52	27.67	243.303	255.699	230.93	-0.04	-1.9	69	48.46	19.941	8.14	-96.4	0.4	-0.3
08/25/04	02:00:52	27.66	243.311	255.695	230.94	-0.13	-6.1	67	48.55	19.992	8.13	-96.3	-0.1	0
08/25/04	02:30:52	27.57	243.741	255.695	231.55	-0.13	-6.2	67	48.63	20.031	8.13	-96.1	0.6	-0
08/25/04	03:00:52	27.53	243.932	255.699	231.81	-0.15	-7	62	48.7	20.067	8.13	-96	0.4	-0.5
08/25/04	03:30:52	27.5	244.042	255.695	231.97	-0.13	-5.9	65	48.78	20.112	8.13	-95.8	0.4	-0.5
08/25/04	04:00:52	27.61	243.579	255.699	231.32	-0.09	-4.3	62	48.83	20.156	8.12	-95.5	0.1	-0.5
08/25/04	04:30:52	27.59	243.639	255.699	231.4	-0.06	-2.6	62	48.9	20.196	8.11	-94.8	0.5	43.8
08/25/04	05:00:52	27.61	243.546	255.699	231.27	0.08	3.7	58	48.95	20.226	8.1	-94.3	0.4	20.6
08/25/04	05:30:52	27.57	243.737	255.699	231.54	0.31	14.5	69	48.99	20.249	8.07	-92.9	0.5	-0.5
08/25/04	06:00:52	27.61	243.574	255.699	231.31	0.35	16	73	49.03	20.276	8.07	-92.3	0.7	-0.5
08/25/04	06:30:52	27.55	243.802	255.695	231.63	0.36	16.6	73	49.06	20.286	8.06	-92.2	0.2	-0.5
08/25/04	07:00:52	27.62	243.538	255.703	231.26	0.29	13.6	74	49.08	20.304	8.06	-92.2	0.5	-0.5
08/25/04	07:30:52	27.56	243.769	255.699	231.59	0.35	16.1	74	49.08	20.301	8.06	-91.9	0.4	-0.5
08/25/04	08:00:52	27.67	243.274	255.703	230.89	0.11	5.1	76	49.08	20.313	8.12	-95.5	0.6	-0.2
08/25/04	08:30:52	27.68	243.258	255.703	230.87	0.08	3.6	74	49.08	20.313	8.12	-95.5	-0.2	-0.5
08/25/04	09:00:52	27.65	243.371	255.703	231.03	0.04	2	76	49.08	20.311	8.13	-95.8	0.4	3.1
08/25/04	09:30:52	27.63	243.489	255.703	231.19	-0.06	-2.7	70	49.07	20.298	8.13	-96	0.5	0.4
08/25/04	10:00:52	27.6	243.594	255.703	231.34	-0.09	-4.2	73	49.04	20.28	8.13	-96	0.4	-0.5
08/25/04	10:30:52	27.57	243.741	255.699	231.55	0.04	1.8	67	49.02	20.265	8.13	-95.9	0.3	-0.3
08/25/04	11:00:52	27.58	243.708	255.703	231.5	-0.13	-5.9	59	49	20.251	8.13	-95.9	0.4	-0.2
08/25/04	11:30:52	27.45	244.258	255.699	232.27	-0.19	-8.6	59	48.98	20.23	8.13	-96	0.3	-0.5
08/25/04	12:00:52	27.33	244.802	255.699	233.03	-0.26	-12.2	60	48.97	20.208	8.13	-95.8	4.2	-0.5
08/25/04	12:30:52	27.27	245.057	255.695	233.39	-0.24	-11	60	48.94	20.185	8.14	-96.4	14.6	-0.5
08/25/04	13:00:52	27.3	244.938	255.695	233.22	-0.33	-15.3	60	48.9	20.165	8.15	-97.2	41.9	-0.5
08/25/04	13:30:52	27.15	245.6	255.691	234.16	-0.35	-16.1	60	48.87	20.131	8.15	-97.3	45.3	1.5
08/25/04	14:00:52	27.05	246.055	255.691	234.8	-0.37	-17.4	63	48.83	20.099	8.17	-98	64.9	-0.5
08/25/04	14:30:52	26.94	246.574	255.688	235.53	-0.35	-16.3	62	48.78	20.057	8.19	-99.1	61.4	-0.5
08/25/04	15:00:52	27.02	246.175	255.688	234.97	-0.38	-18	61	48.72	20.03	8.23	-101.6	109.1	0
08/25/04	15:30:52	26.78	247.274	255.688	236.52	-0.42	-19.6	61	48.68	19.979	8.19	-99.1	122.4	-0.5
08/25/04	16:00:52	26.74	247.442	255.684	236.75	-0.51	-24	63	48.63	19.944	8.2	-99.7	112.9	25.8
08/25/04	16:30:52	26.86	246.903	255.684	235.99	-0.46	-21.8	63	48.56	19.916	8.16	-97.8	171.1	1.2
08/25/04	17:00:52	26.83	247.057	255.688	236.21	-0.53	-24.9	61	48.49	19.87	8.17	-98.4	151.4	-0.5
08/25/04	17:30:52	26.95	246.524	255.688	235.46	-0.48	-22.4	64	48.41	19.838	8.17	-98.2	208.4	-0.5
08/25/04	18:00:52	26.97	246.437	255.688	235.33	-0.64	-29.9	62	48.35	19.803	8.18	-98.6	221.3	-0.3
08/25/04	18:30:52	26.97	246.424	255.688	235.32	-0.59	-27.8	62	48.29	19.767	8.17	-98	184.4	0.5
08/25/04	19:00:52	27.04	246.096	255.691	234.85	-0.69	-32.4	64	48.21	19.73	8.17	-98.1	232.5	-0.5
08/25/04	19:30:52	27.08	245.927	255.691	234.62	-0.6	-28	64	48.15	19.696	8.16	-97.7	192.7	-0.5
08/25/04	20:00:52	27.03	246.134	255.691	234.91	-0.55	-25.7	64	48.09	19.659	8.17	-98.1	200.1	-0.4
08/25/04	20:30:52	27.12	245.728	255.691	234.34	-0.59	-27.8	64	48.03	19.628	8.16	-97.7	175.2	9
08/25/04	21:00:52	27.12	245.736	255.691	234.35	-0.55	-25.9	66	48	19.611	8.18	-98.6	153.5	-0.2
08/25/04	21:30:52	27.21	245.324	255.695	233.77	-0.51	-23.9	64	47.99	19.617	8.16	-97.6	138	2.4
08/25/04	22:00:52	27.19	245.447	255.695	233.94	-0.46	-21.6	65	47.97	19.601	8.17	-98.3	109.6	0
08/25/04	22:30:52	27.35	244.692	255.695	232.88	-0.37	-17.2	67	47.97	19.618	8.17	-98	88.7	0.7
08/25/04	23:00:52	27.38	244.601	255.699	232.75	-0.34	-15.7	63	48	19.638	8.16	-98	59.2	-0.5
08/25/04	23:30:52	27.51	244.009	255.703	231.92	-0.24	-11	63	48.03	19.666	8.15	-97	36.5	-0.5
08/26/04	00:00:52	27.68	243.238	255.703	230.84	-0.13	-5.8	60	48.07	19.708	8.14	-96.6	17.6	1.2
08/26/04	00:30:52	27.65	243.388	255.703	231.05	-0.08	-3.8	59	48.12	19.737	8.13	-96.1	4.5	-0.5
08/26/04	01:00:52	27.58	243.68	255.703	231.46	-0.06	-2.7	59	48.17	19.76	8.13	-96.3	1.1	0.1
08/26/04	01:30:52	27.7	243.153	255.707	230.72	-0.05	-2.4	59	48.26	19.828	8.14	-96.6	-0.1	2.1
08/26/04	02:00:52	27.71	243.12	255.707	230.68	-0.03	-1.6	60	48.35	19.877	8.14	-96.6	1.1	2.2
08/26/04	02:30:52	27.71	243.136	255.707	230.7	0.07	3.2	61	48.44	19.931	8.14	-96.8	0.4	20.5
08/26/04	03:00:52	27.77	242.874	255.703	230.33	0.07	3.1	59	48.53	19.99	8.14	-96.7	0.2	9.4
08/26/04	03:30:52	27.85	242.499	255.707	229.81	0.13	6.1	59	48.63	20.063	8.14	-96.7	0.1	15
08/26/04	04:00:52	27.91	242.243	255.703	229.45	0.12	5.5	58	48.71	20.116	8.14	-96.6	0.6	4.2
08/26/04	04:30:52	27.87	242.411	255.707	229.68	0.18	8.4	59	48.79	20.158	8.14	-96.4	0.8	3.5
08/26/04	05:00:52	27.85	242.527	255.707	229.85	0.19	8.9	59	48.85	20.193	8.14	-96.4	0.6	4.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/26/04	05:30:52	27.75	242.963	255.703	230.46	0.2	9.2	59	48.92	20.223	8.13	-96.2	-0.1	3.7
08/26/04	06:00:52	27.76	242.898	255.707	230.37	0.17	7.9	59	48.95	20.244	8.13	-96.1	0.2	2.3
08/26/04	06:30:52	27.81	242.684	255.707	230.07	0.22	10.2	59	49.02	20.287	8.13	-96	0.6	1.5
08/26/04	07:00:52	27.75	242.923	255.703	230.4	0.27	12.5	59	49.05	20.303	8.13	-96.1	0.1	1.4
08/26/04	07:30:52	27.75	242.955	255.707	230.44	0.3	13.8	61	49.08	20.317	8.13	-95.9	0.4	1.7
08/26/04	08:00:52	27.78	242.797	255.711	230.22	0.3	13.7	62	49.08	20.325	8.12	-95.6	-0	3
08/26/04	08:30:52	27.75	242.934	255.711	230.42	0.34	15.7	62	49.12	20.342	8.11	-94.7	0.3	2.6
08/26/04	09:00:52	27.81	242.676	255.711	230.06	0.35	16.2	63	49.1	20.336	8.12	-95.3	0.5	2.6
08/26/04	09:30:52	27.78	242.817	255.711	230.25	0.28	12.9	64	49.1	20.332	8.12	-95.3	0.7	2.3
08/26/04	10:00:52	27.76	242.89	255.707	230.35	0.23	10.5	65	49.09	20.328	8.12	-95.6	0.5	2.5
08/26/04	10:30:52	27.74	243.015	255.711	230.53	0.2	9.2	61	49.08	20.317	8.12	-95.4	0.4	2.5
08/26/04	11:00:52	27.69	243.229	255.707	230.83	0.12	5.5	60	49.07	20.308	8.13	-95.8	0.2	2.1
08/26/04	11:30:52	27.62	243.509	255.703	231.22	0.08	3.5	60	49.06	20.294	8.12	-95.6	0.3	2
08/26/04	12:00:52	27.64	243.408	255.703	231.08	0.1	4.6	59	49.04	20.286	8.12	-95.3	3.5	2.1
08/26/04	12:30:52	27.6	243.61	255.707	231.36	0.03	1.2	59	49.03	20.274	8.13	-96.1	14.4	2.6
08/26/04	13:00:52	27.7	243.177	255.707	230.76	0.02	1	60	49.01	20.271	8.15	-97.2	30.4	2.1
08/26/04	13:30:52	27.63	243.456	255.707	231.15	-0.02	-1	63	48.98	20.247	8.16	-97.5	44.1	3
08/26/04	14:00:52	27.53	243.911	255.703	231.78	-0.14	-6.3	60	48.94	20.212	8.19	-99.6	64.2	7.1
08/26/04	14:30:52	27.38	244.584	255.703	232.73	-0.16	-7.6	61	48.93	20.19	8.16	-97.8	32.9	3.3
08/26/04	15:00:52	27.19	245.451	255.699	233.95	-0.26	-12.1	61	48.87	20.133	8.19	-99.3	101.3	2.9
08/26/04	15:30:52	27.15	245.633	255.699	234.2	-0.21	-10	61	48.83	20.107	8.2	-99.9	120.3	2.5
08/26/04	16:00:52	27.14	245.633	255.691	234.2	-0.28	-12.9	61	48.77	20.073	8.19	-99.2	143.9	4
08/26/04	16:30:52	27.19	245.422	255.699	233.91	-0.22	-10.4	61	48.7	20.037	8.17	-98.4	161	3.9
08/26/04	17:00:52	27.18	245.48	255.699	233.99	-0.24	-11.3	61	48.65	20.005	8.16	-97.5	188.2	4.1
08/26/04	17:30:52	27.25	245.163	255.699	233.54	-0.21	-10	61	48.58	19.968	8.17	-98.1	208	5.7
08/26/04	18:00:52	27.32	244.851	255.699	233.1	-0.26	-11.9	62	48.51	19.936	8.16	-97.7	71.3	5.2
08/26/04	18:30:52	27.4	244.479	255.695	232.58	-0.3	-13.8	64	48.43	19.895	8.16	-97.7	232.1	5.4
08/26/04	19:00:52	27.48	244.139	255.703	232.1	-0.33	-15.4	65	48.36	19.865	8.16	-98	196.3	4.7
08/26/04	19:30:52	27.47	244.172	255.703	232.15	-0.4	-18.5	64	48.28	19.815	8.16	-97.8	195.5	4.8
08/26/04	20:00:52	27.63	243.497	255.707	231.2	-0.27	-12.6	62	48.22	19.793	8.16	-97.7	181.7	5.2
08/26/04	20:30:52	27.56	243.769	255.707	231.58	-0.29	-13.6	63	48.15	19.745	8.16	-97.8	161.9	6.3
08/26/04	21:00:52	27.63	243.476	255.707	231.17	-0.38	-17.3	63	48.11	19.726	8.17	-98.5	148.1	6.9
08/26/04	21:30:52	27.73	243.031	255.711	230.55	-0.29	-13.5	63	48.06	19.71	8.17	-98.5	149.8	5
08/26/04	22:00:52	27.8	242.713	255.707	230.11	-0.33	-15.1	64	48.01	19.688	8.17	-98.1	109.5	3.4
08/26/04	22:30:52	27.8	242.708	255.711	230.1	-0.26	-11.8	61	47.98	19.668	8.16	-97.8	91	3.9
08/26/04	23:00:52	27.88	242.374	255.711	229.63	-0.27	-12.3	62	47.97	19.668	8.15	-97.5	38.4	5.4
08/26/04	23:30:52	27.42	244.432	255.715	232.51	-0.07	-3.2	60	47.97	19.625	8.14	-96.8	29.8	4.5
08/27/04	00:00:52	27.99	241.913	255.711	228.99	0.05	2.2	60	47.99	19.691	8.14	-96.6	13.2	5.4
08/27/04	00:30:52	27.91	242.258	255.711	229.47	0.19	8.9	62	48.01	19.695	8.13	-96.3	3.9	4.1
08/27/04	01:00:52	28.01	241.821	255.715	228.86	0.16	7.5	62	48.05	19.729	8.14	-96.5	0.1	4.5
08/27/04	01:30:52	28	241.841	255.715	228.89	0.15	7	62	48.1	19.762	8.13	-96.3	0.4	4.7
08/27/04	02:00:52	27.99	241.893	255.719	228.96	0.16	7.3	63	48.18	19.809	8.13	-96.3	0.6	3.4
08/27/04	02:30:52	27.96	242.013	255.711	229.13	0.11	5	62	48.27	19.855	8.13	-96.3	0.6	4.1
08/27/04	03:00:52	28.04	241.697	255.715	228.69	0.05	2.2	62	48.37	19.925	8.13	-96.1	0	5
08/27/04	03:30:52	28.04	241.669	255.715	228.65	0.08	3.5	63	48.45	19.971	8.13	-96.1	0.2	4.6
08/27/04	04:00:52	28.05	241.629	255.715	228.59	0.1	4.8	62	48.53	20.022	8.13	-95.9	0.4	4.4
08/27/04	04:30:52	28.04	241.689	255.715	228.68	0.05	2.3	59	48.63	20.078	8.13	-95.9	0.6	5
08/27/04	05:00:52	28.02	241.769	255.715	228.79	0.14	6.5	58	48.7	20.12	8.11	-95.3	0.4	3.5
08/27/04	05:30:52	28.04	241.697	255.715	228.69	0.12	5.3	59	48.78	20.17	8.12	-95.6	-0	4.4
08/27/04	06:00:52	27.99	241.881	255.715	228.95	0.24	11.1	58	48.85	20.208	8.1	-94.4	0.1	4.5
08/27/04	06:30:52	28.01	241.813	255.715	228.85	0.4	18.3	58	48.92	20.25	8.09	-94	-0.1	3.9
08/27/04	07:00:52	28.02	241.777	255.715	228.8	0.41	18.9	57	48.97	20.283	8.09	-94.1	0.4	4.9
08/27/04	07:30:52	27.98	241.941	255.715	229.03	0.44	20.2	58	49.01	20.302	8.09	-93.8	-0.1	2.3
08/27/04	08:00:52	28.49	239.72	255.711	225.94	0.47	21	57	49.03	20.363	8.09	-93.8	0.3	2.6
08/27/04	08:30:52	28.01	241.793	255.715	228.82	0.47	21.7	58	49.06	20.335	8.09	-93.7	0.1	2.9
08/27/04	09:00:52	27.98	241.925	255.715	229.01	0.55	25.3	57	49.08	20.342	8.08	-93.5	0.1	3.6
08/27/04	09:30:52	28.05	241.649	255.715	228.62	0.59	26.9	57	49.07	20.345	8.08	-93.3	0	0.6
08/27/04	10:00:52	28.04	241.693	255.715	228.68	0.55	25	57	49.09	20.352	8.09	-94.1	0.6	1.5
08/27/04	10:30:52	28.07	241.573	255.719	228.52	0.4	18.1	58	49.09	20.355	8.12	-95.4	0.3	1.3
08/27/04	11:00:52	28.08	241.494	255.715	228.41	0.49	22.5	63	49.07	20.349	8.13	-96.1	0.7	2.5
08/27/04	11:30:52	28.04	241.665	255.719	228.64	0.5	22.7	63	49.06	20.337	8.13	-96	0.1	2.4
08/27/04	12:00:52	28.07	241.537	255.719	228.47	0.46	21.2	64	49.07	20.346	8.13	-96	3.2	3.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/27/04	12:30:52	28.07	241.541	255.719	228.47	0.37	17.1	63	49.06	20.339	8.14	-96.6	11.1	2.8
08/27/04	13:00:52	28.07	241.561	255.719	228.5	0.34	15.6	63	49.05	20.333	8.14	-96.9	23.4	3.2
08/27/04	13:30:52	28.01	241.813	255.719	228.85	0.15	6.9	61	49.01	20.302	8.16	-97.9	47.1	3
08/27/04	14:00:52	27.9	242.306	255.719	229.54	0.12	5.5	61	49	20.289	8.18	-99.1	74.9	3.5
08/27/04	14:30:52	27.89	242.342	255.719	229.59	0.09	4.2	61	48.98	20.273	8.16	-97.9	49.7	3.6
08/27/04	15:00:52	27.91	242.269	255.719	229.49	0.11	5.2	62	48.95	20.255	8.18	-99.1	102.3	4.5
08/27/04	15:30:52	27.98	241.957	255.719	229.05	0.06	3	62	48.92	20.245	8.19	-99.5	123.7	5.1
08/27/04	16:00:52	28	241.88	255.723	228.94	0.05	2.2	63	48.89	20.228	8.19	-99.7	142.4	4.3
08/27/04	16:30:52	27.93	242.165	255.723	229.34	-0	-0.2	63	48.84	20.195	8.18	-98.8	168.2	5.6
08/27/04	17:00:52	27.95	242.089	255.719	229.24	-0.02	-1	64	48.79	20.168	8.16	-98.1	179.5	7.1
08/27/04	17:30:52	27.89	242.354	255.719	229.6	0.03	1.6	62	48.73	20.125	8.15	-97.4	195.7	5.7
08/27/04	18:00:52	27.87	242.434	255.719	229.72	0.05	2.3	64	48.7	20.103	8.17	-98.2	210.4	4.2
08/27/04	18:30:52	27.88	242.378	255.719	229.64	-0.14	-6.2	62	48.61	20.054	8.16	-97.8	179.1	3.7
08/27/04	19:00:52	27.57	243.772	255.719	231.59	-0.1	-4.6	63	48.53	19.971	8.16	-97.5	199.1	2.3
08/27/04	19:30:52	27.97	241.993	255.719	229.1	-0.14	-6.6	64	48.45	19.965	8.17	-98.3	200.6	4
08/27/04	20:00:52	27.98	241.96	255.723	229.06	-0.01	-0.6	62	48.37	19.921	8.15	-97.5	146.3	3.3
08/27/04	20:30:52	27.94	242.141	255.719	229.31	0.01	0.3	62	48.29	19.864	8.16	-97.7	100.5	3.7
08/27/04	21:00:52	27.88	242.382	255.719	229.64	-0.09	-4	62	48.22	19.822	8.16	-98	117.6	5.6
08/27/04	21:30:52	27.9	242.302	255.715	229.53	-0	-0.1	61	48.16	19.782	8.16	-97.7	98.4	4.5
08/27/04	22:00:52	27.88	242.366	255.719	229.62	-0.06	-2.7	62	48.09	19.741	8.16	-98	86.5	2.6
08/27/04	22:30:52	27.89	242.318	255.715	229.55	0.01	0.5	62	48.04	19.711	8.15	-97.4	63.8	3.1
08/27/04	23:00:52	27.91	242.262	255.715	229.48	0.1	4.5	61	48	19.692	8.14	-96.7	36.3	2.6
08/27/04	23:30:52	27.83	242.599	255.715	229.95	0.15	6.7	61	47.97	19.665	8.13	-96.3	22.2	2.5
08/28/04	00:00:52	27.91	242.254	255.715	229.47	0.19	8.9	60	47.94	19.656	8.13	-96.1	12	3
08/28/04	00:30:52	27.89	242.35	255.719	229.6	0.26	11.7	59	47.97	19.668	8.12	-95.8	3.5	2.3
08/28/04	01:00:52	27.78	242.813	255.711	230.25	0.25	11.7	59	47.96	19.655	8.12	-95.7	0.3	10.9
08/28/04	01:30:52	27.85	242.531	255.711	229.85	0.26	11.9	59	47.99	19.679	8.12	-95.6	0.7	3.1
08/28/04	02:00:52	27.79	242.773	255.711	230.19	0.29	13.1	59	48.04	19.7	8.13	-95.8	0.2	4
08/28/04	02:30:52	27.79	242.793	255.711	230.22	0.38	17.3	59	48.09	19.735	8.12	-95.7	0.3	4
08/28/04	03:00:52	27.77	242.841	255.711	230.29	0.36	16.7	60	48.17	19.777	8.13	-95.9	0.5	2.7
08/28/04	03:30:52	27.66	243.331	255.707	230.97	0.45	20.6	60	48.25	19.816	8.12	-95.6	-0.1	3.2
08/28/04	04:00:52	27.81	242.664	255.711	230.04	0.44	20.4	60	48.34	19.882	8.12	-95.6	0.4	2.9
08/28/04	04:30:52	27.74	242.983	255.711	230.48	0.46	21.3	60	48.42	19.926	8.12	-95.3	0.1	2.7
08/28/04	05:00:52	27.78	242.809	255.711	230.24	0.38	17.7	60	48.51	19.983	8.11	-95.1	0.8	2.8
08/28/04	05:30:52	27.79	242.757	255.711	230.17	0.42	19.2	58	48.58	20.026	8.11	-94.7	0.4	2.9
08/28/04	06:00:52	27.77	242.87	255.711	230.33	0.44	20.1	59	48.66	20.071	8.1	-94.1	0.5	3.5
08/28/04	06:30:52	27.81	242.676	255.711	230.06	0.52	24	58	48.73	20.117	8.09	-93.7	0.3	5.9
08/28/04	07:00:52	27.77	242.857	255.711	230.31	0.55	25.4	58	48.8	20.154	8.1	-94.4	-0	6.5
08/28/04	07:30:52	27.82	242.656	255.711	230.03	0.57	26.2	57	48.85	20.189	8.09	-93.9	0.4	4.2
08/28/04	08:00:52	27.89	242.314	255.711	229.55	0.48	22	59	48.89	20.222	8.11	-95.2	0.6	37.6
08/28/04	08:30:52	27.95	242.061	255.711	229.2	0.46	20.9	59	48.93	20.251	8.11	-95.1	0.6	-0.5
08/28/04	09:00:52	27.95	242.085	255.715	229.23	0.44	20.1	59	48.95	20.263	8.12	-95.4	0.2	3.9
08/28/04	09:30:52	27.98	241.945	255.715	229.03	0.38	17.4	60	48.98	20.281	8.13	-95.9	0.5	4.8
08/28/04	10:00:52	28.23	240.853	255.715	227.51	0.34	15.6	59	49	20.318	8.12	-95.8	0.5	5.2
08/28/04	10:30:52	27.9	242.294	255.715	229.52	0.32	14.6	59	49.01	20.291	8.13	-96.2	0.4	7.8
08/28/04	11:00:52	27.87	242.442	255.715	229.73	0.28	12.7	59	49.03	20.297	8.13	-95.9	0.3	7.3
08/28/04	11:30:52	27.87	242.414	255.715	229.69	0.34	15.6	59	49.02	20.295	8.12	-95.8	0.1	-0.5
08/28/04	12:00:52	27.8	242.724	255.711	230.12	0.32	14.6	60	49	20.278	8.12	-95.6	3.1	2.5
08/28/04	12:30:52	27.84	242.571	255.711	229.91	0.31	14	60	49.01	20.286	8.13	-96.1	10.7	2.4
08/28/04	13:00:52	27.9	242.29	255.711	229.52	0.27	12.5	60	48.99	20.281	8.15	-97	24.9	4.8
08/28/04	13:30:52	27.81	242.708	255.715	230.1	0.22	10.1	60	49	20.275	8.16	-97.8	39.2	4.7
08/28/04	14:00:52	27.84	242.575	255.719	229.91	0.2	9.1	60	48.97	20.265	8.18	-98.9	54.2	3.9
08/28/04	14:30:52	27.84	242.543	255.719	229.87	0.18	8.3	61	48.96	20.258	8.19	-99.2	74.1	3.6
08/28/04	15:00:52	27.76	242.897	255.715	230.36	0.11	5.2	61	48.95	20.239	8.19	-99.5	45.1	1.7
08/28/04	15:30:52	27.74	243.01	255.715	230.52	0.11	5.1	61	48.94	20.233	8.18	-98.7	120.2	5.6
08/28/04	16:00:52	27.69	243.229	255.715	230.83	0.08	3.7	61	48.93	20.221	8.17	-98.4	134.9	2.1
08/28/04	16:30:52	27.64	243.443	255.715	231.13	0.06	2.8	61	48.9	20.201	8.18	-98.9	163	1.2
08/28/04	17:00:52	27.55	243.849	255.715	231.7	0.05	2.3	62	48.88	20.177	8.17	-98	164.6	3.9
08/28/04	17:30:52	27.48	244.147	255.711	232.11	0.02	0.8	61	48.85	20.154	8.16	-97.9	149.1	-0.4
08/28/04	18:00:52	27.5	244.074	255.711	232.01	-0.04	-2	62	48.79	20.122	8.17	-98.1	191.4	3.7
08/28/04	18:30:52	27.47	244.184	255.711	232.17	-0.06	-2.6	62	48.76	20.099	8.17	-98.3	184.8	2.1
08/28/04	19:00:52	27.46	244.212	255.707	232.21	-0.09	-4.1	63	48.7	20.062	8.16	-97.8	173.3	3.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/28/04	19:30:52	27.47	244.176	255.707	232.15	-0.08	-3.8	63	48.64	20.026	8.17	-98.1	168	3.3
08/28/04	20:00:52	27.51	244.033	255.711	231.95	-0.05	-2.1	63	48.56	19.982	8.17	-98.4	174.6	1.4
08/28/04	20:30:52	27.48	244.127	255.707	232.09	-0.06	-2.8	63	48.48	19.935	8.18	-99	156.7	4.4
08/28/04	21:00:52	27.47	244.192	255.707	232.18	-0.02	-0.8	63	48.4	19.885	8.16	-97.5	156	0.9
08/28/04	21:30:52	27.49	244.094	255.707	232.04	0.24	10.9	60	48.33	19.849	8.14	-96.4	32.6	-0.2
08/28/04	22:00:52	27.47	244.196	255.707	232.18	0.32	15	60	48.27	19.808	8.13	-95.8	10.2	-0.2
08/28/04	22:30:52	27.41	244.433	255.703	232.52	0.38	17.8	60	48.19	19.751	8.13	-95.8	13.9	-0.3
08/28/04	23:00:52	27.44	244.298	255.703	232.33	0.44	20.4	60	48.14	19.729	8.13	-95.8	8.3	-0.3
08/28/04	23:30:52	27.36	244.679	255.699	232.86	0.48	22.5	60	48.09	19.691	8.13	-95.7	5	-0.3
08/29/04	00:00:52	27.32	244.831	255.699	233.07	0.49	22.9	60	48.06	19.667	8.12	-95.5	3.3	-0.3
08/29/04	00:30:52	27.35	244.695	255.699	232.88	0.53	24.6	59	48.03	19.654	8.13	-95.7	1	-0.3
08/29/04	01:00:52	27.52	243.981	255.703	231.88	0.56	26	60	48.02	19.662	8.12	-95.4	0.3	-0.1
08/29/04	01:30:52	27.48	244.14	255.699	232.1	0.58	26.7	60	48.02	19.661	8.12	-95.5	0.4	-0.2
08/29/04	02:00:52	27.4	244.482	255.703	232.58	0.59	27.6	59	48.02	19.655	8.12	-95.5	0.4	1
08/29/04	02:30:52	27.48	244.131	255.703	232.09	0.51	23.6	59	48.08	19.694	8.12	-95.6	0.7	1
08/29/04	03:00:52	27.52	243.968	255.703	231.86	0.52	24.2	59	48.11	19.72	8.12	-95.4	0.1	1.1
08/29/04	03:30:52	27.5	244.033	255.703	231.96	0.52	24	58	48.17	19.75	8.12	-95.2	0.1	5.3
08/29/04	04:00:52	27.51	244.025	255.703	231.94	0.53	24.6	59	48.24	19.792	8.11	-94.9	0.3	2.3
08/29/04	04:30:52	27.44	244.319	255.703	232.36	0.56	26	59	48.33	19.843	8.1	-94.4	0.5	2
08/29/04	05:00:52	27.45	244.294	255.703	232.32	0.58	26.8	59	48.4	19.884	8.1	-94.1	0.6	3.9
08/29/04	05:30:52	27.57	243.745	255.703	231.55	0.65	30	59	48.47	19.939	8.1	-94.1	0.7	3.5
08/29/04	06:00:52	27.55	243.822	255.703	231.66	0.72	33.4	58	48.54	19.979	8.09	-93.6	0.4	4.4
08/29/04	06:30:52	27.52	243.936	255.699	231.82	0.81	37.6	59	48.62	20.021	8.08	-93.3	0.4	0.1
08/29/04	07:00:52	27.49	244.082	255.703	232.02	0.89	41	58	48.69	20.059	8.07	-92.5	-0.1	6.3
08/29/04	07:30:52	27.47	244.18	255.703	232.16	1	46.5	57	48.75	20.094	8.05	-91.5	0.1	1.5
08/29/04	08:00:52	27.48	244.119	255.703	232.08	1.06	49.1	57	48.82	20.138	8.06	-91.8	0.6	10
08/29/04	08:30:52	27.49	244.115	255.703	232.07	1.13	52.2	57	48.86	20.162	8.05	-91.6	0.6	-0
08/29/04	09:00:52	27.5	244.038	255.703	231.96	1.25	57.8	57	48.88	20.177	8.03	-90.3	0.6	0.5
08/29/04	09:30:52	27.35	244.707	255.703	232.9	1.25	58.2	57	48.92	20.18	8.04	-90.9	0.1	0.1
08/29/04	10:00:52	27.47	244.181	255.699	232.16	1.32	61.3	57	48.94	20.209	8.02	-89.5	0.5	0.3
08/29/04	10:30:52	27.7	243.149	255.703	230.72	1.32	60.6	58	48.97	20.247	8.07	-92.6	0.5	11.1
08/29/04	11:00:52	27.58	243.687	255.707	231.47	0.99	45.6	59	48.96	20.231	8.11	-94.8	0.1	2.4
08/29/04	11:30:52	27.63	243.493	255.707	231.2	1	46.3	60	48.97	20.24	8.11	-94.7	0.6	0.6
08/29/04	12:00:52	27.36	244.679	255.703	232.86	0.79	36.9	60	48.97	20.215	8.13	-95.7	2	10.6
08/29/04	12:30:52	27.35	244.707	255.703	232.9	0.79	36.6	60	48.96	20.205	8.12	-95.5	10.3	0.2
08/29/04	13:00:52	27.29	244.986	255.699	233.29	0.7	32.7	60	48.96	20.201	8.12	-95.6	17.4	3.9
08/29/04	13:30:52	27.34	244.785	255.703	233.01	0.55	25.7	60	48.97	20.211	8.16	-97.6	40.2	10.3
08/29/04	14:00:52	27.27	245.081	255.699	233.43	0.47	22	60	48.96	20.195	8.18	-98.7	59	0.4
08/29/04	14:30:52	27.28	245.052	255.703	233.38	0.41	19	61	48.95	20.193	8.16	-98	55.1	1.2
08/29/04	15:00:52	27.32	244.863	255.703	233.12	0.32	15	62	48.94	20.191	8.19	-99.1	121.8	0.7
08/29/04	15:30:52	27.33	244.809	255.707	233.04	0.31	14.3	62	48.93	20.185	8.19	-99.5	143	0.7
08/29/04	16:00:52	27.43	244.383	255.711	232.45	0.25	11.4	62	48.93	20.195	8.18	-98.6	131.2	0
08/29/04	16:30:52	27.42	244.396	255.707	232.46	0.36	16.8	61	48.93	20.199	8.14	-96.5	36.8	-0
08/29/04	17:00:52	27.44	244.303	255.703	232.33	0.46	21.5	60	48.9	20.18	8.12	-95.5	6.4	70.9
08/29/04	17:30:52	27.52	243.981	255.703	231.88	0.49	22.7	59	48.88	20.178	8.11	-95.1	10.7	-0.2
08/29/04	18:00:52	27.5	244.058	255.703	231.99	0.52	24.2	60	48.88	20.172	8.11	-95	9.9	-0.3
08/29/04	18:30:52	27.55	243.846	255.703	231.69	0.54	24.9	59	48.84	20.157	8.11	-94.9	3.9	-0.2
08/29/04	19:00:52	27.57	243.728	255.707	231.53	0.45	20.8	60	48.8	20.136	8.13	-95.9	35.4	-0
08/29/04	19:30:52	27.51	243.992	255.707	231.9	0.39	17.8	61	48.76	20.105	8.14	-96.6	49.4	-0
08/29/04	20:00:52	27.6	243.63	255.711	231.39	0.4	18.4	60	48.71	20.083	8.14	-96.6	51.5	2.5
08/29/04	20:30:52	27.58	243.691	255.707	231.48	0.31	14.5	61	48.68	20.061	8.14	-96.7	57.4	0.7
08/29/04	21:00:52	27.53	243.915	255.707	231.79	0.26	12.1	62	48.61	20.017	8.15	-97.1	76.8	0.3
08/29/04	21:30:52	27.58	243.704	255.707	231.49	0.2	9.2	62	48.53	19.97	8.17	-98.2	85.3	1
08/29/04	22:00:52	27.56	243.793	255.707	231.62	0.25	11.5	62	48.47	19.936	8.15	-97.3	48.6	0.6
08/29/04	22:30:52	27.51	243.988	255.707	231.89	0.17	7.8	62	48.41	19.896	8.16	-97.7	57.5	1.5
08/29/04	23:00:52	27.5	244.053	255.711	231.98	0.26	12	61	48.35	19.858	8.15	-97.2	54.6	1.2
08/29/04	23:30:52	27.51	244.009	255.707	231.92	0.33	15.4	61	48.3	19.831	8.13	-96.2	27.4	0.7
08/30/04	00:00:52	27.52	243.984	255.711	231.89	0.37	17.3	61	48.24	19.793	8.13	-95.9	13.6	1.9
08/30/04	00:30:52	27.6	243.622	255.707	231.38	0.45	20.7	60	48.2	19.778	8.11	-95	2.5	0.3
08/30/04	01:00:52	27.58	243.683	255.707	231.46	0.51	23.3	60	48.18	19.766	8.11	-95.2	0.5	0.4
08/30/04	01:30:52	27.62	243.525	255.707	231.24	0.52	24.2	59	48.16	19.756	8.11	-94.7	0.6	-0.2
08/30/04	02:00:52	27.6	243.627	255.703	231.39	0.55	25.4	60	48.16	19.755	8.11	-95	0.7	-0.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/30/04	02:30:52	27.6	243.618	255.707	231.37	0.6	27.6	59	48.17	19.761	8.11	-94.8	0.5	0.1
08/30/04	03:00:52	27.52	243.964	255.711	231.86	0.65	30	59	48.19	19.768	8.11	-94.8	0	0
08/30/04	03:30:52	27.57	243.724	255.707	231.52	0.72	33.4	58	48.2	19.779	8.1	-94.2	0.8	0.2
08/30/04	04:00:52	27.53	243.935	255.707	231.82	0.81	37.3	59	48.26	19.806	8.08	-93.4	0.3	0.7
08/30/04	04:30:52	27.57	243.724	255.707	231.52	0.82	37.8	58	48.3	19.839	8.09	-93.5	0.5	-0.1
08/30/04	05:00:52	27.56	243.785	255.707	231.61	0.87	40	59	48.36	19.87	8.08	-93.3	0.5	0.4
08/30/04	05:30:52	27.57	243.765	255.707	231.58	1.02	47.2	58	48.43	19.911	8.07	-92.7	0.4	0.6
08/30/04	06:00:52	27.54	243.866	255.707	231.72	1.09	50.3	58	48.48	19.938	8.06	-92.1	0.2	-0.2
08/30/04	06:30:52	27.55	243.842	255.707	231.69	1.01	46.7	59	48.55	19.983	8.08	-93.1	0.1	-0.1
08/30/04	07:00:52	27.51	244.021	255.703	231.94	1.09	50.6	58	48.62	20.017	8.06	-91.9	0.4	-0.2
08/30/04	07:30:52	27.49	244.102	255.707	232.05	1.17	54.1	58	48.67	20.049	8.06	-91.7	0.6	-0.2
08/30/04	08:00:52	27.52	243.944	255.703	231.83	1.25	57.9	58	48.74	20.092	8.05	-91.4	0.6	0.3
08/30/04	08:30:52	27.59	243.651	255.707	231.42	1.29	59.8	58	48.79	20.129	8.05	-91.6	0.4	0.1
08/30/04	09:00:52	27.63	243.485	255.707	231.19	1.34	61.7	57	48.81	20.144	8.05	-91.2	0.2	0.2
08/30/04	09:30:52	27.4	244.506	255.707	232.62	1.45	67.4	57	48.85	20.143	8.01	-89.4	0.9	-0.3
08/30/04	10:00:52	27.74	243.007	255.703	230.52	1.67	76.7	57	48.85	20.182	8.01	-89.2	1.1	1
08/30/04	10:30:52	27.34	244.756	255.703	232.97	1.78	82.7	56	48.86	20.144	7.99	-88.2	0.8	0.7
08/30/04	11:00:52	27.56	243.789	255.707	231.61	1.87	86.5	56	48.88	20.182	7.98	-87.8	0.4	3.4
08/30/04	11:30:52	27.58	243.696	255.703	231.48	1.95	90	56	48.88	20.182	7.98	-87.5	0.5	1.5
08/30/04	12:00:52	27.79	242.769	255.707	230.19	1.97	90.5	57	48.89	20.21	8	-88.5	1.9	9.2
08/30/04	12:30:52	27.53	243.935	255.711	231.82	1.78	82.3	58	48.9	20.188	8.08	-93.1	5.3	3.7
08/30/04	13:00:52	27.77	242.861	255.711	230.31	1.43	65.8	60	48.89	20.207	8.11	-95	17.6	3.8
08/30/04	13:30:52	27.95	242.085	255.715	229.23	1.26	57.6	60	48.88	20.221	8.12	-95.4	6.1	2.8
08/30/04	14:00:52	27.9	242.294	255.715	229.52	1.13	51.7	60	48.87	20.209	8.13	-95.9	9.4	2.4
08/30/04	14:30:52	27.93	242.173	255.719	229.35	1.06	48.4	61	48.88	20.216	8.14	-96.4	33.4	0.5
08/30/04	15:00:52	27.88	242.394	255.719	229.66	0.8	36.9	62	48.87	20.208	8.17	-98.1	75.4	2.8
08/30/04	15:30:52	27.64	243.423	255.719	231.1	0.6	27.5	63	48.88	20.19	8.23	-102	135.2	1.4
08/30/04	16:00:52	28	241.857	255.719	228.91	0.75	34	63	48.87	20.216	8.16	-97.7	78.5	1
08/30/04	16:30:52	27.64	243.431	255.719	231.11	0.68	31.4	64	48.88	20.19	8.17	-98.5	91.9	1.6
08/30/04	17:00:52	27.93	242.165	255.723	229.34	0.42	19.3	65	48.88	20.221	8.2	-100.2	197.1	2.3
08/30/04	17:30:52	28.04	241.701	255.723	228.69	0.4	18.1	64	48.88	20.227	8.18	-99.1	125	1.3
08/30/04	18:00:52	28.02	241.772	255.723	228.79	0.51	23.1	64	48.88	20.226	8.16	-98.1	102.8	2.2
08/30/04	18:30:52	27.88	242.37	255.719	229.63	0.52	23.8	63	48.88	20.215	8.17	-98.3	83.1	1.2
08/30/04	19:00:52	28.47	239.838	255.719	226.1	0.6	27.3	62	48.87	20.263	8.16	-97.7	89.1	0.1
08/30/04	19:30:52	27.76	242.925	255.719	230.4	0.54	24.7	63	48.85	20.18	8.17	-98.1	73.8	2.2
08/30/04	20:00:52	27.5	244.06	255.723	231.99	0.26	11.9	65	48.81	20.132	8.17	-98.4	128.9	2.4
08/30/04	20:30:52	27.93	242.153	255.723	229.32	0.24	11.2	65	48.79	20.165	8.2	-100	128.9	3.9
08/30/04	21:00:52	27.96	242.045	255.723	229.17	0.15	6.8	65	48.75	20.145	8.2	-100	103.8	4.4
08/30/04	21:30:52	27.7	243.167	255.723	230.74	0.04	1.9	66	48.71	20.092	8.22	-101.4	100.3	5.2
08/30/04	22:00:52	28.09	241.453	255.723	228.35	0.11	4.9	65	48.65	20.095	8.2	-100.1	74.7	0.7
08/30/04	22:30:52	27.51	244	255.719	231.91	0.19	8.7	65	48.59	20.002	8.19	-99.6	58.2	2
08/30/04	23:00:52	28.44	239.936	255.723	226.24	0.33	14.9	63	48.53	20.063	8.17	-98.3	39.2	0.7
08/30/04	23:30:52	27.52	243.971	255.719	231.87	0.5	23.4	63	48.48	19.938	8.15	-97.3	24.3	0.6
08/31/04	00:00:52	27.9	242.282	255.715	229.5	0.69	31.6	61	48.43	19.944	8.13	-96.2	10	72.1
08/31/04	00:30:52	27.18	245.482	255.719	233.99	0.88	41.3	61	48.4	19.853	8.12	-95.3	2.4	4.3
08/31/04	01:00:52	27.82	242.652	255.715	230.02	0.92	42.2	60	48.34	19.885	8.11	-95.2	0.3	2.1
08/31/04	01:30:52	27.96	242.025	255.719	229.15	0.97	44.2	61	48.31	19.883	8.11	-95.1	0.6	2.9
08/31/04	02:00:52	27.88	242.37	255.715	229.63	0.9	41.5	61	48.29	19.859	8.1	-94.5	0.1	2
08/31/04	02:30:52	27.74	243.01	255.715	230.52	1	46.1	60	48.29	19.849	8.09	-93.9	0.4	2.3
08/31/04	03:00:52	27.99	241.889	255.719	228.96	0.96	44.1	61	48.26	19.857	8.11	-95.1	-0	50.2
08/31/04	03:30:52	27.79	242.776	255.719	230.2	1.05	48.2	60	48.28	19.847	8.1	-94.4	0.4	1.7
08/31/04	04:00:52	28.03	241.733	255.715	228.74	1	45.6	60	48.26	19.86	8.11	-94.7	0.3	1
08/31/04	04:30:52	27.72	243.071	255.715	230.61	0.98	45.2	60	48.29	19.848	8.1	-94.5	0.3	2
08/31/04	05:00:52	27.72	243.079	255.719	230.62	0.98	45.3	61	48.34	19.876	8.1	-94.5	1	0.6
08/31/04	05:30:52	27.85	242.51	255.719	229.82	1.05	48	60	48.37	19.906	8.1	-94.5	0.4	0.9
08/31/04	06:00:52	27.54	243.874	255.715	231.73	1.06	49.2	60	48.43	19.912	8.1	-94.6	1.4	2
08/31/04	06:30:52	27.81	242.668	255.715	230.04	1.08	49.5	60	48.47	19.964	8.11	-94.7	0.6	1.7
08/31/04	07:00:52	27.9	242.306	255.715	229.54	1.11	50.8	61	48.52	19.999	8.11	-95.2	0.2	3.2
08/31/04	07:30:52	27.47	244.195	255.719	232.18	1.06	49.2	60	48.57	19.989	8.12	-95.7	-0.2	2.5
08/31/04	08:00:52	27.88	242.394	255.715	229.66	1.12	51.3	60	48.62	20.056	8.12	-95.6	0.3	1.4
08/31/04	08:30:52	28.09	241.446	255.715	228.34	1.08	49.3	60	48.64	20.093	8.12	-95.3	0.8	3.2
08/31/04	09:00:52	27.49	244.098	255.715	232.05	1.07	49.5	60	48.69	20.058	8.13	-95.8	0.2	1.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
08/31/04	09:30:52	28.03	241.729	255.715	228.73	1.12	51.1	60	48.7	20.122	8.12	-95.5	0.5	3.9
08/31/04	10:00:52	27.77	242.841	255.711	230.29	1.14	52.2	60	48.75	20.122	8.12	-95.4	0.1	1.4
08/31/04	10:30:52	27.18	245.515	255.719	234.04	1.17	54.6	61	48.75	20.063	8.12	-95.5	0.6	2.7
08/31/04	11:00:52	27.85	242.503	255.715	229.81	1.24	56.7	60	48.75	20.135	8.13	-96.1	0.1	2
08/31/04	11:30:52	27.58	243.715	255.715	231.51	1.14	52.7	61	48.74	20.097	8.12	-95.5	0.3	2.9
08/31/04	12:00:52	27.92	242.197	255.715	229.39	1.12	51.4	61	48.73	20.13	8.13	-96.3	2	7.2
08/31/04	12:30:52	27.99	241.905	255.715	228.98	1.05	47.9	61	48.74	20.143	8.13	-95.9	7	5.9
08/31/04	13:00:52	28.22	240.905	255.715	227.59	1.05	47.8	61	48.72	20.151	8.13	-96.1	10.6	10.1
08/31/04	13:30:52	27.91	242.262	255.715	229.48	1.04	47.8	61	48.73	20.128	8.13	-96.1	9.8	19.7
08/31/04	14:00:52	27.83	242.619	255.715	229.98	0.95	43.4	61	48.72	20.112	8.14	-96.4	27.5	19.1
08/31/04	14:30:52	27.86	242.467	255.715	229.76	0.89	40.6	62	48.73	20.119	8.14	-96.9	38.4	10.3
08/31/04	15:00:52	27.87	242.414	255.715	229.69	0.81	37.1	62	48.72	20.114	8.17	-98.1	67	89.5
08/31/04	15:30:52	27.92	242.201	255.723	229.39	0.69	31.4	64	48.73	20.125	8.2	-99.9	107.8	9.8
08/31/04	16:00:52	27.83	242.631	255.723	229.99	0.61	27.9	64	48.73	20.116	8.2	-100	118.5	4.3
08/31/04	16:30:52	27.88	242.394	255.723	229.66	0.52	23.7	64	48.73	20.125	8.19	-99.4	143.4	3.7
08/31/04	17:00:52	27.92	242.221	255.727	229.42	0.5	22.8	64	48.76	20.146	8.18	-99	154.3	1.5
08/31/04	17:30:52	27.95	242.077	255.723	229.22	0.38	17.4	65	48.78	20.161	8.17	-98.4	161	2.4
08/31/04	18:00:52	27.89	242.346	255.719	229.59	0.64	29.2	62	48.8	20.165	8.15	-97	40.8	7.9
08/31/04	18:30:52	27.94	242.145	255.723	229.31	0.48	22.2	65	48.81	20.175	8.17	-98.2	140.6	147
08/31/04	19:00:52	27.94	242.145	255.723	229.31	0.24	10.9	65	48.82	20.181	8.17	-98.3	170.5	31.1
08/31/04	19:30:52	27.59	243.665	255.727	231.44	0.12	5.5	66	48.83	20.152	8.19	-99.2	166.3	28.6
08/31/04	20:00:52	27.67	243.309	255.727	230.94	0.17	8	66	48.83	20.161	8.18	-98.9	155.7	96.6
08/31/04	20:30:52	27.95	242.065	255.723	229.2	0.33	15.1	64	48.83	20.191	8.17	-98.3	94.8	50.5
08/31/04	21:00:52	27.87	242.437	255.727	229.72	0.11	4.9	65	48.81	20.172	8.17	-98.6	101.5	44.8
08/31/04	21:30:52	27.38	244.624	255.723	232.78	0.45	21	63	48.81	20.117	8.14	-96.6	18.5	43.8
08/31/04	22:00:52	27.87	242.422	255.719	229.7	0.64	29.3	62	48.79	20.158	8.14	-96.5	21.7	24.7
08/31/04	22:30:52	27.84	242.563	255.719	229.9	0.63	28.7	63	48.75	20.131	8.14	-96.7	28.3	13.7
08/31/04	23:00:52	27.61	243.589	255.719	231.33	0.76	35	61	48.71	20.086	8.12	-95.7	15	3.9
08/31/04	23:30:52	27.78	242.833	255.715	230.27	0.84	38.4	62	48.68	20.081	8.12	-95.5	8.5	2.4
09/01/04	00:00:52	27.94	242.137	255.715	229.3	0.93	42.8	61	48.65	20.082	8.12	-95.5	1	10.4
09/01/04	00:30:52	27.89	242.342	255.715	229.59	0.95	43.7	61	48.6	20.047	8.12	-95.3	0.3	2.8
09/01/04	01:00:52	27.92	242.209	255.719	229.4	0.98	45.1	61	48.58	20.035	8.12	-95.7	0.3	-0.5
09/01/04	01:30:52	27.84	242.555	255.715	229.89	0.99	45.5	61	48.54	20.009	8.12	-95.8	0.8	5
09/01/04	02:00:52	27.89	242.318	255.715	229.55	1.06	48.7	61	48.52	19.999	8.13	-96	0.5	-0
09/01/04	02:30:52	27.81	242.672	255.715	230.05	1.12	51.5	61	48.5	19.979	8.13	-96.3	0.7	-0.2
09/01/04	03:00:52	27.84	242.547	255.715	229.87	1.03	47.2	61	48.49	19.975	8.13	-96.2	0.4	0.1
09/01/04	03:30:52	27.75	242.97	255.715	230.47	1.03	47.2	62	48.48	19.961	8.14	-96.4	0.5	-0.6
09/01/04	04:00:52	27.81	242.672	255.715	230.05	1.04	47.8	62	48.47	19.962	8.13	-96.3	0.8	-0.6
09/01/04	04:30:52	27.87	242.446	255.715	229.73	0.99	45.5	62	48.48	19.974	8.13	-96.3	0.4	-0.6
09/01/04	05:00:52	27.08	245.933	255.715	234.62	1.06	49.6	61	48.5	19.903	8.13	-96.2	0.4	-0.5
09/01/04	05:30:52	27.81	242.688	255.711	230.07	1.12	51.6	61	48.5	19.978	8.13	-96.2	-0.2	-0.6
09/01/04	06:00:52	27.19	245.441	255.715	233.93	1.12	52.3	61	48.52	19.93	8.13	-96.2	0.1	-0.6
09/01/04	06:30:52	27.77	242.841	255.711	230.29	1.11	50.9	61	48.55	20.004	8.13	-95.9	-0	-0.6
09/01/04	07:00:52	27.75	242.946	255.715	230.43	1.14	52.5	61	48.56	20.008	8.13	-96.1	0.8	-0.6
09/01/04	07:30:52	27.83	242.591	255.715	229.94	1.17	53.5	61	48.57	20.023	8.13	-95.9	0.8	2.3
09/01/04	08:00:52	28.41	240.066	255.715	226.42	1.16	52.7	61	48.6	20.096	8.13	-96.3	0.7	-0.1
09/01/04	08:30:52	27.8	242.712	255.711	230.11	1.21	55.7	61	48.63	20.057	8.13	-95.9	1	8.8
09/01/04	09:00:52	27.83	242.583	255.715	229.93	1.18	54.3	62	48.66	20.074	8.13	-96.3	0.6	-0.6
09/01/04	09:30:52	27.77	242.849	255.715	230.3	1.25	57.6	61	48.67	20.077	8.12	-95.8	0.5	-0.6
09/01/04	10:00:52	27.76	242.897	255.715	230.36	1.21	55.7	61	48.67	20.077	8.13	-95.9	-0.2	-0.6
09/01/04	10:30:52	27.77	242.857	255.711	230.31	1.24	57	61	48.68	20.081	8.13	-95.9	-0.1	-0.5
09/01/04	11:00:52	27.7	243.176	255.711	230.76	1.29	59.4	60	48.66	20.063	8.12	-95.6	-0.2	-0.4
09/01/04	11:30:52	27.32	244.854	255.711	233.11	1.26	58.8	61	48.65	20.021	8.13	-96.1	0.1	-0.4
09/01/04	12:00:52	27.04	246.128	255.711	234.9	1.28	60.1	61	48.65	19.991	8.13	-95.9	1.7	-0.5
09/01/04	12:30:52	27.88	242.386	255.711	229.65	1.32	60.7	62	48.62	20.059	8.12	-95.3	5.8	-0.6
09/01/04	13:00:52	28.21	240.956	255.715	227.66	1.32	59.9	61	48.63	20.094	8.12	-95.8	9.9	-0.5
09/01/04	13:30:52	27.51	244.025	255.711	231.94	1.32	60.9	62	48.59	20.001	8.14	-96.5	21.2	-0.7
09/01/04	14:00:52	28	241.865	255.711	228.92	1.21	55.5	63	48.58	20.048	8.15	-97.3	37.3	-0.6
09/01/04	14:30:52	28.06	241.57	255.711	228.51	1.11	50.9	62	48.58	20.05	8.18	-99.1	56.6	-0.5
09/01/04	15:00:52	27.93	242.181	255.715	229.36	1.12	51.3	62	48.56	20.025	8.16	-98.1	70.5	-0.7
09/01/04	15:30:52	27.79	242.785	255.715	230.21	0.93	42.5	64	48.56	20.011	8.2	-99.9	121.8	-0.7
09/01/04	16:00:52	28.4	240.105	255.719	226.47	0.94	42.7	64	48.55	20.07	8.19	-99.5	131.8	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/01/04	16:30:52	27.78	242.845	255.719	230.29	0.96	44.2	63	48.55	20.002	8.18	-98.8	114.9	-0.5
09/01/04	17:00:52	27.83	242.599	255.715	229.95	0.91	41.9	64	48.56	20.016	8.18	-98.9	121.5	-0.7
09/01/04	17:30:52	27.84	242.579	255.715	229.92	1.04	47.9	63	48.58	20.029	8.16	-97.7	76.8	-0.6
09/01/04	18:00:52	26.95	246.542	255.715	235.48	0.86	40.6	64	48.59	19.944	8.16	-97.7	130	-0.6
09/01/04	18:30:52	27.53	243.911	255.711	231.78	0.95	43.7	63	48.62	20.024	8.15	-97.4	72.3	-0.6
09/01/04	19:00:52	28.27	240.703	255.715	227.3	0.78	35.2	64	48.65	20.114	8.16	-97.7	134.6	-0.6
09/01/04	19:30:52	27.49	244.098	255.715	232.05	0.61	28.1	65	48.66	20.043	8.16	-97.5	123.4	-0.6
09/01/04	20:00:52	27.71	243.131	255.719	230.69	0.43	19.7	66	48.69	20.082	8.19	-99.2	139.3	-0.6
09/01/04	20:30:52	27.84	242.539	255.711	229.86	0.45	20.5	65	48.7	20.099	8.16	-98.1	84.4	-0.6
09/01/04	21:00:52	27.75	242.946	255.715	230.43	0.69	31.8	63	48.7	20.094	8.15	-97.1	52.4	-0.6
09/01/04	21:30:52	27.68	243.241	255.715	230.85	0.83	38.1	63	48.73	20.101	8.16	-97.5	49.1	-0.6
09/01/04	22:00:52	27.54	243.89	255.715	231.75	0.88	40.5	63	48.74	20.093	8.14	-96.7	41	-0.6
09/01/04	22:30:52	27.91	242.262	255.707	229.48	0.95	43.6	63	48.72	20.121	8.13	-96.3	32.6	-0.5
09/01/04	23:00:52	28.19	241.044	255.711	227.78	1.02	46.3	63	48.73	20.151	8.12	-95.6	24.1	-0.6
09/01/04	23:30:52	27.88	242.378	255.715	229.64	1	45.7	63	48.7	20.107	8.12	-95.6	22.8	-0.4
09/02/04	00:00:52	28.01	241.797	255.715	228.83	1.11	50.9	62	48.68	20.107	8.11	-95.1	15.3	-0.6
09/02/04	00:30:52	27.76	242.898	255.711	230.37	1.2	55.2	61	48.67	20.076	8.11	-94.8	2.2	-0.5
09/02/04	01:00:52	27.44	244.342	255.715	232.39	1.19	55.3	62	48.65	20.029	8.12	-95.2	-0.3	-0.6
09/02/04	01:30:52	27.93	242.153	255.715	229.33	1.27	58.1	62	48.64	20.075	8.11	-95.1	0.2	-0.6
09/02/04	02:00:52	27.96	242.037	255.715	229.16	1.37	62.7	61	48.62	20.067	8.11	-95.1	0.7	-0.6
09/02/04	02:30:52	28.06	241.582	255.711	228.53	1.3	59.4	61	48.61	20.069	8.11	-94.8	1.6	-0.6
09/02/04	03:00:52	27.64	243.423	255.711	231.1	1.24	57.4	62	48.61	20.027	8.11	-95	-0	-0.6
09/02/04	03:30:52	27.96	242.01	255.707	229.12	1.17	53.5	61	48.58	20.041	8.12	-95.3	0.4	-0.6
09/02/04	04:00:52	27.79	242.786	255.703	230.21	1.1	50.5	61	48.58	20.021	8.12	-95.6	0.7	-0.6
09/02/04	04:30:52	27.5	244.029	255.703	231.95	1.07	49.7	61	48.56	19.987	8.11	-95.2	0.9	-0.6
09/02/04	05:00:52	27.99	241.906	255.703	228.98	1.14	52.3	61	48.55	20.025	8.12	-95.8	0.9	-0.6
09/02/04	05:30:52	27.3	244.92	255.703	233.2	1.15	53.6	62	48.56	19.96	8.13	-96	-0.4	-0.6
09/02/04	06:00:52	27.9	242.266	255.707	229.48	1.23	56.3	62	48.57	20.027	8.12	-95.5	0.7	-0.6
09/02/04	06:30:52	28.02	241.774	255.703	228.8	1.15	52.6	61	48.56	20.039	8.12	-95.5	1.2	-0.7
09/02/04	07:00:52	26.82	247.122	255.707	236.3	1.11	52.1	62	48.59	19.932	8.13	-95.8	0	-0.4
09/02/04	07:30:52	27.36	244.658	255.703	232.83	1.09	50.6	62	48.58	19.984	8.13	-95.9	-0.4	-0.6
09/02/04	08:00:52	27.46	244.229	255.703	232.23	1.11	51.6	62	48.62	20.015	8.13	-95.9	1	-0.6
09/02/04	08:30:52	27.68	243.234	255.703	230.84	1.1	50.5	61	48.63	20.043	8.12	-95.7	0.3	-0.6
09/02/04	09:00:52	27.79	242.745	255.703	230.15	1.05	48.1	62	48.63	20.057	8.13	-95.9	1.7	-0.6
09/02/04	09:30:52	28.19	241.005	255.707	227.72	1.2	54.5	62	48.64	20.1	8.13	-96.1	0.7	-0.6
09/02/04	10:00:52	28.03	241.698	255.703	228.69	1.21	55.1	62	48.66	20.095	8.13	-96.2	1.3	-0.6
09/02/04	10:30:52	27.79	242.781	255.703	230.2	1.19	54.7	62	48.64	20.062	8.13	-96.1	2.1	-0.7
09/02/04	11:00:52	26.92	246.684	255.711	235.68	1.12	52.7	62	48.65	19.976	8.14	-96.3	-0.4	-0.6
09/02/04	11:30:52	27.06	246.02	255.707	234.75	1.16	54.1	62	48.64	19.986	8.14	-96.3	-0.1	-0.3
09/02/04	12:00:52	27.57	243.744	255.711	231.55	1.12	52	62	48.61	20.021	8.13	-96.2	2.8	0
09/02/04	12:30:52	27.76	242.906	255.707	230.38	1.14	52.2	62	48.59	20.027	8.13	-96	8.2	-0.6
09/02/04	13:00:52	27.78	242.793	255.707	230.22	1.13	51.8	62	48.56	20.011	8.13	-96	7.1	-0.6
09/02/04	13:30:52	27.54	243.87	255.711	231.73	1.12	51.6	63	48.54	19.977	8.13	-95.9	3.4	-0.6
09/02/04	14:00:52	26.76	247.406	255.707	236.7	1.07	50.6	63	48.52	19.885	8.14	-96.2	7.6	-0.3
09/02/04	14:30:52	27.89	242.343	255.707	229.59	1.14	52.2	62	48.5	19.985	8.13	-95.9	2.7	-0.6
09/02/04	15:00:52	27.57	243.74	255.707	231.54	1.13	52.3	62	48.49	19.948	8.13	-95.8	3.3	-0.5
09/02/04	15:30:52	27.88	242.359	255.707	229.61	1.16	53.3	62	48.47	19.967	8.12	-95.8	6.5	-0.7
09/02/04	16:00:52	26.66	247.855	255.703	237.34	1.13	53.4	63	48.46	19.834	8.14	-96.2	11	-0.6
09/02/04	16:30:52	26.97	246.451	255.707	235.35	1.1	51.8	63	48.48	19.878	8.14	-96.4	17.9	-0.6
09/02/04	17:00:52	26.68	247.775	255.707	237.22	1.13	53.4	62	48.46	19.839	8.14	-96.2	14.3	-0.6
09/02/04	17:30:52	26.89	246.809	255.707	235.86	1.13	53.2	62	48.48	19.874	8.13	-96.1	8.6	-0.6
09/02/04	18:00:52	26.67	247.792	255.707	237.25	1.15	54.3	63	48.49	19.856	8.13	-96.1	10.4	-0.5
09/02/04	18:30:52	28.28	240.64	255.707	227.22	1.18	53.7	63	48.51	20.032	8.13	-95.9	12.1	-0.6
09/02/04	19:00:52	28.14	241.239	255.707	228.05	1.13	51.2	63	48.55	20.042	8.13	-96	21.3	-0.6
09/02/04	19:30:52	27.3	244.936	255.707	233.22	1.03	47.9	63	48.58	19.975	8.13	-96.3	34.3	-0.6
09/02/04	20:00:52	27.04	246.095	255.707	234.85	0.98	46.1	64	48.6	19.961	8.14	-96.6	45.9	-0.6
09/02/04	20:30:52	27.5	244.053	255.715	231.98	0.8	37.2	64	48.64	20.032	8.15	-97	77.4	-0.6
09/02/04	21:00:52	27.87	242.403	255.711	229.67	0.84	38.6	65	48.68	20.09	8.17	-98.1	57.1	-0.6
09/02/04	21:30:52	27.09	245.9	255.711	234.58	0.97	45.2	65	48.68	20.014	8.15	-97.3	51.3	-0.6
09/02/04	22:00:52	27.43	244.355	255.711	232.41	1.01	46.7	64	48.73	20.075	8.13	-96.3	36.2	-0.6
09/02/04	22:30:52	27.82	242.648	255.707	230.02	1.12	51.3	63	48.73	20.119	8.12	-95.6	6.5	-0.6
09/02/04	23:00:52	27.84	242.548	255.707	229.88	1.2	54.9	62	48.75	20.133	8.12	-95.5	4.7	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/02/04	23:30:52	27.06	246.024	255.707	234.75	1.21	56.8	63	48.76	20.057	8.12	-95.5	7.1	-0.6
09/03/04	00:00:52	26.86	246.943	255.703	236.05	1.21	57	63	48.76	20.036	8.12	-95.5	5.2	-0.6
09/03/04	00:30:52	28.19	241.009	255.703	227.73	1.25	57	62	48.77	20.177	8.12	-95.4	2	-0.6
09/03/04	01:00:52	27.36	244.666	255.707	232.84	1.23	57.1	63	48.76	20.087	8.12	-95.6	0.3	-0.6
09/03/04	01:30:52	27.42	244.425	255.707	232.5	1.26	58.5	63	48.77	20.098	8.12	-95.6	-0.2	-0.5
09/03/04	02:00:52	27.98	241.926	255.703	229.01	1.26	57.6	61	48.75	20.146	8.12	-95.5	0.9	-0.6
09/03/04	02:30:52	27.25	245.183	255.707	233.57	1.24	57.8	62	48.75	20.068	8.13	-95.9	0.6	13.4
09/03/04	03:00:52	26.97	246.414	255.703	235.3	1.27	59.6	62	48.74	20.035	8.13	-95.7	0	-0.7
09/03/04	03:30:52	27.5	244.058	255.707	231.99	1.24	57.3	63	48.73	20.085	8.12	-95.7	0	-0.7
09/03/04	04:00:52	26.64	247.918	255.707	237.43	1.19	56.4	63	48.73	19.994	8.13	-96	0.3	-0.6
09/03/04	04:30:52	27.43	244.376	255.703	232.44	1.25	58.1	62	48.7	20.062	8.13	-95.8	0.7	-0.7
09/03/04	05:00:52	27.99	241.89	255.703	228.96	1.24	56.6	62	48.71	20.12	8.12	-95.6	0.1	-0.6
09/03/04	05:30:52	26.65	247.885	255.703	237.38	1.26	59.7	63	48.7	19.979	8.13	-95.8	0.3	0.1
09/03/04	06:00:52	28.03	241.73	255.699	228.74	1.26	57.7	62	48.69	20.114	8.12	-95.8	0.6	-0.7
09/03/04	06:30:52	26.43	248.902	255.699	238.82	1.19	56.5	63	48.68	19.942	8.13	-95.8	-0.3	-0.6
09/03/04	07:00:52	26.26	249.664	255.691	239.9	1.22	58.3	62	48.67	19.919	8.13	-95.6	0.2	-0.6
09/03/04	07:30:52	26.65	247.86	255.695	237.34	1.28	60.7	62	48.67	19.963	8.13	-95.9	0.4	1.7
09/03/04	08:00:52	27.51	243.994	255.691	231.9	1.27	58.9	62	48.68	20.056	8.12	-95.6	0.6	-0.6
09/03/04	08:30:52	27.17	245.497	255.695	234.01	1.29	60.1	62	48.69	20.025	8.13	-95.8	0.3	-0.6
09/03/04	09:00:52	26.88	246.847	255.699	235.91	1.32	62.1	62	48.68	19.989	8.14	-96.2	-0.4	-0.6
09/03/04	09:30:52	28.03	241.719	255.695	228.72	1.4	63.7	62	48.68	20.109	8.13	-96.1	0.3	-0.6
09/03/04	10:00:52	27.16	245.583	255.699	234.13	1.42	66.2	63	48.68	20.022	8.13	-96.1	-0.5	-0.7
09/03/04	10:30:52	27.34	244.745	255.699	232.95	1.39	64.8	63	48.68	20.037	8.13	-96	0.4	-0.6
09/03/04	11:00:52	27.32	244.872	255.699	233.13	1.33	61.7	63	48.67	20.03	8.14	-96.3	0.2	-0.6
09/03/04	11:30:52	28.15	241.176	255.703	227.96	1.39	63.4	62	48.64	20.098	8.13	-96.1	0.4	-0.7
09/03/04	12:00:52	27.07	245.979	255.707	234.69	1.42	66.5	62	48.63	19.981	8.13	-96.1	1.9	-0.7
09/03/04	12:30:52	27.52	243.981	255.703	231.88	1.4	65	62	48.59	20.005	8.14	-96.4	12.9	-0.6
09/03/04	13:00:52	27.52	243.964	255.707	231.86	1.45	66.9	63	48.58	19.998	8.14	-96.4	21.7	-0.6
09/03/04	13:30:52	27.65	243.379	255.707	231.04	1.41	64.8	64	48.55	19.991	8.15	-97	37.1	-0.6
09/03/04	14:00:52	27.81	242.681	255.703	230.06	1.4	64.1	64	48.51	19.987	8.14	-96.9	61.6	-0.6
09/03/04	14:30:52	26.62	248.056	255.711	237.62	1.34	63.4	64	48.48	19.845	8.16	-97.5	74.1	-0.6
09/03/04	15:00:52	27.36	244.662	255.711	232.84	1.43	66.4	64	48.46	19.907	8.16	-97.8	94.1	-0.6
09/03/04	15:30:52	28.11	241.39	255.707	228.26	1.4	63.8	65	48.43	19.964	8.15	-97.5	113.7	-0.7
09/03/04	16:00:52	27.52	243.944	255.707	231.83	1.36	63.1	64	48.41	19.894	8.17	-98.1	85.6	-0.7
09/03/04	16:30:52	27.43	244.375	255.711	232.43	1.27	58.7	65	48.41	19.885	8.15	-96.9	131.7	-0.6
09/03/04	17:00:52	27.57	243.748	255.707	231.56	1.31	60.7	65	48.38	19.881	8.15	-97.2	87.7	-0.6
09/03/04	17:30:52	26.91	246.726	255.707	235.74	1.29	60.4	65	48.38	19.813	8.16	-97.4	104.6	-0.6
09/03/04	18:00:52	26.81	247.164	255.707	236.36	1.23	57.8	66	48.39	19.81	8.16	-97.7	90.3	-0.7
09/03/04	18:30:52	27.71	243.128	255.707	230.69	1.42	65.4	65	48.39	19.902	8.13	-96.3	58.3	-0.6
09/03/04	19:00:52	27.5	244.038	255.703	231.96	1.57	72.7	63	48.41	19.893	8.12	-95.5	6	-0.6
09/03/04	19:30:52	26.74	247.494	255.711	236.83	1.55	73.2	63	48.44	19.831	8.12	-95.5	10.2	-0.6
09/03/04	20:00:52	26.68	247.758	255.711	237.2	1.51	71.4	63	48.46	19.839	8.12	-95.5	11.2	-0.7
09/03/04	20:30:52	28.15	241.204	255.703	228	1.63	74.2	64	48.5	20.012	8.12	-95.8	6.1	-0.7
09/03/04	21:00:52	27.76	242.906	255.707	230.38	1.67	76.8	63	48.54	19.999	8.12	-95.6	2.8	-0.7
09/03/04	21:30:52	28.24	240.811	255.699	227.45	1.62	73.7	64	48.57	20.065	8.13	-95.9	9.6	-0.6
09/03/04	22:00:52	28.32	240.45	255.703	226.95	1.59	72.3	63	48.62	20.102	8.11	-95.3	13.2	-0.6
09/03/04	22:30:52	26.66	247.859	255.707	237.34	1.5	70.9	63	48.65	19.95	8.12	-95.2	13.6	-0.6
09/03/04	23:00:52	26.59	248.149	255.707	237.75	1.42	67.3	63	48.69	19.965	8.12	-95.4	13.8	-0.6
09/03/04	23:30:52	26.7	247.662	255.707	237.06	1.37	64.7	63	48.71	19.988	8.12	-95.5	11.4	-0.6
09/04/04	00:00:52	27.71	243.113	255.699	230.67	1.36	62.5	63	48.76	20.122	8.12	-95.7	5.1	-0.6
09/04/04	00:30:52	27.83	242.58	255.703	229.92	1.4	64.4	63	48.79	20.157	8.12	-95.6	0.5	-0.6
09/04/04	01:00:52	27.82	242.624	255.703	229.98	1.4	64.2	63	48.82	20.169	8.12	-95.4	0.3	-0.6
09/04/04	01:30:52	27.72	243.08	255.707	230.62	1.35	62	63	48.83	20.165	8.12	-95.7	0.6	-0.6
09/04/04	02:00:52	26.86	246.947	255.703	236.05	1.34	63	64	48.85	20.089	8.13	-95.7	0.1	-0.6
09/04/04	02:30:52	27.38	244.572	255.707	232.71	1.35	62.6	64	48.86	20.149	8.12	-95.6	-0.1	-0.7
09/04/04	03:00:52	26.94	246.555	255.707	235.5	1.32	62.2	64	48.85	20.097	8.13	-95.8	0.6	-0.7
09/04/04	03:30:52	27.66	243.359	255.703	231.01	1.34	61.9	63	48.87	20.185	8.13	-96	0.2	-0.6
09/04/04	04:00:52	26.93	246.614	255.707	235.58	1.32	61.9	64	48.85	20.094	8.13	-95.9	-0.1	-0.6
09/04/04	04:30:52	28.17	241.124	255.703	227.89	1.33	60.7	63	48.86	20.23	8.13	-95.9	1.3	-0.6
09/04/04	05:00:52	26.99	246.339	255.707	235.2	1.31	61.5	63	48.84	20.1	8.13	-95.9	0.4	-0.7
09/04/04	05:30:52	27.02	246.223	255.707	235.03	1.34	63	64	48.84	20.099	8.13	-95.8	0	5.1
09/04/04	06:00:52	27.81	242.685	255.703	230.07	1.32	60.7	64	48.82	20.171	8.13	-95.9	0.9	-0.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/sec*m2	Turbidity NTU
09/04/04	06:30:52	27.02	246.186	255.703	234.98	1.32	61.7	64	48.82	20.087	8.13	-95.9	0.4	-0.6
09/04/04	07:00:52	28.05	241.646	255.707	228.62	1.36	62	63	48.8	20.185	8.13	-96.1	1	-0.6
09/04/04	07:30:52	28.01	241.818	255.703	228.86	1.45	66.1	64	48.79	20.171	8.13	-96.1	0.5	-0.6
09/04/04	08:00:52	27.77	242.866	255.703	230.32	1.42	65.4	64	48.76	20.13	8.13	-96.1	1.3	-0.7
09/04/04	08:30:52	27.13	245.727	255.707	234.33	1.35	63.1	64	48.76	20.061	8.13	-95.7	2.3	-0.7
09/04/04	09:00:52	27.22	245.282	255.703	233.71	1.33	62	64	48.77	20.077	8.13	-96.1	1	-0.7
09/04/04	09:30:52	28.14	241.216	255.695	228.02	1.37	62.3	64	48.75	20.159	8.13	-96.4	-0.4	-0.7
09/04/04	10:00:52	26.51	248.521	255.703	238.28	1.37	65.1	64	48.74	19.986	8.14	-96.1	-0.8	-0.6
09/04/04	10:30:52	26.55	248.373	255.703	238.07	1.32	62.8	64	48.72	19.981	8.14	-96.3	-0.4	-0.7
09/04/04	11:00:52	26.83	247.072	255.703	236.23	1.31	61.8	64	48.7	19.996	8.14	-96.3	-0.9	-0.7
09/04/04	11:30:52	27.98	241.954	255.703	229.05	1.36	62.2	64	48.67	20.096	8.13	-96.1	1.2	-0.6
09/04/04	12:00:52	28.02	241.746	255.699	228.76	1.41	64.2	64	48.65	20.092	8.13	-96.1	2.8	-0.6
09/04/04	12:30:52	27.02	246.207	255.699	235.01	1.37	64.2	64	48.6	19.958	8.14	-96.3	11.8	-0.6
09/04/04	13:00:52	28.28	240.62	255.703	227.19	1.42	64.3	64	48.58	20.075	8.13	-96.4	26.4	-0.7
09/04/04	13:30:52	27.28	245.039	255.703	233.37	1.34	62.5	64	48.53	19.94	8.15	-97.1	43.9	-0.7
09/04/04	14:00:52	27.34	244.769	255.703	232.99	1.41	65.7	64	48.49	19.926	8.17	-98.4	63.2	-0.6
09/04/04	14:30:52	28.32	240.458	255.703	226.96	1.52	68.8	65	48.45	19.998	8.15	-97.1	65.8	-0.7
09/04/04	15:00:52	26.77	247.352	255.707	236.63	1.37	64.5	65	48.41	19.817	8.18	-98.9	115.3	-0.6
09/04/04	15:30:52	26.57	248.255	255.707	237.9	1.55	73.4	65	48.38	19.779	8.17	-97.9	135.6	-0.7
09/04/04	16:00:52	26.78	247.306	255.707	236.56	1.64	77.3	64	48.34	19.778	8.13	-96.1	31.3	-0.7
09/04/04	16:30:52	27.23	245.249	255.707	233.66	1.64	76.6	64	48.3	19.801	8.13	-95.9	27.7	-0.6
09/04/04	17:00:52	27.27	245.088	255.707	233.44	1.6	74.4	65	48.3	19.804	8.14	-96.5	192.6	-0.5
09/04/04	17:30:52	26.51	248.554	255.707	238.33	1.49	70.9	66	48.27	19.71	8.15	-97.2	186.8	-0.6
09/04/04	18:00:52	27.27	245.092	255.707	233.44	1.49	69.4	66	48.26	19.78	8.15	-97.2	207.5	-0.6
09/04/04	18:30:52	27.88	242.395	255.707	229.66	1.62	74.2	66	48.27	19.85	8.14	-96.6	184.7	-0.6
09/04/04	19:00:52	28.12	241.311	255.703	228.15	1.5	68.5	67	48.28	19.877	8.15	-97.4	210.4	-0.6
09/04/04	19:30:52	28.25	240.775	255.703	227.4	1.46	66.3	67	48.29	19.899	8.15	-97.3	194.4	-0.7
09/04/04	20:00:52	26.34	249.322	255.703	239.42	1.47	70.4	66	48.32	19.721	8.15	-97.1	187.9	-0.7
09/04/04	20:30:52	26.42	248.965	255.703	238.91	1.41	67.4	66	48.35	19.744	8.16	-97.4	165	-0.6
09/04/04	21:00:52	26.46	248.779	255.699	238.65	1.44	68.8	66	48.4	19.779	8.16	-97.3	151.4	-0.6
09/04/04	21:30:52	27.21	245.365	255.699	233.82	1.3	60.4	66	48.44	19.879	8.15	-97.1	125.6	-0.6
09/04/04	22:00:52	27.75	242.935	255.699	230.42	1.26	58.1	67	48.48	19.964	8.15	-97.5	101.8	-0.7
09/04/04	22:30:52	26.57	248.251	255.703	237.9	1.19	56.3	67	48.52	19.865	8.15	-97	84	-0.6
09/04/04	23:00:52	26.46	248.767	255.699	238.63	1.38	65.5	66	48.57	19.88	8.15	-96.7	50.1	-0.6
09/04/04	23:30:52	27.31	244.892	255.699	233.16	1.33	62	65	48.62	19.999	8.13	-95.9	30.6	-0.6
09/05/04	00:00:52	26.28	249.607	255.699	239.82	1.37	65.3	64	48.64	19.903	8.13	-95.5	10.7	-0.6
09/05/04	00:30:52	26.44	248.855	255.703	238.75	1.39	66.2	64	48.7	19.953	8.12	-95.2	1.6	-0.6
09/05/04	01:00:52	26.7	247.68	255.699	237.09	1.57	74.3	64	48.73	19.999	8.13	-95.7	0.3	-0.6
09/05/04	01:30:52	26.62	248.007	255.699	237.55	1.44	68.4	64	48.78	20.023	8.13	-95.7	0.3	-0.6
09/05/04	02:00:52	26.6	248.12	255.703	237.71	1.46	69.4	64	48.8	20.034	8.13	-96	-0.1	-0.6
09/05/04	02:30:52	28.23	240.85	255.699	227.51	1.46	66.3	64	48.82	20.213	8.13	-96.1	0.5	-0.6
09/05/04	03:00:52	26.66	247.864	255.703	237.35	1.45	68.4	64	48.85	20.066	8.13	-96	0.3	-0.7
09/05/04	03:30:52	28.17	241.088	255.703	227.84	1.47	66.8	64	48.88	20.241	8.13	-96.2	0.2	-0.6
09/05/04	04:00:52	27.5	244.062	255.703	232	1.46	67.5	64	48.88	20.174	8.13	-96.1	0.1	-0.6
09/05/04	04:30:52	28.03	241.718	255.703	228.72	1.44	65.7	64	48.89	20.231	8.13	-96.3	1.4	-0.5
09/05/04	05:00:52	26.88	246.822	255.703	235.88	1.44	67.5	65	48.88	20.11	8.13	-96	-0.5	-0.5
09/05/04	05:30:52	26.47	248.745	255.707	238.6	1.45	69	64	48.88	20.064	8.13	-96	-0.6	-0.6
09/05/04	06:00:52	27.59	243.672	255.703	231.45	1.44	66.4	64	48.86	20.172	8.13	-96.1	0.4	-0.6
09/05/04	06:30:52	28.2	240.973	255.699	227.68	1.51	68.8	65	48.86	20.23	8.12	-95.8	0.9	0.4
09/05/04	07:00:52	27.16	245.554	255.703	234.09	1.5	70.1	64	48.85	20.121	8.13	-96.2	-0.6	-0.6
09/05/04	07:30:52	26.64	247.944	255.703	237.46	1.57	74.3	65	48.83	20.055	8.13	-96.1	0.3	-0.6
09/05/04	08:00:52	26.56	248.314	255.703	237.99	1.54	72.9	64	48.82	20.041	8.13	-96.1	0.2	-0.6
09/05/04	08:30:52	26.99	246.352	255.703	235.21	1.45	67.9	64	48.79	20.069	8.13	-96.1	-0.9	-0.6
09/05/04	09:00:52	27.12	245.732	255.699	234.34	1.45	67.7	64	48.79	20.083	8.13	-96.1	0.1	-0.6
09/05/04	09:30:52	27.67	243.291	255.699	230.92	1.43	65.8	64	48.79	20.14	8.13	-96.1	1.3	-0.6
09/05/04	10:00:52	27.07	245.971	255.699	234.68	1.4	65.7	65	48.76	20.057	8.14	-96.3	-0.8	-0.6
09/05/04	10:30:52	27.35	244.716	255.699	232.91	1.44	66.7	65	48.75	20.078	8.14	-96.3	1.7	-0.6
09/05/04	11:00:52	26.66	247.826	255.703	237.3	1.38	65.5	65	48.72	19.993	8.13	-96.1	0.4	-0.6
09/05/04	11:30:52	27.35	244.736	255.699	232.94	1.41	65.6	64	48.7	20.053	8.13	-96.3	0.6	361
09/05/04	12:00:52	27.83	242.576	255.699	229.92	1.48	68	64	48.68	20.088	8.13	-96.4	1.9	-0.6
09/05/04	12:30:52	27.72	243.076	255.703	230.61	1.38	63.7	65	48.65	20.061	8.13	-96.3	13.1	-0.6
09/05/04	13:00:52	28.28	240.608	255.703	227.17	1.47	66.6	65	48.61	20.09	8.14	-96.6	28.3	-0.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/05/04	13:30:52	28.35	240.347	255.703	226.81	1.41	64	65	48.56	20.065	8.14	-97	48.4	-0.7
09/05/04	14:00:52	28.28	240.608	255.703	227.17	1.45	65.8	65	48.52	20.039	8.14	-97	71.5	-0.6
09/05/04	14:30:52	26.53	248.44	255.707	238.17	1.45	68.8	65	48.48	19.834	8.15	-97.1	88.3	-0.6
09/05/04	15:00:52	26.54	248.411	255.707	238.12	1.5	71	65	48.43	19.808	8.15	-96.7	114.6	-0.6
09/05/04	15:30:52	26.8	247.227	255.703	236.45	1.57	74.1	66	48.4	19.816	8.16	-97.5	146.7	-0.6
09/05/04	16:00:52	27.74	242.995	255.707	230.5	1.63	74.9	66	48.35	19.881	8.15	-97.1	172.1	-0.4
09/05/04	16:30:52	27.39	244.56	255.707	232.69	1.74	80.8	66	48.33	19.832	8.14	-96.4	188.4	-0.7
09/05/04	17:00:52	26.63	247.99	255.707	237.53	1.73	81.9	66	48.27	19.723	8.14	-96.5	208.3	-0.6
09/05/04	17:30:52	27.4	244.506	255.707	232.62	1.74	80.6	67	48.27	19.801	8.14	-96.7	207.3	-0.7
09/05/04	18:00:52	28.22	240.89	255.703	227.56	1.82	82.7	67	48.24	19.862	8.14	-96.7	244	-0.7
09/05/04	18:30:52	26.83	247.076	255.703	236.24	1.95	91.9	69	48.2	19.703	8.15	-96.9	221.8	-0.6
09/05/04	19:00:52	27.27	245.068	255.703	233.41	1.72	79.9	69	48.22	19.755	8.15	-97	215.6	-0.6
09/05/04	19:30:52	27.39	244.544	255.703	232.67	1.74	80.7	69	48.2	19.756	8.15	-97.1	211.5	-0.6
09/05/04	20:00:52	28.26	240.699	255.703	227.3	1.72	77.9	69	48.2	19.845	8.15	-97.4	194.5	-0.7
09/05/04	20:30:52	27.06	246.004	255.703	234.72	1.68	78.8	69	48.21	19.732	8.14	-96.4	176.4	-0.7
09/05/04	21:00:52	26.46	248.783	255.707	238.65	1.62	77	69	48.24	19.687	8.15	-97	156.3	-0.6
09/05/04	21:30:52	28.42	240.008	255.707	226.34	1.72	77.7	67	48.26	19.898	8.14	-96.6	128.1	-0.6
09/05/04	22:00:52	26.67	247.8	255.707	237.26	1.7	80.6	67	48.31	19.75	8.15	-96.9	104.7	-0.7
09/05/04	22:30:52	27.95	242.078	255.707	229.22	1.78	81.3	66	48.35	19.904	8.13	-96.3	77.3	-0.7
09/05/04	23:00:52	28.35	240.347	255.703	226.81	1.87	84.7	66	48.39	19.969	8.12	-95.9	34.4	-0.6
09/05/04	23:30:52	26.55	248.365	255.703	238.06	1.84	87.4	65	48.44	19.812	8.13	-95.8	29.3	-0.7
09/06/04	00:00:52	26.56	248.318	255.703	237.99	1.9	90.3	65	48.49	19.842	8.12	-95.5	11.6	-0.7
09/06/04	00:30:52	28.2	240.957	255.703	227.66	1.97	89.5	65	48.54	20.039	8.12	-95.6	1.8	-0.5
09/06/04	01:00:52	27.9	242.271	255.703	229.49	1.96	89.6	64	48.58	20.035	8.12	-95.5	0.7	-0.7
09/06/04	01:30:52	28.16	241.144	255.703	227.92	1.96	89.3	65	48.62	20.085	8.12	-95.6	0.3	-0.6
09/06/04	02:00:52	26.96	246.477	255.703	235.39	1.89	88.6	64	48.64	19.972	8.12	-95.5	0.3	-0.6
09/06/04	02:30:52	27.69	243.197	255.703	230.78	1.96	90.1	65	48.69	20.078	8.12	-95.6	0.3	-0.6
09/06/04	03:00:52	27.3	244.925	255.703	233.21	1.89	87.9	65	48.7	20.044	8.13	-95.9	0.1	-0.7
09/06/04	03:30:52	27.36	244.654	255.703	232.83	1.85	85.9	65	48.75	20.08	8.13	-95.9	0.7	-0.6
09/06/04	04:00:52	27.54	243.883	255.703	231.74	1.83	84.4	65	48.74	20.096	8.13	-95.9	0.9	-0.6
09/06/04	04:30:52	28.08	241.475	255.699	228.38	1.89	86	65	48.8	20.186	8.13	-96.2	0.9	-0.7
09/06/04	05:00:52	27.29	244.978	255.699	233.28	1.86	86.6	65	48.8	20.105	8.13	-96.2	-1.4	-0.6
09/06/04	05:30:52	27.71	243.101	255.699	230.65	1.86	85.7	65	48.83	20.169	8.13	-96.1	-0.4	-0.6
09/06/04	06:00:52	28.13	241.295	255.699	228.13	1.89	85.9	65	48.8	20.192	8.12	-95.8	0.3	-0.6
09/06/04	06:30:52	28.22	240.902	255.699	227.58	1.91	86.7	64	48.8	20.201	8.12	-95.9	-0.4	-0.5
09/06/04	07:00:52	27.24	245.192	255.699	233.58	1.86	86.5	65	48.81	20.105	8.13	-95.8	-0	-0.6
09/06/04	07:30:52	27.41	244.442	255.699	232.53	1.87	86.7	65	48.81	20.124	8.13	-95.9	0.3	3.2
09/06/04	08:00:52	26.38	249.144	255.699	239.16	1.77	84.6	65	48.79	20.003	8.13	-95.7	-0.6	-0.3
09/06/04	08:30:52	27.28	245.007	255.695	233.32	1.8	83.6	65	48.78	20.091	8.13	-95.7	0.3	-0.6
09/06/04	09:00:52	27.16	245.567	255.699	234.11	1.74	81.2	65	48.76	20.068	8.13	-95.8	0.3	-0.3
09/06/04	09:30:52	27.14	245.641	255.699	234.21	1.72	80.4	65	48.75	20.061	8.12	-95.6	0.3	-0.6
09/06/04	10:00:52	26.72	247.583	255.699	236.95	1.67	79.1	65	48.74	20.01	8.12	-95.4	1.5	-0.6
09/06/04	10:30:52	27.95	242.047	255.695	229.18	1.72	78.5	65	48.74	20.136	8.12	-95.8	-0.1	-0.7
09/06/04	11:00:52	26.98	246.394	255.699	235.27	1.55	72.7	64	48.72	20.022	8.13	-95.6	-0.2	-0.6
09/06/04	11:30:52	27.25	245.143	255.695	233.51	1.47	68.7	65	48.68	20.031	8.13	-95.8	0.3	-0.7
09/06/04	12:00:52	28.05	241.61	255.699	228.57	1.4	64.1	64	48.67	20.107	8.12	-95.8	2.3	-0.7
09/06/04	12:30:52	26.76	247.403	255.699	236.7	1.31	61.9	65	48.64	19.956	8.13	-95.7	10.7	-0.6
09/06/04	13:00:52	27.16	245.554	255.699	234.09	1.38	64.4	65	48.6	19.973	8.13	-95.8	22	-0.6
09/06/04	13:30:52	26.42	248.928	255.699	238.86	1.41	67.2	66	48.6	19.892	8.13	-95.8	28.1	-0.6
09/06/04	14:00:52	27.03	246.166	255.703	234.95	1.37	64.1	66	48.57	19.943	8.15	-96.8	66.4	-0.7
09/06/04	14:30:52	26.45	248.813	255.703	238.69	1.39	66.3	66	48.53	19.855	8.14	-96.2	55.9	-0.7
09/06/04	15:00:52	26.43	248.893	255.707	238.81	1.38	65.5	66	48.5	19.837	8.16	-97.4	112	-0.7
09/06/04	15:30:52	26.48	248.668	255.707	238.49	1.42	67.8	67	48.45	19.81	8.15	-96.9	133.8	-0.6
09/06/04	16:00:52	27.68	243.27	255.707	230.89	1.48	68.3	67	48.43	19.921	8.13	-96.3	75.9	-0.6
09/06/04	16:30:52	28.17	241.088	255.707	227.84	1.42	64.8	67	48.37	19.937	8.14	-96.7	184.7	-0.6
09/06/04	17:00:52	28.34	240.383	255.707	226.86	1.43	64.9	67	48.33	19.931	8.14	-96.9	189.9	-0.7
09/06/04	17:30:52	26.95	246.514	255.707	235.44	1.39	65.5	67	48.3	19.775	8.13	-96.1	198.6	-0.6
09/06/04	18:00:52	28.22	240.913	255.707	227.6	1.33	60.6	69	48.3	19.902	8.14	-96.7	230.3	-0.7
09/06/04	18:30:52	27.39	244.56	255.703	232.69	1.53	70.9	67	48.28	19.804	8.13	-96.1	60.9	-0.7
09/06/04	19:00:52	26.59	248.192	255.707	237.81	1.35	64.2	69	48.24	19.697	8.14	-96.6	207.4	-0.7
09/06/04	19:30:52	28.06	241.602	255.707	228.56	1.36	62.3	69	48.23	19.843	8.14	-96.6	198	-0.7
09/06/04	20:00:52	27.81	242.684	255.711	230.07	1.31	60.2	69	48.22	19.81	8.14	-96.5	187.1	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/06/04	20:30:52	27.38	244.588	255.711	232.73	1.37	63.6	69	48.2	19.757	8.14	-96.7	166	-0.6
09/06/04	21:00:52	27.55	243.85	255.707	231.7	1.51	69.7	67	48.19	19.77	8.14	-96.4	144.1	-0.6
09/06/04	21:30:52	26.78	247.297	255.711	236.55	1.47	69.2	67	48.14	19.661	8.13	-96.1	123.3	-0.6
09/06/04	22:00:52	28.06	241.582	255.711	228.53	1.52	69.1	67	48.23	19.842	8.13	-96	98.3	-0.6
09/06/04	22:30:52	28.4	240.126	255.711	226.5	1.57	71	67	48.32	19.928	8.12	-95.6	74.2	-0.6
09/06/04	23:00:52	27.33	244.809	255.707	233.04	1.58	73.4	67	48.34	19.836	8.12	-95.6	49.2	-0.6
09/06/04	23:30:52	28.28	240.636	255.707	227.21	1.77	80.1	66	48.41	19.972	8.12	-95.5	27.5	-0.4
09/07/04	00:00:52	28.16	241.175	255.711	227.96	1.68	76.5	66	48.43	19.972	8.11	-95.2	11	-0.7
09/07/04	00:30:52	26.75	247.436	255.707	236.74	1.7	80.1	66	48.49	19.861	8.12	-95.2	1.3	-0.6
09/07/04	01:00:52	27.19	245.454	255.707	233.95	1.75	81.7	66	48.53	19.936	8.12	-95.2	-0.7	-0.6
09/07/04	01:30:52	27.41	244.441	255.707	232.53	1.76	81.7	66	48.59	19.993	8.12	-95.2	0.6	-0.6
09/07/04	02:00:52	26.73	247.524	255.703	236.87	1.79	84.7	65	48.7	19.985	8.12	-95.2	0.4	-0.6
09/07/04	02:30:52	27.42	244.425	255.703	232.5	1.81	84	66	48.75	20.088	8.12	-95.3	1.1	-0.6
09/07/04	03:00:52	26.89	246.776	255.703	235.81	1.79	84.4	66	48.72	20.017	8.12	-95	0.1	-0.6
09/07/04	03:30:52	27.63	243.464	255.707	231.16	1.82	83.9	66	48.75	20.107	8.11	-95.2	0.2	-0.6
09/07/04	04:00:52	27.65	243.384	255.703	231.05	1.82	84.1	65	48.82	20.154	8.12	-95.2	1	-0.6
09/07/04	04:30:52	28.34	240.379	255.707	226.85	1.82	82.6	66	48.88	20.257	8.11	-95.2	0	-0.4
09/07/04	05:00:52	27.82	242.648	255.707	230.02	1.8	82.7	66	48.9	20.218	8.12	-95.3	0.8	-0.6
09/07/04	05:30:52	27.31	244.887	255.707	233.15	1.74	80.7	66	48.89	20.159	8.12	-95.5	-0.1	-0.6
09/07/04	06:00:52	27.49	244.082	255.707	232.02	1.78	82.3	66	48.93	20.201	8.12	-95.4	0.3	-0.7
09/07/04	06:30:52	27.84	242.556	255.707	229.89	1.75	80.2	65	48.91	20.224	8.12	-95.5	-0.1	-0.7
09/07/04	07:00:52	27.5	244.045	255.711	231.97	1.71	79.2	66	48.91	20.194	8.12	-95.4	0.7	-0.7
09/07/04	07:30:52	27.28	245.043	255.707	233.37	1.77	82.2	66	48.86	20.136	8.12	-95.6	0.3	-0.7
09/07/04	08:00:52	27.57	243.728	255.711	231.53	1.73	80.1	66	48.88	20.18	8.12	-95.7	0.1	3.2
09/07/04	08:30:52	27.6	243.602	255.707	231.35	1.74	80.3	66	48.71	20.081	8.12	-95.5	0.5	5.4
09/07/04	09:00:52	26.57	248.284	255.707	237.94	1.69	80.1	66	48.8	20.029	8.13	-95.6	0.2	-0.6
09/07/04	09:30:52	28.05	241.65	255.707	228.62	1.7	77.4	65	48.84	20.207	8.12	-95.5	-0.2	-0.7
09/07/04	10:00:52	27.05	246.05	255.699	234.79	1.72	80.8	65	48.84	20.105	8.12	-95.5	0.4	-0.6
09/07/04	10:30:52	27.25	245.167	255.699	233.55	1.68	78	66	48.78	20.09	8.13	-95.8	0.2	-0.6
09/07/04	11:00:52	27.97	241.978	255.703	229.08	1.68	76.7	66	48.78	20.16	8.12	-95.7	0.2	-0.6
09/07/04	11:30:52	27.32	244.835	255.699	233.08	1.7	78.8	66	48.7	20.049	8.12	-95.6	0.2	-0.6
09/07/04	12:00:52	27.92	242.191	255.699	229.38	1.75	80.2	66	48.76	20.148	8.12	-95.8	2.6	-0.3
09/07/04	12:30:52	26.5	248.597	255.699	238.39	1.7	81	66	48.67	19.942	8.13	-95.6	8.8	-0.7
09/07/04	13:00:52	28.18	241.049	255.699	227.79	1.74	79.3	66	48.64	20.103	8.12	-95.8	14.3	-0.6
09/07/04	13:30:52	28.15	241.208	255.703	228.01	1.79	81.3	66	48.58	20.058	8.12	-95.8	29.6	-0.7
09/07/04	14:00:52	27.35	244.72	255.703	232.92	1.7	79.1	67	48.6	19.99	8.13	-96	60.2	-0.5
09/07/04	14:30:52	26.73	247.508	255.699	236.85	1.71	80.8	66	48.48	19.859	8.13	-95.7	33.2	-0.7
09/07/04	15:00:52	26.89	246.776	255.703	235.81	1.78	83.5	67	48.52	19.899	8.13	-95.8	58.8	-0.7
09/07/04	15:30:52	28.27	240.676	255.703	227.27	1.73	78.6	67	48.42	19.979	8.14	-96.7	125.6	-0.7
09/07/04	16:00:52	28.15	241.176	255.699	227.96	1.8	81.8	69	48.4	19.955	8.13	-95.9	75	-0.7
09/07/04	16:30:52	28.04	241.65	255.703	228.62	1.74	79.6	69	48.3	19.881	8.13	-95.9	155.6	-0.7
09/07/04	17:00:52	27.43	244.352	255.703	232.4	1.71	79.1	69	48.33	19.842	8.15	-97	168.2	-0.5
09/07/04	17:30:52	27.46	244.245	255.703	232.25	1.77	82.2	69	48.17	19.749	8.13	-96.3	178.9	0.4
09/07/04	18:00:52	26.73	247.528	255.703	236.87	1.59	75.3	69	48.19	19.687	8.15	-96.7	189.6	-0.6
09/07/04	18:30:52	26.41	249.012	255.703	238.98	1.7	81.3	69	48.17	19.636	8.15	-96.9	111.4	0.4
09/07/04	19:00:52	27.91	242.222	255.703	229.42	1.78	81.6	69	48.13	19.768	8.13	-96.3	77	-0.7
09/07/04	19:30:52	26.44	248.847	255.703	238.74	1.89	90.2	69	48.03	19.562	8.13	-95.7	34.9	-0.6
09/07/04	20:00:52	26.78	247.306	255.703	236.56	2.03	95.8	67	48.05	19.607	8.12	-95.5	12.3	-0.7
09/07/04	20:30:52	26.8	247.21	255.703	236.43	1.91	90.2	69	48.08	19.627	8.13	-95.9	44.5	-0.6
09/07/04	21:00:52	26.56	248.318	255.703	237.99	1.76	83.6	69	48.07	19.596	8.14	-96.4	125.8	-0.6
09/07/04	21:30:52	26.45	248.817	255.703	238.7	1.71	81.4	70	48.05	19.573	8.14	-96.3	109.9	-0.7
09/07/04	22:00:52	27.32	244.846	255.707	233.1	1.64	76.3	69	48.08	19.677	8.14	-96.3	87	-0.7
09/07/04	22:30:52	27.52	243.948	255.707	231.84	1.69	78.2	69	48.11	19.718	8.13	-96.3	54.4	-0.7
09/07/04	23:00:52	27.64	243.448	255.707	231.14	1.76	81	69	48.16	19.757	8.12	-95.6	39.8	-0.7
09/07/04	23:30:52	27.76	242.907	255.703	230.38	1.92	88.5	67	48.21	19.801	8.12	-95.3	19.6	-0.7
09/08/04	00:00:52	28.16	241.132	255.699	227.9	2.1	95.7	67	48.2	19.836	8.11	-95.2	5.3	-0.6
09/08/04	00:30:52	27.09	245.884	255.707	234.55	2.09	97.8	66	48.28	19.775	8.11	-94.6	1.1	-0.6
09/08/04	01:00:52	27.07	245.996	255.703	234.71	2.14	100	66	48.36	19.819	8.1	-94.5	-0.2	-0.6
09/08/04	01:30:52	28.2	240.969	255.703	227.68	2.19	99.7	66	48.41	19.964	8.11	-95.2	0.6	-0.6
09/08/04	02:00:52	26.72	247.553	255.707	236.91	2.15	101.7	67	48.52	19.876	8.12	-95.2	-0.4	-0.6
09/08/04	02:30:52	28.1	241.391	255.703	228.26	2.19	100	66	48.54	20.034	8.11	-95.2	0.5	-0.7
09/08/04	03:00:52	27.24	245.196	255.703	233.59	2.14	99.7	66	48.63	19.996	8.12	-95.3	0.3	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/08/04	03:30:52	27.03	246.144	255.707	234.92	2.13	99.8	66	48.66	19.993	8.12	-95.4	0.2	-0.6
09/08/04	04:00:52	27.5	244.066	255.703	232	2.14	99.1	66	48.73	20.083	8.11	-95	0.5	-0.7
09/08/04	04:30:52	27.48	244.119	255.703	232.08	2.19	101.4	66	48.77	20.107	8.12	-95.2	0.4	-0.5
09/08/04	05:00:52	28.01	241.798	255.703	228.83	2.15	98.3	66	48.79	20.171	8.11	-95	0.6	-0.6
09/08/04	05:30:52	26.96	246.476	255.707	235.39	2.08	97.6	66	48.8	20.069	8.13	-95.8	0.1	-0.7
09/08/04	06:00:52	27.02	246.179	255.695	234.97	2.09	97.8	66	48.83	20.096	8.12	-95.5	-0.4	-0.6
09/08/04	06:30:52	27.76	242.891	255.699	230.36	2.06	94.8	66	48.84	20.175	8.12	-95.6	0.3	-0.6
09/08/04	07:00:52	27.71	243.121	255.695	230.68	2.09	96.4	66	48.87	20.191	8.12	-95.5	0.1	-0.6
09/08/04	07:30:52	27.95	242.059	255.691	229.19	2.06	94.1	66	48.88	20.221	8.12	-95.4	-0.2	-0.5
09/08/04	08:00:52	27.11	245.769	255.695	234.39	2.09	97.5	66	48.89	20.142	8.12	-95.2	0.4	-0.5
09/08/04	08:30:52	27.57	243.749	255.695	231.56	2.03	93.6	66	48.86	20.169	8.12	-95.5	-0.6	-0.4
09/08/04	09:00:52	28.24	240.779	255.695	227.41	2.08	94.5	66	48.86	20.238	8.12	-95.5	0.4	-0.7
09/08/04	09:30:52	27.53	243.928	255.695	231.81	2.03	94.1	66	48.87	20.17	8.12	-95.7	0.9	-0.7
09/08/04	10:00:52	27.89	242.3	255.691	229.53	2.09	95.9	66	48.84	20.188	8.12	-95.5	-0.3	-0.7
09/08/04	10:30:52	27.49	244.071	255.691	232.01	2.11	97.9	66	48.82	20.139	8.12	-95.3	1	2.9
09/08/04	11:00:52	28.11	241.379	255.695	228.25	2.06	93.9	67	48.81	20.193	8.12	-95.6	-0.1	-0.6
09/08/04	11:30:52	27.39	244.552	255.699	232.68	2.02	93.6	66	48.79	20.111	8.12	-95.3	0.6	-0.7
09/08/04	12:00:52	27.41	244.458	255.695	232.55	1.99	92.5	67	48.76	20.095	8.12	-95.4	-0.6	-0.5
09/08/04	12:30:52	27.39	244.512	255.695	232.63	2	92.6	66	48.72	20.069	8.12	-95.2	2.1	-0.7
09/08/04	13:00:52	27.31	244.909	255.695	233.18	2.02	94.2	66	48.71	20.054	8.12	-95.3	5	-0.7
09/08/04	13:30:52	27.36	244.659	255.699	232.83	1.96	90.9	67	48.67	20.037	8.12	-95.6	21.7	-0.7
09/08/04	14:00:52	27.34	244.749	255.695	232.96	1.85	86	69	48.64	20.014	8.13	-96	31.5	-0.7
09/08/04	14:30:52	27.44	244.324	255.695	232.36	1.76	81.6	69	48.61	20.008	8.14	-96.7	48	-0.6
09/08/04	15:00:52	27.47	244.16	255.699	232.13	1.56	72.1	69	48.59	19.999	8.2	-99.7	116.3	-0.7
09/08/04	15:30:52	27.42	244.421	255.699	232.5	1.49	69.3	69	48.56	19.974	8.21	-100.3	125.1	-0.7
09/08/04	16:00:52	26.86	246.91	255.703	236	1.59	75	69	48.5	19.879	8.17	-98.2	93.5	-0.7
09/08/04	16:30:52	27.12	245.735	255.703	234.35	1.35	63.3	70	48.45	19.878	8.19	-99.2	134	-0.7
09/08/04	17:00:52	27.46	244.225	255.703	232.22	1.48	68.7	70	48.4	19.887	8.17	-98.4	117.8	-0.7
09/08/04	17:30:52	27.55	243.846	255.707	231.69	1.44	66.8	69	48.35	19.861	8.18	-98.8	115.1	-0.6
09/08/04	18:00:52	27.34	244.748	255.703	232.96	1.1	51.1	71	48.3	19.813	8.17	-98.4	156.7	-0.7
09/08/04	18:30:52	27.53	243.932	255.703	231.81	1.02	47.2	71	48.26	19.809	8.16	-97.9	121.1	-0.6
09/08/04	19:00:52	26.85	246.955	255.703	236.07	1.08	51.1	70	48.2	19.701	8.15	-97	86.2	-0.7
09/08/04	19:30:52	27.48	244.135	255.703	232.1	0.93	43.2	71	48.15	19.737	8.16	-97.6	165.6	-0.7
09/08/04	20:00:52	27.55	243.813	255.707	231.65	1	46.3	71	48.12	19.724	8.16	-97.5	167.6	-0.7
09/08/04	20:30:52	27.39	244.527	255.707	232.65	0.83	38.6	73	48.09	19.694	8.18	-98.9	144.7	-0.7
09/08/04	21:00:52	27.44	244.327	255.703	232.37	1.13	52.2	71	48.08	19.694	8.15	-97	65.6	-0.6
09/08/04	21:30:52	27.4	244.478	255.703	232.58	0.86	39.9	73	48.09	19.692	8.16	-97.5	69.6	-0.6
09/08/04	22:00:52	27.42	244.413	255.699	232.49	1.08	50	73	48.05	19.671	8.13	-96	50.7	-0.6
09/08/04	22:30:52	27.53	243.904	255.699	231.77	1.26	58	73	48.05	19.685	8.13	-96.1	36.4	-0.7
09/08/04	23:00:52	27.44	244.307	255.699	232.34	1.42	65.6	71	48.07	19.687	8.12	-95.6	17.6	-0.7
09/08/04	23:30:52	27.39	244.523	255.703	232.64	1.53	70.9	71	48.1	19.702	8.12	-95.5	11.9	-0.6
09/09/04	00:00:52	27.36	244.675	255.699	232.86	1.55	72.2	69	48.14	19.719	8.12	-95.3	8.1	0
09/09/04	00:30:52	27.34	244.745	255.699	232.95	1.69	78.4	67	48.18	19.74	8.11	-95.2	1.6	-0.6
09/09/04	01:00:52	27.37	244.639	255.691	232.8	1.75	81.5	69	48.23	19.773	8.11	-95.1	0.1	-0.6
09/09/04	01:30:52	27.52	243.949	255.695	231.84	1.8	83.2	67	48.29	19.822	8.11	-95	0.5	-0.7
09/09/04	02:00:52	26.64	247.937	255.691	237.45	1.78	84.4	67	48.35	19.768	8.11	-95	0.4	-0.6
09/09/04	02:30:52	27.53	243.905	255.688	231.77	1.71	79.2	67	48.42	19.9	8.12	-95.6	0.3	-0.6
09/09/04	03:00:52	26.74	247.442	255.688	236.75	1.7	80.3	67	48.49	19.861	8.12	-95.3	-0.1	-0.7
09/09/04	03:30:52	27.53	243.896	255.688	231.76	1.7	78.8	66	48.54	19.978	8.12	-95.4	0.5	-0.7
09/09/04	04:00:52	26.93	246.612	255.684	235.58	1.65	77.6	67	48.6	19.949	8.12	-95.3	0.2	-0.7
09/09/04	04:30:52	27.25	245.131	255.688	233.5	1.64	76.2	67	48.65	20.014	8.12	-95.4	-0.5	-0.5
09/09/04	05:00:52	27.69	243.207	255.688	230.8	1.65	76.2	67	48.71	20.091	8.12	-95.3	-0.2	-0.6
09/09/04	05:30:52	26.91	246.673	255.691	235.67	1.67	78.7	66	48.76	20.04	8.11	-95	0.5	-0.7
09/09/04	06:00:52	27.79	242.766	255.691	230.18	1.7	78	66	48.79	20.151	8.12	-95.4	-0.4	-0.6
09/09/04	06:30:52	26.18	250.044	255.688	240.44	1.7	81.7	66	48.82	20	8.12	-95.2	1.3	-0.7
09/09/04	07:00:52	26.25	249.707	255.684	239.96	1.72	82.3	66	48.85	20.024	8.12	-95	0.3	-0.6
09/09/04	07:30:52	27.18	245.473	255.688	233.98	1.78	83	67	48.86	20.131	8.11	-95.1	0.4	0.7
09/09/04	08:00:52	27.47	244.157	255.688	232.13	1.73	80	66	48.9	20.181	8.11	-95.1	0.1	-0.6
09/09/04	08:30:52	28.11	241.344	255.691	228.2	1.77	80.8	67	48.89	20.243	8.11	-95	0.1	-0.6
09/09/04	09:00:52	27.48	244.124	255.688	232.08	1.77	81.9	66	48.89	20.177	8.12	-95.3	0.7	-0.6
09/09/04	09:30:52	26.78	247.279	255.688	236.52	1.74	82.3	66	48.9	20.109	8.12	-95.3	0.2	-0.7
09/09/04	10:00:52	27.52	243.933	255.691	231.81	1.85	85.4	66	48.9	20.189	8.11	-95.2	-0.2	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/09/04	10:30:52	27.26	245.102	255.691	233.46	1.8	83.6	66	48.88	20.15	8.11	-94.8	-0.3	-0.7
09/09/04	11:00:52	27.45	244.242	255.691	232.25	1.84	85.1	66	48.88	20.171	8.1	-94.6	-0.7	-0.6
09/09/04	11:30:52	26.72	247.567	255.695	236.93	1.85	87.5	67	48.88	20.089	8.11	-94.5	-0	-0.6
09/09/04	12:00:52	27.25	245.143	255.691	233.51	1.89	88.1	66	48.87	20.143	8.1	-94.3	1.3	-0.6
09/09/04	12:30:52	27.4	244.479	255.695	232.58	1.76	81.5	67	48.86	20.154	8.12	-95.3	10.3	-0.5
09/09/04	13:00:52	27.26	245.131	255.695	233.5	1.67	77.7	69	48.84	20.125	8.14	-96.4	23.2	-0.6
09/09/04	13:30:52	27.44	244.307	255.699	232.34	1.52	70.7	69	48.82	20.129	8.19	-99.2	41.6	-0.6
09/09/04	14:00:52	27.41	244.438	255.699	232.52	1.46	67.7	69	48.81	20.125	8.21	-100.3	56.2	-0.6
09/09/04	14:30:52	27.43	244.344	255.699	232.39	1.38	64.1	69	48.79	20.114	8.23	-101.7	77.3	-0.7
09/09/04	15:00:52	27.33	244.798	255.699	233.03	1.45	67.2	69	48.77	20.092	8.22	-100.8	92.2	-0.6
09/09/04	15:30:52	27.41	244.425	255.699	232.51	1.46	67.7	69	48.74	20.082	8.22	-101	108.9	-0.6
09/09/04	16:00:52	27.35	244.736	255.703	232.94	1.37	63.5	71	48.7	20.048	8.22	-101.4	135.2	-0.7
09/09/04	16:30:52	27.35	244.703	255.703	232.9	1.24	57.5	70	48.66	20.027	8.2	-99.9	155.9	-0.6
09/09/04	17:00:52	27.49	244.095	255.703	232.04	1.08	50.1	73	48.61	20.013	8.18	-98.9	168.4	-0.7
09/09/04	17:30:52	27.31	244.883	255.703	233.15	0.94	43.9	74	48.56	19.964	8.16	-97.8	183.5	-0.7
09/09/04	18:00:52	26.99	246.331	255.703	235.19	0.79	37.1	80	48.51	19.901	8.16	-97.7	182	-0.6
09/09/04	18:30:52	27.45	244.29	255.703	232.32	0.57	26.4	86	48.46	19.916	8.17	-98.1	160.8	-0.7
09/09/04	19:00:52	27.42	244.4	255.707	232.47	0.46	21.6	95	48.41	19.886	8.17	-98.1	193.8	-0.6
09/09/04	19:30:52	27.41	244.445	255.707	232.53	0.38	17.5	99	48.36	19.856	8.17	-98.2	162.1	-0.7
09/09/04	20:00:52	27.53	243.895	255.699	231.76	0.86	39.5	98	48.31	19.835	8.14	-96.3	55.1	-0.7
09/09/04	20:30:52	27.31	244.904	255.699	233.18	0.49	22.6	99	48.26	19.788	8.16	-97.5	146.8	-0.7
09/09/04	21:00:52	26.72	247.549	255.703	236.9	0.49	23	99	48.24	19.712	8.18	-98.5	127.5	-0.7
09/09/04	21:30:52	27.36	244.666	255.703	232.84	0.46	21.2	99	48.19	19.75	8.17	-98.1	108.9	-0.6
09/09/04	22:00:52	27.62	243.538	255.703	231.26	0.56	25.9	98	48.19	19.774	8.15	-97.3	93	-0.7
09/09/04	22:30:52	27.51	243.985	255.703	231.89	0.59	27.2	99	48.17	19.754	8.16	-97.5	67.5	-0.7
09/09/04	23:00:52	27.2	245.398	255.699	233.87	0.84	39.1	99	48.17	19.721	8.14	-96.7	43.1	-0.6
09/09/04	23:30:52	27.23	245.245	255.699	233.66	0.9	42	99	48.19	19.734	8.13	-95.7	23.3	-0.7
09/10/04	00:00:52	27.23	245.233	255.695	233.64	1.2	56.1	99	48.2	19.741	8.12	-95.2	9.4	-0.6
09/10/04	00:30:52	27.29	244.995	255.695	233.3	1.22	56.8	99	48.23	19.766	8.11	-95	0.5	-0.7
09/10/04	01:00:52	27.44	244.304	255.691	232.33	1.42	66	100	48.27	19.807	8.11	-95	0.7	-0.7
09/10/04	01:30:52	27.26	245.11	255.691	233.47	1.48	69.1	97	48.33	19.819	8.12	-95.2	0.7	-0.6
09/10/04	02:00:52	27.14	245.658	255.691	234.24	1.52	71	86	48.36	19.828	8.11	-95	0.7	-0.6
09/10/04	02:30:52	27.2	245.402	255.691	233.88	1.52	70.8	84	48.44	19.881	8.12	-95.2	1.1	-0.7
09/10/04	03:00:52	27.68	243.239	255.691	230.84	1.52	70	86	48.48	19.952	8.12	-95.3	0.8	-0.6
09/10/04	03:30:52	26.93	246.578	255.688	235.53	1.54	72.5	87	48.55	19.922	8.12	-95.2	1.6	-0.6
09/10/04	04:00:52	26.27	249.639	255.688	239.86	1.67	80.1	86	48.6	19.879	8.13	-95.5	0.6	-0.6
09/10/04	04:30:52	27.2	245.395	255.688	233.87	1.71	79.9	86	48.66	20.01	8.11	-95	0.3	-0.7
09/10/04	05:00:52	26.29	249.553	255.688	239.74	1.72	82.4	84	48.7	19.941	8.12	-95.1	0.5	-0.7
09/10/04	05:30:52	27.53	243.9	255.691	231.77	1.77	81.9	84	48.76	20.106	8.12	-95.3	0.6	-0.6
09/10/04	06:00:52	27.73	243.016	255.691	230.53	1.78	82	81	48.8	20.149	8.12	-95.3	0.6	-0.7
09/10/04	06:30:52	27.35	244.713	255.688	232.91	1.72	79.8	84	48.83	20.13	8.11	-95	0.4	-0.7
09/10/04	07:00:52	27.19	245.436	255.688	233.92	1.74	81.2	81	48.86	20.129	8.12	-95.2	0.6	-0.7
09/10/04	07:30:52	26.79	247.216	255.688	236.43	1.77	83.6	77	48.87	20.091	8.12	-95.2	0.1	-0.7
09/10/04	08:00:52	26.74	247.45	255.688	236.76	1.77	83.5	77	48.89	20.101	8.12	-95	0.9	-0.7
09/10/04	08:30:52	27.36	244.648	255.684	232.82	1.82	84.7	76	48.88	20.161	8.11	-94.7	-0.2	-0.7
09/10/04	09:00:52	26.97	246.396	255.684	235.28	1.79	84	70	48.89	20.123	8.11	-94.8	0	2.3
09/10/04	09:30:52	26	250.903	255.68	241.66	1.74	84	69	48.87	20.009	8.11	-94.7	0.1	-0.6
09/10/04	10:00:52	27.38	244.554	255.68	232.69	1.76	81.5	67	48.86	20.15	8.11	-94.6	0.5	-0.4
09/10/04	10:30:52	26.91	246.67	255.68	235.66	1.75	82.5	67	48.86	20.101	8.1	-94.1	-0.4	-0.7
09/10/04	11:00:52	27.54	243.844	255.68	231.69	1.87	86.2	69	48.84	20.155	8.1	-94.1	0	-0.7
09/10/04	11:30:52	26.08	250.504	255.676	241.1	1.92	92.5	69	48.84	20.001	8.09	-93.7	0.9	1135.6
09/10/04	12:00:52	27.05	246.064	255.68	234.81	1.96	92	67	48.83	20.097	8.1	-94	2	-0.7
09/10/04	12:30:52	26.92	246.616	255.68	235.59	2.13	99.9	67	48.81	20.074	8.09	-93.4	8.2	-0.7
09/10/04	13:00:52	26.94	246.533	255.68	235.47	2.39	112.4	67	48.8	20.071	8.09	-93.4	15.3	-0.7
09/10/04	13:30:52	26.83	247.058	255.68	236.21	2.58	121.7	67	48.76	20.035	8.12	-95.3	31.4	-0.7
09/10/04	14:00:52	27	246.255	255.684	235.08	2.27	106.4	67	48.75	20.047	8.13	-96.1	50.5	-0.6
09/10/04	14:30:52	27.49	244.076	255.684	232.02	2.11	97.9	67	48.74	20.092	8.15	-97.2	60.4	-0.6
09/10/04	15:00:52	27.04	246.109	255.684	234.87	2.02	94.6	69	48.71	20.026	8.15	-97.1	81.8	-0.7
09/10/04	15:30:52	27.08	245.902	255.688	234.58	1.91	89.2	69	48.68	20.012	8.18	-98.6	100	-0.6
09/10/04	16:00:52	27.06	246.01	255.684	234.73	1.94	90.9	69	48.65	19.989	8.14	-96.7	126.4	-0.6
09/10/04	16:30:52	27.22	245.283	255.688	233.71	1.93	90.1	73	48.61	19.982	8.15	-96.8	143.3	-0.7
09/10/04	17:00:52	27.07	245.952	255.688	234.65	1.9	88.8	73	48.59	19.958	8.12	-95.6	143.2	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/10/04	17:30:52	27.1	245.836	255.691	234.49	1.92	89.6	74	48.55	19.936	8.12	-95.3	150.9	-0.6
09/10/04	18:00:52	27.05	246.072	255.688	234.82	2	93.7	79	48.48	19.891	8.12	-95.3	86.7	-0.7
09/10/04	18:30:52	27.14	245.67	255.691	234.25	1.95	90.9	86	48.45	19.88	8.12	-95.4	159.7	-0.6
09/10/04	19:00:52	27.1	245.811	255.691	234.45	1.9	88.8	93	48.4	19.847	8.12	-95.2	152.1	-0.6
09/10/04	19:30:52	27.18	245.472	255.695	233.98	1.63	76	99	48.35	19.825	8.13	-95.8	87.7	-0.6
09/10/04	20:00:52	27.09	245.864	255.695	234.53	1.49	69.8	99	48.28	19.773	8.12	-95.6	132.4	-0.6
09/10/04	20:30:52	27.27	245.065	255.691	233.4	1.43	66.3	99	48.23	19.764	8.14	-96.5	121.7	-0.6
09/10/04	21:00:52	27.25	245.156	255.691	233.53	1.32	61.3	99	48.2	19.747	8.14	-96.4	74.8	-0.5
09/10/04	21:30:52	27.35	244.688	255.691	232.87	1.54	71.7	99	48.15	19.722	8.1	-94.2	59.9	-0.6
09/10/04	22:00:52	27.17	245.526	255.695	234.05	1.57	73.2	99	48.12	19.688	8.1	-94.2	73.2	-0.6
09/10/04	22:30:52	27.24	245.221	255.691	233.62	1.54	71.7	99	48.11	19.688	8.09	-93.9	31.4	-0.6
09/10/04	23:00:52	27.18	245.452	255.691	233.95	1.61	75.1	99	48.1	19.675	8.08	-93.2	25.5	-0.7
09/10/04	23:30:52	27.33	244.803	255.691	233.03	1.71	79.3	95	48.07	19.675	8.07	-92.7	17.6	-0.7
09/11/04	00:00:52	27.22	245.279	255.691	233.7	1.9	88.8	88	48.1	19.681	8.05	-91.4	6.5	-0.6
09/11/04	00:30:52	27.19	245.419	255.691	233.9	1.91	89.2	84	48.09	19.675	8.05	-91.5	0.9	-0.6
09/11/04	01:00:52	27.13	245.699	255.691	234.3	2.08	97.4	74	48.15	19.699	8.03	-90.2	0.2	-0.5
09/11/04	01:30:52	27.08	245.914	255.691	234.6	2.18	101.9	76	48.18	19.716	8.05	-91.2	-0.3	-0.6
09/11/04	02:00:52	27.32	244.852	255.691	233.1	2.19	101.8	80	48.22	19.764	8.05	-91.4	0.7	3.9
09/11/04	02:30:52	26.57	248.264	255.695	237.92	2.15	102.1	76	48.27	19.715	8.05	-91.2	0.4	-0.7
09/11/04	03:00:52	27.1	245.811	255.688	234.45	2.21	103.4	73	48.34	19.814	8.04	-90.8	0.2	-0.6
09/11/04	03:30:52	27.26	245.094	255.688	233.44	2.26	105.1	73	48.39	19.86	8.04	-90.9	-0.1	-0.2
09/11/04	04:00:52	27.29	244.963	255.688	233.26	2.17	100.8	69	48.44	19.892	8.08	-93.1	0.2	-0.4
09/11/04	04:30:52	26.93	246.607	255.688	235.57	2.18	102.5	70	48.52	19.9	8.08	-93	0	-0.7
09/11/04	05:00:52	27.14	245.646	255.688	234.22	2.12	98.9	69	48.58	19.956	8.09	-93.5	0.2	-0.7
09/11/04	05:30:52	27.02	246.171	255.688	234.96	2.01	94.1	69	48.64	19.984	8.09	-93.7	0.4	9.4
09/11/04	06:00:52	27.01	246.242	255.688	235.06	1.97	92.2	69	48.71	20.021	8.09	-93.8	-0.1	-0.7
09/11/04	06:30:52	26.95	246.495	255.684	235.42	1.99	93.6	69	48.74	20.034	8.09	-93.6	-0.1	-0.7
09/11/04	07:00:52	27.07	245.985	255.688	234.7	1.98	92.6	69	48.78	20.069	8.09	-93.8	0.4	-0.4
09/11/04	07:30:52	27.03	246.147	255.684	234.93	2.03	95.1	69	48.83	20.094	8.09	-93.8	-0	-0.7
09/11/04	08:00:52	27.05	246.064	255.684	234.81	1.98	92.6	69	48.85	20.111	8.09	-93.6	0.4	-0.6
09/11/04	08:30:52	27.07	245.952	255.688	234.65	2	93.6	69	48.88	20.129	8.08	-93.2	-0.1	-0.6
09/11/04	09:00:52	26.99	246.317	255.684	235.17	1.98	93.1	69	48.88	20.123	8.08	-93.1	0.1	-0.7
09/11/04	09:30:52	27.07	245.964	255.688	234.67	2.04	95.4	67	48.91	20.146	8.07	-92.3	0.2	-0.7
09/11/04	10:00:52	27.07	245.956	255.688	234.66	2.11	98.7	67	48.92	20.155	8.06	-91.9	0.2	14.1
09/11/04	10:30:52	27.02	246.171	255.688	234.96	2.22	104	67	48.91	20.139	8.04	-90.9	0.3	-0.7
09/11/04	11:00:52	27.09	245.89	255.688	234.56	2.33	108.9	67	48.89	20.14	8.03	-90.2	0.1	-0.7
09/11/04	11:30:52	26.44	248.84	255.684	238.73	2.36	112.5	67	48.91	20.081	8.03	-90.1	0.1	-0.7
09/11/04	12:00:52	27.06	246.001	255.691	234.72	2.45	114.8	67	48.89	20.136	8.03	-90	1.3	-0.5
09/11/04	12:30:52	27	246.258	255.688	235.08	2.59	121.5	66	48.89	20.127	8	-88.6	8.3	-0.6
09/11/04	13:00:52	26.69	247.693	255.691	237.11	2.59	122.7	66	48.9	20.1	8.01	-89.1	21	-0.7
09/11/04	13:30:52	27.11	245.782	255.691	234.41	2.63	123	66	48.88	20.135	8.01	-89.4	36.9	-0.7
09/11/04	14:00:52	26.96	246.445	255.688	235.35	2.61	122.7	67	48.88	20.118	8.04	-90.9	46.7	-0.7
09/11/04	14:30:52	26.99	246.32	255.695	235.17	2.58	120.9	67	48.87	20.113	8.06	-91.7	61.4	-0.7
09/11/04	15:00:52	27.24	245.209	255.695	233.61	2.5	116.6	69	48.84	20.125	8.06	-92	88.2	-0.7
09/11/04	15:30:52	27.19	245.414	255.695	233.89	2.56	119.3	67	48.83	20.113	8.04	-90.8	71	-0.7
09/11/04	16:00:52	27.19	245.423	255.695	233.91	2.65	123.4	67	48.85	20.123	8.01	-89.1	23.2	-0.6
09/11/04	16:30:52	27.54	243.847	255.695	231.69	2.54	117.5	69	48.8	20.133	8.03	-90.2	50.4	-0.7
09/11/04	17:00:52	27.37	244.602	255.695	232.75	2.55	118.2	69	48.77	20.095	8.02	-89.8	41.3	-0.7
09/11/04	17:30:52	27.13	245.682	255.695	234.27	2.73	127.5	67	48.74	20.052	8.01	-88.9	23.7	-0.7
09/11/04	18:00:52	27.1	245.835	255.695	234.49	2.77	129.4	67	48.69	20.022	8.01	-88.9	34.6	-0.7
09/11/04	18:30:52	27.32	244.851	255.695	233.1	2.75	128.1	69	48.67	20.03	8.01	-89.1	41.7	4.3
09/11/04	19:00:52	27.12	245.732	255.699	234.34	2.6	121.3	69	48.63	19.984	8.03	-90	86	-0.6
09/11/04	19:30:52	26.5	248.559	255.699	238.33	2.42	115.2	69	48.56	19.879	8.04	-90.9	139.1	-0.7
09/11/04	20:00:52	26.88	246.847	255.699	235.91	2.45	115.2	70	48.5	19.884	8.06	-91.7	122	-0.6
09/11/04	20:30:52	27.26	245.122	255.699	233.48	2.66	124.1	69	48.44	19.888	8.05	-91.4	107.2	-0.7
09/11/04	21:00:52	27.22	245.282	255.703	233.71	2.58	120.2	69	48.4	19.858	8.05	-91.6	92.8	-0.6
09/11/04	21:30:52	27.15	245.591	255.699	234.14	2.55	119.1	69	48.33	19.81	8.06	-92.1	75.7	-0.7
09/11/04	22:00:52	27.59	243.639	255.703	231.4	2.55	117.9	70	48.33	19.856	8.07	-92.7	57.6	-0.6
09/11/04	22:30:52	27.26	245.101	255.699	233.45	2.61	121.4	71	48.26	19.782	8.07	-92.5	41.9	-0.6
09/11/04	23:00:52	27.12	245.756	255.703	234.38	2.61	122.1	70	48.25	19.757	8.07	-92.5	28.5	-0.6
09/11/04	23:30:52	27.24	245.212	255.699	233.61	2.74	127.8	69	48.22	19.753	8.06	-92	15.4	-0.6
09/12/04	00:00:52	27.59	243.643	255.699	231.41	2.81	129.6	69	48.21	19.782	8.06	-91.9	5.4	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/12/04	00:30:52	27.13	245.703	255.699	234.3	2.88	134.7	69	48.21	19.738	8.05	-91.3	0.1	-0.6
09/12/04	01:00:52	27.23	245.237	255.699	233.65	2.86	133.3	69	48.22	19.754	8.05	-91.7	0.3	-0.6
09/12/04	01:30:52	27.19	245.431	255.699	233.92	2.83	132	69	48.23	19.756	8.05	-91.6	0.6	-0.6
09/12/04	02:00:52	27.19	245.435	255.695	233.92	2.72	126.9	69	48.25	19.77	8.07	-92.6	0.6	-0.6
09/12/04	02:30:52	27.11	245.794	255.695	234.43	2.66	124.2	69	48.33	19.806	8.08	-93.1	-0.1	-0.6
09/12/04	03:00:52	27.15	245.6	255.695	234.16	2.7	126	69	48.36	19.828	8.08	-93.1	-0.1	-0.6
09/12/04	03:30:52	27.17	245.513	255.695	234.03	2.76	128.9	69	48.41	19.858	8.07	-92.5	-0.1	-0.6
09/12/04	04:00:52	27.14	245.641	255.699	234.21	2.75	128.5	69	48.47	19.891	8.07	-92.5	0.2	-0.7
09/12/04	04:30:52	26.89	246.81	255.699	235.86	2.84	133.7	69	48.53	19.903	8.06	-91.7	0.3	-0.7
09/12/04	05:00:52	27.23	245.25	255.695	233.66	2.9	135.3	67	48.55	19.947	8.05	-91.4	0.7	-0.6
09/12/04	05:30:52	27.08	245.943	255.695	234.64	2.92	136.8	69	48.64	19.987	8.04	-90.8	0.3	-0.6
09/12/04	06:00:52	27.11	245.769	255.695	234.39	3.04	141.9	67	48.66	20.002	8.03	-90	0.1	-0.7
09/12/04	06:30:52	27.15	245.629	255.695	234.2	3.07	143.3	69	48.78	20.079	8.03	-90.3	0.2	-0.7
09/12/04	07:00:52	27.14	245.645	255.699	234.22	3.03	141.7	69	48.77	20.07	8.04	-90.7	0	-0.7
09/12/04	07:30:52	27.16	245.575	255.695	234.12	3.01	140.8	67	48.77	20.073	8.03	-90.5	0.4	156.6
09/12/04	08:00:52	27.15	245.604	255.699	234.16	3.08	143.8	69	48.85	20.121	8.03	-90	-0.1	-0.7
09/12/04	08:30:52	27.19	245.443	255.695	233.94	3.12	145.6	67	48.88	20.139	8.02	-89.8	0.1	-0.7
09/12/04	09:00:52	27.15	245.596	255.695	234.15	3.13	146	67	48.87	20.134	8.02	-89.7	-0.1	-0.7
09/12/04	09:30:52	27.18	245.476	255.695	233.98	3.21	149.7	67	48.87	20.136	8.01	-89.4	0.2	-0.6
09/12/04	10:00:52	27.15	245.616	255.695	234.18	3.18	148.5	67	48.91	20.156	8.01	-89.4	-0	-0.6
09/12/04	10:30:52	27.12	245.741	255.691	234.35	3.26	152.5	67	48.95	20.177	8.01	-89.1	0.1	-0.7
09/12/04	11:00:52	27.16	245.559	255.695	234.1	3.48	162.4	67	48.92	20.162	8	-88.4	-0.2	-0.7
09/12/04	11:30:52	27.06	246.009	255.691	234.73	3.59	168	67	48.9	20.141	7.99	-88	0.4	-0.7
09/12/04	12:00:52	27.08	245.927	255.691	234.62	3.61	169.1	67	48.91	20.145	7.99	-88.1	0.3	-0.7
09/12/04	12:30:52	27.09	245.898	255.691	234.57	3.64	170.3	67	48.96	20.176	7.99	-87.8	6.4	-0.7
09/12/04	13:00:52	26.43	248.92	255.695	238.84	3.66	174.6	67	48.92	20.082	7.99	-87.6	10	-0.7
09/12/04	13:30:52	27.12	245.724	255.695	234.33	3.64	170	67	48.91	20.152	7.98	-87.2	10.6	-0.7
09/12/04	14:00:52	27.05	246.071	255.695	234.82	3.6	168.5	67	48.9	20.137	7.99	-88.1	10.2	-0.7
09/12/04	14:30:52	27.29	244.979	255.695	233.28	3.26	151.5	70	48.96	20.203	8.06	-91.8	22.6	-0.7
09/12/04	15:00:52	27.72	243.068	255.703	230.6	2.88	132.5	71	48.94	20.234	8.1	-94.6	33.3	-0.7
09/12/04	15:30:52	28.19	241.021	255.703	227.75	2.71	123.3	71	48.9	20.258	8.11	-95.2	53.2	-0.7
09/12/04	16:00:52	27.54	243.883	255.703	231.74	2.65	122.6	71	48.89	20.186	8.13	-95.9	115	-0.7
09/12/04	16:30:52	26.44	248.847	255.699	238.74	2.47	117.5	71	48.88	20.065	8.14	-96.1	122.4	-0.7
09/12/04	17:00:52	27.17	245.541	255.707	234.07	2.51	117.4	71	48.83	20.11	8.12	-95.5	72.5	-0.7
09/12/04	17:30:52	26.49	248.639	255.703	238.45	2.4	114.2	73	48.83	20.04	8.13	-95.9	134.6	-0.7
09/12/04	18:00:52	26.99	246.356	255.703	235.22	2.4	112.4	71	48.83	20.092	8.13	-95.8	129	-0.7
09/12/04	18:30:52	27.03	246.182	255.707	234.97	2.34	109.8	73	48.79	20.074	8.13	-95.9	135.9	-0.7
09/12/04	19:00:52	27.54	243.863	255.703	231.72	2.31	106.7	73	48.76	20.109	8.13	-96	129	-0.7
09/12/04	19:30:52	28.12	241.343	255.703	228.2	2.33	106	73	48.77	20.168	8.14	-96.5	141.6	-0.7
09/12/04	20:00:52	26.38	249.152	255.703	239.17	2.5	119.1	73	48.66	19.923	8.12	-95.2	8	-0.7
09/12/04	20:30:52	26.56	248.314	255.703	237.99	2.46	117	71	48.65	19.936	8.12	-95.1	13.7	-0.7
09/12/04	21:00:52	28.01	241.782	255.703	228.81	2.42	110.4	73	48.56	20.034	8.12	-95.4	22.4	-0.7
09/12/04	21:30:52	27.49	244.099	255.703	232.05	2.34	108.1	71	48.47	19.93	8.12	-95.3	25.1	-0.7
09/12/04	22:00:52	26.28	249.603	255.703	239.81	2.25	107.6	71	48.47	19.801	8.12	-95.1	28.2	-0.7
09/12/04	22:30:52	26.39	249.109	255.703	239.11	2.32	110.5	73	48.4	19.769	8.11	-94.8	19.4	-0.7
09/12/04	23:00:52	28.17	241.1	255.703	227.86	2.39	108.8	71	48.33	19.912	8.1	-94.4	15.8	-0.7
09/12/04	23:30:52	27.94	242.107	255.699	229.26	2.41	110.1	70	48.31	19.88	8.1	-94.1	13.6	-0.7
09/13/04	00:00:52	26.67	247.78	255.703	237.23	2.31	109.3	70	48.24	19.707	8.1	-93.9	7.4	-0.7
09/13/04	00:30:52	27.31	244.883	255.703	233.15	2.24	104.1	69	48.3	19.812	8.09	-93.8	0.4	-0.6
09/13/04	01:00:52	28	241.862	255.699	228.92	2.21	100.9	70	48.19	19.812	8.09	-93.8	0.1	-0.7
09/13/04	01:30:52	26.76	247.403	255.699	236.7	2.18	103.1	69	48.23	19.71	8.09	-93.8	0.4	-0.7
09/13/04	02:00:52	27.06	246.021	255.703	234.75	1.99	93	70	48.3	19.786	8.11	-95	1	-0.6
09/13/04	02:30:52	26.46	248.758	255.703	238.61	1.98	94.5	69	48.32	19.735	8.12	-95.4	0.4	-0.6
09/13/04	03:00:52	27.22	245.303	255.703	233.74	1.99	92.7	70	48.3	19.801	8.12	-95.4	0.7	-0.7
09/13/04	03:30:52	28.09	241.439	255.703	228.33	2.05	93.6	69	48.38	19.937	8.12	-95.3	0.2	-0.7
09/13/04	04:00:52	28.23	240.866	255.703	227.53	2.06	93.7	70	48.43	19.978	8.12	-95.5	0.1	-0.7
09/13/04	04:30:52	28.02	241.734	255.699	228.74	2.06	93.9	70	48.43	19.959	8.12	-95.4	-0.6	-0.7
09/13/04	05:00:52	26.26	249.692	255.707	239.94	1.93	92.5	70	48.47	19.797	8.13	-95.5	0.3	-0.6
09/13/04	05:30:52	28.13	241.292	255.699	228.12	2.04	93	70	48.52	20.022	8.12	-95.3	-0.1	-0.6
09/13/04	06:00:52	28.21	240.946	255.699	227.64	2.02	91.8	69	48.58	20.063	8.12	-95.7	-1.9	-0.6
09/13/04	06:30:52	27.09	245.892	255.703	234.57	2.04	95.6	70	48.59	19.957	8.12	-95.2	0.7	-0.7
09/13/04	07:00:52	26.52	248.479	255.703	238.22	1.94	92.3	69	48.62	19.916	8.12	-95.3	0.4	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/13/04	07:30:52	28.1	241.387	255.699	228.26	2.09	95.3	69	48.71	20.133	8.12	-95.3	0.2	-0.6
09/13/04	08:00:52	27.53	243.932	255.703	231.81	2.01	92.8	70	48.68	20.056	8.12	-95.3	0.5	-0.7
09/13/04	08:30:52	26.26	249.684	255.699	239.93	1.99	95.2	69	48.69	19.933	8.12	-95.2	0.6	-0.7
09/13/04	09:00:52	28.05	241.622	255.699	228.59	2.04	93.1	69	48.7	20.121	8.12	-95.5	-1.3	-0.7
09/13/04	09:30:52	26.43	248.923	255.699	238.85	2.01	95.6	70	48.64	19.918	8.12	-95.5	0.1	-0.6
09/13/04	10:00:52	28.03	241.694	255.699	228.69	2.01	92	70	48.66	20.099	8.12	-95.3	0.4	-0.6
09/13/04	10:30:52	26.7	247.675	255.699	237.08	2.04	96.2	70	48.76	20.019	8.11	-95	-0	-0.7
09/13/04	11:00:52	28.19	240.997	255.699	227.71	2.14	97.4	69	48.67	20.122	8.1	-94.7	0.2	-0.7
09/13/04	11:30:52	27.65	243.368	255.699	231.02	2.14	98.8	69	48.71	20.089	8.1	-94.5	0.1	-0.7
09/13/04	12:00:52	26.8	247.214	255.703	236.43	2.07	97.5	69	48.71	20	8.11	-94.8	0.4	-0.7
09/13/04	12:30:52	27.48	244.127	255.703	232.09	2.08	96.1	70	48.7	20.066	8.11	-95	13.7	-0.7
09/13/04	13:00:52	27.37	244.642	255.703	232.81	2.05	95.1	70	48.68	20.04	8.12	-95.3	25.3	-0.5
09/13/04	13:30:52	26.28	249.624	255.703	239.84	2.05	97.9	70	48.72	19.95	8.12	-95.3	28.1	-0.7
09/13/04	14:00:52	27.45	244.258	255.703	232.27	2.06	95.4	70	48.76	20.098	8.12	-95.5	42.7	-0.7
09/13/04	14:30:52	27.96	242.03	255.699	229.15	2.13	97.2	70	48.67	20.096	8.12	-95.6	56	-0.7
09/13/04	15:00:52	28.15	241.192	255.699	227.99	2.15	97.8	70	48.72	20.145	8.12	-95.8	72.9	-0.4
09/13/04	15:30:52	27.34	244.769	255.703	232.99	2.19	101.9	70	48.72	20.06	8.13	-95.8	79.1	-0.7
09/13/04	16:00:52	27.23	245.27	255.703	233.69	2.2	102.3	71	48.77	20.078	8.13	-95.7	104.1	-0.6
09/13/04	16:30:52	27.79	242.762	255.699	230.18	2.26	103.7	71	48.72	20.108	8.12	-95.5	112.6	-0.7
09/13/04	17:00:52	26.93	246.626	255.703	235.6	2.22	104.3	71	48.86	20.104	8.13	-95.8	134.3	-0.6
09/13/04	17:30:52	27.59	243.627	255.699	231.39	2.37	109.6	71	48.51	19.964	8.12	-95.5	140.5	0.4
09/13/04	18:00:52	26.95	246.543	255.703	235.48	2.4	112.8	71	48.68	19.999	8.12	-95.4	50.5	1.2
09/13/04	18:30:52	26.93	246.61	255.703	235.58	2.42	113.8	71	48.76	20.045	8.13	-95.8	142.1	-0.7
09/13/04	19:00:52	26.64	247.931	255.703	237.44	2.53	119.9	71	48.67	19.958	8.13	-96.1	151.6	-0.6
09/13/04	19:30:52	26.35	249.279	255.703	239.35	2.59	123.7	71	48.69	19.942	8.13	-95.7	131.4	-0.4
09/13/04	20:00:52	28.11	241.379	255.703	228.25	2.64	120.3	73	48.73	20.144	8.12	-95.8	115	-0.3
09/13/04	20:30:52	26.28	249.616	255.703	239.83	2.57	122.8	73	48.39	19.757	8.12	-95.4	106.9	-0.7
09/13/04	21:00:52	27.56	243.794	255.699	231.62	2.68	123.7	71	48.6	20.011	8.12	-95.5	68.3	-0.6
09/13/04	21:30:52	26.38	249.14	255.699	239.16	2.6	124.1	73	48.59	19.885	8.13	-95.8	82	-0.7
09/13/04	22:00:52	26.2	249.983	255.699	240.35	2.59	124.3	73	48.23	19.652	8.13	-95.6	64.4	-0.6
09/13/04	22:30:52	26.2	249.966	255.699	240.33	2.59	124.1	73	48.36	19.729	8.12	-95	18.9	-0.7
09/13/04	23:00:52	28	241.85	255.699	228.9	2.73	124.6	73	48.3	19.877	8.12	-95.6	31.8	-0.6
09/13/04	23:30:52	26.25	249.74	255.699	240.01	2.72	130.4	73	48.41	19.763	8.11	-94.9	21.8	-0.7
09/14/04	00:00:52	26.34	249.343	255.703	239.45	2.67	127.7	73	48.4	19.765	8.12	-95	5.4	-0.7
09/14/04	00:30:52	28.15	241.192	255.699	227.99	2.72	123.8	73	48.45	19.984	8.11	-95	-0.5	-0.6
09/14/04	01:00:52	27.26	245.134	255.699	233.5	2.64	123	73	48.28	19.79	8.11	-95.1	0.3	-0.6
09/14/04	01:30:52	26.69	247.726	255.699	237.15	2.58	122.1	73	48.48	19.85	8.12	-95.2	1	-0.7
09/14/04	02:00:52	27.74	242.996	255.699	230.5	2.55	117.5	73	48.26	19.831	8.12	-95.4	-0.4	-0.7
09/14/04	02:30:52	27.7	243.182	255.699	230.76	2.59	119.1	74	48.44	19.932	8.12	-95.3	0.3	-0.7
09/14/04	03:00:52	27.99	241.886	255.699	228.95	2.56	116.9	74	48.41	19.946	8.11	-95.2	0.1	-0.7
09/14/04	03:30:52	26.28	249.62	255.703	239.84	2.48	118.8	76	48.51	19.826	8.12	-95.3	0.1	-0.6
09/14/04	04:00:52	26.24	249.778	255.703	240.06	2.47	118.3	76	48.44	19.777	8.12	-95.3	0.4	-0.6
09/14/04	04:30:52	27.3	244.925	255.703	233.21	2.46	114.4	74	48.48	19.915	8.12	-95.4	0.1	-0.6
09/14/04	05:00:52	26.49	248.623	255.699	238.42	2.37	112.9	76	48.56	19.877	8.12	-95.3	0.1	-0.4
09/14/04	05:30:52	26.31	249.458	255.703	239.61	2.31	110.3	71	48.7	19.94	8.12	-95.3	0.3	-0.6
09/14/04	06:00:52	27.02	246.207	255.703	235.01	2.3	107.9	71	48.65	19.989	8.12	-95.3	-0.2	-0.6
09/14/04	06:30:52	26.57	248.272	255.699	237.93	2.27	108	71	48.51	19.854	8.12	-95.1	0.2	-0.5
09/14/04	07:00:52	26.54	248.391	255.699	238.09	2.3	109.3	71	48.79	20.02	8.11	-94.7	0.4	-0.6
09/14/04	07:30:52	26.34	249.326	255.703	239.42	2.24	106.9	73	48.92	20.072	8.11	-94.4	2.1	-0.6
09/14/04	08:00:52	27.29	244.974	255.699	233.28	2.17	101.2	71	48.69	20.042	8.11	-94.7	-1	-0.6
09/14/04	08:30:52	27.31	244.9	255.703	233.17	2.18	101.4	70	48.78	20.096	8.1	-94.3	1.8	-0.6
09/14/04	09:00:52	26.34	249.301	255.699	239.39	2.2	105	70	48.94	20.084	8.1	-94.1	-0.2	-0.6
09/14/04	09:30:52	28.15	241.172	255.703	227.96	2.21	100.6	73	48.92	20.262	8.1	-94.2	-0.5	-0.6
09/14/04	10:00:52	27.08	245.947	255.699	234.64	2.22	104	71	48.8	20.08	8.1	-94	-1.1	-0.6
09/14/04	10:30:52	26.3	249.505	255.699	239.68	2.18	104.3	70	48.82	20.009	8.09	-93.7	0.5	-0.5
09/14/04	11:00:52	26.62	248.024	255.703	237.58	2.22	105.4	70	48.88	20.079	8.09	-93.6	0.3	-0.6
09/14/04	11:30:52	28.07	241.519	255.699	228.44	2.27	103.4	70	48.79	20.181	8.09	-93.6	-1.1	-0.7
09/14/04	12:00:52	27.92	242.21	255.703	229.41	2.37	108.3	71	48.79	20.163	8.08	-93.2	-0.4	-0.6
09/14/04	12:30:52	27.53	243.936	255.703	231.82	2.31	106.8	69	48.77	20.109	8.07	-92.7	6.8	-0.6
09/14/04	13:00:52	26.21	249.915	255.699	240.26	2.31	110.5	69	48.67	19.913	8.08	-93	16.7	-0.6
09/14/04	13:30:52	28.2	240.958	255.699	227.66	2.46	112	70	48.79	20.191	8.07	-92.7	25.7	-0.6
09/14/04	14:00:52	26.37	249.19	255.703	239.23	2.4	114.7	70	49.68	20.528	8.08	-92.8	31.1	8.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/14/04	14:30:52	27.64	243.408	255.699	231.08	2.53	116.7	69	48.86	20.174	8.07	-92.5	25.9	-0.7
09/14/04	15:00:52	26.99	246.344	255.703	235.2	2.53	118.8	70	49.02	20.202	8.08	-93.3	55.7	-0.5
09/14/04	15:30:52	26.27	249.663	255.699	239.9	2.46	117.6	71	48.76	19.971	8.09	-93.7	21.5	-0.6
09/14/04	16:00:52	26.35	249.271	255.703	239.34	2.44	116.6	71	48.78	19.995	8.13	-96	80.9	-0.6
09/14/04	16:30:52	26.99	246.344	255.699	235.2	2.36	110.5	71	48.99	20.186	8.12	-95.6	96.5	-0.7
09/14/04	17:00:52	26.91	246.714	255.703	235.72	2.39	112.2	73	48.82	20.078	8.13	-95.9	101.9	-0.6
09/14/04	17:30:52	26.67	247.805	255.703	237.27	2.36	111.8	73	48.79	20.031	8.13	-95.8	112.2	-0.6
09/14/04	18:00:52	27.82	242.625	255.699	229.98	2.4	110.2	73	48.79	20.155	8.12	-95.8	114.7	-0.6
09/14/04	18:30:52	26.48	248.677	255.703	238.5	2.39	113.8	73	48.94	20.1	8.13	-95.6	113.6	-0.7
09/14/04	19:00:52	27.53	243.916	255.699	231.79	2.46	113.9	73	48.64	20.032	8.12	-95.6	130.8	-0.5
09/14/04	19:30:52	26.31	249.454	255.699	239.6	2.51	120.1	71	48.93	20.077	8.12	-95.4	43.6	-0.5
09/14/04	20:00:52	27.96	242.026	255.699	229.15	2.62	119.7	71	48.78	20.162	8.12	-95.5	97.3	-0.5
09/14/04	20:30:52	27.95	242.062	255.699	229.2	2.6	119.1	71	48.04	19.718	8.12	-95.5	90.2	-0.5
09/14/04	21:00:52	27.52	243.936	255.699	231.82	2.6	120.3	73	48.74	20.093	8.12	-95.4	30.5	-0.5
09/14/04	21:30:52	26.47	248.72	255.699	238.56	2.55	121.6	73	48.36	19.757	8.13	-95.6	63.5	-0.5
09/14/04	22:00:52	27.9	242.263	255.695	229.48	2.64	121.1	71	48.5	19.99	8.12	-95.5	48.5	-0.4
09/14/04	22:30:52	28.12	241.323	255.699	228.17	2.6	118.5	71	48.4	19.948	8.12	-95.6	31.9	-0.4
09/14/04	23:00:52	26.36	249.204	255.695	239.25	2.53	120.5	71	48.39	19.766	8.12	-95.2	20.4	-0.2
09/14/04	23:30:52	26.14	250.27	255.699	240.76	2.52	120.9	71	48.58	19.855	8.12	-95.2	6.7	-0.1
09/15/04	00:00:52	27.92	242.203	255.695	229.39	2.58	117.9	71	48.14	19.774	8.11	-95.2	3.3	-0.4
09/15/04	00:30:52	27.2	245.385	255.699	233.85	2.48	115.9	71	48.32	19.81	8.12	-95.3	0	0.2
09/15/04	01:00:52	28.27	240.688	255.699	227.28	2.53	115	71	48.44	19.987	8.12	-95.3	0.2	-0.1
09/15/04	01:30:52	28.11	241.347	255.699	228.2	2.47	112.5	70	49.67	20.707	8.12	-95.4	-0.5	-0
09/15/04	02:00:52	28.21	240.929	255.703	227.62	2.44	110.7	71	48.34	19.924	8.12	-95.5	0.6	-0.4
09/15/04	02:30:52	27.34	244.761	255.699	232.98	2.33	108.2	70	48.26	19.787	8.12	-95.3	-0	0
09/15/04	03:00:52	26.96	246.489	255.703	235.41	2.28	107	70	49.13	20.267	8.12	-95.5	-0.2	-0.4
09/15/04	03:30:52	28.2	240.985	255.699	227.7	2.33	105.9	71	48.49	20.011	8.12	-95.5	-0.7	1
09/15/04	04:00:52	27.91	242.255	255.703	229.47	2.3	105.3	70	48.83	20.186	8.12	-95.5	-1.4	0.9
09/15/04	04:30:52	27.18	245.492	255.699	234	2.22	103.5	70	48.36	19.833	8.12	-95.2	2	0.4
09/15/04	05:00:52	27.21	245.34	255.699	233.79	2.22	103.4	70	48.37	19.841	8.12	-95.4	0.1	1
09/15/04	05:30:52	26.4	249.029	255.699	239	2.15	102.4	70	48.3	19.717	8.13	-95.8	-0.7	1.7
09/15/04	06:00:52	27.73	243.032	255.699	230.55	2.24	102.8	70	47.92	19.628	8.12	-95.7	-0.2	3.4
09/15/04	06:30:52	27.51	244.013	255.699	231.93	2.36	109.3	70	48.46	19.923	8.13	-95.8	2.1	2.7
09/15/04	07:00:52	28.3	240.553	255.703	227.1	2.53	114.9	74	48.88	20.254	8.12	-95.7	-0	0.9
09/15/04	07:30:52	28.32	240.434	255.703	226.93	2.66	120.7	90	48.58	20.076	8.12	-95.7	-0.3	2.6
09/15/04	08:00:52	26.55	248.335	255.703	238.02	2.52	119.7	99	48.82	20.037	8.13	-95.8	-1.1	2.4
09/15/04	08:30:52	28.46	239.851	255.703	226.12	6.51	294.1	99	48.16	19.839	8.13	-96.2	-0.2	1.4
09/15/04	09:00:52	28.4	240.102	255.707	226.47	11.05	500	99	49.36	20.549	8.13	-96.4	-0.7	0.6
09/15/04	09:30:52	28.41	240.102	255.719	226.47	11.05	500	99	48.99	20.332	8.13	-96.4	0.5	6.2
09/15/04	10:00:52	28.17	241.127	255.711	227.9	10.99	500	99	48.75	20.163	8.14	-96.6	-0.8	5.4
09/15/04	10:30:52	28.2	240.957	255.703	227.66	5.14	233.7	99	48.41	19.964	8.14	-96.6	-0.2	0.6
09/15/04	11:00:52	26.84	247.057	255.734	236.21	10.61	500	99	46.81	18.875	8.16	-97.7	0.2	1.3
09/15/04	11:30:52	26.96	246.498	255.703	235.42	9.37	439.9	99	48.9	20.131	8.15	-97	-0.8	1
09/15/04	12:00:52	26.51	248.529	255.707	238.29	5.19	246.7	99	47.31	19.141	8.14	-96.6	0.8	1.9
09/15/04	12:30:52	26.59	248.162	255.707	237.77	4.62	219.2	99	49.03	20.169	8.14	-96.6	3.1	1
09/15/04	13:00:52	26.78	247.298	255.707	236.55	3.94	185.7	99	48.69	19.983	8.14	-96.6	7.8	0.6
09/15/04	13:30:52	27.71	243.129	255.703	230.69	3.78	174.2	99	49.05	20.299	8.14	-96.6	17.6	2.7
09/15/04	14:00:52	26.89	246.809	255.707	235.86	3.99	187.8	99	48.44	19.849	8.14	-96.4	26.1	1
09/15/04	14:30:52	27.67	243.302	255.707	230.93	3.74	172.3	99	48.87	20.186	8.14	-96.5	52.3	3.6
09/15/04	15:00:52	27.44	244.302	255.707	232.33	3.76	174.3	99	48.79	20.113	8.14	-96.7	55.3	7.8
09/15/04	15:30:52	27.71	243.108	255.703	230.66	4.05	186.6	99	47.82	19.564	8.14	-96.7	77.1	0.7
09/15/04	16:00:52	27.94	242.102	255.707	229.25	3.64	166.6	99	50.91	21.427	8.14	-96.6	87	2.5
09/15/04	16:30:52	28.22	240.898	255.703	227.58	3.94	179	99	49.2	20.438	8.14	-96.6	97	-0
09/15/04	17:00:52	28.32	240.47	255.703	226.98	3.83	173.6	99	48.3	19.908	8.14	-96.7	40.7	0.2
09/15/04	17:30:52	27.29	245.002	255.703	233.32	4.83	224.7	99	48.35	19.836	8.14	-96.7	84.3	3.2
09/15/04	18:00:52	28.16	241.124	255.699	227.89	4.91	223.4	99	49.44	20.577	8.14	-96.8	91.3	0.7
09/15/04	18:30:52	28.01	241.802	255.703	228.84	10.94	500	99	49.19	20.409	8.15	-97.1	107.3	2
09/15/04	19:00:52	27.51	243.992	255.707	231.9	4.5	208.2	99	49.57	20.583	8.14	-96.6	61.5	0.3
09/15/04	19:30:52	26.62	248.036	255.707	237.59	3.82	181.1	99	48.76	20.012	8.14	-96.6	67	3.7
09/15/04	20:00:52	27.89	242.327	255.699	229.57	3.7	169.8	99	49.69	20.695	8.14	-96.7	73.8	4.9
09/15/04	20:30:52	27.52	243.972	255.703	231.87	3.51	162.4	99	50.35	21.048	8.14	-96.7	97.3	2.1
09/15/04	21:00:52	27.47	244.164	255.699	232.14	3.5	162	99	48.57	19.988	8.14	-96.6	79.9	0.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/15/04	21:30:52	28.24	240.795	255.699	227.43	3.24	147.4	99	48.92	20.275	8.14	-96.5	54.3	0.2
09/15/04	22:00:52	26.94	246.585	255.699	235.54	2.98	139.9	98	48.68	19.997	8.14	-96.7	53.3	-0.2
09/15/04	22:30:52	28.21	240.942	255.699	227.64	3.06	139	99	49.44	20.582	8.14	-96.7	21.8	0.5
09/15/04	23:00:52	26.88	246.855	255.707	235.92	2.79	131.3	99	50.12	20.843	8.14	-96.7	30.7	0.4
09/15/04	23:30:52	28.14	241.228	255.703	228.03	2.67	121.8	98	48.88	20.241	8.14	-96.9	14.2	2.3
09/16/04	00:00:52	26.7	247.666	255.707	237.07	2.6	123.2	99	48.58	19.915	8.15	-96.9	4.3	7.3
09/16/04	00:30:52	28.07	241.522	255.707	228.44	2.68	122.4	99	47.35	19.318	8.15	-97	0.6	-0.2
09/16/04	01:00:52	26.86	246.93	255.707	236.03	2.36	110.9	99	48.93	20.138	8.15	-97.2	-0.8	0.5
09/16/04	01:30:52	26.68	247.758	255.707	237.2	2.13	100.8	99	48.41	19.809	8.16	-97.3	-0.7	-0.2
09/16/04	02:00:52	28.28	240.652	255.707	227.23	2.15	97.7	99	48.5	20.027	8.15	-97	0.7	-0.2
09/16/04	02:30:52	27.9	242.29	255.711	229.52	2.08	95.4	99	47.35	19.299	8.15	-97	2.3	-0.4
09/16/04	03:00:52	27.53	243.895	255.703	231.76	1.78	82.4	98	48.14	19.737	8.14	-96.9	2.3	-0.3
09/16/04	03:30:52	28.19	241.005	255.703	227.72	1.65	74.8	99	49.48	20.601	8.15	-97	-0.7	-0.2
09/16/04	04:00:52	27.1	245.847	255.703	234.5	1.56	73.1	99	48.4	19.849	8.15	-97.2	-1.1	-0.4
09/16/04	04:30:52	27.63	243.472	255.707	231.17	1.71	79	99	48.55	19.989	8.15	-97	0.7	-0.2
09/16/04	05:00:52	27.98	241.95	255.699	229.04	1.57	71.6	99	47.74	19.542	8.15	-97.2	0.1	0.6
09/16/04	05:30:52	28.32	240.435	255.699	226.93	1.42	64.5	99	48.44	19.993	8.15	-97.2	0.2	-0.4
09/16/04	06:00:52	27.04	246.132	255.703	234.91	1.29	60.4	99	48.58	19.945	8.15	-97	-0	-0.4
09/16/04	06:30:52	27.94	242.09	255.703	229.24	1.12	51.2	99	48.45	19.961	8.15	-97	-0.8	-0.4
09/16/04	07:00:52	28.22	240.906	255.699	227.59	1.27	57.9	99	48.53	20.036	8.14	-97	0.4	-0.4
09/16/04	07:30:52	27.92	242.182	255.707	229.37	1.37	62.9	99	48.9	20.23	8.14	-96.9	-0.2	-0.4
09/16/04	08:00:52	27	246.299	255.699	235.14	1.16	54.4	100	48.86	20.109	8.15	-96.8	-0.2	0.3
09/16/04	08:30:52	27.19	245.418	255.699	233.9	1.26	58.8	99	48.76	20.073	8.15	-96.9	-0	-0.4
09/16/04	09:00:52	27.02	246.191	255.699	234.99	1.2	56.2	99	48.55	19.93	8.14	-96.7	-0.7	-0.4
09/16/04	09:30:52	26.62	248.045	255.699	237.61	1.21	57.2	99	48.69	19.971	8.15	-96.9	0.4	-0.4
09/16/04	10:00:52	26.64	247.931	255.703	237.44	1.15	54.3	99	48.65	19.948	8.15	-96.7	0.9	-0.4
09/16/04	10:30:52	27.49	244.099	255.695	232.05	1.18	54.8	99	48.78	20.113	8.15	-96.9	-0.1	-0.4
09/16/04	11:00:52	26.5	248.581	255.699	238.36	1.12	53.4	99	48.63	19.919	8.15	-96.7	-0.6	-0.4
09/16/04	11:30:52	26.96	246.449	255.688	235.35	1.17	54.9	99	48.64	19.974	8.14	-96.7	0.1	-0.4
09/16/04	12:00:52	25.84	251.641	255.688	242.71	1.06	51.4	99	48.63	19.846	8.14	-96.4	0.7	-0.4
09/16/04	12:30:52	25.96	251.097	255.68	241.94	1.27	61.5	98	48.6	19.844	8.14	-96.4	4.7	-0.4
09/16/04	13:00:52	26.18	250.025	255.672	240.41	0.98	47.2	99	48.57	19.85	8.14	-96.4	13.3	-0.4
09/16/04	13:30:52	25.24	254.49	255.668	246.79	1.08	53.4	99	48.58	19.753	8.15	-96.7	23.5	-0.4
09/16/04	14:00:52	25.05	255.446	255.672	248.17	1.03	51.1	99	48.62	19.754	8.16	-97.3	33.1	-0.3
09/16/04	14:30:52	26.7	247.641	255.668	237.03	1.07	50.7	99	48.56	19.899	8.16	-97.5	45.7	-0.4
09/16/04	15:00:52	26.05	250.642	255.668	241.29	1.2	57.9	98	48.56	19.829	8.17	-98.1	73.2	-0.4
09/16/04	15:30:52	26.72	247.557	255.668	236.92	1.23	58	99	48.58	19.917	8.17	-98.2	91.5	-0.4
09/16/04	16:00:52	25.98	250.978	255.664	241.77	1.17	56.4	99	48.47	19.769	8.17	-97.7	111.4	-0.4
09/16/04	16:30:52	25.46	253.458	255.668	245.31	1.18	57.9	99	48.55	19.759	8.18	-98.3	127.1	-0.3
09/16/04	17:00:52	26.01	250.845	255.664	241.58	1.39	67.2	99	48.46	19.77	8.16	-97.6	143.9	-0.4
09/16/04	17:30:52	24.84	256.459	255.668	249.63	1.42	70.9	99	48.51	19.666	8.18	-98.1	158.3	-0.4
09/16/04	18:00:52	25.95	251.12	255.668	241.97	1.58	76.1	99	48.57	19.824	8.17	-97.9	164.7	-0.4
09/16/04	18:30:52	26.03	250.712	255.664	241.39	1.75	84.4	98	48.61	19.858	8.17	-97.8	168.6	-0.3
09/16/04	19:00:52	25.5	253.226	255.664	244.98	1.48	72.5	99	48.62	19.809	8.17	-98.1	168	-0.4
09/16/04	19:30:52	26.27	249.623	255.676	239.84	1.51	72.2	99	48.67	19.919	8.18	-98.4	160.2	-0.3
09/16/04	20:00:52	27.32	244.823	255.688	233.06	1.58	73.6	99	48.57	19.973	8.17	-98.1	147	-0.3
09/16/04	20:30:52	26.37	249.179	255.691	239.21	1.61	76.6	99	48.84	20.034	8.16	-97.7	138	-0.4
09/16/04	21:00:52	27.42	244.417	255.699	232.49	1.62	75	99	48.74	20.082	8.17	-98.5	118.8	-0.4
09/16/04	21:30:52	26.28	249.59	255.699	239.8	1.52	72.8	99	48.79	19.991	8.17	-98.3	99.4	-0.4
09/16/04	22:00:52	28.15	241.176	255.703	227.96	1.49	67.7	99	48.8	20.194	8.16	-98	75.7	-0.4
09/16/04	22:30:52	25.97	251.056	255.699	241.88	1.34	64.9	99	48.74	19.927	8.16	-97.4	53.8	-0.4
09/16/04	23:00:52	26.11	250.369	255.695	240.9	1.52	73.1	99	48.76	19.958	8.16	-97.2	35.2	-0.4
09/16/04	23:30:52	26.55	248.357	255.695	238.05	1.29	61.3	98	48.61	19.915	8.15	-96.7	17.7	-0.4
09/17/04	00:00:52	27.03	246.162	255.695	234.95	1.44	67.3	99	48.71	20.025	8.14	-96.6	5.3	-0.3
09/17/04	00:30:52	26.44	248.852	255.691	238.75	1.31	62.3	99	48.73	19.975	8.14	-96.6	0.6	-0.2
09/17/04	01:00:52	25.54	253.078	255.688	244.77	1.34	65.6	99	48.65	19.829	8.14	-96.4	-0.2	-0.3
09/17/04	01:30:52	25.75	252.075	255.68	243.34	1.37	66.7	99	48.66	19.854	8.14	-96.5	0.3	-0.4
09/17/04	02:00:52	27.01	246.247	255.68	235.07	1.24	58	99	48.7	20.014	8.14	-96.4	-0.2	-0.3
09/17/04	02:30:52	25.21	254.675	255.68	247.06	0.97	47.7	99	48.65	19.791	8.15	-96.6	-1	-0.3
09/17/04	03:00:52	25.15	254.968	255.676	247.48	1.03	50.7	99	48.55	19.725	8.15	-96.7	0.2	-0.3
09/17/04	03:30:52	27.29	244.972	255.676	233.27	0.92	42.6	99	48.66	20.023	8.14	-96.6	0.5	-0.3
09/17/04	04:00:52	24.86	256.333	255.668	249.44	0.88	44	99	48.54	19.69	8.15	-96.4	-0.2	-0.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/17/04	04:30:52	24.22	259.52	255.652	254.06	0.99	50.2	99	48.63	19.666	8.15	-96.4	-1	-0.2
09/17/04	05:00:52	25.45	253.456	255.648	245.31	0.69	34	99	48.7	19.848	8.15	-97	-3.7	-0.3
09/17/04	05:30:52	24.99	255.682	255.641	248.51	0.78	38.5	98	48.66	19.771	8.15	-96.4	-0.1	-0.3
09/17/04	06:00:52	24.99	255.704	255.648	248.54	0.63	31.6	99	48.65	19.77	8.15	-96.9	0.4	-0.2
09/17/04	06:30:52	25.01	255.623	255.648	248.42	0.57	28.4	99	48.66	19.774	8.15	-96.6	0.6	-0.3
09/17/04	07:00:52	25.79	251.828	255.648	242.98	0.72	34.8	99	48.66	19.865	8.14	-96.4	0.1	-0.3
09/17/04	07:30:52	26.15	250.169	255.641	240.62	0.91	43.9	99	48.66	19.903	8.14	-96.5	-0	-0.3
09/17/04	08:00:52	26.59	248.135	255.648	237.73	0.71	33.8	98	48.77	20.014	8.15	-96.7	-0.3	-0.2
09/17/04	08:30:52	25.58	252.837	255.656	244.42	0.88	43	99	48.69	19.854	8.15	-96.9	-0.5	-0.2
09/17/04	09:00:52	25.02	255.541	255.66	248.3	0.66	32.9	98	48.75	19.829	8.16	-97	-0.2	-0.3
09/17/04	09:30:52	24.98	255.759	255.668	248.62	0.64	31.6	99	48.82	19.865	8.15	-96.9	0.4	-0.3
09/17/04	10:00:52	26.57	248.205	255.66	237.83	0.81	38.3	99	48.68	19.961	8.15	-96.7	0.3	-0.2
09/17/04	10:30:52	26.86	246.909	255.668	236	0.48	22.5	99	48.69	19.996	8.14	-96.4	-0.4	-0.3
09/17/04	11:00:52	24.91	256.122	255.664	249.14	0.56	28	99	48.7	19.784	8.15	-96.7	-0.1	-0.2
09/17/04	11:30:52	25.73	252.129	255.668	243.41	0.39	19.2	99	48.66	19.856	8.15	-96.6	-0.4	-0.2
09/17/04	12:00:52	26.25	249.71	255.664	239.97	0.66	31.5	99	48.64	19.898	8.14	-96.1	1.6	-0.2
09/17/04	12:30:52	26.65	247.843	255.664	237.32	0.58	27.5	99	48.58	19.907	8.14	-96.2	6.8	26
09/17/04	13:00:52	24.66	257.327	255.66	250.88	0.15	7.5	99	48.61	19.704	8.14	-96.1	17.5	-0.2
09/17/04	13:30:52	25.37	253.874	255.652	245.91	0.19	9.2	99	48.54	19.747	8.14	-96.3	30.9	-0.2
09/17/04	14:00:52	25.87	251.476	255.652	242.48	0.03	1.6	99	48.54	19.803	8.16	-97.2	43	-0.2
09/17/04	14:30:52	24.53	257.986	255.652	251.83	0.03	1.7	99	48.54	19.648	8.16	-96.9	57.9	-0.2
09/17/04	15:00:52	26.18	250.015	255.648	240.4	0.02	0.8	99	48.48	19.796	8.15	-96.9	74.6	-0.2
09/17/04	15:30:52	24.23	259.461	255.648	253.97	0.06	3	98	48.54	19.617	8.17	-97.8	92.1	-0.2
09/17/04	16:00:52	26.33	249.294	255.648	239.38	-0.03	-1.4	99	48.51	19.834	8.16	-97.7	110.4	-0.2
09/17/04	16:30:52	26.68	247.722	255.652	237.15	0.05	2.2	99	48.52	19.875	8.16	-97.5	128.3	-0.2
09/17/04	17:00:52	24.36	258.844	255.656	253.08	0.31	15.6	99	48.53	19.625	8.16	-97.2	141.7	-0.2
09/17/04	17:30:52	25.55	252.994	255.66	244.65	0.12	5.9	100	48.62	19.812	8.16	-97.4	135.9	-0.2
09/17/04	18:00:52	24.66	257.358	255.664	250.92	0.35	17.6	99	48.6	19.697	8.17	-97.5	154.7	-0.2
09/17/04	18:30:52	25.91	251.323	255.668	242.26	0.22	10.6	99	48.63	19.856	8.17	-98.1	165.6	-0.2
09/17/04	19:00:52	26.52	248.443	255.68	238.17	-0.02	-1.1	99	48.69	19.961	8.15	-96.9	156.6	-0.2
09/17/04	19:30:52	27.33	244.796	255.676	233.03	0.09	4.2	99	48.71	20.055	8.16	-97.6	168.2	-0.2
09/17/04	20:00:52	26.56	248.287	255.68	237.95	0.22	10.6	99	48.74	19.994	8.16	-97.7	140.9	-0.2
09/17/04	20:30:52	27.67	243.256	255.684	230.87	0.36	16.6	99	48.81	20.152	8.16	-97.8	132.4	-0.2
09/17/04	21:00:52	25.85	251.614	255.691	242.68	0.3	14.5	99	48.83	19.967	8.17	-97.7	113.6	-0.2
09/17/04	21:30:52	27.96	242.007	255.695	229.12	0.22	9.9	99	48.84	20.198	8.17	-98.4	90.7	-0.2
09/17/04	22:00:52	27.63	243.469	255.699	231.16	0.13	6	99	48.91	20.205	8.16	-97.7	76.1	-0.2
09/17/04	22:30:52	26.84	247.018	255.699	236.15	0.13	6	99	48.91	20.121	8.15	-97.2	55	-0.2
09/17/04	23:00:52	28.28	240.628	255.703	227.2	0.24	10.8	99	48.95	20.297	8.14	-96.6	35.3	-0.2
09/17/04	23:30:52	27.23	245.253	255.707	233.67	0.15	7.2	100	48.95	20.188	8.13	-96.1	17	-0
09/18/04	00:00:52	26.62	248.036	255.703	237.59	0.45	21.4	99	48.94	20.114	8.13	-95.6	4.5	-0.2
09/18/04	00:30:52	27.36	244.686	255.707	232.87	0.49	22.9	99	48.95	20.199	8.13	-95.7	-0.2	-0.2
09/18/04	01:00:52	26.36	249.241	255.703	239.3	0.46	22	99	48.93	20.083	8.13	-95.8	0.4	-0.1
09/18/04	01:30:52	26.07	250.569	255.703	241.19	0.36	17.5	98	48.94	20.059	8.13	-95.8	0.3	-0.1
09/18/04	02:00:52	26.34	249.309	255.703	239.4	0.27	13.1	99	48.95	20.094	8.13	-95.9	-1	-0.1
09/18/04	02:30:52	26.29	249.573	255.703	239.77	0.32	15.3	99	48.94	20.081	8.13	-95.9	-0.8	-0.1
09/18/04	03:00:52	27.25	245.146	255.703	233.52	0.36	16.8	99	48.94	20.183	8.12	-95.6	0.3	-0.1
09/18/04	03:30:52	28.22	240.902	255.703	227.58	0.2	9	98	48.89	20.25	8.12	-95.3	0.6	-0
09/18/04	04:00:52	26.45	248.813	255.703	238.69	0.43	20.3	99	48.89	20.069	8.13	-95.9	0.3	-0.1
09/18/04	04:30:52	26.63	247.99	255.707	237.53	0.16	7.8	99	48.89	20.09	8.13	-96.1	-1.4	-0.1
09/18/04	05:00:52	26.43	248.889	255.707	238.8	0.35	16.6	99	48.86	20.048	8.13	-96	-0	-0.1
09/18/04	05:30:52	28.41	240.086	255.711	226.45	-0.04	-1.7	99	48.88	20.265	8.12	-95.8	-0.3	-0
09/18/04	06:00:52	28.23	240.853	255.711	227.51	0.51	23.1	99	48.87	20.242	8.12	-95.8	-0	-0
09/18/04	06:30:52	28.45	239.909	255.707	226.2	0.1	4.4	99	48.84	20.244	8.12	-95.5	-0.2	0
09/18/04	07:00:52	26.2	249.982	255.711	240.35	0.03	1.6	99	48.87	20.03	8.13	-95.9	-0	0
09/18/04	07:30:52	28.14	241.239	255.707	228.05	0.38	17.4	99	48.85	20.223	8.12	-95.6	-0.1	0.1
09/18/04	08:00:52	26.53	248.445	255.707	238.17	0.02	1	99	48.82	20.037	8.12	-95.4	-0.4	0.3
09/18/04	08:30:52	27.17	245.557	255.715	234.09	0.18	8.5	99	48.82	20.105	8.11	-95	2.6	0.4
09/18/04	09:00:52	26.53	248.461	255.707	238.2	0.21	10.1	99	48.81	20.027	8.13	-95.6	0.5	0.7
09/18/04	09:30:52	26.46	248.774	255.707	238.64	0.25	11.8	99	48.77	19.997	8.13	-95.5	0.1	0.9
09/18/04	10:00:52	27.24	245.228	255.711	233.63	0.04	2	100	48.78	20.085	8.12	-95.2	-1.4	1.8
09/18/04	10:30:52	28.08	241.498	255.707	228.41	-0.01	-0.5	99	48.75	20.153	8.11	-95	-0	1.7
09/18/04	11:00:52	28.32	240.458	255.707	226.96	0.17	7.8	99	48.71	20.153	8.12	-95.3	-0.4	2.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/18/04	11:30:52	27.14	245.656	255.711	234.23	0.11	5.2	99	48.64	19.993	8.12	-95.6	-0.5	3.7
09/18/04	12:00:52	26.34	249.313	255.707	239.4	0.03	1.4	99	48.61	19.893	8.13	-95.5	1.2	4.5
09/18/04	12:30:52	27.2	245.397	255.707	233.87	0.12	5.6	99	48.58	19.961	8.13	-95.8	7.9	5.7
09/18/04	13:00:52	26.96	246.46	255.707	235.37	0.01	0.6	99	48.52	19.906	8.13	-96.1	18.3	6.2
09/18/04	13:30:52	26.37	249.173	255.707	239.2	-0.14	-6.8	99	48.51	19.838	8.15	-96.7	34.2	7.9
09/18/04	14:00:52	27.97	241.99	255.707	229.1	0.05	2.3	98	48.45	19.962	8.15	-97.2	50.2	8.7
09/18/04	14:30:52	28.1	241.434	255.711	228.32	0.04	1.9	99	48.41	19.954	8.15	-97.2	67.7	7.5
09/18/04	15:00:52	26.71	247.645	255.711	237.04	0.08	3.6	98	48.4	19.808	8.16	-97.4	79.5	8.2
09/18/04	15:30:52	27.3	244.944	255.711	233.23	0.39	18.3	99	48.37	19.847	8.18	-98.6	102.5	9.7
09/18/04	16:00:52	27.4	244.502	255.715	232.61	0.07	3.2	99	48.36	19.855	8.15	-97.4	128.5	11.9
09/18/04	16:30:52	27.9	242.314	255.715	229.55	-0.13	-5.8	98	48.34	19.891	8.15	-97.5	150.5	14
09/18/04	17:00:52	28.02	241.777	255.715	228.8	0.01	0.4	99	48.37	19.919	8.14	-96.7	152.9	13.3
09/18/04	17:30:52	26.99	246.334	255.719	235.19	0.01	0.6	99	48.39	19.829	8.15	-97.2	165.7	12.5
09/18/04	18:00:52	27.61	243.569	255.715	231.3	-0.08	-3.8	99	48.41	19.903	8.15	-97.2	170.2	10.8
09/18/04	18:30:52	26.48	248.689	255.715	238.52	-0.01	-0.6	99	48.45	19.809	8.15	-97	172	8.2
09/18/04	19:00:52	27.96	242.041	255.715	229.17	0.05	2.5	100	48.48	19.984	8.14	-96.7	166.7	5.1
09/18/04	19:30:52	26.94	246.584	255.715	235.54	-0.08	-3.7	99	48.52	19.902	8.16	-97.4	179.9	5
09/18/04	20:00:52	26.26	249.704	255.711	239.96	-0.1	-5	99	48.58	19.862	8.16	-97.3	169.6	3.4
09/18/04	20:30:52	27.12	245.784	255.715	234.41	-0.08	-3.5	99	48.62	19.98	8.17	-98.3	60.6	3.4
09/18/04	21:00:52	27.37	244.645	255.715	232.81	-0.05	-2.2	99	48.68	20.043	8.18	-98.9	118.3	3.1
09/18/04	21:30:52	28.36	240.307	255.711	226.75	-0.05	-2.4	99	48.73	20.171	8.16	-98.1	105.9	3.5
09/18/04	22:00:52	28.03	241.737	255.711	228.75	0.1	4.4	99	48.78	20.167	8.15	-97.4	82.8	2.2
09/18/04	22:30:52	26.73	247.524	255.707	236.87	0.02	1	99	48.83	20.066	8.16	-97.5	57	2
09/18/04	23:00:52	28.26	240.731	255.711	227.34	0.14	6.6	98	48.86	20.237	8.13	-96.3	36.7	2.8
09/18/04	23:30:52	27.24	245.236	255.711	233.64	0.19	8.9	98	48.93	20.175	8.12	-95.3	18.1	2.5
09/19/04	00:00:52	26.37	249.185	255.707	239.22	0.3	14.3	99	48.95	20.094	8.11	-94.5	4	1.8
09/19/04	00:30:52	28.39	240.157	255.711	226.55	0.39	17.5	99	48.98	20.324	8.09	-94.1	-0.1	1.3
09/19/04	01:00:52	27.85	242.499	255.711	229.81	0.52	24.1	99	49	20.279	8.07	-92.5	0.4	3.4
09/19/04	01:30:52	26.69	247.717	255.703	237.14	0.87	40.9	99	49.01	20.164	8.05	-91.3	-0.1	1.7
09/19/04	02:00:52	26.43	248.923	255.703	238.85	0.75	35.7	94	49.03	20.15	8.04	-90.8	0.3	1.6
09/19/04	02:30:52	26.33	249.381	255.703	239.5	0.71	34.1	96	49.05	20.151	8.03	-90.3	1.8	1.8
09/19/04	03:00:52	26.89	246.805	255.703	235.85	0.94	44.2	90	49.04	20.205	8.01	-89.2	-0.3	1.3
09/19/04	03:30:52	26.48	248.698	255.707	238.53	0.88	42	95	49.03	20.156	8	-88.3	-0.2	0.9
09/19/04	04:00:52	27.68	243.25	255.707	230.86	1.32	60.6	92	49.02	20.275	7.99	-87.8	-0.4	0.9
09/19/04	04:30:52	28.29	240.604	255.707	227.17	1.26	57	98	49.02	20.338	7.99	-88.1	-0.2	0.9
09/19/04	05:00:52	28.29	240.588	255.711	227.14	0.93	42.4	95	49.02	20.335	8.01	-89.5	-0.3	1
09/19/04	05:30:52	26.39	249.079	255.711	239.07	1.07	51.2	86	49	20.13	8.01	-89.1	0.5	1
09/19/04	06:00:52	27.83	242.592	255.711	229.94	0.95	43.7	83	48.99	20.273	8.03	-90.2	0.2	1.4
09/19/04	06:30:52	26.31	249.458	255.707	239.61	0.98	47.1	84	48.99	20.111	8.02	-89.3	-0	1.6
09/19/04	07:00:52	26.3	249.526	255.707	239.7	0.82	39.4	88	48.98	20.107	8.02	-89.5	0.6	1.4
09/19/04	07:30:52	26.42	248.956	255.707	238.9	1.04	49.8	84	48.97	20.115	7.99	-87.8	-0.9	1.4
09/19/04	08:00:52	27.32	244.846	255.707	233.1	1.38	64	77	48.96	20.2	7.97	-87.1	0.2	0.9
09/19/04	08:30:52	28.42	240.02	255.707	226.35	1.54	69.7	83	48.93	20.296	7.96	-86.7	-0.4	1.3
09/19/04	09:00:52	28.42	240.016	255.707	226.35	1.73	78.4	76	48.9	20.282	7.94	-85.5	0.8	1.1
09/19/04	09:30:52	27.14	245.681	255.707	234.27	1.32	61.9	74	48.88	20.134	8.04	-90.9	-0.1	1.5
09/19/04	10:00:52	26.35	249.275	255.707	239.35	0.95	45.6	80	48.86	20.039	8.08	-93.2	1.2	2
09/19/04	10:30:52	27.49	244.094	255.707	232.04	0.88	40.6	80	48.82	20.136	8.07	-92.6	-0.4	1.4
09/19/04	11:00:52	28.27	240.671	255.707	227.26	0.9	41	76	48.77	20.187	8.07	-93	-0.1	1.7
09/19/04	11:30:52	28.4	240.13	255.707	226.51	0.76	34.5	73	48.73	20.174	8.07	-92.6	-0.2	1.5
09/19/04	12:00:52	27.73	243.023	255.707	230.54	0.77	35.6	76	48.7	20.089	8.07	-92.5	1	1.5
09/19/04	12:30:52	27.45	244.281	255.711	232.3	0.66	30.6	74	48.62	20.016	8.07	-92.5	7	1.4
09/19/04	13:00:52	27.57	243.756	255.711	231.57	0.65	29.9	76	48.58	20	8.07	-92.9	17.9	1.7
09/19/04	13:30:52	26.47	248.744	255.711	238.6	0.53	25	76	48.51	19.848	8.1	-94.1	41.3	2.2
09/19/04	14:00:52	27.73	243.051	255.711	230.58	0.39	18.1	71	48.47	19.951	8.12	-95.3	53.2	3.2
09/19/04	14:30:52	26.36	249.244	255.711	239.31	0.23	11.1	74	48.43	19.785	8.17	-98.1	69.6	1.8
09/19/04	15:00:52	27.33	244.838	255.711	233.08	0.2	9.3	74	48.38	19.855	8.17	-98	73.7	2.7
09/19/04	15:30:52	26.38	249.146	255.715	239.17	0.03	1.6	69	48.33	19.733	8.17	-98	88.7	2.9
09/19/04	16:00:52	28.18	241.056	255.711	227.8	-0.03	-1.3	71	48.3	19.898	8.2	-100.2	129.3	1.6
09/19/04	16:30:52	26.91	246.7	255.715	235.71	-0.12	-5.6	73	48.28	19.753	8.19	-99.2	147.4	2.5
09/19/04	17:00:52	27.08	245.924	255.715	234.61	-0.16	-7.4	76	48.25	19.755	8.19	-99.6	160	1.5
09/19/04	17:30:52	28.2	240.988	255.715	227.7	-0.13	-5.9	86	48.24	19.863	8.18	-99.2	171	1.1
09/19/04	18:00:52	27.69	243.237	255.715	230.84	-0.29	-13.2	76	48.25	19.814	8.2	-100.3	186.4	1.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/19/04	18:30:52	26.29	249.567	255.719	239.76	-0.32	-15.2	76	48.27	19.684	8.21	-100.5	178.9	1.3
09/19/04	19:00:52	27.22	245.297	255.715	233.73	-0.32	-14.9	74	48.29	19.793	8.19	-99.4	144.3	1.2
09/19/04	19:30:52	26.99	246.372	255.715	235.24	-0.22	-10.1	71	48.32	19.79	8.18	-99	57	1.1
09/19/04	20:00:52	27.44	244.338	255.719	232.38	-0.27	-12.5	71	48.36	19.855	8.17	-98.5	154.3	0.9
09/19/04	20:30:52	26.64	247.971	255.719	237.5	-0.41	-19.2	70	48.41	19.801	8.2	-99.9	135.6	0.9
09/19/04	21:00:52	27.53	243.922	255.719	231.8	-0.27	-12.4	76	48.46	19.927	8.21	-100.6	116.7	0.8
09/19/04	21:30:52	27.55	243.821	255.719	231.66	-0.23	-10.5	69	48.52	19.962	8.21	-100.5	97	0.7
09/19/04	22:00:52	27.87	242.438	255.715	229.72	-0.11	-4.9	73	48.57	20.028	8.2	-100	75.1	0.6
09/19/04	22:30:52	26.95	246.534	255.715	235.47	0.08	3.9	69	48.64	19.976	8.15	-97	52	0.6
09/19/04	23:00:52	27.93	242.173	255.715	229.35	0.12	5.7	67	48.71	20.113	8.14	-96.4	30.3	0.5
09/19/04	23:30:52	27.01	246.252	255.711	235.07	0.37	17.4	64	48.76	20.053	8.11	-94.6	15.3	0.6
09/20/04	00:00:52	27.26	245.133	255.711	233.5	0.54	25.3	63	48.82	20.113	8.09	-93.8	4.4	0.6
09/20/04	00:30:52	26.68	247.762	255.711	237.21	0.55	26.1	63	48.88	20.087	8.08	-92.8	0.3	0.5
09/20/04	01:00:52	28.43	240.004	255.711	226.33	0.61	27.8	62	48.92	20.292	8.08	-93.3	0.8	0.5
09/20/04	01:30:52	28.25	240.754	255.711	227.38	0.6	27.1	62	48.97	20.302	8.08	-93.2	-0.1	0.6
09/20/04	02:00:52	28.57	239.375	255.711	225.46	0.68	30.4	62	48.98	20.343	8.07	-92.7	-0.2	0.6
09/20/04	02:30:52	28.09	241.482	255.711	228.39	0.8	36.7	62	49.03	20.321	8.06	-92.3	-0.3	0.6
09/20/04	03:00:52	26.42	248.964	255.711	238.91	0.86	41	62	49.05	20.159	8.06	-91.9	0.4	0.5
09/20/04	03:30:52	26.4	249.045	255.707	239.02	1.02	48.9	62	49.07	20.169	8.05	-91.3	-0.1	0.6
09/20/04	04:00:52	28.56	239.426	255.711	225.53	1.16	52.4	61	49.08	20.399	8.02	-90.1	0.2	0.7
09/20/04	04:30:52	27.62	243.501	255.707	231.21	1.3	60	62	49.08	20.306	8.02	-90	0.3	0.7
09/20/04	05:00:52	27.15	245.644	255.711	234.22	1.29	60.3	62	49.1	20.266	8.06	-91.8	0.1	0.4
09/20/04	05:30:52	26.64	247.951	255.711	237.47	1.16	54.7	64	49.09	20.209	8.11	-94.5	0.4	0.6
09/20/04	06:00:52	26.75	247.435	255.715	236.74	1.15	54.1	65	49.08	20.214	8.1	-93.9	-0.1	0.4
09/20/04	06:30:52	28.45	239.909	255.715	226.2	0.95	43.1	65	49.08	20.39	8.12	-95.6	0.2	0.6
09/20/04	07:00:52	27.74	243.019	255.715	230.53	0.97	44.5	65	49.07	20.311	8.13	-95.8	0.2	0.8
09/20/04	07:30:52	27.71	243.139	255.719	230.7	0.97	44.7	64	49.05	20.296	8.1	-94.6	0.4	1.1
09/20/04	08:00:52	28.02	241.769	255.719	228.79	1.02	46.8	64	49.03	20.316	8.11	-94.7	0.9	1
09/20/04	08:30:52	27.58	243.703	255.719	231.49	1	46.4	65	49.01	20.258	8.12	-95.3	0.4	1.2
09/20/04	09:00:52	27.43	244.375	255.711	232.43	1.03	47.7	65	48.98	20.223	8.12	-95.2	0.5	1.2
09/20/04	09:30:52	26.66	247.867	255.711	237.35	0.99	46.9	64	48.95	20.127	8.12	-95.3	0.9	1.1
09/20/04	10:00:52	27.7	243.164	255.715	230.74	1.03	47.4	64	48.92	20.217	8.11	-95	0.3	1.3
09/20/04	10:30:52	28.44	239.944	255.715	226.25	1.05	47.5	64	48.89	20.276	8.12	-95.5	-0.6	0.9
09/20/04	11:00:52	27.72	243.075	255.715	230.61	1.05	48.1	64	48.85	20.179	8.12	-95.5	0.6	1
09/20/04	11:30:52	27.74	243.007	255.711	230.52	1.06	48.6	63	48.82	20.159	8.11	-95.2	0.5	0.8
09/20/04	12:00:52	27.83	242.612	255.711	229.97	0.99	45.6	64	48.77	20.141	8.12	-95.5	1.4	0.9
09/20/04	12:30:52	27.5	244.065	255.715	232	0.94	43.7	63	48.73	20.083	8.12	-95.5	9.2	1
09/20/04	13:00:52	27.46	244.237	255.711	232.24	0.91	42.2	64	48.66	20.041	8.12	-95.6	22.3	1
09/20/04	13:30:52	27.56	243.801	255.715	231.63	0.87	40.3	64	48.62	20.021	8.14	-96.7	45.8	1
09/20/04	14:00:52	27.35	244.743	255.715	232.95	0.87	40.3	64	48.58	19.98	8.13	-95.8	28.6	1.1
09/20/04	14:30:52	27.58	243.691	255.715	231.48	0.81	37.4	64	48.52	19.969	8.14	-96.9	53.9	1.1
09/20/04	15:00:52	27.52	243.967	255.715	231.86	0.67	30.9	65	48.47	19.931	8.15	-97.4	98.5	1.4
09/20/04	15:30:52	27.29	245.001	255.719	233.31	0.78	36.2	64	48.42	19.881	8.15	-97	116.4	1.4
09/20/04	16:00:52	27.63	243.488	255.715	231.19	0.66	30.6	64	48.37	19.881	8.16	-97.6	136.2	1.5
09/20/04	16:30:52	27.59	243.683	255.715	231.46	0.9	41.8	64	48.32	19.85	8.15	-97	145.8	1.7
09/20/04	17:00:52	27.75	242.974	255.719	230.47	0.58	26.6	65	48.29	19.849	8.15	-97.1	168.1	1.5
09/20/04	17:30:52	27.51	244	255.719	231.91	0.66	30.5	65	48.27	19.812	8.15	-97.2	170.7	1.8
09/20/04	18:00:52	27.39	244.542	255.719	232.67	0.83	38.7	65	48.25	19.789	8.14	-96.6	156.1	2.1
09/20/04	18:30:52	28.6	239.273	255.715	225.32	0.85	38.4	65	48.23	19.897	8.14	-96.6	178.8	2
09/20/04	19:00:52	27.61	243.569	255.719	231.3	0.84	38.7	63	48.23	19.799	8.14	-96.7	172.3	2.2
09/20/04	19:30:52	27.51	244.024	255.719	231.94	0.71	32.8	64	48.25	19.798	8.14	-96.7	164.7	2.5
09/20/04	20:00:52	27.55	243.833	255.719	231.67	0.76	35.1	63	48.28	19.823	8.15	-97.4	156	2.5
09/20/04	20:30:52	27.28	245.03	255.719	233.35	0.78	36.1	63	48.32	19.815	8.15	-97.2	140.1	2.9
09/20/04	21:00:52	26.79	247.271	255.719	236.51	0.69	32.8	63	48.35	19.787	8.15	-97.2	127.7	3.6
09/20/04	21:30:52	27.57	243.768	255.715	231.58	0.87	40.3	62	48.4	19.896	8.15	-97	97.8	4.1
09/20/04	22:00:52	27.58	243.687	255.715	231.47	1.03	47.7	61	48.46	19.932	8.12	-95.5	32.9	5
09/20/04	22:30:52	27.48	244.147	255.711	232.11	1.19	55.2	61	48.52	19.958	8.13	-95.8	45.1	7.2
09/20/04	23:00:52	27.41	244.437	255.711	232.52	1.32	61.1	61	48.6	19.996	8.12	-95.2	29.3	9.8
09/20/04	23:30:52	26.73	247.511	255.711	236.85	1.53	72.3	61	48.67	19.966	8.11	-94.6	14.3	8.4
09/21/04	00:00:52	28.45	239.898	255.707	226.19	1.67	75.4	60	48.72	20.177	8.1	-94.5	3	9.4
09/21/04	00:30:52	27.23	245.244	255.711	233.66	1.73	80.8	60	48.79	20.09	8.1	-94.4	0.6	7.6
09/21/04	01:00:52	27.61	243.569	255.711	231.31	1.74	80.3	59	48.85	20.166	8.1	-94.1	0.8	7.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/21/04	01:30:52	27.63	243.464	255.711	231.16	1.84	85	60	48.91	20.206	8.1	-94.2	2.2	6.4
09/21/04	02:00:52	27.36	244.662	255.711	232.84	1.88	87.4	60	48.96	20.205	8.1	-94.3	0	8.9
09/21/04	02:30:52	26.5	248.58	255.707	238.36	1.97	93.7	60	49.01	20.146	8.1	-94.2	-0.1	6.1
09/21/04	03:00:52	27.24	245.22	255.707	233.62	1.92	89.6	60	49.05	20.25	8.1	-94.5	0.4	18
09/21/04	03:30:52	27.33	244.818	255.703	233.06	1.84	85.7	60	49.1	20.285	8.11	-94.6	0.3	11.8
09/21/04	04:00:52	27.3	244.941	255.703	233.23	1.92	89.3	60	49.11	20.292	8.1	-94.4	0.3	11.6
09/21/04	04:30:52	27.38	244.605	255.703	232.76	1.96	90.8	60	49.14	20.315	8.1	-94.3	0.5	12.5
09/21/04	05:00:52	26.71	247.612	255.707	236.99	1.86	88	61	49.13	20.24	8.12	-95.5	0.7	3.2
09/21/04	05:30:52	26.58	248.204	255.711	237.83	1.79	84.7	61	49.11	20.214	8.12	-95.5	0.6	12.8
09/21/04	06:00:52	27.5	244.066	255.707	232	1.85	85.8	61	49.15	20.334	8.12	-95.4	-0.1	16.7
09/21/04	06:30:52	27.36	244.658	255.703	232.83	1.94	90.2	61	49.2	20.35	8.11	-95.1	0.3	15.8
09/21/04	07:00:52	27.2	245.393	255.703	233.86	1.95	90.8	60	49.15	20.304	8.11	-94.8	0	12.8
09/21/04	07:30:52	27.19	245.426	255.703	233.91	2.04	95	61	49.04	20.24	8.11	-95.1	0.6	12.5
09/21/04	08:00:52	26.62	248.049	255.703	237.61	1.9	90.1	61	49.05	20.181	8.12	-95.3	-0.1	11.5
09/21/04	08:30:52	27.22	245.303	255.699	233.74	2	93.1	61	49.1	20.277	8.11	-95	-0.3	13.8
09/21/04	09:00:52	26.62	248.041	255.699	237.6	2.2	104	61	49	20.152	8.12	-95	0.7	16.1
09/21/04	09:30:52	28.18	241.065	255.699	227.81	2.07	94.3	60	48.98	20.303	8.12	-95.3	0.8	13.6
09/21/04	10:00:52	27.22	245.327	255.707	233.77	2.02	94.4	60	49.01	20.224	8.12	-95.5	-0.9	18.5
09/21/04	10:30:52	27.4	244.503	255.703	232.61	2.11	97.9	61	48.97	20.218	8.12	-95.5	-0.5	7.6
09/21/04	11:00:52	27.4	244.499	255.703	232.61	2.13	98.8	61	49.02	20.245	8.13	-95.8	0.1	13.1
09/21/04	11:30:52	27.32	244.838	255.707	233.08	2.04	95	61	48.92	20.182	8.13	-95.7	-0.8	14
09/21/04	12:00:52	27.9	242.303	255.703	229.53	2.11	96.6	61	48.87	20.209	8.12	-95.8	-0.9	13
09/21/04	12:30:52	27.32	244.859	255.703	233.11	2.21	102.8	61	48.88	20.154	8.12	-95.5	8.1	10.9
09/21/04	13:00:52	27.27	245.072	255.703	233.41	2.19	102.1	61	48.83	20.12	8.12	-95.5	15.7	11.9
09/21/04	13:30:52	27.32	244.851	255.703	233.1	2.26	104.9	61	48.68	20.035	8.12	-95.4	32.4	13.8
09/21/04	14:00:52	26.79	247.235	255.707	236.46	2.26	106.8	61	48.59	19.93	8.12	-95.5	50.6	11.7
09/21/04	14:30:52	27.42	244.396	255.707	232.46	2.42	112.1	62	48.75	20.087	8.12	-95.5	70.4	11.3
09/21/04	15:00:52	27.28	245.015	255.703	233.33	2.42	112.7	62	48.51	19.934	8.13	-96.1	87.4	19.7
09/21/04	15:30:52	27.24	245.22	255.703	233.62	2.55	118.8	62	48.43	19.88	8.12	-95.6	106.2	16.2
09/21/04	16:00:52	26.32	249.411	255.703	239.54	2.68	128.3	62	48.44	19.789	8.13	-95.7	128.9	17.2
09/21/04	16:30:52	27	246.294	255.703	235.13	2.84	133.1	62	48.34	19.799	8.12	-95.1	56.7	11.2
09/21/04	17:00:52	27.14	245.678	255.703	234.26	2.9	135.7	62	48.27	19.774	8.13	-95.7	164.1	23.3
09/21/04	17:30:52	27.15	245.616	255.703	234.18	2.93	137	63	48.44	19.875	8.12	-95.2	169.9	14.8
09/21/04	18:00:52	28.19	241.005	255.695	227.73	3.16	143.6	63	48.33	19.914	8.11	-95	166.4	10.8
09/21/04	18:30:52	27.7	243.153	255.699	230.72	3.12	143.5	63	48.08	19.72	8.11	-95	166.6	16.7
09/21/04	19:00:52	27.02	246.22	255.699	235.03	3.26	152.6	63	48.13	19.68	8.12	-95.1	161.2	16.9
09/21/04	19:30:52	27.14	245.649	255.699	234.22	3.35	156.6	63	48.18	19.722	8.12	-95.2	142.8	16.9
09/21/04	20:00:52	26.63	247.974	255.699	237.5	3.35	158.5	63	48.17	19.664	8.12	-95.2	144.3	16.8
09/21/04	20:30:52	27.07	245.959	255.699	234.66	3.43	160.3	63	48.19	19.719	8.11	-95	44.2	15
09/21/04	21:00:52	26.8	247.198	255.699	236.41	3.29	155.1	64	48.06	19.613	8.11	-94.9	115.3	16.4
09/21/04	21:30:52	26.32	249.404	255.691	239.53	3.18	151.8	64	48.38	19.756	8.12	-95.2	87.9	20.6
09/21/04	22:00:52	26.66	247.844	255.695	237.32	3.31	156.8	63	48.35	19.771	8.11	-95	29.8	16.1
09/21/04	22:30:52	26.21	249.902	255.695	240.24	3.3	158	63	48.37	19.733	8.12	-95.1	43	19.2
09/21/04	23:00:52	27.03	246.15	255.691	234.93	3.28	153.8	63	48.44	19.863	8.11	-94.9	27.6	19.9
09/21/04	23:30:52	27.01	246.237	255.695	235.05	3.32	155.8	63	48.48	19.883	8.11	-94.7	11.9	16.3
09/22/04	00:00:52	26.83	247.053	255.691	236.2	3.27	153.9	62	48.67	19.98	8.11	-94.7	2.3	23.2
09/22/04	00:30:52	27.04	246.121	255.691	234.89	3.34	156.3	63	48.65	19.991	8.11	-94.7	-0.4	19.7
09/22/04	01:00:52	27.18	245.456	255.691	233.95	3.34	155.8	62	48.72	20.046	8.1	-94.3	-2.3	28
09/22/04	01:30:52	26.82	247.116	255.688	236.29	3.28	154.5	62	48.77	20.036	8.11	-94.6	-0.8	26.7
09/22/04	02:00:52	26.03	250.734	255.688	241.42	3.25	156.7	62	48.96	20.065	8.11	-94.7	0.1	16.2
09/22/04	02:30:52	26.76	247.395	255.691	236.69	3.26	153.9	63	48.96	20.145	8.12	-95	-0.6	21.4
09/22/04	03:00:52	26.91	246.69	255.691	235.69	3.27	153.6	63	49.06	20.22	8.12	-95.3	-1.6	21.4
09/22/04	03:30:52	27.7	243.158	255.695	230.73	3.34	153.7	62	49.17	20.365	8.12	-95.5	0.4	17.8
09/22/04	04:00:52	27.99	241.903	255.695	228.98	3.34	152.7	62	49.15	20.385	8.12	-95.5	-0.2	20.8
09/22/04	04:30:52	27.13	245.695	255.695	234.29	3.18	148.8	63	49.18	20.316	8.12	-95.5	0	21.9
09/22/04	05:00:52	26.41	249.013	255.695	238.98	3.12	148.7	62	49.34	20.333	8.12	-95.4	-0.9	21.4
09/22/04	05:30:52	26.97	246.403	255.695	235.29	3.16	148.3	63	49.32	20.38	8.12	-95.5	0.1	18
09/22/04	06:00:52	26.94	246.536	255.691	235.47	3.2	150.4	62	49.27	20.345	8.12	-95.3	-1	21.3
09/22/04	06:30:52	27.25	245.151	255.691	233.52	3.23	150.6	62	49.15	20.307	8.12	-95.6	-0.5	20.8
09/22/04	07:00:52	27.11	245.773	255.695	234.4	3.23	150.9	62	49.37	20.423	8.13	-95.7	-1.3	20.2
09/22/04	07:30:52	27.14	245.661	255.699	234.24	3.29	153.6	62	49.31	20.393	8.12	-95.6	0	15.6
09/22/04	08:00:52	27.17	245.53	255.695	234.06	3.26	152.2	62	49.3	20.39	8.12	-95.6	-0.6	17.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/22/04	08:30:52	27.57	243.729	255.695	231.53	3.22	148.6	62	49.19	20.365	8.13	-95.8	0.5	18.3
09/22/04	09:00:52	27.13	245.682	255.695	234.27	3.17	148	62	49.33	20.402	8.13	-95.7	-0.5	19.2
09/22/04	09:30:52	26.73	247.503	255.699	236.84	3.13	148	63	49.13	20.24	8.13	-95.7	-0.1	14.9
09/22/04	10:00:52	27.13	245.715	255.695	234.32	3.11	145.4	62	48.28	19.777	8.13	-95.7	0.5	10
09/22/04	10:30:52	27.27	245.052	255.695	233.39	3.15	146.8	62	49.35	20.429	8.13	-95.7	-0.3	11.9
09/22/04	11:00:52	27.19	245.422	255.699	233.91	3.08	143.5	62	48.99	20.205	8.12	-95.6	-0.4	12.3
09/22/04	11:30:52	27.08	245.926	255.695	234.61	3.08	144.3	63	49.06	20.237	8.13	-95.7	0.3	16.6
09/22/04	12:00:52	27.05	246.046	255.699	234.78	3.09	144.5	62	49.02	20.212	8.12	-95.6	-0.5	12.6
09/22/04	12:30:52	26.63	247.987	255.695	237.52	3.05	144.3	62	49.62	20.519	8.12	-95.5	8.3	14.9
09/22/04	13:00:52	26.82	247.123	255.695	236.3	3.1	146.1	62	48.79	20.05	8.12	-95.5	17.5	15
09/22/04	13:30:52	26.48	248.649	255.695	238.46	3.18	151.4	63	48.86	20.057	8.12	-95.5	41.6	17.1
09/22/04	14:00:52	27.05	246.063	255.695	234.81	3.34	156.4	62	48.76	20.059	8.12	-95.4	35.4	15.8
09/22/04	14:30:52	27.1	245.835	255.695	234.49	3.29	154	62	49.6	20.559	8.12	-95.3	38.2	14.5
09/22/04	15:00:52	27.09	245.897	255.695	234.57	3.37	157.5	63	48.83	20.103	8.12	-95.3	25.4	14.6
09/22/04	15:30:52	27.06	246.038	255.695	234.77	3.59	168.1	63	48.81	20.083	8.12	-95.6	96.6	17.2
09/22/04	16:00:52	27	246.266	255.695	235.09	3.69	172.9	63	48.62	19.967	8.12	-95.6	101.7	19.1
09/22/04	16:30:52	27.05	246.075	255.695	234.82	3.81	178.6	64	48.68	20.01	8.12	-95.4	119.7	17
09/22/04	17:00:52	26.97	246.407	255.695	235.29	3.87	181.5	64	48.37	19.817	8.12	-95.3	134	12.3
09/22/04	17:30:52	26.96	246.465	255.695	235.37	3.86	181.2	65	48.58	19.937	8.12	-95.2	145.3	10
09/22/04	18:00:52	27.01	246.245	255.691	235.06	3.95	185	64	48.49	19.89	8.12	-95.2	148.8	8.1
09/22/04	18:30:52	26.18	250.043	255.695	240.44	4.07	195.4	65	48.32	19.7	8.12	-95.3	92.6	6.4
09/22/04	19:00:52	26.87	246.86	255.695	235.93	4.25	200	65	48.08	19.631	8.12	-95.2	156	7.9
09/22/04	19:30:52	27.05	246.079	255.695	234.83	4.17	195.2	65	48.16	19.697	8.12	-95.6	159.9	7.2
09/22/04	20:00:52	27.01	246.245	255.695	235.06	4.25	199.1	65	48.17	19.701	8.12	-95.4	146.2	8.4
09/22/04	20:30:52	27.04	246.117	255.695	234.88	4.21	197.2	65	48.27	19.766	8.12	-95.2	54.2	7.8
09/22/04	21:00:52	27.05	246.067	255.695	234.81	4.08	191.3	65	48.25	19.754	8.12	-95.1	98.8	8.7
09/22/04	21:30:52	27.02	246.183	255.695	234.98	4.15	194.4	65	48.04	19.628	8.12	-95.5	76.4	9.2
09/22/04	22:00:52	27.34	244.753	255.691	232.97	4.05	188.3	65	48.24	19.777	8.12	-95.3	49.1	7.7
09/22/04	22:30:52	26.31	249.438	255.695	239.58	3.92	187.3	65	48.22	19.658	8.12	-95.3	45.9	5.9
09/22/04	23:00:52	26.98	246.391	255.691	235.27	3.94	184.7	64	48.32	19.784	8.11	-94.6	12.6	7.3
09/22/04	23:30:52	26.93	246.615	255.691	235.59	3.94	185.2	64	48.43	19.847	8.11	-94.6	12.2	8.1
09/23/04	00:00:52	26.94	246.544	255.691	235.49	3.9	183.3	64	48.36	19.81	8.11	-94.7	2.6	7.9
09/23/04	00:30:52	27.16	245.579	255.695	234.13	3.92	183.2	64	48.43	19.87	8.11	-94.7	0.5	9.8
09/23/04	01:00:52	26.95	246.515	255.695	235.44	3.87	181.8	64	48.62	19.961	8.11	-94.9	0.7	6.2
09/23/04	01:30:52	26.98	246.39	255.695	235.27	3.79	177.6	63	48.62	19.962	8.11	-94.8	0.1	9.5
09/23/04	02:00:52	26.93	246.586	255.691	235.54	3.72	174.9	64	48.74	20.033	8.12	-95.1	-1	8.3
09/23/04	02:30:52	27.7	243.166	255.691	230.74	3.74	172.3	64	48.85	20.174	8.11	-95.1	-1.3	5.9
09/23/04	03:00:52	27.13	245.703	255.691	234.3	3.69	172.4	64	48.91	20.153	8.12	-95.1	0.3	7.8
09/23/04	03:30:52	26.88	246.836	255.691	235.9	3.69	173.8	64	48.86	20.1	8.12	-95.3	-0.4	7.9
09/23/04	04:00:52	26.74	247.467	255.691	236.79	3.61	170.6	64	48.97	20.146	8.12	-95.3	-0.7	6.3
09/23/04	04:30:52	26.84	247.003	255.688	236.13	3.61	170	63	49.14	20.258	8.12	-95.4	-1.5	8.4
09/23/04	05:00:52	27.2	245.386	255.691	233.85	3.69	171.9	64	49.09	20.271	8.12	-95.6	0.7	5.1
09/23/04	05:30:52	26.04	250.721	255.691	241.4	3.61	174	64	49.03	20.11	8.13	-95.6	-0.8	9.5
09/23/04	06:00:52	26.62	248.021	255.691	237.57	3.64	172.3	63	49.18	20.259	8.13	-95.6	-0.5	8.7
09/23/04	06:30:52	27.1	245.844	255.691	234.5	3.66	171	64	49.21	20.326	8.13	-95.7	-0.6	10.7
09/23/04	07:00:52	27	246.287	255.691	235.12	3.56	166.9	64	49.13	20.269	8.13	-95.7	0.6	14.9
09/23/04	07:30:52	28.03	241.723	255.691	228.73	3.62	165.1	64	49.2	20.42	8.12	-95.4	-1	16.2
09/23/04	08:00:52	27.07	245.977	255.688	234.69	3.55	166.1	63	48.33	19.804	8.12	-95.6	-0.1	16.6
09/23/04	08:30:52	28.04	241.663	255.691	228.64	3.69	168.3	63	49.13	20.375	8.12	-95.5	0.6	10.6
09/23/04	09:00:52	26.91	246.69	255.691	235.69	3.6	169.3	63	48.95	20.152	8.12	-95.3	-0.3	9.7
09/23/04	09:30:52	26.57	248.265	255.691	237.92	3.54	167.8	64	49.24	20.288	8.12	-95.3	-0.7	13
09/23/04	10:00:52	26.98	246.387	255.691	235.26	3.57	167.6	63	49.26	20.346	8.12	-95.3	0.3	14.8
09/23/04	10:30:52	26.88	246.836	255.691	235.9	3.61	169.8	63	48.97	20.163	8.12	-95.3	0.5	11.4
09/23/04	11:00:52	27.97	241.975	255.688	229.08	3.63	165.9	63	49.06	20.332	8.11	-95.1	-0.4	10.2
09/23/04	11:30:52	27.91	242.24	255.688	229.45	3.63	166.3	63	49.01	20.296	8.11	-95.2	0.2	14
09/23/04	12:00:52	26.91	246.682	255.691	235.68	3.55	166.7	63	48.74	20.027	8.12	-95.2	0.7	14.4
09/23/04	12:30:52	26.32	249.383	255.691	239.5	3.54	169.3	64	48.89	20.056	8.12	-95.3	4.3	16.1
09/23/04	13:00:52	26.81	247.157	255.691	236.35	3.57	168.1	63	48.81	20.06	8.12	-95.1	12.8	17.2
09/23/04	13:30:52	26.92	246.636	255.691	235.62	3.61	169.6	64	48.97	20.165	8.12	-95.1	17.2	12.8
09/23/04	14:00:52	27.11	245.81	255.695	234.45	3.63	169.5	64	49.07	20.244	8.12	-95.2	32.3	12.6
09/23/04	14:30:52	27.44	244.291	255.691	232.32	3.72	172.4	64	48.97	20.222	8.12	-95.5	73.4	11.6
09/23/04	15:00:52	26.55	248.337	255.691	238.02	3.8	180.4	64	48.97	20.126	8.12	-95.3	45.1	9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/23/04	15:30:52	27	246.304	255.691	235.15	3.96	185.9	64	48.71	20.021	8.12	-95.5	92.4	21.7
09/23/04	16:00:52	27	246.295	255.691	235.13	4.17	195.5	65	48.58	19.946	8.11	-95	42.7	19.1
09/23/04	16:30:52	26.87	246.865	255.691	235.94	4.19	197.3	65	48.44	19.847	8.12	-95.3	127.2	9
09/23/04	17:00:52	26.98	246.391	255.691	235.27	4.24	199	65	48.59	19.945	8.13	-95.9	138.3	10.8
09/23/04	17:30:52	26.99	246.341	255.691	235.2	4.46	209.2	66	48.54	19.918	8.13	-95.6	178.7	12.4
09/23/04	18:00:52	26.95	246.536	255.695	235.47	4.53	212.8	66	48.46	19.866	8.12	-95.3	164.6	13.6
09/23/04	18:30:52	26.91	246.694	255.691	235.7	4.51	212.2	65	47.92	19.543	8.11	-95	177.9	10.3
09/23/04	19:00:52	26.57	248.252	255.691	237.9	4.57	216.9	66	48.27	19.716	8.12	-95.2	55.4	11.1
09/23/04	19:30:52	26.86	246.92	255.688	236.02	4.42	207.9	66	48.36	19.799	8.12	-95.4	177.8	9.8
09/23/04	20:00:52	26.74	247.488	255.691	236.82	4.61	217.8	66	48.25	19.719	8.12	-95.3	160.1	11.5
09/23/04	20:30:52	26.97	246.428	255.691	235.32	4.63	217.5	66	48.18	19.705	8.12	-95.2	52.7	10.3
09/23/04	21:00:52	27.04	246.084	255.691	234.84	4.77	223.4	67	48.04	19.63	8.11	-94.9	36.1	13
09/23/04	21:30:52	26.86	246.907	255.691	236	4.56	214.7	66	48.24	19.725	8.12	-95.3	101.5	12.4
09/23/04	22:00:52	26.89	246.798	255.691	235.84	4.51	212.1	66	48.21	19.709	8.12	-95.2	39.6	11.9
09/23/04	22:30:52	27.03	246.163	255.688	234.95	4.37	204.9	66	48.19	19.714	8.12	-95.3	62.1	15.6
09/23/04	23:00:52	26.86	246.94	255.691	236.04	4.29	201.9	65	48.11	19.649	8.11	-95	37.9	14.1
09/23/04	23:30:52	26.95	246.507	255.691	235.43	4.29	201.4	66	48.15	19.681	8.11	-94.8	13.1	14.1
09/24/04	00:00:52	26.74	247.471	255.688	236.79	4.23	199.8	66	48.24	19.713	8.11	-94.7	2.2	15.2
09/24/04	00:30:52	27.29	244.959	255.688	233.25	4.29	199.7	65	48.22	19.76	8.11	-94.7	0.6	15.3
09/24/04	01:00:52	26.88	246.828	255.688	235.89	4.21	198.2	65	48.44	19.846	8.11	-94.9	0.5	10.8
09/24/04	01:30:52	26.99	246.345	255.688	235.21	4.02	188.4	65	48.65	19.983	8.11	-94.8	-0.6	16.9
09/24/04	02:00:52	26.76	247.366	255.691	236.65	4.01	189.2	65	48.54	19.895	8.11	-94.8	0.1	10.6
09/24/04	02:30:52	26.96	246.441	255.688	235.34	4	187.9	65	48.6	19.95	8.11	-94.8	-0.1	14.4
09/24/04	03:00:52	27	246.279	255.691	235.11	3.98	186.6	65	48.71	20.023	8.12	-95.1	-0.3	15.8
09/24/04	03:30:52	26.65	247.89	255.691	237.39	3.99	188.8	65	48.78	20.023	8.11	-95	-0.1	16.4
09/24/04	04:00:52	27.83	242.561	255.688	229.9	3.96	181.8	65	48.82	20.171	8.11	-95	0.1	12.8
09/24/04	04:30:52	26.13	250.305	255.691	240.81	3.84	184.3	65	48.95	20.066	8.11	-94.8	-0.2	16.1
09/24/04	05:00:52	27.01	246.225	255.691	235.04	3.83	179.6	65	48.96	20.173	8.11	-94.9	-0.4	17.4
09/24/04	05:30:52	27.1	245.852	255.691	234.51	3.83	179.2	65	49.06	20.236	8.11	-94.8	0.9	13.1
09/24/04	06:00:52	27.11	245.765	255.691	234.39	3.83	179	65	49.02	20.216	8.11	-94.8	-0.5	12.2
09/24/04	06:30:52	27.04	246.117	255.691	234.88	3.84	179.8	65	49.11	20.26	8.11	-94.9	-0.3	18.8
09/24/04	07:00:52	26.69	247.688	255.695	237.1	3.82	180.6	65	49.08	20.208	8.11	-94.7	-0.3	14.7
09/24/04	07:30:52	27.96	242.027	255.691	229.15	3.88	177.4	65	49.05	20.321	8.11	-94.7	-0.4	17.8
09/24/04	08:00:52	26.99	246.324	255.691	235.18	3.87	181.7	65	49.19	20.307	8.11	-94.7	-1.3	11.5
09/24/04	08:30:52	27	246.287	255.691	235.12	3.86	180.8	65	49.14	20.275	8.1	-94.5	-0.3	14.3
09/24/04	09:00:52	26.68	247.747	255.691	237.18	3.83	181.2	65	49.15	20.25	8.11	-94.7	-1.2	15.9
09/24/04	09:30:52	27.43	244.36	255.695	232.41	3.91	181.3	64	49.12	20.311	8.1	-94.4	-0.3	14.6
09/24/04	10:00:52	27.25	245.151	255.691	233.52	3.93	183.3	65	49.09	20.276	8.1	-94.5	-2.2	20.2
09/24/04	10:30:52	27.3	244.938	255.695	233.22	3.94	183.2	65	49.1	20.282	8.1	-94.5	-0	13.5
09/24/04	11:00:52	27.19	245.419	255.691	233.9	3.9	181.9	65	49.11	20.277	8.11	-94.7	0.7	21.8
09/24/04	11:30:52	26.88	246.836	255.691	235.9	3.83	180.1	65	49.04	20.207	8.11	-94.7	0	17.6
09/24/04	12:00:52	27.08	245.906	255.695	234.59	3.88	181.6	64	49.03	20.22	8.1	-94.1	-0.4	16.4
09/24/04	12:30:52	26.99	246.333	255.691	235.19	3.82	179.4	65	49.06	20.229	8.11	-94.5	5.6	18.5
09/24/04	13:00:52	26.92	246.64	255.695	235.62	3.8	178.6	65	48.97	20.168	8.11	-94.8	18.3	18.8
09/24/04	13:30:52	26.96	246.457	255.691	235.36	3.76	176.4	65	48.91	20.134	8.11	-94.7	18	16.1
09/24/04	14:00:52	26.99	246.349	255.695	235.21	3.75	175.8	66	48.96	20.165	8.13	-95.7	45.5	17.3
09/24/04	14:30:52	26.77	247.333	255.688	236.6	3.78	178.3	65	48.91	20.112	8.12	-95.3	61.4	19.8
09/24/04	15:00:52	26.86	246.923	255.691	236.02	3.8	178.7	66	48.94	20.144	8.14	-96.6	89.2	19.8
09/24/04	15:30:52	26.82	247.115	255.691	236.29	3.85	181.6	67	48.86	20.092	8.13	-95.8	94.8	17.7
09/24/04	16:00:52	26.67	247.794	255.691	237.25	3.8	180.1	67	48.87	20.079	8.14	-96.2	112.3	16.3
09/24/04	16:30:52	26.78	247.258	255.688	236.49	3.95	186.1	67	48.84	20.077	8.11	-95	126.2	17
09/24/04	17:00:52	26.57	248.236	255.688	237.88	3.99	189.3	67	48.82	20.043	8.11	-94.7	139.7	15.8
09/24/04	17:30:52	26.65	247.865	255.688	237.35	3.91	185.1	67	48.7	19.979	8.11	-94.8	150	12.3
09/24/04	18:00:52	26.55	248.342	255.684	238.03	3.94	187.1	69	48.62	19.918	8.11	-94.7	149.6	12.8
09/24/04	18:30:52	26.66	247.807	255.684	237.27	4.05	191.6	69	48.62	19.935	8.11	-94.4	155.4	13.9
09/24/04	19:00:52	26.56	248.295	255.684	237.96	3.95	187.3	69	48.55	19.877	8.12	-95.3	169.4	10.8
09/24/04	19:30:52	26.6	248.093	255.684	237.67	3.97	188	69	48.48	19.845	8.11	-94.6	158.2	10
09/24/04	20:00:52	26.58	248.177	255.684	237.79	4.19	198.6	67	48.45	19.826	8.09	-93.8	35	9.9
09/24/04	20:30:52	26.5	248.569	255.688	238.35	4.02	191.4	69	48.46	19.818	8.09	-93.6	30	10.3
09/24/04	21:00:52	26.84	246.986	255.688	236.11	3.87	182.3	67	48.29	19.754	8.11	-94.7	80.2	10.1
09/24/04	21:30:52	27.82	242.602	255.684	229.95	3.88	178.1	67	48.28	19.849	8.12	-95.3	83.9	9.8
09/24/04	22:00:52	27.12	245.749	255.688	234.37	3.93	183.7	69	48.2	19.728	8.13	-95.8	52.4	9.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/24/04	22:30:52	26.93	246.578	255.688	235.53	3.91	183.9	69	48.23	19.728	8.13	-96.2	53.4	11.7
09/24/04	23:00:52	26.92	246.653	255.691	235.64	3.99	187.4	66	48.14	19.676	8.11	-95	28.6	10.1
09/24/04	23:30:52	26.79	247.237	255.688	236.46	4.11	193.7	67	48.21	19.7	8.1	-94.3	9.9	8.3
09/25/04	00:00:52	26.95	246.515	255.691	235.44	4.13	194.1	67	48.21	19.717	8.1	-94.2	3.1	8.8
09/25/04	00:30:52	26.93	246.586	255.691	235.54	4.2	197.3	66	48.15	19.684	8.1	-94.3	0.1	11
09/25/04	01:00:52	26.78	247.282	255.695	236.53	4.08	192.5	66	48.29	19.748	8.1	-94.2	-0.3	10
09/25/04	01:30:52	27.52	243.936	255.695	231.82	4.09	189.2	66	48.36	19.865	8.1	-94.2	-0.3	9.2
09/25/04	02:00:52	27.07	245.984	255.695	234.7	4.06	190.2	65	48.42	19.854	8.11	-94.5	-0.2	9.4
09/25/04	02:30:52	27.09	245.877	255.691	234.55	4.01	187.6	67	48.47	19.89	8.1	-94.2	-0.3	11.5
09/25/04	03:00:52	27.99	241.875	255.691	228.94	4.08	186.5	66	48.49	19.991	8.1	-94.5	-0.6	9.1
09/25/04	03:30:52	27.18	245.472	255.691	233.98	4.02	187.5	66	48.61	19.98	8.1	-94.4	-0.7	12.2
09/25/04	04:00:52	26.38	249.128	255.691	239.14	3.97	189.3	66	48.69	19.943	8.11	-94.4	-0	9.8
09/25/04	04:30:52	26.44	248.835	255.691	238.72	3.96	188.7	66	48.77	19.995	8.11	-94.4	-0.1	10.9
09/25/04	05:00:52	27.08	245.947	255.695	234.64	3.98	186.5	66	48.84	20.104	8.1	-94.2	-0.3	19.5
09/25/04	05:30:52	27.74	242.992	255.695	230.5	4.01	184.4	66	48.9	20.212	8.1	-94.4	-0.3	9.6
09/25/04	06:00:52	27.03	246.167	255.691	234.95	3.99	186.9	66	48.95	20.168	8.1	-94.2	-0.1	11.2
09/25/04	06:30:52	27.02	246.183	255.695	234.98	4.03	188.7	65	49.02	20.207	8.09	-93.9	-1.3	9.2
09/25/04	07:00:52	27.1	245.835	255.695	234.49	4.04	189	65	49.04	20.23	8.1	-94	-0.2	10.9
09/25/04	07:30:52	27.15	245.616	255.695	234.18	4.1	191.3	66	49.01	20.214	8.09	-93.8	-0	10.3
09/25/04	08:00:52	26.66	247.815	255.688	237.28	4.1	194.2	66	49.07	20.197	8.09	-93.4	-1.1	10.1
09/25/04	08:30:52	26.96	246.47	255.691	235.38	4.11	192.8	66	49.03	20.204	8.09	-93.6	-0.3	9.5
09/25/04	09:00:52	27.08	245.902	255.691	234.58	4.16	194.8	65	49.02	20.214	8.08	-93.2	0.6	10.2
09/25/04	09:30:52	27.1	245.811	255.691	234.45	4.41	206.3	65	49.05	20.232	8.06	-92	0	9.5
09/25/04	10:00:52	27.84	242.553	255.691	229.88	4.51	207.1	65	49.08	20.326	8.07	-92.7	-0.1	8.4
09/25/04	10:30:52	26.06	250.631	255.691	241.28	4.47	215.4	65	49.08	20.136	8.07	-92.2	-0	9.9
09/25/04	11:00:52	27.07	245.992	255.695	234.71	4.63	216.6	65	49	20.203	8.06	-92.1	-0.3	9
09/25/04	11:30:52	26.87	246.89	255.691	235.97	4.85	228.2	65	49.03	20.194	8.04	-90.9	0.4	10.3
09/25/04	12:00:52	26.68	247.719	255.688	237.14	4.94	233.9	65	49.04	20.182	8.04	-90.7	-0.6	9.5
09/25/04	12:30:52	26.64	247.929	255.688	237.44	5.05	239.2	65	49.03	20.171	8.03	-90.4	3.1	9.4
09/25/04	13:00:52	26.55	248.325	255.684	238	5.19	246.4	65	49.03	20.161	8.04	-90.5	9.2	9.7
09/25/04	13:30:52	26.63	247.958	255.684	237.48	5.12	242.5	65	49.04	20.178	8.04	-90.6	9.4	8.7
09/25/04	14:00:52	26.73	247.513	255.684	236.85	4.59	216.8	66	48.97	20.146	8.09	-93.4	35.3	10
09/25/04	14:30:52	26.96	246.474	255.691	235.39	4.1	192.3	67	48.99	20.184	8.12	-95.4	44.1	8.3
09/25/04	15:00:52	27.06	246.005	255.695	234.73	3.91	183	69	49	20.201	8.12	-95.5	50.4	9.5
09/25/04	15:30:52	27.08	245.91	255.695	234.59	3.92	183.6	67	49.01	20.205	8.12	-95.3	38.1	10
09/25/04	16:00:52	27.01	246.245	255.695	235.06	3.77	176.8	67	48.95	20.164	8.12	-95.6	65.9	11.5
09/25/04	16:30:52	27.18	245.488	255.699	234	3.83	178.7	69	48.94	20.174	8.12	-95.6	85.6	11.2
09/25/04	17:00:52	26.96	246.469	255.695	235.38	3.91	183.5	69	48.9	20.126	8.12	-95.6	53.5	10.2
09/25/04	17:30:52	27.02	246.195	255.699	234.99	3.82	179.2	69	48.86	20.113	8.13	-95.6	68	10.7
09/25/04	18:00:52	26.97	246.448	255.699	235.35	3.87	181.7	69	48.83	20.091	8.13	-96	74.2	12.3
09/25/04	18:30:52	26.99	246.328	255.699	235.18	3.86	180.9	69	48.79	20.067	8.13	-96.2	83.6	11.2
09/25/04	19:00:52	27.05	246.075	255.699	234.82	3.88	181.8	69	48.71	20.025	8.14	-96.6	154.6	11.2
09/25/04	19:30:52	27.07	245.996	255.699	234.71	3.8	177.8	70	48.67	20	8.16	-97.8	147.9	11.7
09/25/04	20:00:52	27.12	245.748	255.699	234.36	3.86	180.3	69	48.62	19.978	8.15	-97.2	103.8	12.7
09/25/04	20:30:52	27.12	245.727	255.699	234.33	4.04	189	69	48.54	19.936	8.13	-95.8	54.4	11.1
09/25/04	21:00:52	27.03	246.141	255.703	234.92	3.89	182.2	69	48.47	19.879	8.14	-96.4	65.8	12.4
09/25/04	21:30:52	27.1	245.851	255.699	234.51	4.07	190.3	69	48.44	19.869	8.11	-94.7	27	11.6
09/25/04	22:00:52	27.1	245.835	255.695	234.49	4.12	192.8	69	48.39	19.839	8.1	-94.3	20.6	11.5
09/25/04	22:30:52	27.22	245.307	255.695	233.74	4.12	192	69	48.34	19.825	8.1	-94.5	29.8	10
09/25/04	23:00:52	27.2	245.398	255.695	233.87	4.17	194.5	69	48.33	19.813	8.1	-94.3	21.4	12.3
09/25/04	23:30:52	27.11	245.814	255.699	234.46	4.19	196.1	67	48.31	19.794	8.09	-93.8	10.1	10.8
09/26/04	00:00:52	26.99	246.353	255.695	235.22	4.39	205.9	67	48.3	19.774	8.09	-93.5	1.5	10
09/26/04	00:30:52	27.2	245.369	255.691	233.83	4.35	202.8	67	48.28	19.785	8.08	-93.1	-0.1	10.1
09/26/04	01:00:52	26.22	249.886	255.691	240.22	4.25	203.7	67	48.29	19.688	8.09	-93.6	-0.4	10
09/26/04	01:30:52	27.3	244.917	255.695	233.2	4.21	195.8	67	48.33	19.829	8.09	-93.9	-0.5	10.1
09/26/04	02:00:52	27.05	246.046	255.695	234.78	4.12	192.8	66	48.35	19.811	8.09	-93.9	-0.2	11.2
09/26/04	02:30:52	27.08	245.926	255.695	234.61	4.11	192.5	67	48.42	19.858	8.1	-93.9	0.2	11
09/26/04	03:00:52	26.99	246.308	255.691	235.15	4.06	190.4	67	48.47	19.877	8.09	-93.8	-0.7	10.4
09/26/04	03:30:52	27.08	245.926	255.695	234.61	4.03	188.6	67	48.52	19.917	8.09	-93.9	-0.9	10.4
09/26/04	04:00:52	27	246.27	255.691	235.1	4.05	189.7	67	48.59	19.95	8.09	-93.8	-0.8	10.8
09/26/04	04:30:52	27.2	245.398	255.695	233.87	3.95	184.3	67	48.66	20.009	8.09	-93.9	-0.2	10
09/26/04	05:00:52	27.61	243.546	255.695	231.27	3.99	184.2	67	48.72	20.09	8.09	-93.9	-0.4	10.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/26/04	05:30:52	26.07	250.557	255.695	241.17	3.9	187.6	67	48.76	19.952	8.1	-93.8	0.8	11.1
09/26/04	06:00:52	26.91	246.693	255.699	235.7	3.91	184	67	48.79	20.06	8.1	-93.9	-0.1	10.5
09/26/04	06:30:52	27.3	244.926	255.691	233.21	3.96	184	67	48.83	20.126	8.09	-93.9	-0.1	10.8
09/26/04	07:00:52	26.98	246.37	255.691	235.24	3.89	182.3	67	48.89	20.126	8.09	-93.6	-0.5	11.8
09/26/04	07:30:52	26.93	246.627	255.695	235.6	3.77	177.1	67	48.89	20.12	8.09	-93.8	-0.4	11.1
09/26/04	08:00:52	27.03	246.134	255.691	234.91	3.79	177.4	67	48.88	20.126	8.1	-94.1	-0.5	13.6
09/26/04	08:30:52	26.99	246.341	255.695	235.2	3.8	178.3	67	48.92	20.143	8.09	-93.7	-0.6	11.2
09/26/04	09:00:52	26.95	246.511	255.691	235.44	3.75	176.2	67	48.92	20.138	8.09	-93.9	-0.5	10.4
09/26/04	09:30:52	26.91	246.698	255.691	235.7	3.71	174.6	67	48.91	20.131	8.09	-93.8	-0.5	11.5
09/26/04	10:00:52	26.96	246.465	255.691	235.37	3.73	175.1	66	48.91	20.135	8.09	-93.7	-1	12.1
09/26/04	10:30:52	26.87	246.865	255.695	235.94	3.75	176.4	66	48.89	20.113	8.09	-93.6	0	11.9
09/26/04	11:00:52	27.06	246.034	255.691	234.77	3.74	175	67	48.89	20.134	8.09	-93.6	-0.2	10.8
09/26/04	11:30:52	27.76	242.907	255.695	230.38	3.76	173	66	48.88	20.202	8.08	-93.4	-0.1	11.6
09/26/04	12:00:52	27.28	245.036	255.695	233.36	3.79	176.6	67	48.89	20.156	8.09	-93.7	-0.3	11.9
09/26/04	12:30:52	25.97	251.035	255.691	241.85	3.72	179.8	67	48.89	20.016	8.09	-93.5	5.4	10.8
09/26/04	13:00:52	27.57	243.733	255.695	231.53	3.76	173.6	67	48.87	20.174	8.09	-93.9	14.4	10.8
09/26/04	13:30:52	26.68	247.755	255.695	237.2	3.71	175.4	67	48.88	20.088	8.11	-94.6	30.3	11.9
09/26/04	14:00:52	27.26	245.123	255.691	233.48	3.73	173.6	67	48.88	20.146	8.1	-94.5	33.3	11.1
09/26/04	14:30:52	27.23	245.233	255.695	233.64	3.77	175.9	67	48.87	20.143	8.11	-95	40.9	12.2
09/26/04	15:00:52	26.8	247.185	255.699	236.39	3.77	177.5	69	48.91	20.118	8.15	-96.9	76.9	10.5
09/26/04	15:30:52	26.13	250.296	255.695	240.8	3.76	180.7	69	48.9	20.04	8.16	-97.3	95.3	10.6
09/26/04	16:00:52	26.85	246.96	255.695	236.07	3.86	181.6	69	48.93	20.138	8.14	-96.3	113	10.6
09/26/04	16:30:52	26.98	246.378	255.695	235.25	3.96	185.6	69	48.9	20.134	8.12	-95.2	83.2	11.4
09/26/04	17:00:52	26.99	246.349	255.695	235.21	4.04	189.7	69	48.9	20.134	8.11	-94.8	52.9	11.5
09/26/04	17:30:52	26.89	246.79	255.695	235.83	4.11	193.3	69	48.89	20.114	8.12	-95.3	55.1	11.2
09/26/04	18:00:52	26.52	248.505	255.699	238.26	4.11	195.3	70	48.88	20.068	8.13	-95.9	155.4	11.2
09/26/04	18:30:52	26.43	248.911	255.695	238.83	4.09	195.1	70	48.86	20.046	8.13	-96.1	154.6	11.1
09/26/04	19:00:52	26.91	246.698	255.699	235.7	4.18	196.3	70	48.8	20.066	8.14	-96.4	152.4	11.4
09/26/04	19:30:52	26.99	246.336	255.695	235.19	4.11	193	70	48.77	20.052	8.13	-96.2	142.9	14.8
09/26/04	20:00:52	26.86	246.944	255.695	236.05	4.23	199	70	48.72	20.009	8.13	-95.8	137.8	11.7
09/26/04	20:30:52	26.73	247.525	255.695	236.87	4.38	207	70	48.69	19.978	8.13	-95.8	114.2	11.7
09/26/04	21:00:52	27.03	246.15	255.695	234.93	4.25	199.1	70	48.64	19.98	8.14	-96.7	100.8	12.5
09/26/04	21:30:52	26.91	246.715	255.695	235.73	4.3	202.2	70	48.56	19.925	8.13	-95.8	78.7	11.6
09/26/04	22:00:52	26.91	246.702	255.695	235.71	4.31	202.4	69	48.52	19.901	8.12	-95.6	63.4	11.1
09/26/04	22:30:52	27.04	246.109	255.691	234.87	4.35	203.9	70	48.49	19.893	8.11	-94.8	44.9	11.4
09/26/04	23:00:52	26.9	246.74	255.695	235.76	4.29	201.7	69	48.45	19.857	8.09	-93.7	25.4	10.9
09/26/04	23:30:52	26.85	246.973	255.695	236.09	4.21	198.4	69	48.41	19.827	8.09	-93.6	11.9	12.7
09/27/04	00:00:52	26.97	246.407	255.691	235.29	4.19	196.7	69	48.4	19.833	8.08	-93.1	2.8	11.1
09/27/04	00:30:52	27.03	246.142	255.691	234.92	4.29	201	69	48.38	19.829	8.08	-93.2	-0.1	10.4
09/27/04	01:00:52	27.35	244.712	255.691	232.91	4.13	192	69	48.39	19.866	8.09	-93.6	-0.7	9.5
09/27/04	01:30:52	26.22	249.89	255.691	240.22	4.01	192	69	48.39	19.747	8.09	-93.2	-0.1	9.3
09/27/04	02:00:52	27.88	242.352	255.695	229.6	4.17	191.1	69	48.39	19.918	8.07	-92.9	-0.6	10.6
09/27/04	02:30:52	26.96	246.465	255.695	235.37	4.09	192.1	69	48.41	19.839	8.08	-93.1	-1.1	10.3
09/27/04	03:00:52	26.9	246.752	255.691	235.78	3.93	184.7	69	48.48	19.872	8.08	-93.3	-1	10.1
09/27/04	03:30:52	26.81	247.153	255.691	236.34	3.93	185.1	69	48.5	19.878	8.09	-93.4	-0.7	11.4
09/27/04	04:00:52	26.99	246.324	255.691	235.18	3.92	183.8	69	48.56	19.93	8.09	-93.4	-0.5	10.8
09/27/04	04:30:52	26.86	246.919	255.691	236.01	3.86	181.6	69	48.61	19.944	8.08	-93.3	-0.7	10.4
09/27/04	05:00:52	26.85	246.982	255.691	236.1	3.8	179	69	48.66	19.974	8.09	-93.4	-1.2	11.2
09/27/04	05:30:52	26.91	246.669	255.691	235.66	3.8	178.7	69	48.71	20.011	8.08	-93.3	-0.5	10.3
09/27/04	06:00:52	26.86	246.915	255.691	236.01	3.78	178	69	48.75	20.029	8.08	-93.3	-0.5	10.3
09/27/04	06:30:52	26.51	248.505	255.691	238.26	3.71	176.4	69	48.8	20.021	8.09	-93.4	-0.6	10.6
09/27/04	07:00:52	27.37	244.619	255.688	232.78	3.8	176.6	69	48.8	20.114	8.08	-93.1	0.1	9.7
09/27/04	07:30:52	26.95	246.491	255.688	235.41	3.73	175.1	69	48.84	20.094	8.09	-93.5	0.4	9.8
09/27/04	08:00:52	26.85	246.97	255.688	236.09	3.75	176.8	69	48.88	20.107	8.08	-93.2	-1.1	9.5
09/27/04	08:30:52	26.86	246.919	255.691	236.01	3.77	177.6	69	48.86	20.097	8.09	-93.3	-0.7	9.4
09/27/04	09:00:52	26.45	248.789	255.691	238.66	3.65	173.9	69	48.85	20.047	8.09	-93.4	-1.3	9.4
09/27/04	09:30:52	26.92	246.665	255.691	235.66	3.72	174.9	69	48.88	20.114	8.09	-93.4	-1	9.7
09/27/04	10:00:52	26.78	247.266	255.688	236.5	3.72	175.4	67	48.86	20.087	8.08	-93.2	-0.6	9.2
09/27/04	10:30:52	26.88	246.844	255.691	235.91	3.75	176.5	69	48.86	20.099	8.09	-93.4	-0.6	9.2
09/27/04	11:00:52	26.9	246.732	255.691	235.75	3.75	176.3	69	48.86	20.099	8.08	-93.3	-0.2	9.5
09/27/04	11:30:52	26.67	247.769	255.688	237.22	3.73	176.3	69	48.85	20.069	8.08	-93	-0.4	9.4
09/27/04	12:00:52	26.61	248.071	255.691	237.64	3.74	177.4	69	48.84	20.055	8.09	-93.5	-0.3	9.5

<u>**Appendix 5**</u>
<u>**Water Quality Data**</u>

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	**Time**	**Temp C**	**SpCond mS/cm/sec**	**Cond mS/cm**	**Salinity ppt**	**DO Conc mg/L**	**DO %**	**DO Charge**	**Absolute Pressure psi**	**Depth m**	**pH**	**pHmV**	**PAR1 µeinst/ sec*m2**	**Turbidity NTU**
09/27/04	12:30:52	26.06	250.597	255.691	241.23	3.66	176.4	69	48.88	20.022	8.09	-93.2	6.2	9.8
09/27/04	13:00:52	27.9	242.272	255.688	229.49	3.77	172.8	69	48.86	20.205	8.09	-93.6	15.9	9.7
09/27/04	13:30:52	26.48	248.666	255.691	238.49	3.68	175	69	48.89	20.073	8.1	-94.1	29.4	10.1
09/27/04	14:00:52	26.05	250.682	255.691	241.35	3.69	177.6	69	48.91	20.038	8.11	-94.7	45	9.7
09/27/04	14:30:52	26.3	249.484	255.695	239.65	3.74	178.9	69	48.91	20.067	8.12	-95.5	62.1	9.7
09/27/04	15:00:52	26.49	248.619	255.695	238.42	3.83	182.1	69	48.95	20.111	8.12	-95.3	79.2	9.7
09/27/04	15:30:52	26.81	247.169	255.695	236.37	3.87	182.7	69	49	20.173	8.12	-95.5	98	9.4
09/27/04	16:00:52	26.02	250.811	255.695	241.53	3.88	187	69	49.03	20.105	8.12	-95	113.5	9.8
09/27/04	16:30:52	26.52	248.463	255.695	238.2	4.01	190.6	70	49.01	20.15	8.11	-94.7	133.2	9.6
09/27/04	17:00:52	27.01	246.254	255.691	235.08	4.12	193	70	49.05	20.225	8.1	-94.4	147.3	9.4
09/27/04	17:30:52	26.48	248.644	255.695	238.45	4.26	202.9	70	49.01	20.145	8.1	-94.4	144.9	10
09/27/04	18:00:52	27.04	246.088	255.695	234.84	4.4	205.9	71	48.99	20.193	8.1	-94.4	160.9	10
09/27/04	18:30:52	26.2	249.971	255.695	240.34	4.49	215.2	71	49.02	20.116	8.11	-94.7	153	9.4
09/27/04	19:00:52	26.73	247.516	255.695	236.86	4.57	216	71	49.03	20.183	8.09	-93.5	155.1	9.7
09/27/04	19:30:52	26.85	246.948	255.695	236.06	4.62	217.7	71	48.92	20.131	8.09	-93.9	146.2	9.6
09/27/04	20:00:52	26.84	246.998	255.691	236.13	4.58	215.7	71	48.93	20.136	8.1	-94.1	137.5	8.6
09/27/04	20:30:52	26.28	249.616	255.699	239.83	4.42	211.3	71	48.95	20.085	8.11	-94.4	123.5	9.4
09/27/04	21:00:52	27.53	243.912	255.691	231.79	4.49	207.5	71	48.84	20.151	8.1	-94.5	99.7	10.2
09/27/04	21:30:52	26.84	247.011	255.691	236.14	4.55	214.3	71	48.83	20.078	8.11	-94.6	85.2	8.1
09/27/04	22:00:52	25.89	251.402	255.691	242.37	4.43	214.3	71	48.84	19.982	8.1	-93.7	63.4	8.4
09/27/04	22:30:52	25.94	251.164	255.695	242.04	4.47	215.9	70	48.72	19.914	8.1	-93.9	43.7	7
09/27/04	23:00:52	26.92	246.648	255.691	235.63	4.59	215.8	71	48.7	20.003	8.08	-92.8	23.8	7.3
09/27/04	23:30:52	26.14	250.228	255.691	240.7	4.46	214.3	70	48.63	19.882	8.07	-92.6	10.1	7.8
09/28/04	00:00:52	26.23	249.83	255.691	240.14	4.33	207.6	70	48.65	19.905	8.07	-92.3	1.9	5.7
09/28/04	00:30:52	27.61	243.543	255.691	231.27	4.38	202	69	48.51	19.967	8.07	-92.5	-0.2	8.3
09/28/04	01:00:52	26.82	247.107	255.691	236.28	4.24	199.9	70	48.61	19.94	8.07	-92.5	-1.3	6
09/28/04	01:30:52	26.81	247.14	255.691	236.33	4.21	198.5	69	48.52	19.89	8.07	-92.4	-0.8	6.5
09/28/04	02:00:52	26.79	247.216	255.688	236.43	4.19	197.8	70	48.54	19.896	8.06	-92.1	-1.4	5.9
09/28/04	02:30:52	26.99	246.325	255.688	235.18	4.14	194.3	69	48.51	19.899	8.07	-92.5	-0.6	7.3
09/28/04	03:00:52	26.86	246.911	255.688	236	4.1	193.2	69	48.56	19.917	8.07	-92.4	-0.8	6.1
09/28/04	03:30:52	27.05	246.059	255.688	234.8	4.07	190.7	69	48.63	19.979	8.07	-92.7	-0.8	7.3
09/28/04	04:00:52	26.77	247.32	255.688	236.58	4.03	190.2	69	48.64	19.954	8.08	-92.8	-0.9	7.1
09/28/04	04:30:52	26.62	247.995	255.691	237.54	4.03	191.1	69	48.63	19.935	8.07	-92.7	-1.7	7.2
09/28/04	05:00:52	26.85	246.949	255.688	236.06	3.93	184.8	69	48.69	19.996	8.08	-93.1	-0.6	6.4
09/28/04	05:30:52	26.52	248.472	255.691	238.21	3.87	183.7	69	48.65	19.935	8.08	-93	-1.2	7.2
09/28/04	06:00:52	26.86	246.911	255.691	236	3.86	181.9	70	48.71	20.006	8.08	-93	-1.1	6.4
09/28/04	06:30:52	26.82	247.099	255.688	236.27	3.87	182.4	69	48.74	20.022	8.08	-92.8	-0.7	7.5
09/28/04	07:00:52	26.33	249.349	255.688	239.45	3.86	184.5	69	48.75	19.974	8.08	-92.8	-1.2	6.6
09/28/04	07:30:52	26.1	250.416	255.691	240.97	3.84	184.7	69	48.78	19.966	8.08	-92.9	-1.2	7.8
09/28/04	08:00:52	27.29	244.967	255.688	233.27	3.91	182.1	69	48.75	20.075	8.07	-92.7	-1.9	6.8
09/28/04	08:30:52	26.89	246.786	255.691	235.83	3.88	182.3	69	48.77	20.044	8.07	-92.5	-1.5	7.3
09/28/04	09:00:52	26.21	249.911	255.691	240.25	3.89	186.5	69	48.72	19.942	8.08	-92.7	-0.9	6.5
09/28/04	09:30:52	27.02	246.212	255.691	235.02	3.84	180.1	69	48.74	20.038	8.07	-92.8	-1.3	6.9
09/28/04	10:00:52	26.32	249.383	255.691	239.5	3.92	187.3	69	48.72	19.953	8.07	-92.5	-0.4	6.9
09/28/04	10:30:52	27.41	244.426	255.691	232.51	3.9	180.8	69	48.7	20.058	8.07	-92.8	-1.6	7.3
09/28/04	11:00:52	26.82	247.082	255.691	236.24	3.86	181.9	69	48.72	20.008	8.08	-92.8	-0.6	6.6
09/28/04	11:30:52	25.9	251.363	255.691	242.32	3.76	182	69	48.7	19.895	8.08	-92.9	-0.5	7
09/28/04	12:00:52	26.22	249.865	255.688	240.19	3.78	181.2	69	48.67	19.916	8.08	-92.7	-0.3	6.4
09/28/04	12:30:52	27.08	245.931	255.688	234.62	3.84	179.7	69	48.66	19.999	8.08	-92.9	5.5	6.7
09/28/04	13:00:52	26.55	248.362	255.691	238.05	3.86	183.5	69	48.65	19.938	8.09	-93.4	16.7	6.4
09/28/04	13:30:52	25.77	251.965	255.691	243.18	3.82	185.4	69	48.63	19.843	8.08	-93.1	22.6	6.8
09/28/04	14:00:52	26.85	246.952	255.691	236.06	3.91	184	69	48.66	19.974	8.11	-94.7	38.5	6.8
09/28/04	14:30:52	26.83	247.04	255.691	236.19	3.92	184.9	70	48.67	19.978	8.12	-95.4	54.1	6.5
09/28/04	15:00:52	26.76	247.395	255.695	236.69	3.94	186	70	48.67	19.972	8.13	-96.1	81.9	6.7
09/28/04	15:30:52	26.56	248.307	255.691	237.98	4.05	192.2	70	48.67	19.952	8.1	-94.2	65.3	6.6
09/28/04	16:00:52	27.05	246.042	255.695	234.78	4.03	188.7	71	48.69	20.015	8.09	-93.9	68.7	1191.1
09/28/04	16:30:52	26.91	246.677	255.695	235.67	4.11	193.4	70	48.73	20.021	8.08	-93.3	52.6	7
09/28/04	17:00:52	26.87	246.877	255.691	235.96	4.05	190.5	71	48.76	20.034	8.11	-95	121.7	7.2
09/28/04	17:30:52	26.58	248.222	255.695	237.86	4.28	203.3	71	48.79	20.024	8.09	-93.8	93.9	6.7
09/28/04	18:00:52	27.72	243.053	255.695	230.58	4.28	197	73	48.8	20.15	8.09	-93.9	99.7	7.3
09/28/04	18:30:52	26.45	248.784	255.695	238.65	4.45	211.7	73	48.8	20.02	8.1	-94.1	106.6	6.8
09/28/04	19:00:52	26.03	250.751	255.691	241.45	4.54	218.6	73	48.84	19.996	8.11	-94.5	125.5	6.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/28/04	19:30:52	26.04	250.721	255.691	241.4	4.56	219.5	71	48.82	19.983	8.1	-93.9	67.6	6.9
09/28/04	20:00:52	26.77	247.341	255.691	236.61	4.49	212	73	48.84	20.073	8.1	-94.4	72	6.8
09/28/04	20:30:52	27.6	243.612	255.691	231.36	4.61	212.9	71	48.83	20.151	8.09	-93.8	58.4	6.5
09/28/04	21:00:52	25.8	251.848	255.691	243.01	4.51	219	73	48.82	19.955	8.1	-93.8	59.7	6.7
09/28/04	21:30:52	27.31	244.868	255.691	233.13	4.58	212.9	71	48.81	20.111	8.08	-93.3	36.9	6.2
09/28/04	22:00:52	26.92	246.648	255.691	235.63	4.41	207	71	48.77	20.048	8.08	-92.8	30.2	6.4
09/28/04	22:30:52	26.71	247.584	255.688	236.95	4.4	207.8	71	48.73	20.003	8.07	-92.5	15.4	5.7
09/28/04	23:00:52	26.91	246.678	255.688	235.67	4.34	203.9	71	48.72	20.02	8.07	-92.4	6.9	5.8
09/28/04	23:30:52	27.31	244.893	255.688	233.16	4.27	198.6	71	48.67	20.032	8.06	-92	4.7	5.7
09/29/04	00:00:52	27.16	245.559	255.688	234.1	4.17	194.8	71	48.64	19.996	8.06	-92	0.8	6
09/29/04	00:30:52	26.7	247.626	255.688	237.01	4.15	196	70	48.63	19.945	8.06	-92	-0	5.9
09/29/04	01:00:52	26.71	247.618	255.688	237	4.03	190.3	70	48.62	19.934	8.07	-92.5	0.2	7
09/29/04	01:30:52	26.68	247.756	255.688	237.2	3.99	188.7	70	48.58	19.912	8.07	-92.5	0.5	6.3
09/29/04	02:00:52	26.43	248.87	255.688	238.77	3.93	187.4	71	48.58	19.881	8.08	-92.8	0.4	7
09/29/04	02:30:52	27.78	242.811	255.684	230.24	3.97	182.2	70	48.56	20.01	8.07	-92.6	-0.7	7.4
09/29/04	03:00:52	26.02	250.782	255.688	241.49	3.83	184.6	70	48.57	19.833	8.08	-92.7	0.6	6.8
09/29/04	03:30:52	26.72	247.568	255.688	236.93	3.89	184	70	48.57	19.91	8.07	-92.6	-0.3	7
09/29/04	04:00:52	25.65	252.536	255.688	243.99	3.78	184.4	71	48.58	19.801	8.08	-92.8	-0.1	6.9
09/29/04	04:30:52	27.25	245.16	255.684	233.54	3.84	178.8	70	48.59	19.973	8.07	-92.8	-0.5	7.7
09/29/04	05:00:52	26.25	249.72	255.688	239.98	3.78	181.1	70	48.61	19.884	8.08	-93.2	-0.2	10.4
09/29/04	05:30:52	25.73	252.183	255.688	243.49	3.76	182.7	70	48.63	19.836	8.08	-93	0.2	11.3
09/29/04	06:00:52	26.42	248.951	255.684	238.89	3.78	180.3	70	48.64	19.915	8.08	-93	-0.9	11
09/29/04	06:30:52	26.03	250.752	255.684	241.45	3.71	178.6	70	48.65	19.882	8.09	-93.2	-1	10.6
09/29/04	07:00:52	26.69	247.71	255.688	237.13	3.76	177.8	70	48.67	19.963	8.07	-92.7	0.4	8.4
09/29/04	07:30:52	26.54	248.404	255.688	238.11	3.71	176.3	70	48.68	19.952	8.07	-92.7	-0.1	9
09/29/04	08:00:52	25.61	252.746	255.684	244.29	3.63	177.3	70	48.69	19.856	8.08	-92.7	-0.4	8.9
09/29/04	08:30:52	26.21	249.903	255.688	240.24	3.75	179.9	70	48.67	19.917	8.08	-92.9	-0	10.3
09/29/04	09:00:52	26.52	248.481	255.684	238.22	3.75	178.3	70	48.67	19.947	8.08	-92.7	0.1	10.3
09/29/04	09:30:52	27.56	243.774	255.688	231.59	3.81	176.2	70	48.66	20.048	8.07	-92.7	1	9.4
09/29/04	10:00:52	26.52	248.481	255.684	238.22	3.75	178.3	70	48.63	19.92	8.07	-92.2	0.2	9.3
09/29/04	10:30:52	26.6	248.118	255.684	237.71	3.75	178	70	48.6	19.915	8.07	-92.5	-0.1	9.2
09/29/04	11:00:52	26.66	247.828	255.684	237.3	3.73	176.6	69	48.6	19.918	8.06	-92.1	0.1	9.1
09/29/04	11:30:52	27.01	246.221	255.684	235.03	3.73	175	70	48.56	19.936	8.07	-92.4	-1.1	8.7
09/29/04	12:00:52	25.81	251.767	255.684	242.89	3.72	180.4	70	48.55	19.798	8.08	-92.8	0.6	8.3
09/29/04	12:30:52	27.27	245.037	255.684	233.36	3.78	176.1	70	48.53	19.944	8.07	-92.6	6.3	5.4
09/29/04	13:00:52	27.36	244.672	255.684	232.85	3.76	174.8	70	48.51	19.942	8.08	-93.2	16.6	4.9
09/29/04	13:30:52	26.65	247.866	255.684	237.35	3.75	177.7	70	48.5	19.861	8.1	-94.1	26.5	5.4
09/29/04	14:00:52	26.87	246.862	255.684	235.93	3.78	178	71	48.49	19.874	8.12	-95.2	43.3	5.4
09/29/04	14:30:52	26.35	249.256	255.684	239.32	3.82	182.4	71	48.48	19.815	8.14	-96.1	62.5	4.8
09/29/04	15:00:52	26.78	247.266	255.688	236.5	3.89	183.4	71	48.52	19.883	8.15	-97.2	77.6	5.5
09/29/04	15:30:52	25.81	251.779	255.688	242.91	3.92	189.9	71	48.54	19.791	8.17	-97.8	94.9	5.1
09/29/04	16:00:52	26.81	247.153	255.688	236.35	4.03	190	71	48.56	19.909	8.17	-98.3	114.5	5.4
09/29/04	16:30:52	26.42	248.925	255.688	238.85	4.03	191.9	73	48.58	19.881	8.15	-96.9	134	5.3
09/29/04	17:00:52	27.55	243.811	255.691	231.64	4.13	191	73	48.61	20.017	8.13	-96.3	151.9	5.4
09/29/04	17:30:52	27.63	243.45	255.688	231.14	4.33	199.7	73	48.65	20.052	8.12	-95.6	154	6.4
09/29/04	18:00:52	26.65	247.87	255.688	237.36	4.38	207.4	73	48.69	19.972	8.13	-95.6	157.4	6.7
09/29/04	18:30:52	26.89	246.757	255.688	235.79	4.39	206.5	73	48.73	20.021	8.11	-94.9	156	6.5
09/29/04	19:00:52	26.91	246.665	255.688	235.66	4.65	218.4	73	48.76	20.043	8.13	-95.6	153.8	6.9
09/29/04	19:30:52	26.7	247.664	255.688	237.07	4.56	215.5	73	48.78	20.031	8.13	-96	148.3	6.8
09/29/04	20:00:52	25.67	252.453	255.688	243.87	4.42	215.5	73	48.81	19.938	8.15	-96.9	140.4	7.4
09/29/04	20:30:52	26.83	247.032	255.688	236.17	4.63	218.2	73	48.83	20.076	8.13	-95.8	128.8	6.8
09/29/04	21:00:52	26.26	249.694	255.688	239.94	4.37	209.3	73	48.85	20.025	8.14	-96.2	106.1	7.5
09/29/04	21:30:52	26.54	248.4	255.688	238.11	3.84	182.4	76	48.86	20.061	8.12	-95.1	87.5	7.5
09/29/04	22:00:52	26.56	248.278	255.684	237.94	4.21	199.6	73	48.85	20.057	8.11	-94.4	67.2	7.8
09/29/04	22:30:52	26.16	250.134	255.684	240.57	4.26	204.6	73	48.84	20.006	8.11	-94.4	44.6	8.6
09/29/04	23:00:52	25.59	252.842	255.688	244.43	4.07	198.6	73	48.83	19.938	8.08	-93	26.1	8.9
09/29/04	23:30:52	25.58	252.877	255.684	244.48	4.11	200.8	73	48.83	19.936	8.07	-92.3	10.5	10.3
09/30/04	00:00:52	26.2	249.959	255.688	240.32	4.11	197.1	73	48.8	19.99	8.06	-92	1.8	11.3
09/30/04	00:30:52	27.64	243.426	255.684	231.1	4.27	196.8	73	48.78	20.13	8.07	-92.5	-0.2	12
09/30/04	01:00:52	26.44	248.832	255.68	238.72	4.06	193.2	73	48.76	19.994	8.07	-92.4	-0.4	12.6
09/30/04	01:30:52	26.63	247.979	255.684	237.51	3.99	189.2	71	48.74	19.997	8.06	-92	-0	14.1
09/30/04	02:00:52	25.81	251.81	255.684	242.96	3.93	190.9	71	48.72	19.899	8.07	-92.3	-1.2	14.1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
09/30/04	02:30:52	26.55	248.321	255.684	238	3.96	188	70	48.71	19.973	8.07	-92.5	-0.9	14.7
09/30/04	03:00:52	26.39	249.086	255.684	239.08	3.9	186	71	48.71	19.959	8.07	-92.6	0.2	14.5
09/30/04	03:30:52	26.48	248.633	255.684	238.44	3.88	184.3	71	48.69	19.957	8.07	-92.4	-0.3	13.6
09/30/04	04:00:52	26.53	248.422	255.684	238.14	3.93	186.8	71	48.69	19.958	8.08	-92.8	-0.5	14.5
09/30/04	04:30:52	26.46	248.756	255.68	238.61	3.87	184.1	71	48.67	19.943	8.07	-92.7	-0.9	14.6
09/30/04	05:00:52	26.66	247.816	255.684	237.28	3.81	180.5	71	48.67	19.964	8.07	-92.6	-0.7	14.1
09/30/04	05:30:52	26.46	248.765	255.68	238.62	3.83	182.5	71	48.68	19.948	8.07	-92.2	0.1	13.7
09/30/04	06:00:52	26.34	249.282	255.684	239.36	3.87	184.6	71	48.68	19.934	8.07	-92.3	-0.9	12.8
09/30/04	06:30:52	26.53	248.426	255.68	238.15	3.83	182.2	71	48.69	19.961	8.06	-91.7	-1.1	13.9
09/30/04	07:00:52	26.33	249.358	255.684	239.47	3.81	182.1	71	48.7	19.941	8.06	-91.9	-0.7	13.6
09/30/04	07:30:52	25.37	253.887	255.684	245.93	3.69	181.6	71	48.69	19.83	8.06	-91.7	-1.3	15.1
09/30/04	08:00:52	25.83	251.714	255.688	242.82	3.68	178.5	71	48.69	19.881	8.06	-91.7	-1	15.3
09/30/04	08:30:52	26.96	246.462	255.684	235.37	3.82	179.4	71	48.66	19.989	8.05	-91.5	-0.3	16.7
09/30/04	09:00:52	27.31	244.89	255.68	233.16	3.88	180.3	71	48.66	20.022	8.04	-91.1	-1.1	17.4
09/30/04	09:30:52	26.61	248.043	255.68	237.6	3.97	188.3	71	48.65	19.943	8.04	-90.6	-1	16.8
09/30/04	10:00:52	25.84	251.642	255.68	242.72	4.08	197.9	70	48.63	19.847	8.03	-90	-0.9	15.8
09/30/04	10:30:52	26.22	249.878	255.684	240.2	4.09	196.1	70	48.6	19.875	8.03	-90	1.9	15.8
09/30/04	11:00:52	26.47	248.684	255.684	238.51	3.86	183.6	71	48.58	19.885	8.07	-92.2	-0.6	14.8
09/30/04	11:30:52	26.89	246.787	255.68	235.83	3.91	183.8	71	48.54	19.906	8.04	-90.8	-0.1	15.1
09/30/04	12:00:52	26.64	247.908	255.684	237.41	3.85	182.2	70	48.51	19.863	8.06	-92	-1.8	15.8
09/30/04	12:30:52	27.47	244.149	255.684	232.12	3.79	175.6	71	48.46	19.924	8.06	-92.3	6.3	98
09/30/04	13:00:52	27.24	245.176	255.688	233.56	3.77	175.7	71	48.44	19.884	8.08	-93.4	19.1	14.6
09/30/04	13:30:52	26.81	247.162	255.684	236.36	3.71	174.8	71	48.44	19.839	8.11	-94.8	34.2	15.5
09/30/04	14:00:52	27.25	245.165	255.684	233.54	3.76	175.2	73	48.43	19.882	8.13	-95.9	51.1	15.6
09/30/04	14:30:52	25.52	253.188	255.688	244.93	3.67	179.6	73	48.42	19.69	8.18	-98.4	70.6	15.8
09/30/04	15:00:52	25.6	252.803	255.684	244.38	3.91	190.9	73	48.42	19.696	8.17	-97.9	92.6	14.5
09/30/04	15:30:52	27.56	243.779	255.688	231.6	3.95	182.5	73	48.43	19.914	8.16	-97.8	113	14.4
09/30/04	16:00:52	27.51	244.01	255.691	231.92	3.92	181.6	73	48.44	19.913	8.17	-98.3	137.2	13.4
09/30/04	16:30:52	27.63	243.458	255.688	231.15	3.94	181.6	73	48.47	19.945	8.14	-96.8	157.6	12.9
09/30/04	17:00:52	25.89	251.411	255.688	242.39	3.93	190.3	73	48.51	19.782	8.13	-95.8	167.1	13.4
09/30/04	17:30:52	25.53	253.131	255.688	244.84	3.95	193.2	73	48.55	19.767	8.12	-94.8	177.6	13.9
09/30/04	18:00:52	26.72	247.559	255.691	236.92	3.99	188.5	74	48.58	19.917	8.13	-95.8	182.4	14.5
09/30/04	18:30:52	26.65	247.878	255.688	237.37	4.08	192.9	74	48.63	19.936	8.12	-95.2	176.9	15.5
09/30/04	19:00:52	25.5	253.249	255.688	245.01	4.1	200.9	74	48.68	19.844	8.13	-95.5	171.2	15.3
09/30/04	19:30:52	27.54	243.839	255.688	231.68	4.07	188.1	76	48.73	20.09	8.12	-95.3	165.1	15.9
09/30/04	20:00:52	27.35	244.712	255.691	232.91	3.87	180	76	48.79	20.106	8.13	-95.8	150.7	16.3
09/30/04	20:30:52	27.44	244.296	255.688	232.32	3.92	181.6	76	48.84	20.142	8.14	-96.8	135.4	14.9
09/30/04	21:00:52	26.5	248.552	255.691	238.32	4.06	193.2	74	48.88	20.068	8.14	-96.4	114.6	26
09/30/04	21:30:52	26.7	247.643	255.691	237.04	3.95	186.8	74	48.91	20.106	8.15	-96.7	92.3	19.5
09/30/04	22:00:52	27.56	243.75	255.688	231.56	4.01	185.4	74	48.95	20.222	8.12	-95.5	70.7	26.1
09/30/04	22:30:52	27.64	243.397	255.688	231.06	3.88	179	74	48.97	20.24	8.11	-94.8	47.9	26.1
09/30/04	23:00:52	26.8	247.2	255.684	236.41	4.01	189	73	48.98	20.162	8.08	-93.3	27.7	31.3
09/30/04	23:30:52	25.86	251.567	255.688	242.61	3.98	192.7	73	49	20.068	8.07	-92	11.1	28.1
10/01/04	00:00:52	26.37	249.163	255.684	239.19	3.95	188.5	73	49	20.128	8.06	-91.6	1.6	36.6
10/01/04	00:30:52	25.59	252.847	255.684	244.44	3.94	192.5	73	49	20.042	8.06	-91.6	-1.7	34.1
10/01/04	01:00:52	27.38	244.558	255.684	232.69	4.14	192	73	49	20.235	8.06	-91.9	-1.1	38.5
10/01/04	01:30:52	26.03	250.761	255.684	241.46	4	192.9	73	49	20.088	8.05	-91.4	-0.4	44
10/01/04	02:00:52	25.57	252.925	255.688	244.55	3.89	190.1	73	49.01	20.043	8.06	-91.6	-1.9	41
10/01/04	02:30:52	27.39	244.504	255.688	232.62	3.96	183.8	73	48.98	20.223	8.06	-91.8	-1.3	49
10/01/04	03:00:52	26.38	249.137	255.684	239.15	3.92	186.8	71	48.98	20.112	8.06	-91.7	-0.2	45.3
10/01/04	03:30:52	26.25	249.741	255.684	240.01	3.83	183.6	73	48.97	20.093	8.06	-91.8	-1.3	48.9
10/01/04	04:00:52	25.7	252.301	255.684	243.66	3.76	183.2	73	48.96	20.029	8.06	-91.6	-1.3	43.4
10/01/04	04:30:52	27.09	245.865	255.684	234.53	3.92	183.5	71	48.95	20.174	8.06	-92	-1	48.6
10/01/04	05:00:52	27.63	243.45	255.684	231.14	3.92	180.8	73	48.94	20.222	8.06	-92.1	-0.8	45.9
10/01/04	05:30:52	26.07	250.555	255.684	241.17	3.83	184.5	73	48.92	20.043	8.06	-91.6	-0.7	39
10/01/04	06:00:52	26.24	249.749	255.688	240.02	3.84	184.1	73	48.92	20.062	8.06	-91.7	0.2	35.2
10/01/04	06:30:52	27.4	244.5	255.688	232.61	3.94	182.9	73	48.91	20.18	8.06	-91.8	-1.8	37.2
10/01/04	07:00:52	25.82	251.745	255.684	242.86	3.86	187	73	48.9	20.005	8.07	-92.1	0	37.9
10/01/04	07:30:52	26.39	249.065	255.688	239.05	3.82	182.3	73	48.88	20.055	8.06	-92	-1.1	36.2
10/01/04	08:00:52	26.87	246.87	255.688	235.94	3.78	177.7	71	48.86	20.095	8.07	-92.4	-0.7	40.1
10/01/04	08:30:52	27.49	244.076	255.68	232.02	3.79	175.6	73	48.84	20.149	8.06	-92	-2.9	44.5
10/01/04	09:00:52	27.38	244.57	255.684	232.71	3.77	175	73	48.81	20.122	8.06	-92.3	0	47.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/01/04	09:30:52	26.08	250.529	255.68	241.13	3.6	173.5	73	48.78	19.965	8.07	-92.3	-1.4	53.1
10/01/04	10:00:52	26.08	250.503	255.684	241.09	3.62	173.9	73	48.75	19.946	8.05	-91.4	0.1	50.9
10/01/04	10:30:52	26.19	249.993	255.684	240.37	3.69	176.9	73	48.72	19.939	8.07	-92.1	-1.1	49.1
10/01/04	11:00:52	27.13	245.7	255.684	234.3	3.68	172	73	48.67	20.013	8.06	-91.9	-0.3	46.7
10/01/04	11:30:52	27.61	243.563	255.688	231.3	3.73	172	73	48.64	20.041	8.04	-91	1.9	48
10/01/04	12:00:52	27.53	243.889	255.684	231.75	3.74	173.1	73	48.59	20.006	8.05	-91.7	0.2	40.3
10/01/04	12:30:52	26.39	249.082	255.684	239.07	3.75	178.8	73	48.56	19.868	8.06	-91.6	5.7	45.3
10/01/04	13:00:52	27.59	243.649	255.688	231.42	3.74	172.9	73	48.52	19.97	8.07	-92.7	22.3	19.4
10/01/04	13:30:52	27.5	244.019	255.688	231.93	3.72	172.3	73	48.48	19.934	8.08	-93.3	35.3	28.2
10/01/04	14:00:52	26.44	248.849	255.684	238.74	3.66	174.1	73	48.46	19.81	8.09	-93.4	51.7	24.3
10/01/04	14:30:52	26.88	246.82	255.688	235.87	3.73	175.5	73	48.42	19.839	8.11	-94.8	70	29.1
10/01/04	15:00:52	27.68	243.235	255.684	230.84	3.89	179.1	73	48.42	19.919	8.1	-94.6	42.8	26.4
10/01/04	15:30:52	26.15	250.207	255.688	240.67	3.74	179.6	74	48.41	19.752	8.13	-96	128.2	24.4
10/01/04	16:00:52	25.81	251.805	255.688	242.95	3.78	183.4	74	48.42	19.721	8.14	-96	140.6	29.3
10/01/04	16:30:52	26.97	246.395	255.688	235.28	3.88	181.8	74	48.43	19.85	8.12	-95.4	175.6	27.7
10/01/04	17:00:52	27.59	243.653	255.688	231.42	4.03	186.1	74	48.43	19.917	8.12	-95.3	182.2	32.8
10/01/04	17:30:52	26.81	247.137	255.688	236.32	3.97	187.1	74	48.47	19.861	8.12	-95	212.1	30.4
10/01/04	18:00:52	27.63	243.478	255.688	231.18	4.09	188.7	76	48.5	19.963	8.13	-95.9	213.2	34.8
10/01/04	18:30:52	27.7	243.138	255.691	230.7	4.24	195	76	48.55	19.999	8.12	-95.6	205.3	35
10/01/04	19:00:52	26.77	247.341	255.695	236.61	3.98	187.9	77	48.6	19.93	8.13	-96	193.6	30.8
10/01/04	19:30:52	26.23	249.839	255.691	240.15	4.14	198.6	76	48.65	19.905	8.13	-95.5	188.5	32.6
10/01/04	20:00:52	26.05	250.673	255.695	241.34	4.04	194.7	76	48.71	19.916	8.15	-96.9	172.9	36.7
10/01/04	20:30:52	27.58	243.677	255.691	231.46	4.27	197.1	76	48.76	20.109	8.1	-94.2	64.1	35.2
10/01/04	21:00:52	25.81	251.774	255.691	242.91	3.99	193.4	76	48.82	19.959	8.15	-96.8	132.5	258.9
10/01/04	21:30:52	25.65	252.54	255.691	244	3.99	194.5	76	48.86	19.965	8.14	-96.4	105.5	35.7
10/01/04	22:00:52	25.57	252.92	255.688	244.54	3.99	194.9	76	48.91	19.985	8.1	-93.9	77.7	33.1
10/01/04	22:30:52	25.74	252.118	255.688	243.4	3.9	189.4	76	48.94	20.021	8.1	-94.2	54	35.7
10/01/04	23:00:52	26.93	246.616	255.688	235.59	4.02	188.9	76	48.98	20.173	8.07	-92.7	28.7	39.4
10/01/04	23:30:52	26.77	247.308	255.688	236.56	3.99	188.3	74	49	20.168	8.06	-91.7	11.7	45.5
10/02/04	00:00:52	25.6	252.794	255.688	244.36	4.01	195.8	74	49.02	20.05	8.05	-91.1	1.4	46.2
10/02/04	00:30:52	26.13	250.271	255.684	240.76	4.01	192.4	74	49.03	20.115	8.05	-91	-0.3	49.1
10/02/04	01:00:52	27.56	243.759	255.684	231.57	4.03	186.2	74	49.04	20.275	8.04	-90.8	0.1	55
10/02/04	01:30:52	27.67	243.292	255.688	230.92	4	184.2	74	49.05	20.291	8.04	-91.1	-2	64.9
10/02/04	02:00:52	25.54	253.074	255.688	244.76	3.81	186.3	73	49.04	20.057	8.05	-90.9	0.8	58.2
10/02/04	02:30:52	26.17	250.087	255.684	240.5	3.89	186.5	73	49.04	20.13	8.04	-90.6	-1.1	56.3
10/02/04	03:00:52	26.97	246.437	255.688	235.33	3.98	186.6	73	49.04	20.216	8.04	-90.6	-0.4	61.8
10/02/04	03:30:52	26.3	249.486	255.684	239.65	3.95	189.1	73	49.04	20.14	8.03	-90.1	-0.5	66.7
10/02/04	04:00:52	25.44	253.566	255.684	245.47	3.93	192.9	73	49.02	20.037	8.02	-89.5	-1.4	63.5
10/02/04	04:30:52	25.58	252.899	255.684	244.51	3.92	191.5	73	49	20.041	8.03	-90	1.9	60.6
10/02/04	05:00:52	27.76	242.892	255.688	230.36	4.05	186.4	73	48.99	20.264	8.02	-90	-0.7	53.7
10/02/04	05:30:52	27.57	243.705	255.688	231.5	4.04	186.6	73	48.97	20.233	8.03	-90.1	0.1	58.1
10/02/04	06:00:52	25.48	253.359	255.688	245.17	3.87	189.5	73	48.95	20.001	8.04	-90.2	1.2	60.9
10/02/04	06:30:52	27.6	243.596	255.684	231.34	4	184.8	73	48.94	20.218	8.02	-89.8	-1.1	62.8
10/02/04	07:00:52	27.08	245.906	255.688	234.59	3.96	185.3	73	48.93	20.162	8.03	-90.2	-0.2	66.1
10/02/04	07:30:52	25.71	252.245	255.684	243.58	3.9	189.5	73	48.91	20.002	8.03	-90	-2.4	56.8
10/02/04	08:00:52	27.36	244.664	255.688	232.84	3.97	184.2	73	48.89	20.166	8.02	-89.7	0.6	60.7
10/02/04	08:30:52	27.59	243.657	255.688	231.43	4.07	187.9	73	48.86	20.17	8.02	-89.7	0.5	67.6
10/02/04	09:00:52	27.37	244.627	255.688	232.79	4.1	190.3	73	48.84	20.136	8.02	-89.5	-1	63.5
10/02/04	09:30:52	25.94	251.174	255.688	242.05	4.09	197.8	73	48.81	19.966	8.02	-89.3	-1.5	66.5
10/02/04	10:00:52	27.41	244.418	255.688	232.5	4.21	195.1	73	48.76	20.096	8.01	-89	0.3	75.6
10/02/04	10:30:52	26.63	247.984	255.684	237.52	4.16	197.2	73	48.73	19.996	8.01	-88.9	-0.3	62.6
10/02/04	11:00:52	25.8	251.836	255.688	242.99	3.84	186.2	73	48.71	19.893	8.04	-90.5	-0.9	56.4
10/02/04	11:30:52	26.19	250.014	255.688	240.4	3.88	186	73	48.65	19.901	8.03	-90.3	-1.6	57.9
10/02/04	12:00:52	27.5	244.027	255.684	231.95	3.9	180.4	73	48.61	20.011	8.03	-90.6	0.4	54.6
10/02/04	12:30:52	27.31	244.889	255.688	233.16	3.86	179.5	74	48.56	19.961	8.04	-90.8	6.5	56.8
10/02/04	13:00:52	27.75	242.924	255.688	230.4	5.97	274.6	79	48.52	19.984	8.07	-92.6	20.9	55.8
10/02/04	13:30:52	25.69	252.371	255.684	243.76	3.59	174.6	73	48.48	19.742	8.06	-91.8	27	39.6
10/02/04	14:00:52	27.74	242.964	255.688	230.46	3.58	164.7	74	48.44	19.938	8.09	-93.7	68.7	39.9
10/02/04	14:30:52	26.52	248.472	255.688	238.21	3.53	167.8	76	48.42	19.795	8.1	-94.2	79.3	18
10/02/04	15:00:52	26.52	248.451	255.688	238.18	3.52	167.4	74	48.38	19.775	8.1	-94.1	102.2	39
10/02/04	15:30:52	26.73	247.509	255.688	236.85	3.59	169.7	74	48.35	19.781	8.09	-93.4	143.5	49.5
10/02/04	16:00:52	27.26	245.098	255.691	233.45	3.72	173.2	76	48.35	19.833	8.1	-94.3	143.3	34.6

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/02/04	16:30:52	25.48	253.367	255.691	245.18	3.7	181.5	76	48.35	19.646	8.1	-93.9	131.7	36.9
10/02/04	17:00:52	25.57	252.959	255.695	244.6	3.71	181.2	76	48.36	19.662	8.11	-94.6	158.2	33.9
10/02/04	17:30:52	26.51	248.531	255.691	238.29	3.86	183.3	76	48.37	19.769	8.09	-93.7	156.9	32.3
10/02/04	18:00:52	25.62	252.68	255.688	244.2	3.96	193.1	76	48.39	19.687	8.08	-92.7	100.2	37.1
10/02/04	18:30:52	27.15	245.592	255.691	234.14	4.02	187.7	76	48.43	19.87	8.08	-93.3	213.6	37.1
10/02/04	19:00:52	27.28	245.004	255.691	233.32	4.12	191.8	76	48.44	19.889	8.08	-92.8	161.4	35.3
10/02/04	19:30:52	26.89	246.778	255.688	235.82	4.1	193	76	48.48	19.873	8.09	-93.8	189.5	32.7
10/02/04	20:00:52	25.83	251.705	255.691	242.81	4.11	199.2	76	48.57	19.811	8.1	-93.7	122.7	39.3
10/02/04	20:30:52	25.49	253.314	255.691	245.11	4.04	197.7	77	48.61	19.8	8.09	-93.3	102.1	35.4
10/02/04	21:00:52	25.93	251.208	255.688	242.1	4.05	195.5	76	48.66	19.879	8.11	-94.3	99	37.5
10/02/04	21:30:52	25.59	252.829	255.688	244.41	4.02	196	76	48.73	19.879	8.11	-94.2	87	34.1
10/02/04	22:00:52	26.38	249.107	255.688	239.11	4.16	198.6	76	48.79	20.001	8.09	-93.4	65.2	36.1
10/02/04	22:30:52	25.7	252.322	255.688	243.69	4.14	201.6	76	48.84	19.956	8.09	-93.1	50	38
10/02/04	23:00:52	26.39	249.065	255.688	239.05	4.12	196.4	76	48.88	20.06	8.05	-91.3	12	35.6
10/02/04	23:30:52	26.58	248.215	255.684	237.85	4.11	195.1	76	48.93	20.104	8.04	-90.9	6.5	42.4
10/03/04	00:00:52	26.66	247.836	255.688	237.31	4.08	193.2	74	48.97	20.142	8.04	-90.8	0.5	49.7
10/03/04	00:30:52	27.63	243.47	255.688	231.17	4.08	188.1	76	48.99	20.253	8.04	-90.9	-0.7	47.9
10/03/04	01:00:52	25.8	251.818	255.688	242.97	3.95	191.8	74	49.03	20.079	8.05	-90.9	-1.2	45.2
10/03/04	01:30:52	27.64	243.405	255.688	231.08	4.01	185.1	74	49.06	20.294	8.04	-90.8	-1.7	61.4
10/03/04	02:00:52	25.59	252.829	255.688	244.41	3.9	190.3	74	49.08	20.087	8.04	-90.5	-0.9	52.5
10/03/04	02:30:52	26.88	246.82	255.688	235.87	4	188.1	74	49.11	20.247	8.04	-90.6	-0.7	60.7
10/03/04	03:00:52	25.79	251.888	255.684	243.07	3.88	188.2	74	49.1	20.121	8.04	-90.6	-0.7	60.2
10/03/04	03:30:52	27.54	243.852	255.688	231.7	4.01	185.2	74	49.1	20.31	8.04	-90.8	-3.2	53.3
10/03/04	04:00:52	26.55	248.32	255.688	238	4.05	192.4	74	49.09	20.196	8.04	-90.6	-1	48.5
10/03/04	04:30:52	25.54	253.091	255.688	244.79	3.88	189.8	73	49.09	20.085	8.04	-90.4	-0.3	64
10/03/04	05:00:52	27.72	243.077	255.688	230.62	4.01	184.6	74	49.08	20.314	8.03	-90.4	0.8	51.5
10/03/04	05:30:52	27.13	245.683	255.688	234.27	4	187.1	74	49.07	20.246	8.03	-90.3	-1	53.5
10/03/04	06:00:52	26.88	246.841	255.684	235.9	4.12	193.6	76	49.04	20.207	8.03	-90.5	-1.2	53.7
10/03/04	06:30:52	27.31	244.881	255.688	233.14	3.95	183.5	74	49.02	20.239	8.02	-90	-1	46.3
10/03/04	07:00:52	25.66	252.484	255.688	243.92	3.86	187.9	73	48.99	20.043	8.03	-89.8	-0.4	55.7
10/03/04	07:30:52	25.72	252.209	255.688	243.53	3.93	190.9	73	48.96	20.032	8.02	-89.2	-0.1	47.4
10/03/04	08:00:52	27.43	244.345	255.688	232.39	4.07	188.6	73	48.95	20.21	8	-88.7	-0.5	49.9
10/03/04	08:30:52	26.73	247.505	255.688	236.84	4.27	201.9	73	48.93	20.121	8	-88.4	-1.1	64.8
10/03/04	09:00:52	27.44	244.316	255.688	232.35	4.34	201.2	73	48.89	20.172	8	-88.6	-3.8	51.8
10/03/04	09:30:52	25.67	252.466	255.688	243.89	4.23	206.2	73	48.84	19.955	8	-88.5	-1.6	53.7
10/03/04	10:00:52	25.91	251.329	255.688	242.27	4.33	209.5	73	48.8	19.956	8	-88.4	-0.6	54.3
10/03/04	10:30:52	25.54	253.069	255.688	244.76	4.49	219.3	73	48.76	19.893	8	-88	0.3	59.5
10/03/04	11:00:52	26.46	248.756	255.684	238.61	4.71	224.1	73	48.76	19.991	7.98	-87.3	-1.1	63.3
10/03/04	11:30:52	27.17	245.518	255.688	234.04	4.83	225.7	73	48.7	20.031	7.97	-87	-1.5	49.9
10/03/04	12:00:52	27.58	243.665	255.688	231.44	5	230.8	73	48.65	20.047	7.97	-86.7	-0.7	52.6
10/03/04	12:30:52	27.02	246.2	255.688	235	5.11	239.6	73	48.59	19.95	7.98	-87.4	3.9	48.4
10/03/04	13:00:52	26.31	249.434	255.688	239.57	4.42	211.5	73	48.56	19.858	8.01	-89.1	21.7	45.2
10/03/04	13:30:52	26.4	249.009	255.688	238.97	4	190.6	74	48.5	19.835	8.05	-91.1	39	49.3
10/03/04	14:00:52	27.68	243.231	255.691	230.83	3.94	181.6	76	48.47	19.946	8.05	-91.7	52.4	42.5
10/03/04	14:30:52	25.58	252.876	255.691	244.48	3.79	185.1	76	48.42	19.696	8.08	-92.7	73.8	43.3
10/03/04	15:00:52	27.65	243.356	255.691	231.01	3.9	180	74	48.38	19.893	8.07	-92.8	76.3	49.6
10/03/04	15:30:52	27.03	246.129	255.691	234.9	3.91	183.1	76	48.36	19.819	8.09	-93.6	120.6	51
10/03/04	16:00:52	25.73	252.16	255.695	243.46	3.96	192.3	76	48.33	19.66	8.09	-93.2	132.2	41.8
10/03/04	16:30:52	25.9	251.371	255.695	242.33	3.98	192.3	76	48.31	19.668	8.08	-92.8	145.2	41.5
10/03/04	17:00:52	25.83	251.692	255.691	242.79	4.06	196.9	77	48.31	19.659	8.08	-92.8	161.5	56.9
10/03/04	17:30:52	25.61	252.728	255.691	244.27	4.05	197.6	77	48.31	19.633	8.08	-92.7	171.2	46.3
10/03/04	18:00:52	25.58	252.889	255.691	244.5	4.05	197.7	77	48.33	19.641	8.07	-92.4	174.6	47.8
10/03/04	18:30:52	26.82	247.099	255.691	236.27	4.1	193.4	77	48.32	19.771	8.07	-92.3	176.2	50.4
10/03/04	19:00:52	25.57	252.928	255.695	244.55	4.09	200	77	48.35	19.654	8.07	-92	102.5	50
10/03/04	19:30:52	26.54	248.408	255.695	238.12	4.05	192.5	79	48.39	19.782	8.07	-92.3	169.6	51.6
10/03/04	20:00:52	27.6	243.591	255.691	231.34	4.17	192.5	77	48.42	19.913	8.07	-92.9	152.6	53
10/03/04	20:30:52	25.78	251.944	255.691	243.15	4.11	199.5	77	48.48	19.751	8.07	-92.3	123	53.8
10/03/04	21:00:52	26.75	247.429	255.691	236.73	4.1	193.5	77	48.54	19.894	8.07	-92.4	93.1	56.5
10/03/04	21:30:52	27.25	245.147	255.691	233.52	4.16	193.8	77	48.59	19.978	8.07	-92.6	93.7	49.6
10/03/04	22:00:52	27.47	244.177	255.688	232.16	4.24	196.5	76	48.67	20.044	8.06	-91.9	57.5	53.4
10/03/04	22:30:52	26.42	248.925	255.688	238.85	4.14	197.4	76	48.7	19.954	8.06	-91.6	42.5	56.8
10/03/04	23:00:52	25.8	251.84	255.688	243	4.23	205.1	76	48.78	19.935	8.04	-90.8	13.5	68.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/03/04	23:30:52	26.88	246.836	255.688	235.9	4.18	196.5	76	48.83	20.076	8.04	-90.6	5.3	61.5
10/04/04	00:00:52	25.51	253.227	255.688	244.98	4	196	76	48.86	19.949	8.04	-90.6	-0.1	71.2
10/04/04	00:30:52	26.78	247.271	255.684	236.51	4.04	190.8	76	48.92	20.123	8.03	-90.4	3.1	63.9
10/04/04	01:00:52	25.65	252.536	255.684	243.99	3.92	190.9	76	48.98	20.033	8.04	-90.5	0.3	54.9
10/04/04	01:30:52	26.19	250.023	255.688	240.41	3.94	188.9	76	49.03	20.122	8.04	-90.7	-0.8	58.3
10/04/04	02:00:52	25.64	252.615	255.684	244.11	3.89	189.7	76	49.05	20.076	8.04	-90.6	0.8	65.1
10/04/04	02:30:52	25.96	251.105	255.688	241.95	3.82	184.4	76	49.09	20.134	8.04	-90.9	-0.3	55.3
10/04/04	03:00:52	26.4	249.048	255.688	239.03	3.8	181.4	76	49.11	20.191	8.04	-90.9	-0.8	62.2
10/04/04	03:30:52	25.61	252.719	255.688	244.26	3.71	181.1	76	49.13	20.121	8.04	-90.8	-0.3	68.6
10/04/04	04:00:52	25.67	252.441	255.684	243.86	3.75	182.9	76	49.15	20.136	8.04	-90.6	0.4	58.7
10/04/04	04:30:52	26.26	249.673	255.688	239.91	3.77	180.5	76	49.14	20.2	8.04	-90.6	1	68
10/04/04	05:00:52	26.53	248.438	255.688	238.16	3.8	180.6	74	49.11	20.209	8.04	-90.8	0.6	59.3
10/04/04	05:30:52	27.25	245.168	255.688	233.55	3.93	182.9	76	49.1	20.281	8.04	-90.7	-0.6	65.1
10/04/04	06:00:52	26.65	247.862	255.684	237.35	3.79	179.4	76	49.09	20.208	8.05	-91	-1.1	78.7
10/04/04	06:30:52	27.01	246.213	255.688	235.02	3.86	181.1	76	49.08	20.243	8.04	-91	-0.9	72.6
10/04/04	07:00:52	25.78	251.919	255.684	243.11	3.73	181.2	74	49.05	20.092	8.05	-90.9	0.6	70.1
10/04/04	07:30:52	26.94	246.553	255.688	235.5	3.81	179.1	76	49.06	20.22	8.04	-90.9	-1.6	74.5
10/04/04	08:00:52	26.81	247.166	255.688	236.36	3.84	180.8	74	49.02	20.185	8.03	-90.4	-0.7	86.3
10/04/04	08:30:52	27.58	243.697	255.688	231.48	4	184.6	74	49	20.25	8.02	-89.8	-1.5	103.8
10/04/04	09:00:52	26.44	248.836	255.688	238.73	3.94	187.7	74	49	20.133	8.03	-89.9	-1.5	90.6
10/04/04	09:30:52	26.58	248.198	255.688	237.82	4.05	192.3	76	48.93	20.108	8.02	-89.4	-0.7	89.9
10/04/04	10:00:52	27.11	245.795	255.688	234.43	4.07	190.5	74	48.88	20.134	8.02	-89.5	-1.4	84.7
10/04/04	10:30:52	27.4	244.467	255.688	232.56	4.21	195.3	74	48.86	20.152	8.01	-88.9	-1	85.8
10/04/04	11:00:52	25.64	252.601	255.688	244.09	4.4	214.6	74	48.85	19.956	8	-88	-0.8	91.3
10/04/04	11:30:52	26.49	248.595	255.688	238.38	4.63	220.1	74	48.78	20.008	7.98	-87.5	-1.4	85.6
10/04/04	12:00:52	25.58	252.895	255.684	244.51	4.46	218	74	48.77	19.901	8	-88	0.3	82
10/04/04	12:30:52	25.76	252.018	255.688	243.25	4.27	207.3	74	48.7	19.88	8.01	-88.9	5.7	80.7
10/04/04	13:00:52	27.53	243.88	255.688	231.74	4.3	198.6	74	48.67	20.051	8.02	-89.6	17.1	78.3
10/04/04	13:30:52	27.61	243.531	255.688	231.25	4.26	196.7	76	48.64	20.043	8.03	-90.5	30.1	72.4
10/04/04	14:00:52	25.46	253.477	255.688	245.34	3.89	190.9	76	48.59	19.785	8.06	-91.4	48	67.8
10/04/04	14:30:52	27.45	244.251	255.688	232.26	4	185.5	76	48.57	19.985	8.04	-91.1	64.4	71.7
10/04/04	15:00:52	26.85	246.944	255.691	236.05	3.97	186.8	76	48.54	19.904	8.06	-91.9	82.6	71.3
10/04/04	15:30:52	25.64	252.597	255.688	244.08	3.79	184.8	76	48.52	19.761	8.07	-92.5	103	71.1
10/04/04	16:00:52	26.14	250.249	255.691	240.73	3.88	186.4	76	48.41	19.749	8.08	-92.7	116.4	72
10/04/04	16:30:52	25.48	253.358	255.695	245.17	3.85	188.8	76	48.39	19.669	8.07	-92.5	129	71.9
10/04/04	17:00:52	25.51	253.214	255.688	244.96	3.87	189.4	77	48.4	19.676	8.07	-92.2	148.9	72.6
10/04/04	17:30:52	27.73	243.021	255.691	230.54	4.04	185.9	77	48.37	19.896	8.06	-91.9	157.1	75.9
10/04/04	18:00:52	27.27	245.07	255.688	233.41	3.99	185.9	77	48.4	19.863	8.07	-92.3	160.5	70.6
10/04/04	18:30:52	27.08	245.906	255.688	234.59	4.03	188.3	77	48.36	19.821	8.07	-92.6	160	77.3
10/04/04	19:00:52	27.07	245.98	255.691	234.69	4.23	197.8	77	48.37	19.824	8.05	-91.3	56.9	63.2
10/04/04	19:30:52	26.66	247.849	255.688	237.33	4.19	198.2	77	48.33	19.763	8.07	-92.4	143.4	77.6
10/04/04	20:00:52	25.5	253.257	255.691	245.03	4.03	197.5	79	48.37	19.66	8.07	-92.3	153.4	80
10/04/04	20:30:52	27.3	244.906	255.684	233.18	4.21	195.7	77	48.41	19.876	8.06	-92	56.9	72.3
10/04/04	21:00:52	26.78	247.258	255.688	236.49	4.29	202.2	79	48.47	19.858	8.06	-91.7	71	63.5
10/04/04	21:30:52	25.58	252.88	255.691	244.49	4.22	206.1	79	48.53	19.763	8.06	-91.5	75.7	57.1
10/04/04	22:00:52	25.48	253.372	255.688	245.19	4.13	202.4	77	48.58	19.78	8.06	-91.8	53.9	67.6
10/04/04	22:30:52	27.65	243.357	255.688	231.01	4.32	198.9	77	48.57	20.006	8.04	-90.9	28.8	68.9
10/04/04	23:00:52	25.48	253.35	255.684	245.16	4.08	199.8	77	48.67	19.833	8.04	-90.8	14.5	65.9
10/04/04	23:30:52	26.22	249.886	255.688	240.22	4.08	195.4	77	48.77	19.974	8.04	-90.5	8.8	67.8
10/05/04	00:00:52	25.61	252.737	255.688	244.28	4.02	196.4	76	48.76	19.9	8.04	-90.6	-0.9	75.6
10/05/04	00:30:52	25.67	252.475	255.688	243.91	4.09	199	76	48.86	19.966	8.04	-90.5	-1.3	78.3
10/05/04	01:00:52	27.21	245.337	255.688	233.79	4.1	191	76	48.89	20.15	8.04	-90.8	-1.3	75.2
10/05/04	01:30:52	27.19	245.416	255.684	233.9	4.07	189.6	76	48.95	20.182	8.03	-90.5	-0.8	76.2
10/05/04	02:00:52	25.56	252.982	255.684	244.63	3.94	192.3	76	48.95	20.005	8.04	-90.4	-0.3	100.8
10/05/04	02:30:52	26.27	249.618	255.684	239.84	3.95	189.1	76	48.94	20.082	8.04	-90.5	-0.8	78.4
10/05/04	03:00:52	25.44	253.53	255.684	245.42	3.88	190.3	76	49.07	20.064	8.04	-90.5	-0.9	110.5
10/05/04	03:30:52	26.22	249.856	255.688	240.17	3.95	189.4	76	49.06	20.146	8.03	-90.3	-0.8	109
10/05/04	04:00:52	26.41	248.98	255.688	238.93	3.96	188.6	76	49.05	20.16	8.03	-90.2	-1.1	83
10/05/04	04:30:52	27.31	244.869	255.688	233.13	4.38	203.5	76	49.11	20.291	8.03	-90.1	-0.7	83.6
10/05/04	05:00:52	26.92	246.657	255.688	235.64	3.99	187.5	76	49.08	20.23	8.02	-89.6	1.6	81.6
10/05/04	05:30:52	27.1	245.811	255.688	234.45	4	187.2	76	49.08	20.253	8.02	-89.5	-0.7	95.5
10/05/04	06:00:52	26.86	246.92	255.684	236.02	4.06	190.9	76	49.05	20.206	8.01	-89.2	-1.2	88.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/05/04	06:30:52	25.65	252.553	255.688	244.02	3.99	194.4	76	49.04	20.072	8.02	-89.1	-1.1	77
10/05/04	07:00:52	25.89	251.395	255.684	242.36	4.02	194.7	76	49	20.073	8.01	-88.9	-0.4	107.9
10/05/04	07:30:52	26.46	248.735	255.684	238.58	4.18	198.7	76	48.96	20.114	8.01	-88.9	-0.4	86.6
10/05/04	08:00:52	25.62	252.702	255.684	244.23	4.18	204.1	76	48.98	20.031	8	-88.6	-1.3	105.8
10/05/04	08:30:52	25.77	251.954	255.68	243.16	4.2	204	76	48.95	20.03	8.01	-88.7	-3	105.1
10/05/04	09:00:52	26.66	247.841	255.684	237.32	4.49	212.4	74	48.92	20.111	7.99	-87.8	-2.6	106.2
10/05/04	09:30:52	26.93	246.599	255.684	235.56	4.64	218.1	74	48.92	20.136	7.99	-87.8	-1.5	106
10/05/04	10:00:52	27.47	244.169	255.688	232.15	4.59	212.6	76	48.93	20.199	7.98	-87.7	-0.8	114.5
10/05/04	10:30:52	27.02	246.201	255.684	235	4.87	228.4	76	48.84	20.098	7.98	-87.2	-0.5	80.7
10/05/04	11:00:52	27.1	245.812	255.684	234.45	5	233.6	76	48.83	20.106	7.97	-87	-1.2	123.3
10/05/04	11:30:52	26.8	247.212	255.688	236.43	5.05	237.9	76	48.8	20.056	7.97	-86.8	-2.8	116.5
10/05/04	12:00:52	27.46	244.23	255.688	232.23	5.04	233.4	76	48.79	20.116	7.97	-86.7	0.2	111.8
10/05/04	12:30:52	25.46	253.443	255.684	245.29	5.02	246	74	48.78	19.894	7.97	-86.5	5.1	133.4
10/05/04	13:00:52	27.19	245.415	255.688	233.9	5.06	235.9	76	48.7	20.038	7.96	-86.4	12.5	106.8
10/05/04	13:30:52	25.72	252.209	255.691	243.53	4.9	238.1	76	48.66	19.856	7.98	-87	26.4	76.2
10/05/04	14:00:52	26.72	247.559	255.688	236.92	5.22	246.6	79	48.63	19.943	8.02	-89.6	37.3	92.7
10/05/04	14:30:52	26.6	248.13	255.691	237.73	4.22	200	77	48.58	19.898	8.03	-90.1	58.5	100.4
10/05/04	15:00:52	25.69	252.362	255.688	243.74	3.98	193.5	77	48.58	19.804	8.05	-90.8	70.5	100
10/05/04	15:30:52	26.65	247.883	255.684	237.38	3.98	188.3	77	48.49	19.854	8.03	-90.3	39.4	99.7
10/05/04	16:00:52	27.51	243.986	255.688	231.89	3.95	182.9	77	48.52	19.958	8.03	-90.3	42.5	99.9
10/05/04	16:30:52	25.55	253.043	255.688	244.72	3.83	187.3	77	48.45	19.71	8.04	-90.4	39	112.4
10/05/04	17:00:52	26.65	247.895	255.691	237.39	3.89	184.2	77	48.42	19.809	8.04	-90.8	48.3	112.9
10/05/04	17:30:52	26.94	246.553	255.688	235.5	3.81	179	77	48.36	19.809	8.05	-91.4	64.3	101.9
10/05/04	18:00:52	25.52	253.188	255.688	244.93	3.69	180.7	77	48.39	19.672	8.06	-91.8	107.1	99
10/05/04	18:30:52	27.52	243.937	255.688	231.82	3.85	178.1	79	48.36	19.869	8.06	-92	96.4	85
10/05/04	19:00:52	25.95	251.148	255.688	242.01	3.73	180	77	48.35	19.693	8.07	-92.3	111.4	97.9
10/05/04	19:30:52	26.12	250.318	255.691	240.83	3.79	182.2	77	48.31	19.69	8.06	-91.7	73.1	99.6
10/05/04	20:00:52	27.59	243.636	255.691	231.4	3.87	178.7	79	48.38	19.886	8.05	-91.7	95.6	100
10/05/04	20:30:52	25.64	252.597	255.688	244.08	3.8	185.3	79	48.37	19.675	8.07	-92.1	92.9	98.4
10/05/04	21:00:52	27.59	243.64	255.688	231.4	3.97	183.4	80	48.4	19.899	8.06	-92.2	70.2	101.5
10/05/04	21:30:52	27.03	246.13	255.688	234.9	4.01	187.7	79	48.41	19.846	8.06	-91.7	52.2	99.6
10/05/04	22:00:52	26.49	248.616	255.688	238.41	3.94	187.4	79	48.48	19.831	8.05	-91.1	37.9	104.2
10/05/04	22:30:52	26.19	249.997	255.688	240.37	3.94	188.9	79	48.55	19.839	8.04	-90.8	31.5	90.3
10/05/04	23:00:52	27.04	246.105	255.688	234.87	4.07	190.6	79	48.58	19.948	8.04	-90.6	16	95.2
10/05/04	23:30:52	25.47	253.429	255.684	245.27	3.94	193.3	77	48.63	19.806	8.03	-90.1	4.5	121
10/06/04	00:00:52	27.55	243.815	255.684	231.65	4.05	187.2	77	48.71	20.08	8.03	-90.1	0.9	121.7
10/06/04	00:30:52	26.26	249.656	255.684	239.89	3.95	189.2	77	48.75	19.965	8.03	-90.1	0.3	143.6
10/06/04	01:00:52	26.85	246.953	255.684	236.06	3.92	184.5	77	48.78	20.044	8.03	-90.2	-0.2	141.1
10/06/04	01:30:52	27.13	245.684	255.684	234.27	3.97	185.5	76	48.85	20.12	8.03	-90.1	-0.2	132.9
10/06/04	02:00:52	25.51	253.227	255.688	244.98	3.81	186.3	76	48.9	19.97	8.03	-90	0.4	124.4
10/06/04	02:30:52	26.06	250.602	255.684	241.23	3.86	185.8	77	48.95	20.063	8.03	-90.1	-0.9	124.5
10/06/04	03:00:52	27.2	245.382	255.688	233.85	3.91	182.2	76	49.01	20.22	8.02	-90	-0.1	337.6
10/06/04	03:30:52	26.24	249.763	255.684	240.04	3.85	184.3	76	49.04	20.138	8.03	-90	-0.2	126.9
10/06/04	04:00:52	26.62	248.013	255.684	237.56	3.82	181	76	49.04	20.175	8.03	-90	-0.9	136.7
10/06/04	04:30:52	27.23	245.235	255.68	233.64	3.95	184.3	76	49.08	20.267	8.02	-89.4	-0.6	119.6
10/06/04	05:00:52	25.39	253.781	255.684	245.78	3.74	183.7	76	49.06	20.053	8.04	-90.3	0.1	125.9
10/06/04	05:30:52	25.87	251.481	255.684	242.49	3.71	179.8	76	49.1	20.13	8.04	-90.4	0.2	124
10/06/04	06:00:52	25.43	253.596	255.684	245.51	3.68	180.6	76	49.11	20.084	8.04	-90.3	0.5	130.1
10/06/04	06:30:52	26.68	247.744	255.684	237.18	3.72	176.1	76	49.14	20.243	8.04	-90.5	-0.2	140.5
10/06/04	07:00:52	26.24	249.754	255.684	240.03	3.73	178.5	76	49.14	20.192	8.03	-90.2	-0.2	123.9
10/06/04	07:30:52	25.78	251.932	255.684	243.13	3.71	180	76	49.08	20.106	8.04	-90.5	0.7	117.9
10/06/04	08:00:52	27.33	244.787	255.684	233.01	3.79	176	76	49.08	20.275	8.03	-90.3	-0.1	122.3
10/06/04	08:30:52	26.16	250.134	255.684	240.57	3.67	176.3	77	49.04	20.126	8.03	-90.3	-0.5	132.3
10/06/04	09:00:52	25.38	253.834	255.684	245.85	3.62	178	76	49.03	20.035	8.04	-90.5	-0.6	129
10/06/04	09:30:52	27	246.292	255.684	235.13	3.75	175.6	76	49.03	20.208	8.03	-90.1	0.9	123.7
10/06/04	10:00:52	27.61	243.552	255.68	231.28	3.83	176.9	76	49	20.259	8.03	-90.3	0.5	128.6
10/06/04	10:30:52	25.35	253.988	255.684	246.07	3.63	178.6	76	48.98	20.002	8.04	-90.5	-0.7	131.4
10/06/04	11:00:52	26.06	250.632	255.684	241.28	3.69	177.6	76	48.95	20.063	8.03	-90.2	-0.9	217.4
10/06/04	11:30:52	27.34	244.75	255.684	232.96	3.77	175.1	76	48.89	20.165	8.03	-90.2	0.1	126
10/06/04	12:00:52	26.09	250.447	255.684	241.01	3.63	174.7	76	48.84	20	8.03	-90.3	0.3	127.1
10/06/04	12:30:52	27.31	244.889	255.684	233.16	3.73	173.4	77	48.87	20.149	8.03	-90.4	5.5	122.8
10/06/04	13:00:52	27.02	246.167	255.684	234.95	3.69	173	76	48.83	20.093	8.04	-90.6	12.6	107

Appendix 5
Water Quality Data

East Flower Garden Bank															
July 15, 2004 - December 3, 2004															
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/06/04	13:30:52	25.79	251.888	255.684	243.07	3.64	176.8	76	48.79	19.936	8.04	-90.8	21	102.9
10/06/04	14:00:52	26.39	249.09	255.684	239.09	3.66	174.6	77	48.74	19.973	8.04	-90.8	27.5	20.6
10/06/04	14:30:52	26.26	249.69	255.684	239.94	3.66	175.4	77	48.71	19.941	8.05	-91.1	41.8	61.4
10/06/04	15:00:52	25.39	253.798	255.688	245.8	3.56	174.9	77	48.67	19.821	8.05	-91.3	53.1	52.9
10/06/04	15:30:52	25.52	253.166	255.684	244.89	3.63	177.4	77	48.66	19.829	8.04	-90.6	29.9	54.6
10/06/04	16:00:52	25.83	251.693	255.684	242.79	3.71	179.8	77	48.61	19.834	8.04	-90.4	22.5	46.2
10/06/04	16:30:52	26.48	248.641	255.684	238.45	3.76	179.1	77	48.61	19.91	8.03	-90.3	22	73.2
10/06/04	17:00:52	25.58	252.882	255.68	244.49	3.72	181.7	77	48.5	19.747	8.03	-90.1	6	76
10/06/04	17:30:52	25.17	254.843	255.68	247.3	3.65	180.3	77	48.49	19.695	8.03	-89.9	10.9	79.3
10/06/04	18:00:52	25.57	252.917	255.68	244.54	3.67	179.5	77	48.46	19.718	8.03	-90.1	26.4	69.6
10/06/04	18:30:52	25.93	251.218	255.68	242.11	3.7	178.8	77	48.36	19.7	8.03	-90	25	77
10/06/04	19:00:52	25.16	254.923	255.684	247.41	3.62	179.1	77	48.41	19.644	8.04	-90.4	33.2	84
10/06/04	19:30:52	25.19	254.741	255.68	247.15	3.61	178.4	77	48.34	19.609	8.04	-90.4	36.6	86.9
10/06/04	20:00:52	27.2	245.383	255.684	233.85	3.76	175.1	77	48.39	19.85	8.04	-90.6	34.3	82.8
10/06/04	20:30:52	26.94	246.545	255.684	235.49	3.79	178	77	48.43	19.847	8.03	-90.5	27.7	89.1
10/06/04	21:00:52	27.27	245.078	255.684	233.42	3.79	176.2	77	48.47	19.907	8.03	-90.2	28.4	97.8
10/06/04	21:30:52	25.28	254.298	255.68	246.52	3.66	180.4	77	48.39	19.649	8.03	-90.1	22.6	5.7
10/06/04	22:00:52	27.41	244.447	255.684	232.54	3.83	177.6	77	48.43	19.898	8.03	-90.3	22.9	85.2
10/06/04	22:30:52	25.16	254.879	255.68	247.35	3.68	182.2	77	48.47	19.681	8.03	-90	13.3	47.2
10/06/04	23:00:52	27.11	245.771	255.68	234.4	3.78	176.9	77	48.52	19.922	8.02	-89.8	11.3	57
10/06/04	23:30:52	27.13	245.696	255.68	234.29	3.82	178.7	77	48.52	19.92	8.02	-89.8	4.4	85.8
10/07/04	00:00:52	27.32	244.845	255.68	233.09	3.82	177.7	76	48.6	19.99	8.02	-89.7	-2	57.1
10/07/04	00:30:52	25.73	252.154	255.68	243.45	3.69	179.5	77	48.61	19.824	8.03	-90.1	-0.8	80.2
10/07/04	01:00:52	26.36	249.214	255.68	239.26	3.7	176.8	77	48.72	19.957	8.03	-89.9	0.4	96.2
10/07/04	01:30:52	26.55	248.325	255.68	238	3.67	174.3	76	48.77	20.01	8.03	-90	-1.4	96.5
10/07/04	02:00:52	26.37	249.163	255.68	239.19	3.63	173.1	77	48.8	20.006	8.03	-89.8	-1	98.3
10/07/04	02:30:52	25.59	252.825	255.68	244.41	3.6	176	76	48.86	19.96	8.03	-89.8	-1.1	95
10/07/04	03:00:52	25.55	253.035	255.684	244.71	3.55	173.4	76	48.89	19.968	8.03	-89.8	-1.1	107.3
10/07/04	03:30:52	25.24	254.493	255.68	246.8	3.54	174.7	77	49.03	20.018	8.03	-90	-0.2	108.8
10/07/04	04:00:52	26.71	247.576	255.684	236.94	3.64	171.8	76	48.97	20.144	8.02	-89.7	-1.7	139.9
10/07/04	04:30:52	26.38	249.125	255.68	239.14	3.57	170.3	76	49.04	20.152	8.03	-90.3	-1.1	105.1
10/07/04	05:00:52	26.08	250.534	255.68	241.14	3.58	172.1	77	49.01	20.102	8.03	-90	-1.5	130
10/07/04	05:30:52	26.49	248.625	255.68	238.43	3.68	175	77	49.05	20.167	8.02	-89.7	-3.1	106
10/07/04	06:00:52	26.51	248.536	255.684	238.3	3.57	169.6	77	49	20.144	8.02	-89.8	-2.2	107.6
10/07/04	06:30:52	26.21	249.925	255.68	240.27	3.62	173.4	76	49.07	20.148	8.02	-89.5	0.3	119.2
10/07/04	07:00:52	26.63	247.95	255.684	237.47	3.63	171.9	76	49.05	20.186	8.02	-89.5	-1.3	109.8
10/07/04	07:30:52	26.25	249.721	255.676	239.98	3.56	170.2	76	49.01	20.119	8.02	-89.5	-2.5	114.3
10/07/04	08:00:52	26.88	246.795	255.68	235.84	3.6	169.2	77	49.04	20.203	8.03	-90.1	-1.7	124.2
10/07/04	08:30:52	25.45	253.509	255.68	245.39	3.5	171.5	77	49.06	20.061	8.03	-89.8	-0.4	112.1
10/07/04	09:00:52	25.34	254.02	255.68	246.12	3.49	171.8	77	48.95	19.984	8.03	-90	2.1	97.3
10/07/04	09:30:52	26.76	247.355	255.68	236.63	3.63	171.5	77	48.94	20.131	8.03	-90	-0	102.7
10/07/04	10:00:52	26.68	247.724	255.68	237.15	3.53	166.9	77	48.91	20.104	8.03	-90.1	-1.7	104.6
10/07/04	10:30:52	26.43	248.892	255.676	238.81	3.49	166.4	77	48.99	20.126	8.02	-89.7	-2.3	106.4
10/07/04	11:00:52	25.34	254.02	255.676	246.12	3.42	168.2	77	48.93	19.974	8.03	-89.8	0.2	99.3
10/07/04	11:30:52	26.03	250.753	255.676	241.45	3.47	167.3	77	48.89	20.026	8.02	-89.7	-3.8	101.8
10/07/04	12:00:52	25.42	253.628	255.68	245.56	3.43	168.1	77	48.87	19.946	8.03	-90	-0.8	97
10/07/04	12:30:52	25.11	255.146	255.68	247.74	3.36	166.3	76	48.88	19.916	8.03	-89.7	0.5	96.3
10/07/04	13:00:52	25.95	251.141	255.676	242	3.45	166.4	77	48.81	19.967	8.03	-89.9	6.6	80.2
10/07/04	13:30:52	26.24	249.751	255.676	240.02	3.46	165.7	77	48.86	20.028	8.03	-90	4.6	85.7
10/07/04	14:00:52	25.14	254.999	255.68	247.52	3.38	167.5	77	48.66	19.789	8.03	-89.9	0.7	80.8
10/07/04	14:30:52	25.1	255.209	255.676	247.83	3.32	164.8	77	48.71	19.813	8.03	-89.8	1.4	77
10/07/04	15:00:52	26.89	246.775	255.676	235.81	3.45	162.5	77	48.74	20.028	8.03	-90	5.1	80.1
10/07/04	15:30:52	25.2	254.689	255.676	247.08	3.39	167.4	76	48.69	19.813	8.03	-89.7	2.5	77.8
10/07/04	16:00:52	27.1	245.804	255.676	234.44	3.47	162.4	77	48.64	19.988	8.02	-89.8	3.5	81.6
10/07/04	16:30:52	27.13	245.692	255.68	234.29	3.5	163.5	77	48.64	19.996	8.02	-89.8	11.7	74.5
10/07/04	17:00:52	26.98	246.359	255.68	235.22	3.5	164.2	77	48.54	19.917	8.02	-89.7	11.3	79.6
10/07/04	17:30:52	27.2	245.383	255.676	233.85	3.54	165.2	77	48.64	19.997	8.02	-89.8	9.6	79.9
10/07/04	18:00:52	25.95	251.102	255.676	241.95	3.45	166.4	77	48.53	19.801	8.03	-89.8	13.1	79.4
10/07/04	18:30:52	25.17	254.87	255.68	247.34	3.41	168.4	77	48.5	19.698	8.03	-89.8	14.1	83.6
10/07/04	19:00:52	26.34	249.299	255.676	239.38	3.46	165.2	77	48.44	19.789	8.02	-89.8	20.4	78.3
10/07/04	19:30:52	25.23	254.551	255.68	246.88	3.37	166.5	77	48.45	19.678	8.03	-89.9	22.8	81.1
10/07/04	20:00:52	25.23	254.573	255.676	246.91	3.4	167.7	77	48.42	19.659	8.03	-89.8	18.4	79.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/07/04	20:30:52	25.6	252.781	255.68	244.34	3.44	167.7	77	48.39	19.683	8.03	-90	13.4	77.2
10/07/04	21:00:52	26.02	250.804	255.68	241.52	3.47	167.1	77	48.5	19.792	8.03	-89.9	20.6	81.5
10/07/04	21:30:52	25.13	255.035	255.676	247.58	3.42	169.1	77	48.46	19.671	8.03	-89.8	14	81.1
10/07/04	22:00:52	25.27	254.373	255.68	246.63	3.45	170.2	77	48.52	19.722	8.03	-90	14	79.4
10/07/04	22:30:52	25.08	255.311	255.68	247.97	3.46	171.6	77	48.51	19.692	8.03	-89.8	8.7	81.5
10/07/04	23:00:52	25.74	252.136	255.68	243.42	3.48	169.2	76	48.49	19.755	8.03	-89.7	4.7	84.4
10/07/04	23:30:52	26.31	249.452	255.68	239.6	3.52	168.1	77	48.52	19.834	8.02	-89.7	2	84.1
10/08/04	00:00:52	25.53	253.136	255.676	244.85	3.45	168.6	77	48.53	19.754	8.03	-89.7	-0.5	95.3
10/08/04	00:30:52	26.4	249.002	255.676	238.96	3.54	168.9	77	48.63	19.909	8.02	-89.7	-1.5	98.4
10/08/04	01:00:52	25.53	253.105	255.68	244.81	3.48	170.1	77	48.65	19.826	8.03	-89.8	-0.8	89.4
10/08/04	01:30:52	25.54	253.075	255.68	244.76	3.45	168.8	77	48.64	19.82	8.03	-89.7	-1.9	105
10/08/04	02:00:52	26.14	250.212	255.676	240.68	3.45	165.7	77	48.65	19.894	8.03	-89.9	-0.8	94.6
10/08/04	02:30:52	26.54	248.38	255.676	238.08	3.45	163.7	77	48.89	20.081	8.03	-90	-1.8	90.5
10/08/04	03:00:52	26.15	250.187	255.676	240.64	3.42	164.1	77	49.03	20.118	8.02	-89.8	-1.2	2.7
10/08/04	03:30:52	26.35	249.248	255.676	239.31	3.41	163	77	49.03	20.144	8.03	-89.8	-1.3	66.4
10/08/04	04:00:52	26.27	249.623	255.676	239.84	3.43	164.3	77	49.09	20.171	8.03	-90	-0.4	62.8
10/08/04	04:30:52	26.32	249.393	255.676	239.52	3.47	165.8	77	49.1	20.182	8.02	-89.5	-0.5	72.6
10/08/04	05:00:52	26.17	250.075	255.676	240.49	3.47	166.6	77	49.01	20.108	8.02	-89.8	-1	72.6
10/08/04	05:30:52	26.11	250.349	255.68	240.87	3.48	167.5	77	49.16	20.19	8.02	-89.6	-1.4	71
10/08/04	06:00:52	26.48	248.651	255.676	238.46	3.45	164.1	77	49.2	20.257	8.02	-89.8	-0.8	62.9
10/08/04	06:30:52	26.16	250.152	255.676	240.6	3.45	165.8	77	49.19	20.214	8.02	-89.7	-1.1	66.2
10/08/04	07:00:52	25.58	252.866	255.672	244.46	3.35	163.6	77	49.12	20.107	8.03	-89.7	-1.3	54.3
10/08/04	07:30:52	25.56	252.979	255.676	244.63	3.4	166.3	77	49.11	20.099	8.03	-89.7	-1.8	57.7
10/08/04	08:00:52	25.42	253.646	255.676	245.58	3.72	182.8	80	49.05	20.051	8.03	-90.1	-1	53.1
10/08/04	08:30:52	25.25	254.463	255.676	246.75	3.39	167.4	79	49.16	20.098	8.03	-89.7	-0.1	53.9
10/08/04	09:00:52	25.93	251.219	255.672	242.11	3.32	160.4	79	49.08	20.125	8.03	-89.8	1.2	43.4
10/08/04	09:30:52	26	250.87	255.672	241.62	3.28	158	77	48.84	19.992	8.02	-89.7	-0.5	44.6
10/08/04	10:00:52	25.97	251.003	255.676	241.81	3.31	159.9	79	48.8	19.962	8.02	-89.7	-1.2	36.6
10/08/04	10:30:52	25.58	252.879	255.672	244.48	3.23	157.9	77	48.95	20.01	8.03	-89.7	-0.8	37.8
10/08/04	11:00:52	26.43	248.888	255.672	238.8	3.28	156	77	49.03	20.147	8.02	-89.8	-2.1	39.7
10/08/04	11:30:52	25.98	250.96	255.672	241.74	3.3	159.2	77	49.12	20.157	8.03	-89.8	-2.3	31.8
10/08/04	12:00:52	26.42	248.943	255.672	238.88	3.38	161.2	77	48.75	19.985	8.02	-89.8	-0.5	34.9
10/08/04	12:30:52	25.18	254.782	255.672	247.21	3.31	163.6	77	48.97	19.979	8.03	-89.6	0.9	43.3
10/08/04	13:00:52	26.17	250.106	255.672	240.53	3.33	159.7	77	48.87	20.028	8.03	-89.8	2.6	40.6
10/08/04	13:30:52	25.96	251.093	255.676	241.93	3.34	161.1	77	48.84	19.986	8.02	-89.7	6.6	44.4
10/08/04	14:00:52	25.01	255.633	255.672	248.44	3.36	166.9	77	48.85	19.885	8.02	-89.5	9.6	42.7
10/08/04	14:30:52	25.03	255.513	255.672	248.26	3.32	165	77	48.9	19.917	8.02	-89.5	1.9	35.9
10/08/04	15:00:52	26.14	250.23	255.672	240.71	3.45	165.6	79	48.85	20.011	8.02	-89.6	6.9	44.1
10/08/04	15:30:52	24.98	255.776	255.672	248.64	3.32	165.4	77	48.71	19.8	8.02	-89.4	3.7	38
10/08/04	16:00:52	26.25	249.721	255.676	239.98	3.43	164.2	77	48.75	19.967	8.02	-89.5	17	53.7
10/08/04	16:30:52	25.29	254.268	255.672	246.47	3.47	171	77	48.91	19.954	8.02	-89.5	8.9	44.3
10/08/04	17:00:52	25.88	251.461	255.672	242.46	3.36	162.8	76	48.57	19.819	8.02	-89.5	13.4	34.9
10/08/04	17:30:52	26.1	250.405	255.676	240.95	3.34	160.6	77	48.54	19.826	8.02	-89.4	10.2	41.5
10/08/04	18:00:52	26.18	250.041	255.676	240.44	3.37	161.4	77	48.15	19.605	8.02	-89.4	20.6	37.1
10/08/04	18:30:52	25.37	253.875	255.672	245.91	3.32	163.3	79	48.62	19.792	8.02	-89.4	6.5	42.2
10/08/04	19:00:52	26.69	247.678	255.676	237.09	3.39	160.4	79	47.57	19.312	8.02	-89.4	30.9	33.5
10/08/04	19:30:52	25.07	255.347	255.676	248.02	3.41	169.3	79	48.55	19.714	8.02	-89.5	19.9	24.7
10/08/04	20:00:52	25.43	253.575	255.676	245.48	3.4	166.6	79	48.45	19.7	8.02	-89.5	7.7	34.5
10/08/04	20:30:52	27.04	246.086	255.672	234.84	3.47	162.5	79	48.53	19.921	8.02	-89.6	14.5	27.8
10/08/04	21:00:52	24.95	255.933	255.672	248.87	3.31	164.7	79	48.66	19.769	8.02	-89.4	16.1	26.6
10/08/04	21:30:52	26.5	248.562	255.672	238.34	3.42	162.6	77	48.42	19.797	8.02	-89.5	17.7	27.2
10/08/04	22:00:52	26.2	249.935	255.672	240.29	3.39	162.7	79	48.48	19.803	8.02	-89.4	10	23.7
10/08/04	22:30:52	26.47	248.714	255.676	238.55	3.38	160.8	77	48.3	19.724	8.02	-89.5	3.6	24.1
10/08/04	23:00:52	25.01	255.65	255.676	248.46	3.33	165.6	77	48.52	19.694	8.02	-89.4	0.2	27.2
10/08/04	23:30:52	26.21	249.879	255.676	240.21	3.37	161.4	77	48.46	19.79	8.02	-89.4	-0.1	37.7
10/09/04	00:00:52	25.65	252.529	255.676	243.98	3.33	162.5	77	48.41	19.701	8.02	-89.5	-1.3	21.7
10/09/04	00:30:52	25.25	254.472	255.672	246.77	3.28	162	79	48.44	19.671	8.02	-89.4	-0.5	35.2
10/09/04	01:00:52	25.4	253.756	255.676	245.74	3.27	160.6	79	48.59	19.779	8.02	-89.5	-1.1	26.5
10/09/04	01:30:52	25.14	254.969	255.672	247.48	3.3	163.3	79	48.56	19.732	8.02	-89.5	0.3	22
10/09/04	02:00:52	25.95	251.094	255.672	241.94	3.34	161.4	77	48.61	19.852	8.02	-89.3	-2.6	33.2
10/09/04	02:30:52	26.08	250.487	255.672	241.07	3.33	160.2	79	48.72	19.93	8.02	-89.3	-2.3	26.4
10/09/04	03:00:52	25.83	251.69	255.672	242.79	3.38	163.6	77	48.75	19.916	8.01	-89.1	-1.7	37.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/09/04	03:30:52	26.09	250.466	255.668	241.04	3.37	161.9	79	48.95	20.067	8.01	-88.9	-1.5	38.5
10/09/04	04:00:52	25.95	251.128	255.672	241.98	3.35	161.8	77	48.8	19.965	8.01	-89.2	-1.7	36.6
10/09/04	04:30:52	26.05	250.663	255.676	241.32	3.33	160.1	79	48.94	20.053	8.02	-89.2	-1.3	26.8
10/09/04	05:00:52	26.25	249.709	255.672	239.96	3.38	162	79	49.6	20.468	8.01	-89.2	0.3	27.9
10/09/04	05:30:52	26.01	250.818	255.672	241.54	3.38	162.7	77	48.9	20.031	8.01	-89.1	-2.5	35
10/09/04	06:00:52	25.65	252.525	255.672	243.98	3.31	161.1	79	50.24	20.776	8.02	-89.4	-0.8	29.3
10/09/04	06:30:52	25.24	254.502	255.676	246.81	3.29	162.2	79	49.28	20.163	8.02	-89.2	-0.5	27.7
10/09/04	07:00:52	25.99	250.934	255.672	241.71	3.29	158.7	77	49	20.083	8.02	-89.4	-1.4	41.3
10/09/04	07:30:52	26.3	249.479	255.668	239.64	3.35	160.3	79	48.98	20.107	8.02	-89.3	-0.1	51.1
10/09/04	08:00:52	26.08	250.508	255.676	241.1	3.3	158.9	77	48.95	20.063	8.02	-89.4	-0.9	52.9
10/09/04	08:30:52	25.31	254.153	255.672	246.31	3.27	161	77	48.86	19.926	8.02	-89.5	-1.2	33.5
10/09/04	09:00:52	25.94	251.167	255.672	242.04	3.32	160.4	77	49.51	20.381	8.02	-89.5	-0.1	36.4
10/09/04	09:30:52	25.1	255.183	255.672	247.79	3.28	162.6	79	48.92	19.935	8.02	-89.5	-2.2	29.1
10/09/04	10:00:52	26.03	250.758	255.672	241.46	3.32	160.2	77	49.03	20.104	8.02	-89.4	-0.2	25.3
10/09/04	10:30:52	26.36	249.206	255.672	239.25	3.36	160.4	79	48.8	20.007	8.02	-89.3	-1.5	32.4
10/09/04	11:00:52	25.78	251.924	255.672	243.12	3.37	163.4	77	48.94	20.028	8.02	-89.4	-0.3	46.1
10/09/04	11:30:52	26.13	250.269	255.672	240.76	3.33	160	77	49.52	20.407	8.02	-89.5	-0.1	30.8
10/09/04	12:00:52	25.74	252.098	255.672	243.37	3.26	158.6	79	49.05	20.089	8.03	-89.7	-0.6	30
10/09/04	12:30:52	26.03	250.75	255.668	241.45	3.31	159.6	80	48.83	19.989	8.02	-89.7	3	22.5
10/09/04	13:00:52	24.81	256.584	255.672	249.81	3.19	159.7	80	48.82	19.849	8.02	-89.5	11.7	37.1
10/09/04	13:30:52	26.02	250.797	255.672	241.51	3.22	155.4	79	48.63	19.866	8.02	-89.7	23.6	32
10/09/04	14:00:52	26.47	248.668	255.672	238.49	3.26	155.1	80	47.93	19.503	8.02	-89.6	37.7	33.2
10/09/04	14:30:52	25.25	254.485	255.676	246.79	3.24	159.6	79	48.9	19.941	8.03	-90.1	48.5	32.5
10/09/04	15:00:52	26.79	247.234	255.676	236.46	3.35	158	80	48.9	20.113	8.03	-90.1	63.8	42.7
10/09/04	15:30:52	24.85	256.427	255.672	249.58	3.28	163.8	79	48.52	19.671	8.02	-89.5	47.2	30.2
10/09/04	16:00:52	25.31	254.158	255.672	246.32	3.39	167	80	48.21	19.546	8.02	-89.5	58.9	36.6
10/09/04	16:30:52	26.17	250.102	255.672	240.52	3.47	166.5	80	48.99	20.095	8.02	-89.5	50.9	32.9
10/09/04	17:00:52	26.11	250.367	255.676	240.9	3.53	169.5	80	49.16	20.192	8.02	-89.4	99.9	18.7
10/09/04	17:30:52	25.02	255.571	255.672	248.35	3.5	174	80	48.17	19.491	8.03	-89.7	145.9	34.2
10/09/04	18:00:52	26.08	250.496	255.672	241.08	3.62	174.3	80	48.62	19.87	8.02	-89.2	88	45.5
10/09/04	18:30:52	25.59	252.804	255.672	244.38	3.63	177.1	80	48.75	19.891	8.02	-89.5	80	33.2
10/09/04	19:00:52	26	250.896	255.668	241.65	3.67	177.2	80	48.8	19.969	8.02	-89.3	52.7	34.6
10/09/04	19:30:52	25.89	251.392	255.672	242.36	3.67	177.4	80	48.58	19.829	8.03	-89.8	118.8	36.1
10/09/04	20:00:52	25.81	251.794	255.672	242.93	3.71	179.8	80	48.61	19.834	8.02	-89.4	46.8	39.2
10/09/04	20:30:52	26	250.896	255.668	241.65	3.72	179.6	81	48.52	19.802	8.02	-89.4	65.2	31.2
10/09/04	21:00:52	25.96	251.089	255.672	241.93	3.71	179	80	48.52	19.797	8.02	-89.4	51.5	42.1
10/09/04	21:30:52	25.49	253.313	255.668	245.11	3.64	178.4	80	48.43	19.694	8.02	-89.4	52.6	29.2
10/09/04	22:00:52	26.24	249.777	255.672	240.06	3.72	178.3	80	48.48	19.803	8.01	-89.2	22	40.6
10/09/04	22:30:52	25.87	251.491	255.672	242.5	3.72	179.9	80	48.52	19.787	8.01	-89.1	16.6	41.3
10/09/04	23:00:52	26.35	249.245	255.668	239.31	3.72	177.4	80	48.58	19.872	8.01	-89.1	7.9	31.9
10/09/04	23:30:52	25.16	254.898	255.672	247.38	3.6	177.9	80	48.42	19.652	8.02	-89.1	0.7	36.5
10/10/04	00:00:52	26.07	250.53	255.672	241.13	3.63	174.7	80	48.5	19.797	8.01	-89.1	-0.4	48.7
10/10/04	00:30:52	25.81	251.764	255.668	242.89	3.57	173.2	80	48.38	19.7	8.02	-89.2	-0.6	42.9
10/10/04	01:00:52	26.01	250.849	255.668	241.59	3.6	173.3	80	48.57	19.831	8.01	-89.1	-0.8	46.4
10/10/04	01:30:52	25.16	254.894	255.668	247.37	3.57	176.4	81	48.8	19.875	8.02	-89.1	-0.1	30.2
10/10/04	02:00:52	26.12	250.29	255.668	240.79	3.55	170.6	80	48.79	19.974	8.01	-89.2	-1.1	34
10/10/04	02:30:52	25.57	252.922	255.672	244.55	3.43	167.6	80	48.77	19.9	8.02	-89.2	-1.5	37.7
10/10/04	03:00:52	25.8	251.803	255.668	242.95	3.42	165.7	80	48.62	19.84	8.02	-89.4	-0.5	44.4
10/10/04	03:30:52	26.11	250.376	255.668	240.91	3.46	166.4	80	48.75	19.95	8.01	-89.2	-1.1	45.4
10/10/04	04:00:52	26.17	250.089	255.668	240.51	3.49	167.4	80	48.73	19.944	8.02	-89.4	-0.1	39.5
10/10/04	04:30:52	25.05	255.401	255.668	248.1	3.4	168.7	80	48.96	19.954	8.02	-89.3	-0.9	72
10/10/04	05:00:52	25.64	252.6	255.668	244.08	3.37	164.1	80	48.78	19.913	8.02	-89.2	-1.7	33
10/10/04	05:30:52	24.8	256.666	255.668	249.93	3.34	166.9	80	48.78	19.82	8.02	-89.3	0.3	41.8
10/10/04	06:00:52	25.99	250.909	255.668	241.67	3.36	161.8	80	48.89	20.022	8.01	-88.9	-2.6	41.8
10/10/04	06:30:52	25.71	252.247	255.668	243.58	3.43	166.6	80	48.7	19.876	8.02	-89.4	-0.8	33.6
10/10/04	07:00:52	25.35	253.977	255.668	246.06	3.31	162.7	80	49.01	20.02	8.02	-89.4	-0.2	46
10/10/04	07:30:52	25.95	251.094	255.668	241.94	3.29	159.1	80	49.06	20.114	8.02	-89.2	-1.1	38.8
10/10/04	08:00:52	25.7	252.299	255.668	243.65	3.23	157.2	80	49.15	20.141	8.02	-89.4	-0.5	36.1
10/10/04	08:30:52	25.78	251.938	255.668	243.14	3.3	160.1	80	48.97	20.045	8.02	-89.4	-0.6	48.6
10/10/04	09:00:52	25.7	252.281	255.668	243.63	3.31	161	80	49	20.052	8.02	-89.2	-1.1	48
10/10/04	09:30:52	25.77	251.968	255.668	243.18	3.36	163.3	80	48.8	19.943	8.02	-89.2	0.3	46.9
10/10/04	10:00:52	25.79	251.847	255.668	243.01	3.32	161.1	80	48.92	20.015	8.02	-89.2	-0.1	46.3

Appendix 5
Water Quality Data

East Flower Garden Bank															
July 15, 2004 - December 3, 2004															
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/10/04	10:30:52	25.8	251.803	255.668	242.95	3.35	162.3	79	49.04	20.086	8.02	-89.4	-0.7	43.7
10/10/04	11:00:52	25.79	251.851	255.668	243.02	3.31	160.7	80	48.92	20.014	8.01	-89.1	0.3	45.9
10/10/04	11:30:52	25.79	251.872	255.672	243.05	3.34	162	80	48.87	19.987	8.02	-89.2	-0.3	50.4
10/10/04	12:00:52	25.73	252.138	255.668	243.42	3.41	165.6	80	48.9	19.995	8.02	-89.2	-1.4	44.7
10/10/04	12:30:52	25.81	251.773	255.668	242.9	3.37	163.6	79	48.95	20.033	8.02	-89.2	3.3	49.3
10/10/04	13:00:52	24.72	257.022	255.668	250.44	3.33	166.8	80	48.82	19.835	8.02	-89.3	9.7	44.7
10/10/04	13:30:52	25.38	253.823	255.668	245.84	3.28	161	79	48.89	19.953	8.02	-89.4	15.4	42.6
10/10/04	14:00:52	25.47	253.388	255.668	245.21	3.34	163.7	80	48.81	19.917	8.02	-89.2	23.2	43.2
10/10/04	14:30:52	25.8	251.808	255.668	242.95	3.38	164	80	48.87	19.988	8.02	-89.4	26	45
10/10/04	15:00:52	26.69	247.666	255.668	237.07	3.47	164	80	48.87	20.083	8.02	-89.8	46.9	44.1
10/10/04	15:30:52	26.15	250.179	255.668	240.63	3.5	168.3	80	48.95	20.07	8.02	-89.2	29.7	42.6
10/10/04	16:00:52	24.62	257.552	255.668	251.21	3.45	173.7	80	48.78	19.802	8.02	-89.1	37	42.4
10/10/04	16:30:52	25.6	252.752	255.668	244.3	3.52	171.6	80	48.81	19.931	8.03	-89.7	67.4	44.3
10/10/04	17:00:52	25.74	252.099	255.668	243.37	3.58	174.1	80	48.82	19.951	8.03	-89.8	123.5	47.5
10/10/04	17:30:52	25.73	252.151	255.664	243.44	3.68	179	80	48.78	19.929	8.02	-89.6	110.9	42.5
10/10/04	18:00:52	25.71	252.225	255.664	243.55	3.85	187.1	81	48.72	19.888	8.03	-89.7	168	43.7
10/10/04	18:30:52	25.71	252.26	255.664	243.6	3.77	183.5	81	48.82	19.949	8.03	-90	86.9	43
10/10/04	19:00:52	24.67	257.303	255.664	250.85	3.77	189.2	81	48.71	19.764	8.04	-90.1	107.3	48.2
10/10/04	19:30:52	24.92	256.046	255.664	249.03	3.84	191.4	81	48.63	19.749	8.02	-89.4	79.2	45.5
10/10/04	20:00:52	25.71	252.23	255.664	243.56	3.9	189.5	81	48.72	19.89	8.02	-89.7	63.6	47.2
10/10/04	20:30:52	25.5	253.23	255.664	244.99	3.85	188.4	81	48.58	19.781	8.03	-89.8	86.4	46.8
10/10/04	21:00:52	25.27	254.366	255.668	246.62	3.91	192.8	83	48.49	19.704	8.02	-89.4	47.4	44.9
10/10/04	21:30:52	25.73	252.168	255.668	243.47	3.89	189	81	48.55	19.788	8.02	-89.4	41.3	49.3
10/10/04	22:00:52	25.6	252.762	255.664	244.32	3.82	186.6	81	48.43	19.708	8.01	-89	18	47.8
10/10/04	22:30:52	25.65	252.53	255.668	243.98	3.79	184.7	81	48.53	19.771	7.98	-86.9	19.3	51.3
10/10/04	23:00:52	24.88	256.253	255.664	249.33	3.71	185.2	81	48.53	19.684	8.01	-88.9	8.2	48.4
10/10/04	23:30:52	25.68	252.365	255.664	243.75	3.73	181.6	80	48.53	19.773	8.01	-88.8	3.1	52.2
10/11/04	00:00:52	25.72	252.199	255.668	243.51	3.73	181.6	80	48.51	19.763	8.01	-88.9	0.8	50.4
10/11/04	00:30:52	25.58	252.853	255.664	244.45	3.69	180.1	80	48.5	19.744	8.01	-88.7	0.2	46.6
10/11/04	01:00:52	25.66	252.504	255.664	243.95	3.66	178.5	80	48.58	19.802	8.01	-88.8	0.8	224.2
10/11/04	01:30:52	25.64	252.583	255.664	244.06	3.67	179.1	80	48.56	19.789	8	-88.3	0.3	48
10/11/04	02:00:52	25.57	252.893	255.664	244.5	3.61	176.2	80	48.61	19.808	8.01	-88.8	0.6	48.4
10/11/04	02:30:52	25.58	252.862	255.664	244.46	3.65	178.2	80	48.7	19.861	8.01	-88.7	0.2	47.6
10/11/04	03:00:52	25.59	252.801	255.66	244.37	3.64	177.9	80	48.72	19.875	8.01	-89.1	0.9	51.1
10/11/04	03:30:52	25.58	252.867	255.664	244.47	3.59	175.3	80	48.73	19.882	8.01	-88.9	0.4	47.2
10/11/04	04:00:52	25.59	252.827	255.664	244.41	3.61	176.1	80	48.72	19.873	8.01	-88.9	0.7	47.1
10/11/04	04:30:52	25.58	252.84	255.664	244.43	3.58	175	80	48.75	19.889	8.01	-88.7	0.4	48.9
10/11/04	05:00:52	25.54	253.055	255.66	244.74	3.51	171.4	80	48.82	19.931	8.01	-88.9	-0.2	48.5
10/11/04	05:30:52	25.6	252.783	255.664	244.35	3.48	169.9	80	48.84	19.947	8.01	-88.9	-0.3	45.8
10/11/04	06:00:52	24.88	256.24	255.66	249.31	3.54	176.9	80	48.88	19.887	8.01	-88.9	0.4	56.7
10/11/04	06:30:52	25.41	253.666	255.66	245.61	3.5	171.6	80	48.93	19.977	8.01	-88.9	-0.1	46.8
10/11/04	07:00:52	25.5	253.256	255.664	245.02	3.52	172.1	80	48.96	20.004	8.01	-88.6	-0.9	47.8
10/11/04	07:30:52	25.87	251.462	255.66	242.46	3.5	169.3	80	48.94	20.035	8.01	-88.7	1.1	50.3
10/11/04	08:00:52	25.53	253.103	255.664	244.8	3.52	172.1	80	48.96	20.012	8	-88.5	1.3	51
10/11/04	08:30:52	25.43	253.586	255.664	245.5	3.48	170.8	80	48.95	19.99	8.01	-88.7	1.2	51.8
10/11/04	09:00:52	25.64	252.57	255.66	244.04	3.53	172.2	80	48.96	20.022	8.01	-88.9	1	49.1
10/11/04	09:30:52	25.55	252.994	255.66	244.65	3.49	170.5	80	48.96	20.015	8.01	-88.6	-0.1	51.3
10/11/04	10:00:52	25.53	253.116	255.664	244.82	3.45	168.7	80	48.9	19.972	8.01	-88.8	0.3	50.8
10/11/04	10:30:52	25.61	252.735	255.664	244.28	3.46	169	80	48.91	19.99	8	-88.5	0.4	56.3
10/11/04	11:00:52	25.43	253.586	255.664	245.5	3.42	167.9	80	48.93	19.979	8	-88.5	0.4	48.7
10/11/04	11:30:52	25.52	253.134	255.664	244.85	3.45	168.8	80	48.91	19.982	8.01	-88.6	0.4	50.9
10/11/04	12:00:52	25.6	252.749	255.664	244.3	3.46	168.7	80	48.91	19.986	8.01	-88.6	0.8	6.9
10/11/04	12:30:52	25.16	254.908	255.664	247.39	3.42	169.3	80	48.84	19.896	8.01	-88.7	4.9	54.6
10/11/04	13:00:52	25.19	254.752	255.664	247.17	3.39	167.3	80	48.86	19.913	8.01	-88.8	15.8	54.9
10/11/04	13:30:52	25.53	253.12	255.664	244.83	3.43	167.5	80	48.89	19.966	8.02	-89.5	29.3	52.1
10/11/04	14:00:52	25.71	252.23	255.66	243.56	3.42	166.5	80	48.85	19.963	8.03	-90	45.6	52.1
10/11/04	14:30:52	25.94	251.151	255.664	242.02	3.44	166.2	80	48.88	20.006	8.04	-90.7	66.9	53.2
10/11/04	15:00:52	25.28	254.292	255.664	246.51	3.43	168.9	80	48.88	19.936	8.05	-90.9	85.9	53.8
10/11/04	15:30:52	25.61	252.722	255.664	244.26	3.46	169	80	48.93	19.999	8.06	-91.7	105	56.8
10/11/04	16:00:52	25.63	252.648	255.664	244.15	3.53	172.1	80	48.92	19.998	8.05	-90.9	124.9	57.4
10/11/04	16:30:52	25.78	251.891	255.664	243.07	3.57	173.1	81	48.94	20.024	8.04	-90.4	145.9	55.2
10/11/04	17:00:52	26.14	250.218	255.664	240.69	3.64	174.9	81	48.96	20.076	8.02	-89.6	159.4	53.1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/11/04	17:30:52	25.69	252.33	255.664	243.7	3.56	173.5	83	48.93	20.012	8.06	-91.6	117.8	55.1
10/11/04	18:00:52	26.01	250.815	255.664	241.54	3.7	178.5	83	48.87	20.008	8.04	-90.6	143.5	55.8
10/11/04	18:30:52	25.17	254.858	255.668	247.32	3.68	181.8	81	48.91	19.942	8.05	-91.2	214.9	55.9
10/11/04	19:00:52	24.76	256.856	255.664	250.2	3.63	182	83	48.87	19.868	8.04	-90.5	211.4	52.3
10/11/04	19:30:52	25.92	251.267	255.664	242.18	3.73	180.4	84	48.8	19.96	8.05	-91.1	137.6	54.6
10/11/04	20:00:52	25.65	252.535	255.664	243.99	3.71	180.7	83	48.76	19.908	8.04	-90.6	156.7	55.2
10/11/04	20:30:52	25.56	252.98	255.664	244.63	3.74	182.6	83	48.69	19.851	8.05	-90.9	144.9	55.1
10/11/04	21:00:52	25.51	253.182	255.664	244.92	3.74	183.2	81	48.71	19.861	8.05	-91.3	122.8	55.7
10/11/04	21:30:52	25.54	253.068	255.664	244.75	3.77	184.3	83	48.68	19.849	8.04	-90.8	94.1	62.1
10/11/04	22:00:52	26.37	249.156	255.664	239.18	3.83	182.5	83	48.63	19.909	8.05	-91	66.9	58.1
10/11/04	22:30:52	25.92	251.272	255.664	242.19	3.81	184	81	48.66	19.874	8.02	-89.6	40.2	58.6
10/11/04	23:00:52	25.71	252.238	255.664	243.57	3.88	188.6	81	48.61	19.824	8.01	-88.9	21.1	59.7
10/11/04	23:30:52	24.87	256.315	255.664	249.42	3.76	187.5	81	48.59	19.718	8	-88.1	7	59.3
10/12/04	00:00:52	25.11	255.104	255.66	247.68	3.84	190.1	80	48.58	19.74	7.99	-87.8	0.7	62.1
10/12/04	00:30:52	25.41	253.661	255.664	245.6	3.83	187.8	81	48.56	19.76	8	-88	0	60.6
10/12/04	01:00:52	25.86	251.544	255.664	242.58	3.88	187.7	80	48.59	19.826	7.99	-88	-0.1	57
10/12/04	01:30:52	26	250.854	255.66	241.59	3.86	185.9	80	48.57	19.831	7.99	-87.8	1.1	58.5
10/12/04	02:00:52	25.53	253.077	255.66	244.77	3.86	188.8	81	48.61	19.807	7.99	-87.9	0.6	59.9
10/12/04	02:30:52	25.17	254.85	255.664	247.31	3.77	186.6	81	48.6	19.754	8	-88.2	0.8	53.3
10/12/04	03:00:52	24.96	255.862	255.664	248.77	3.71	184.4	80	48.63	19.753	8	-88.1	-0	53.7
10/12/04	03:30:52	25.13	255.01	255.664	247.54	3.72	184.2	80	48.66	19.786	8	-88.2	0.7	59.3
10/12/04	04:00:52	25.35	253.978	255.664	246.06	3.69	181.3	81	48.7	19.833	8	-88.3	0.6	52.9
10/12/04	04:30:52	25.66	252.504	255.664	243.95	3.7	180.3	80	48.74	19.892	8	-88.3	0.4	59.9
10/12/04	05:00:52	25.55	253.028	255.664	244.7	3.63	177.4	81	48.75	19.888	8	-88.5	0.1	60.6
10/12/04	05:30:52	25.74	252.078	255.66	243.34	3.66	178	81	48.76	19.914	8	-88.3	0.7	61.2
10/12/04	06:00:52	25.75	252.043	255.664	243.29	3.62	175.9	80	48.79	19.935	8	-88.3	0.7	62.8
10/12/04	06:30:52	25.34	253.991	255.664	246.08	3.6	177.1	80	48.81	19.901	8	-88.4	1	60
10/12/04	07:00:52	25.43	253.577	255.664	245.48	3.6	176.4	80	48.8	19.902	8	-88.3	1.1	60.6
10/12/04	07:30:52	25.54	253.068	255.664	244.75	3.63	177.4	80	48.81	19.924	8	-88.3	0.2	59.9
10/12/04	08:00:52	25.26	254.384	255.664	246.64	3.58	176.5	81	48.81	19.893	8.01	-88.6	0.6	58.4
10/12/04	08:30:52	25.28	254.283	255.664	246.5	3.59	177.1	80	48.78	19.875	8	-88.4	0.3	60.5
10/12/04	09:00:52	25.18	254.77	255.668	247.19	3.53	174.4	80	48.76	19.854	8	-88.2	0.9	63.4
10/12/04	09:30:52	25.72	252.182	255.664	243.49	3.53	171.5	80	48.75	19.91	8	-88.4	0.7	62
10/12/04	10:00:52	25.38	253.815	255.664	245.82	3.52	173	80	48.72	19.854	8	-88.1	-0	61.2
10/12/04	10:30:52	25.57	252.893	255.664	244.5	3.54	173	80	48.74	19.886	8	-88.3	-0	62.3
10/12/04	11:00:52	25.14	255.001	255.664	247.53	3.5	173.2	80	48.69	19.809	8	-88.2	0.4	62.2
10/12/04	11:30:52	25.47	253.366	255.664	245.18	3.49	171.1	80	48.72	19.861	8	-88.3	-0.1	62.9
10/12/04	12:00:52	26.05	250.621	255.668	241.26	3.59	172.8	81	48.68	19.904	8	-88.3	0.5	64
10/12/04	12:30:52	25.38	253.832	255.664	245.85	3.51	172.4	81	48.66	19.818	8	-88.3	5.3	64.2
10/12/04	13:00:52	24.69	257.195	255.664	250.69	3.39	170.3	80	48.69	19.757	8.02	-89	17.5	64.5
10/12/04	13:30:52	25.3	254.185	255.664	246.36	3.41	168	81	48.71	19.838	8.03	-89.7	32.8	63.1
10/12/04	14:00:52	25.74	252.082	255.664	243.34	3.33	161.9	81	48.7	19.88	8.03	-90	52.5	61
10/12/04	14:30:52	25.55	252.998	255.664	244.65	3.34	163.3	81	48.71	19.864	8.04	-90.6	73.2	61.2
10/12/04	15:00:52	25.43	253.578	255.66	245.48	3.39	166.2	81	48.75	19.877	8.05	-91.2	94.5	63.2
10/12/04	15:30:52	25.84	251.648	255.664	242.73	3.37	163.2	81	48.78	19.935	8.07	-92.2	117.4	59.4
10/12/04	16:00:52	25.26	254.415	255.664	246.69	3.38	166.6	83	48.78	19.871	8.07	-92	141.4	62
10/12/04	16:30:52	25.58	252.845	255.664	244.43	3.46	169.1	83	48.81	19.928	8.05	-91.2	165.8	61.5
10/12/04	17:00:52	25.09	255.228	255.668	247.85	3.45	171.1	83	48.83	19.886	8.04	-90.5	178.1	62.3
10/12/04	17:30:52	25.52	253.16	255.664	244.89	3.46	169.2	83	48.85	19.946	8.04	-90.5	190.5	62
10/12/04	18:00:52	25.58	252.853	255.664	244.45	3.53	172.2	83	48.89	19.975	8.04	-90.5	191.3	107.5
10/12/04	18:30:52	25.46	253.423	255.664	245.26	3.44	168.5	84	48.88	19.956	8.06	-91.5	193.7	61.2
10/12/04	19:00:52	25.39	253.784	255.664	245.78	3.56	175	83	48.87	19.942	8.04	-90.6	187.7	62.6
10/12/04	19:30:52	26.37	249.161	255.66	239.19	3.6	171.9	83	48.88	20.056	8.04	-90.7	173.4	61.9
10/12/04	20:00:52	25.21	254.659	255.664	247.04	3.54	174.8	83	48.9	19.938	8.05	-90.9	163.7	61.7
10/12/04	20:30:52	25.24	254.491	255.66	246.79	3.53	174.2	84	48.88	19.933	8.07	-92.2	139.4	61.2
10/12/04	21:00:52	25.34	254.023	255.66	246.12	3.63	178.7	83	48.86	19.932	8.07	-92	114.5	64
10/12/04	21:30:52	25.71	252.248	255.66	243.58	3.69	179.3	83	48.84	19.96	8.05	-91.3	93.6	61.7
10/12/04	22:00:52	25.4	253.74	255.66	245.72	3.75	184.2	84	48.81	19.906	8.04	-90.4	66.5	4.3
10/12/04	22:30:52	24.76	256.82	255.664	250.15	3.74	187.6	83	48.8	19.828	8.03	-89.9	41.4	3.7
10/12/04	23:00:52	25.48	253.331	255.664	245.13	3.87	189.4	83	48.77	19.893	8.01	-88.7	21.9	3.9
10/12/04	23:30:52	25.41	253.7	255.664	245.66	3.85	189.2	83	48.76	19.88	7.99	-87.8	7.3	69.6
10/13/04	00:00:52	26.07	250.557	255.66	241.17	3.95	190.1	81	48.76	19.951	7.99	-87.6	0.3	67.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/13/04	00:30:52	25.22	254.598	255.66	246.95	3.98	196.7	81	48.74	19.847	7.98	-86.9	0.7	64.7
10/13/04	01:00:52	26.19	249.991	255.664	240.37	3.93	188.4	83	48.71	19.938	7.97	-86.8	0.1	66.8
10/13/04	01:30:52	24.88	256.275	255.664	249.36	3.81	190.3	84	48.72	19.797	7.99	-87.7	0.2	64
10/13/04	02:00:52	25.63	252.644	255.66	244.15	3.74	182.3	81	48.72	19.881	7.98	-87.4	0.9	69.8
10/13/04	02:30:52	25.57	252.92	255.66	244.54	3.72	181.5	83	48.74	19.882	7.98	-87.4	0.6	63.8
10/13/04	03:00:52	25.92	251.225	255.66	242.12	3.81	184.1	83	48.76	19.935	7.99	-87.8	0.9	61.5
10/13/04	03:30:52	25.6	252.788	255.664	244.35	3.68	179.7	83	48.8	19.924	7.99	-87.5	0.4	69.9
10/13/04	04:00:52	25.32	254.12	255.66	246.26	3.62	178.3	81	48.79	19.885	7.98	-87.2	0.4	63.2
10/13/04	04:30:52	25.26	254.407	255.664	246.67	3.58	176.6	81	48.82	19.898	7.99	-87.5	0.4	63.7
10/13/04	05:00:52	25.49	253.274	255.66	245.05	3.54	173.2	80	48.86	19.947	7.99	-87.6	0.3	64
10/13/04	05:30:52	25.61	252.718	255.66	244.25	3.54	172.5	83	48.86	19.959	8	-88.2	-0.1	63.6
10/13/04	06:00:52	24.99	255.697	255.66	248.53	3.57	177.5	81	48.88	19.901	7.99	-87.5	0.8	66.6
10/13/04	06:30:52	25.18	254.783	255.664	247.21	3.56	176.2	81	48.9	19.938	7.99	-87.4	0.2	62.8
10/13/04	07:00:52	24.97	255.809	255.66	248.69	3.51	174.8	80	48.9	19.909	7.99	-87.6	0	61.4
10/13/04	07:30:52	25.41	253.696	255.66	245.65	3.54	173.9	81	48.89	19.954	7.99	-87.6	1	67.3
10/13/04	08:00:52	25.44	253.547	255.66	245.44	3.55	174	81	48.89	19.958	7.99	-87.7	0.4	69.3
10/13/04	08:30:52	25.37	253.854	255.664	245.88	3.5	171.7	80	48.86	19.935	7.99	-87.8	0.4	70.6
10/13/04	09:00:52	25.39	253.767	255.66	245.76	3.5	171.7	80	48.85	19.93	7.99	-87.6	0.2	65.4
10/13/04	09:30:52	24.89	256.195	255.66	249.25	3.47	173.3	81	48.81	19.852	7.99	-87.6	0.2	4.4
10/13/04	10:00:52	25.39	253.762	255.66	245.75	3.49	171.3	81	48.77	19.885	7.99	-87.6	0.9	67.8
10/13/04	10:30:52	25.54	253.033	255.66	244.7	3.5	170.8	81	48.76	19.896	7.98	-87.3	0.7	66.4
10/13/04	11:00:52	25.11	255.117	255.664	247.69	3.45	170.8	81	48.75	19.837	7.98	-87	0.2	64.5
10/13/04	11:30:52	25.47	253.367	255.66	245.18	3.47	170.1	80	48.71	19.859	7.99	-87.5	0.2	67.9
10/13/04	12:00:52	25.35	253.983	255.66	246.07	3.47	170.6	81	48.7	19.837	7.99	-87.8	0.7	70.4
10/13/04	12:30:52	24.47	258.286	255.656	252.27	3.34	169.1	81	48.68	19.727	8	-87.9	5.7	65.6
10/13/04	13:00:52	25.47	253.402	255.66	245.23	3.38	165.6	80	48.68	19.84	8.01	-88.6	17.6	64.7
10/13/04	13:30:52	24.45	258.35	255.66	252.36	3.31	167.3	81	48.67	19.716	8.04	-90	32.4	65.3
10/13/04	14:00:52	25.45	253.485	255.66	245.35	3.37	165.2	81	48.69	19.842	8.06	-91.4	51.3	69.5
10/13/04	14:30:52	25.41	253.674	255.66	245.62	3.35	164.5	81	48.7	19.846	8.05	-90.9	71.6	66.7
10/13/04	15:00:52	25.36	253.912	255.66	245.96	3.36	165.4	81	48.72	19.851	8.08	-92.7	94.1	65.8
10/13/04	15:30:52	25.38	253.811	255.66	245.82	3.39	166.7	83	48.73	19.855	8.09	-93.2	117.2	71.1
10/13/04	16:00:52	25.36	253.929	255.664	245.99	3.42	168.1	83	48.75	19.869	8.08	-92.5	137.1	69.7
10/13/04	16:30:52	24.3	259.132	255.664	253.49	3.38	171.7	83	48.8	19.776	8.09	-93.3	157.6	67.3
10/13/04	17:00:52	25.37	253.859	255.66	245.89	3.52	173	83	48.82	19.911	8.06	-91.9	180	72.9
10/13/04	17:30:52	24.76	256.82	255.664	250.15	3.51	175.8	84	48.85	19.859	8.07	-92	186.6	72
10/13/04	18:00:52	25.52	253.142	255.664	244.86	3.66	178.9	84	48.88	19.962	8.03	-89.9	192	72
10/13/04	18:30:52	25.48	253.34	255.664	245.14	3.63	177.8	84	48.9	19.97	8.06	-91.6	187.9	72
10/13/04	19:00:52	25.22	254.593	255.664	246.94	3.52	174	84	48.91	19.944	8.06	-91.8	176.6	73.4
10/13/04	19:30:52	25.46	253.458	255.664	245.31	3.68	180.3	84	48.94	19.991	8.07	-92.1	107.2	72.6
10/13/04	20:00:52	25.41	253.656	255.664	245.6	3.61	177.2	84	48.93	19.979	8.07	-92.2	158.5	5.3
10/13/04	20:30:52	25.53	253.107	255.664	244.81	3.7	180.9	84	48.93	19.992	8.06	-91.6	138.2	73.3
10/13/04	21:00:52	25.38	253.802	255.66	245.81	3.67	180.3	84	48.93	19.975	8.05	-90.8	114.6	73.4
10/13/04	21:30:52	25.42	253.63	255.66	245.56	3.72	182.6	84	48.94	19.984	8.05	-91	88.9	74.5
10/13/04	22:00:52	25.51	253.217	255.664	244.97	3.72	182.2	84	48.92	19.981	8.05	-91.1	62.1	76.7
10/13/04	22:30:52	24.87	256.294	255.66	249.39	3.72	185.5	84	48.87	19.881	8.03	-89.7	42	82.8
10/13/04	23:00:52	24.57	257.771	255.66	251.52	3.77	190.1	84	48.86	19.842	8	-87.9	15.8	78.6
10/13/04	23:30:52	25.9	251.35	255.66	242.3	3.85	186.3	83	48.84	19.983	7.98	-87	5.8	84.9
10/14/04	00:00:52	24.49	258.167	255.66	252.1	3.83	193.6	83	48.84	19.819	7.97	-86.4	0.2	87.4
10/14/04	00:30:52	25.06	255.385	255.66	248.08	3.84	190.7	83	48.8	19.862	7.97	-86.3	0.2	87.8
10/14/04	01:00:52	24.55	257.872	255.656	251.67	3.77	190	83	48.78	19.792	7.97	-86.5	-0	88.7
10/14/04	01:30:52	24.6	257.617	255.656	251.3	3.74	188.3	83	48.77	19.794	7.96	-86	-0.1	92.3
10/14/04	02:00:52	24.54	257.939	255.66	251.77	3.73	188.2	83	48.76	19.782	7.96	-86.1	0.9	88
10/14/04	02:30:52	25.53	253.086	255.66	244.78	3.81	186.3	83	48.76	19.894	7.96	-86.1	0.6	5.2
10/14/04	03:00:52	25.63	252.636	255.656	244.14	3.78	184.2	81	48.77	19.909	7.96	-86	0.3	90.3
10/14/04	03:30:52	24.41	258.57	255.656	252.68	3.69	187	81	48.78	19.776	7.97	-86.5	-0	86.8
10/14/04	04:00:52	25.2	254.691	255.66	247.08	3.73	184.2	81	48.76	19.855	7.96	-85.9	1.6	98
10/14/04	04:30:52	24.87	256.276	255.66	249.36	3.75	186.9	83	48.8	19.842	7.96	-85.8	1.6	94.4
10/14/04	05:00:52	24.48	258.222	255.66	252.17	3.65	184.5	83	48.8	19.794	7.97	-86.6	-1.1	88.8
10/14/04	05:30:52	26.46	248.746	255.66	238.6	3.79	180.4	81	48.79	20.014	7.96	-86.2	0.5	87.9
10/14/04	06:00:52	26.47	248.661	255.656	238.48	3.78	179.9	81	48.8	20.021	7.97	-86.7	0.1	88.3
10/14/04	06:30:52	24.48	258.236	255.66	252.19	3.59	181.5	81	48.82	19.805	7.99	-87.5	1	92.8
10/14/04	07:00:52	25.68	252.4	255.66	243.8	3.66	178.3	81	48.81	19.938	7.98	-86.9	0.4	89.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/14/04	07:30:52	25	255.684	255.66	248.51	3.62	179.8	81	48.78	19.845	7.98	-87.2	0.8	92.6
10/14/04	08:00:52	26.52	248.462	255.66	238.2	3.79	179.9	81	48.78	20.013	7.97	-86.7	0.8	97.7
10/14/04	08:30:52	24.39	258.656	255.66	252.8	3.59	182.2	81	48.75	19.758	7.99	-87.3	0.1	92.3
10/14/04	09:00:52	26.08	250.51	255.66	241.1	3.68	176.9	81	48.71	19.924	7.98	-87.3	-0.2	95
10/14/04	09:30:52	26.53	248.416	255.66	238.13	3.73	177.2	81	48.67	19.949	7.97	-86.7	-0.2	93
10/14/04	10:00:52	26.43	248.865	255.656	238.77	3.7	176	83	48.64	19.92	7.98	-87	1.1	6.4
10/14/04	10:30:52	25.23	254.523	255.656	246.84	3.67	181.3	83	48.62	19.778	7.98	-86.8	0.2	90.5
10/14/04	11:00:52	25.51	253.174	255.66	244.91	4.02	196.5	86	48.56	19.773	7.98	-87	-0.5	95.7
10/14/04	11:30:52	24.53	257.971	255.66	251.81	3.5	176.8	83	48.54	19.653	7.98	-86.8	1.7	90.2
10/14/04	12:00:52	24.64	257.422	255.66	251.02	3.43	172.4	83	48.52	19.649	7.98	-87	0.9	88.4
10/14/04	12:30:52	24.45	258.35	255.66	252.36	3.45	174.7	81	48.5	19.621	7.99	-87.3	-0.1	82.7
10/14/04	13:00:52	24.46	258.309	255.66	252.3	3.39	171.2	83	48.48	19.606	7.99	-87.4	1.4	91.4
10/14/04	13:30:52	25.25	254.443	255.66	246.72	3.47	171.4	81	48.47	19.689	7.99	-87.6	0.2	89.4
10/14/04	14:00:52	26.37	249.123	255.66	239.13	3.51	167.4	81	48.45	19.799	7.98	-87.4	1.3	96.6
10/14/04	14:30:52	24.49	258.172	255.656	252.1	3.37	170.4	81	48.46	19.596	7.99	-87.6	6.7	96.4
10/14/04	15:00:52	25.64	252.575	255.656	244.05	3.44	167.7	81	48.48	19.739	7.99	-87.7	3.8	94.7
10/14/04	15:30:52	24.42	258.51	255.66	252.59	3.38	170.9	81	48.52	19.625	8	-87.8	6	88
10/14/04	16:00:52	26.33	249.344	255.66	239.45	3.51	167.7	81	48.55	19.854	7.99	-87.7	7.2	93.8
10/14/04	16:30:52	24.41	258.57	255.656	252.68	3.37	170.6	81	48.61	19.679	8	-88.2	18.4	94.9
10/14/04	17:00:52	26.23	249.8	255.66	240.09	3.41	163.4	83	48.67	19.917	8.01	-89.1	59.9	83.6
10/14/04	17:30:52	25.02	255.572	255.66	248.35	3.42	169.7	83	48.69	19.792	8.02	-89.5	49.4	90.8
10/14/04	18:00:52	24.76	256.834	255.66	250.17	3.42	171.4	81	48.75	19.802	8.01	-88.6	28.2	95.9
10/14/04	18:30:52	24.71	257.064	255.66	250.5	3.43	171.9	83	48.79	19.816	8	-88.1	20.1	88.6
10/14/04	19:00:52	25.58	252.845	255.66	244.44	3.49	170.1	81	48.84	19.945	8.01	-89	32.7	85.9
10/14/04	19:30:52	25.67	252.435	255.66	243.85	3.48	169.4	83	48.87	19.97	8.03	-89.9	62.8	84.2
10/14/04	20:00:52	26.04	250.695	255.66	241.37	3.54	170.7	83	48.93	20.047	8.03	-89.9	53.9	91.9
10/14/04	20:30:52	25.1	255.175	255.66	247.78	3.39	167.9	83	48.97	19.966	8.06	-91.4	85.2	95.9
10/14/04	21:00:52	24.65	257.363	255.66	250.93	3.42	171.7	83	48.99	19.925	8.03	-89.9	48.5	93.4
10/14/04	21:30:52	24.72	257.033	255.656	250.46	3.46	173.3	83	49	19.943	8.03	-90.1	52	100
10/14/04	22:00:52	24.43	258.482	255.66	252.55	3.59	181.7	83	49	19.909	7.99	-87.7	13.8	90.5
10/14/04	22:30:52	24.37	258.789	255.656	253	3.54	179.8	81	49.01	19.906	7.99	-87.5	9.9	90.6
10/14/04	23:00:52	26.2	249.928	255.66	240.28	3.69	176.8	81	49	20.106	7.98	-87.4	5.6	99
10/14/04	23:30:52	26.1	250.391	255.652	240.93	3.65	175.5	81	49	20.099	7.98	-87.4	3.2	91.3
10/15/04	00:00:52	26.36	249.191	255.66	239.23	3.59	171.2	81	48.98	20.112	7.99	-87.6	1.4	94.1
10/15/04	00:30:52	24.6	257.64	255.656	251.33	3.46	174.2	83	48.99	19.922	7.99	-87.6	1	97.8
10/15/04	01:00:52	24.33	258.954	255.656	253.24	3.42	173.7	81	48.97	19.879	7.99	-87.6	2	94.5
10/15/04	01:30:52	25.43	253.591	255.656	245.5	3.41	167.4	81	48.94	19.986	7.99	-87.7	-1.5	98.7
10/15/04	02:00:52	26.36	249.174	255.656	239.21	3.54	168.9	81	48.96	20.1	7.99	-87.6	-0.9	95.9
10/15/04	02:30:52	26.39	249.043	255.656	239.02	3.53	168.3	81	48.9	20.069	7.98	-87.5	-1.5	99.4
10/15/04	03:00:52	26.41	248.971	255.652	238.92	3.55	169.1	80	48.86	20.05	7.98	-87.3	-1.2	91.9
10/15/04	03:30:52	26.29	249.514	255.656	239.69	3.52	168.2	81	48.89	20.05	7.98	-87.5	-0.6	89.6
10/15/04	04:00:52	24.21	259.553	255.652	254.1	3.37	172	81	48.92	19.836	7.99	-87.5	0.3	96.6
10/15/04	04:30:52	24.78	256.722	255.652	250.01	3.44	172.2	81	48.94	19.911	7.99	-87.4	1.2	97
10/15/04	05:00:52	24.23	259.474	255.652	253.99	3.37	172	81	48.92	19.838	7.99	-87.3	0.9	102.4
10/15/04	05:30:52	24.22	259.516	255.652	254.05	3.37	171.8	81	48.85	19.793	7.99	-87.3	1.3	95.8
10/15/04	06:00:52	26.25	249.702	255.652	239.96	3.53	169	81	48.9	20.054	7.97	-86.9	-3.8	106.2
10/15/04	06:30:52	24.1	260.134	255.652	254.95	3.38	173.3	80	48.88	19.801	7.98	-87	-0.6	117.3
10/15/04	07:00:52	24.19	259.668	255.648	254.27	3.38	172.6	81	48.84	19.784	7.98	-87	1.8	105.4
10/15/04	07:30:52	24.17	259.788	255.652	254.45	3.41	174	80	48.83	19.778	7.98	-87	0.5	96.4
10/15/04	08:00:52	26.06	250.572	255.648	241.19	3.52	169.6	81	48.83	19.992	7.97	-86.6	2.2	92.2
10/15/04	08:30:52	24.17	259.755	255.652	254.4	3.45	176.4	81	48.77	19.741	7.99	-87.3	2.5	102.7
10/15/04	09:00:52	25.87	251.481	255.648	242.49	3.56	172.1	81	48.75	19.925	7.97	-86.8	3.2	96.3
10/15/04	09:30:52	24.86	256.331	255.652	249.44	3.53	176.2	81	48.68	19.769	7.97	-86.5	0.5	93.8
10/15/04	10:00:52	26.04	250.657	255.652	241.31	3.55	171.2	81	48.63	19.873	7.98	-87.2	2.4	96.4
10/15/04	10:30:52	24.36	258.808	255.652	253.02	3.42	173.6	81	48.61	19.669	7.99	-87.2	-2.6	118.1
10/15/04	11:00:52	24.55	257.846	255.648	251.63	3.45	174	81	48.54	19.653	7.97	-86.6	0.5	93.6
10/15/04	11:30:52	26.08	250.46	255.648	241.03	3.46	166.2	81	48.49	19.796	7.98	-87.2	0.4	97.7
10/15/04	12:00:52	24.2	259.603	255.652	254.18	3.34	170.6	81	48.46	19.564	7.98	-87	0.4	89.1
10/15/04	12:30:52	26.23	249.775	255.648	240.06	3.44	164.9	81	48.44	19.779	7.98	-87	4	94.7
10/15/04	13:00:52	26.09	250.447	255.652	241.01	3.45	165.7	81	48.4	19.742	7.99	-87.8	14.2	98.7
10/15/04	13:30:52	25.15	254.923	255.652	247.41	3.27	162	83	48.38	19.625	8.01	-88.7	28.7	88.3
10/15/04	14:00:52	25.34	253.988	255.652	246.07	3.28	161.3	83	48.38	19.646	8.04	-90.4	45.4	91.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/15/04	14:30:52	25.38	253.808	255.652	245.81	3.26	160.3	83	48.38	19.653	8.07	-92	64.1	90.2
10/15/04	15:00:52	24.57	257.79	255.656	251.55	3.3	166.3	84	48.39	19.564	8.13	-95.2	81.9	79.8
10/15/04	15:30:52	24.38	258.725	255.656	252.9	3.14	159.2	84	48.41	19.556	8.09	-93.3	103	17.2
10/15/04	16:00:52	25.15	254.905	255.652	247.39	3.12	154.2	83	48.44	19.662	8.1	-94.1	127.2	100.7
10/15/04	16:30:52	24.33	258.99	255.66	253.29	3.03	153.8	84	48.5	19.602	8.08	-92.7	146.3	87.2
10/15/04	17:00:52	24.8	256.646	255.652	249.9	3.06	153	84	48.53	19.672	8.07	-92.2	162.3	90.4
10/15/04	17:30:52	25.14	254.993	255.656	247.52	3.12	154.3	84	48.59	19.749	8.06	-91.4	174.1	94.9
10/15/04	18:00:52	25.33	254.028	255.652	246.13	3.17	156.1	84	48.64	19.797	8.06	-91.4	169.6	84.2
10/15/04	18:30:52	25.01	255.622	255.656	248.42	3.25	161.7	84	48.7	19.795	8.03	-89.8	168	88.5
10/15/04	19:00:52	26.29	249.519	255.656	239.69	3.29	157.5	84	48.75	19.971	8.04	-90.6	165	90
10/15/04	19:30:52	26.21	249.877	255.652	240.2	3.38	162.2	86	48.82	20.003	8.03	-89.8	151.7	76.9
10/15/04	20:00:52	25.14	254.949	255.652	247.45	3.4	168.2	84	48.87	19.914	8.03	-90	138.2	76.2
10/15/04	20:30:52	25.09	255.225	255.652	247.85	3.36	166.8	84	48.92	19.935	8.02	-89.6	117.6	80.5
10/15/04	21:00:52	25.14	254.977	255.648	247.49	3.45	170.6	84	48.96	19.966	8.01	-88.8	98.4	76.4
10/15/04	21:30:52	25.14	254.994	255.652	247.52	3.45	170.7	84	49	19.991	8.01	-88.8	77.6	80.9
10/15/04	22:00:52	25.01	255.623	255.648	248.42	3.46	171.8	84	49.03	19.99	8	-88.3	55.3	75.9
10/15/04	22:30:52	25.18	254.798	255.652	247.24	3.55	175.3	84	49.06	20.026	7.99	-87.6	34.1	74
10/15/04	23:00:52	25.72	252.201	255.648	243.52	3.58	174	84	49.08	20.104	7.99	-87.5	16.6	7
10/15/04	23:30:52	24.22	259.52	255.652	254.06	3.45	175.7	84	49.06	19.92	7.99	-87.3	5.1	6.8
10/16/04	00:00:52	25.18	254.776	255.652	247.2	3.57	176.7	84	49.07	20.036	7.99	-87.5	0.1	8.4
10/16/04	00:30:52	24.87	256.272	255.652	249.36	3.54	176.8	83	49.09	20.01	7.99	-87.6	-0.5	7.9
10/16/04	01:00:52	25.84	251.589	255.648	242.64	3.6	174.6	83	49.08	20.117	7.98	-87.4	-0.1	8.2
10/16/04	01:30:52	24.5	258.11	255.648	252.01	3.51	177.1	83	49.09	19.967	7.99	-87.5	-0.1	8
10/16/04	02:00:52	25	255.628	255.648	248.43	3.47	172.5	83	49.08	20.022	7.99	-87.3	-0.1	8.6
10/16/04	02:30:52	25.04	255.44	255.648	248.16	3.46	171.7	83	49.02	19.99	7.99	-87.5	0.4	9.5
10/16/04	03:00:52	24.78	256.731	255.652	250.02	3.43	171.7	83	49.03	19.963	7.99	-87.6	0.9	8.7
10/16/04	03:30:52	25.11	255.132	255.652	247.72	3.47	171.7	83	49.04	20.007	7.99	-87.3	1	9.2
10/16/04	04:00:52	24.9	256.161	255.648	249.2	3.42	170.4	83	49.04	19.985	7.99	-87.5	-1.4	9
10/16/04	04:30:52	24.89	256.17	255.648	249.21	3.42	170.6	83	49.01	19.97	7.99	-87.4	-0.9	9.2
10/16/04	05:00:52	24.55	257.85	255.648	251.64	3.41	171.8	83	48.97	19.904	7.99	-87.3	0.4	9.7
10/16/04	05:30:52	25.13	255.017	255.645	247.55	3.46	171.3	83	48.96	19.964	7.99	-87.5	-1.3	9.2
10/16/04	06:00:52	25.12	255.057	255.645	247.61	3.42	169.4	81	48.97	19.97	7.98	-87	0.9	8.6
10/16/04	06:30:52	25.05	255.43	255.652	248.15	3.42	169.6	83	48.94	19.941	7.98	-87.2	1.4	9.1
10/16/04	07:00:52	25.05	255.4	255.648	248.1	3.4	168.7	81	48.92	19.932	7.99	-87.7	-2.6	10.3
10/16/04	07:30:52	24.56	257.796	255.648	251.56	3.39	171	83	48.89	19.859	7.99	-87.4	-1	9.5
10/16/04	08:00:52	24.14	259.909	255.648	254.62	3.39	173.2	83	48.86	19.791	7.98	-87	0.1	10.4
10/16/04	08:30:52	25.35	253.945	255.645	246.01	3.46	170.2	83	48.82	19.907	7.98	-87.1	0.6	10
10/16/04	09:00:52	25.02	255.561	255.648	248.33	3.44	170.8	81	48.78	19.847	7.99	-87.5	-0.8	9
10/16/04	09:30:52	25.95	251.114	255.648	241.96	3.48	167.8	81	48.71	19.909	7.98	-86.9	0.1	10
10/16/04	10:00:52	25.95	251.075	255.648	241.91	3.48	167.9	81	48.67	19.885	7.98	-87.2	0.5	9.5
10/16/04	10:30:52	24.86	256.331	255.648	249.44	3.42	170.7	81	48.61	19.73	7.97	-86.3	0.6	8.9
10/16/04	11:00:52	24.02	260.52	255.648	255.51	3.32	170.6	81	48.55	19.597	7.98	-86.6	0.3	9.6
10/16/04	11:30:52	25.65	252.506	255.648	243.95	3.47	168.8	81	48.5	19.754	7.98	-86.9	-0	6.3
10/16/04	12:00:52	25.85	251.581	255.645	242.63	3.47	168.1	81	48.42	19.729	7.97	-86.9	0.2	7.6
10/16/04	12:30:52	24.05	260.344	255.645	255.25	3.35	172	81	48.35	19.484	7.98	-87	3.8	8.3
10/16/04	13:00:52	25.07	255.302	255.648	247.96	3.41	169	83	48.33	19.587	7.99	-87.3	13.8	7.5
10/16/04	13:30:52	24.92	256.053	255.645	249.04	3.37	168.2	83	48.3	19.555	7.99	-87.7	25.7	7.8
10/16/04	14:00:52	25.05	255.391	255.645	248.09	3.35	166.2	83	48.26	19.543	8.01	-88.5	41.2	7.8
10/16/04	14:30:52	24.16	259.789	255.645	254.45	3.27	167.2	84	48.25	19.437	8.01	-88.6	61.2	7.9
10/16/04	15:00:52	26	250.834	255.648	241.56	3.38	163	83	48.24	19.635	8	-88.6	79.3	8
10/16/04	15:30:52	25.23	254.55	255.648	246.88	3.39	167.2	84	48.23	19.544	8	-88.3	99.5	7.2
10/16/04	16:00:52	24.87	256.304	255.648	249.4	3.36	167.7	84	48.25	19.519	8.01	-88.6	123.2	7.8
10/16/04	16:30:52	24.97	255.81	255.652	248.69	3.39	168.4	84	48.27	19.542	8	-88	145.7	7
10/16/04	17:00:52	25.01	255.623	255.652	248.42	3.42	169.9	84	48.3	19.563	8	-88	157.4	7.8
10/16/04	17:30:52	24.88	256.219	255.648	249.28	3.41	170.3	86	48.34	19.573	7.99	-87.7	152.5	7.8
10/16/04	18:00:52	24.9	256.142	255.652	249.17	3.52	175.8	84	48.38	19.602	7.99	-87.7	168.1	8
10/16/04	18:30:52	26.08	250.499	255.648	241.09	3.6	173.3	84	48.46	19.776	7.99	-87.6	165.9	8.3
10/16/04	19:00:52	25.41	253.654	255.648	245.59	3.58	175.8	86	48.51	19.729	7.99	-87.8	161	7.8
10/16/04	19:30:52	24.83	256.462	255.648	249.63	3.58	179	86	48.6	19.719	7.99	-87.6	149	7.9
10/16/04	20:00:52	24.91	256.062	255.645	249.06	3.62	180.6	84	48.67	19.768	7.99	-87.5	132.4	8.5
10/16/04	20:30:52	24.78	256.727	255.648	250.01	3.6	180	86	48.74	19.793	7.99	-87.6	116.8	8.4
10/16/04	21:00:52	24.73	256.98	255.648	250.38	3.58	179.6	86	48.78	19.815	7.99	-87.5	101.1	8.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/16/04	21:30:52	24.37	258.786	255.648	252.99	3.66	185.7	84	48.86	19.816	7.99	-87.4	81	8.1
10/16/04	22:00:52	25.6	252.733	255.648	244.28	3.63	177.3	84	48.9	19.986	7.99	-87.5	46.7	9.4
10/16/04	22:30:52	26.07	250.52	255.648	241.12	3.69	177.7	84	48.96	20.068	7.98	-87.3	34.3	9.3
10/16/04	23:00:52	24.66	257.324	255.648	250.88	3.59	180.2	84	49	19.936	7.98	-87	13.9	9.6
10/16/04	23:30:52	24.9	256.112	255.645	249.13	3.65	181.7	84	49.01	19.971	7.98	-86.9	6.9	9.8
10/17/04	00:00:52	26.08	250.503	255.648	241.09	3.73	179.4	84	49.04	20.12	7.97	-86.7	3.6	9
10/17/04	00:30:52	25.97	250.985	255.645	241.78	3.67	177.2	84	49.05	20.11	7.98	-87	0.7	9.7
10/17/04	01:00:52	24	260.632	255.645	255.67	3.51	180.4	83	49.06	19.894	7.99	-87.1	0	9
10/17/04	01:30:52	25.9	251.338	255.648	242.28	3.67	177.6	84	49.08	20.12	7.98	-87	-0.2	9.1
10/17/04	02:00:52	26.08	250.482	255.645	241.06	3.67	176.3	84	49.09	20.148	7.98	-87.1	0.2	9.8
10/17/04	02:30:52	24.24	259.407	255.641	253.89	3.54	180.4	84	49.07	19.925	7.99	-87.2	1.2	9.5
10/17/04	03:00:52	25.59	252.807	255.648	244.38	3.64	177.4	84	49.07	20.084	7.98	-87.4	-0.4	9.2
10/17/04	03:30:52	25.29	254.25	255.645	246.45	3.59	176.7	83	49.06	20.041	7.98	-87.1	0.5	9.1
10/17/04	04:00:52	24.28	259.223	255.645	253.62	3.5	178	84	49.05	19.919	7.98	-87.2	-0.8	9.5
10/17/04	04:30:52	23.83	261.476	255.645	256.9	3.45	178.2	84	49.04	19.858	7.99	-87.2	0.7	9.4
10/17/04	05:00:52	24	260.605	255.641	255.63	3.45	177.4	84	49.02	19.866	7.99	-87.1	0.1	10.4
10/17/04	05:30:52	25.42	253.597	255.645	245.51	3.56	174.6	84	49	20.021	7.98	-87	0.4	10.1
10/17/04	06:00:52	24.69	257.18	255.645	250.67	3.48	174.7	84	48.97	19.919	7.98	-87.1	0.6	9.3
10/17/04	06:30:52	25.91	251.261	255.645	242.17	3.53	170.9	84	48.94	20.04	7.97	-86.7	2.9	10.3
10/17/04	07:00:52	24.81	256.566	255.645	249.78	3.46	173	83	48.92	19.904	7.98	-87	0.7	10.1
10/17/04	07:30:52	24.75	256.886	255.645	250.24	3.46	173.2	84	48.9	19.887	7.98	-86.8	0.9	9.6
10/17/04	08:00:52	24.61	257.565	255.645	251.22	3.39	170.8	83	48.85	19.843	7.99	-87.3	-0.7	10.9
10/17/04	08:30:52	25.91	251.278	255.645	242.2	3.52	170.1	83	48.82	19.968	7.97	-86.9	0.7	15.6
10/17/04	09:00:52	24.09	260.181	255.648	255.02	3.33	170.3	84	48.77	19.73	7.98	-87	-0.9	15.2
10/17/04	09:30:52	24.15	259.886	255.645	254.59	3.44	175.8	84	48.71	19.705	7.98	-87	-0	10.1
10/17/04	10:00:52	25.03	255.508	255.641	248.26	3.52	174.7	83	48.67	19.784	7.98	-87	0.9	10.3
10/17/04	10:30:52	24.01	260.544	255.641	255.55	3.4	174.8	83	48.61	19.63	7.98	-86.7	-1.4	11.1
10/17/04	11:00:52	25.63	252.621	255.641	244.11	3.51	171.1	83	48.56	19.786	7.98	-87	1	11.4
10/17/04	11:30:52	25.56	252.922	255.645	244.55	3.42	167.1	84	48.49	19.737	7.97	-86.7	0.7	11.5
10/17/04	12:00:52	25.06	255.369	255.645	248.06	3.43	170.1	84	48.44	19.651	7.97	-86.6	0.9	10.4
10/17/04	12:30:52	23.84	261.415	255.645	256.81	3.33	171.9	84	48.37	19.47	7.98	-86.9	3.4	10.1
10/17/04	13:00:52	26.04	250.658	255.645	241.31	3.45	166.2	84	48.31	19.686	7.98	-87.2	12.7	10.1
10/17/04	13:30:52	24.37	258.777	255.648	252.98	3.27	166	84	48.26	19.468	7.99	-87.5	29.5	9.6
10/17/04	14:00:52	24.01	260.58	255.648	255.6	3.21	164.7	84	48.23	19.409	8	-87.7	48.1	9.8
10/17/04	14:30:52	25.98	250.946	255.648	241.72	3.31	159.8	84	48.19	19.604	7.99	-87.9	75.2	9
10/17/04	15:00:52	24.21	259.549	255.648	254.1	3.2	163.3	84	48.17	19.397	8.01	-88.4	87.3	17.7
10/17/04	15:30:52	24.42	258.534	255.648	252.63	3.24	164.3	84	48.15	19.408	8.01	-88.7	110	16.7
10/17/04	16:00:52	25.04	255.44	255.648	248.16	3.38	167.7	84	48.14	19.475	8	-88.1	137.2	17.4
10/17/04	16:30:52	24.81	256.57	255.648	249.79	3.37	168.7	84	48.16	19.46	7.99	-87.8	155.8	15.2
10/17/04	17:00:52	24.88	256.255	255.648	249.33	3.39	169.1	84	48.19	19.481	7.99	-87.3	177.2	15.4
10/17/04	17:30:52	24.26	259.314	255.648	253.76	3.37	171.7	86	48.21	19.427	7.99	-87.4	181.7	24.4
10/17/04	18:00:52	25.98	250.946	255.648	241.72	3.45	166.6	84	48.26	19.646	7.98	-87.4	191.7	15.7
10/17/04	18:30:52	26.08	250.486	255.648	241.07	3.49	167.7	86	48.31	19.685	8	-88.1	186.7	19.8
10/17/04	19:00:52	23.83	261.498	255.648	256.94	3.36	173.9	86	48.36	19.465	7.99	-87.1	177.2	25.3
10/17/04	19:30:52	25.99	250.924	255.652	241.69	3.5	168.6	86	48.44	19.752	7.98	-87.4	173.3	19.2
10/17/04	20:00:52	24.64	257.437	255.648	251.04	3.47	174.7	86	48.52	19.648	7.99	-87.4	157.7	26.3
10/17/04	20:30:52	23.98	260.72	255.648	255.8	3.42	175.8	86	48.6	19.621	7.99	-87.3	134.5	47
10/17/04	21:00:52	24.89	256.192	255.648	249.24	3.55	176.9	86	48.67	19.768	7.98	-86.9	113.9	11.9
10/17/04	21:30:52	24.65	257.383	255.648	250.96	3.62	181.8	86	48.76	19.791	7.98	-87	62.3	18
10/17/04	22:00:52	25.92	251.231	255.645	242.13	3.57	172.4	86	48.82	19.973	7.97	-86.7	71	16.3
10/17/04	22:30:52	23.92	261.032	255.645	256.26	3.49	179.5	86	48.89	19.783	7.98	-86.6	41.4	8.1
10/17/04	23:00:52	24.32	259.006	255.648	253.31	3.54	179.7	84	48.97	19.875	7.97	-86.5	16.2	11.1
10/17/04	23:30:52	24.72	257.003	255.645	250.41	3.55	177.9	84	49.02	19.956	7.97	-86.4	5.2	13.3
10/18/04	00:00:52	25.26	254.369	255.645	246.62	3.61	178	84	49.07	20.046	7.97	-86.5	0.2	8.8
10/18/04	00:30:52	25.19	254.715	255.645	247.12	3.56	175.8	84	49.08	20.044	7.97	-86.5	0.5	9.2
10/18/04	01:00:52	25.99	250.904	255.641	241.66	3.6	173.4	84	49.12	20.153	7.97	-86.6	0.5	10.2
10/18/04	01:30:52	24.72	257.008	255.645	250.42	3.5	175.4	84	49.14	20.023	7.97	-86.7	0.9	9.1
10/18/04	02:00:52	24.14	259.928	255.645	254.65	3.47	177.5	84	49.18	19.978	7.98	-86.7	0.5	9.7
10/18/04	02:30:52	24.26	259.305	255.645	253.74	3.44	175.1	84	49.16	19.98	7.98	-86.8	0.8	9.8
10/18/04	03:00:52	24.5	258.097	255.645	251.99	3.41	172	84	49.18	20.021	7.98	-86.8	0.5	8.6
10/18/04	03:30:52	24.05	260.363	255.645	255.28	3.4	174.5	84	49.2	19.979	7.98	-86.7	0.6	9
10/18/04	04:00:52	24.58	257.733	255.645	251.47	3.47	174.7	84	49.17	20.024	7.98	-86.9	0.4	8.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/18/04	04:30:52	25.21	254.631	255.645	247	3.46	170.8	84	49.17	20.095	7.97	-86.6	0.3	10.1
10/18/04	05:00:52	25.02	255.548	255.645	248.31	3.4	169.1	84	49.15	20.062	7.97	-86.6	1.5	9.4
10/18/04	05:30:52	25.08	255.267	255.645	247.91	3.43	169.8	84	49.12	20.05	7.97	-86.7	0.8	9.7
10/18/04	06:00:52	26.05	250.636	255.645	241.28	3.57	172.1	84	49.1	20.15	7.97	-86.6	-0.2	9.2
10/18/04	06:30:52	25.65	252.502	255.645	243.95	3.51	171.2	84	49.07	20.091	7.97	-86.5	0.2	9.9
10/18/04	07:00:52	25.07	255.302	255.645	247.96	3.47	172.2	84	49.03	20	7.97	-86.5	0.9	12.8
10/18/04	07:30:52	23.98	260.715	255.648	255.79	3.33	171.4	84	49.02	19.865	7.98	-86.7	0.8	18.6
10/18/04	08:00:52	23.83	261.466	255.645	256.89	3.29	170	84	48.97	19.82	7.98	-86.5	0	10
10/18/04	08:30:52	23.98	260.734	255.645	255.82	3.31	170.3	84	48.95	19.825	7.97	-86.5	0.8	9.7
10/18/04	09:00:52	24.29	259.159	255.641	253.53	3.33	169.5	84	48.91	19.84	7.97	-86.4	-0.4	9.7
10/18/04	09:30:52	23.98	260.734	255.645	255.82	3.33	171	84	48.83	19.756	7.98	-86.5	-0	9.8
10/18/04	10:00:52	25.87	251.469	255.641	242.47	3.44	166.5	84	48.81	19.958	7.97	-86.4	1.3	10.3
10/18/04	10:30:52	25.14	254.942	255.645	247.44	3.41	168.5	84	48.77	19.854	7.97	-86.4	0.6	9.2
10/18/04	11:00:52	25.3	254.193	255.645	246.37	3.43	168.7	84	48.71	19.835	7.97	-86.2	0.6	11.5
10/18/04	11:30:52	23.99	260.682	255.648	255.75	3.29	168.9	84	48.67	19.661	7.97	-86.5	-0.7	8.7
10/18/04	12:00:52	24.88	256.228	255.645	249.29	3.37	168.2	84	48.59	19.719	7.97	-86.2	1	10.3
10/18/04	12:30:52	24.1	260.09	255.641	254.88	3.31	169.3	84	48.55	19.609	7.97	-86.1	4	10.2
10/18/04	13:00:52	24.75	256.868	255.641	250.22	3.36	168.1	84	48.45	19.622	7.97	-86.2	13.5	9.7
10/18/04	13:30:52	25.56	252.922	255.641	244.55	3.4	166	84	48.39	19.678	7.96	-86.1	33.3	9.7
10/18/04	14:00:52	24.8	256.606	255.645	249.84	3.3	165.2	84	48.3	19.543	7.97	-86.2	59.7	8.4
10/18/04	14:30:52	24.75	256.895	255.645	250.26	3.29	164.7	84	48.26	19.508	7.97	-86.2	52.4	8.1
10/18/04	15:00:52	24.73	256.963	255.645	250.35	3.33	166.7	84	48.22	19.486	7.97	-86.2	65	8.6
10/18/04	15:30:52	24.83	256.498	255.645	249.68	3.38	169.1	84	48.2	19.485	7.96	-86.1	58.7	8.7
10/18/04	16:00:52	24.81	256.566	255.645	249.78	3.44	172.1	86	48.13	19.443	7.97	-86.2	127	8.4
10/18/04	16:30:52	24.86	256.323	255.645	249.43	3.48	173.8	84	48.18	19.478	7.96	-85.9	83	9.2
10/18/04	17:00:52	24.86	256.341	255.645	249.46	3.5	174.7	86	48.1	19.428	7.96	-86.1	183.8	9.9
10/18/04	17:30:52	24.8	256.633	255.648	249.88	3.57	178.8	87	48.14	19.444	7.97	-86.2	203	7.7
10/18/04	18:00:52	24.37	258.768	255.648	252.96	3.65	185.1	86	48.18	19.422	7.96	-85.9	197.5	9.5
10/18/04	18:30:52	24.85	256.372	255.645	249.5	3.72	186	87	48.16	19.465	7.96	-86.1	177.1	8.4
10/18/04	19:00:52	25.36	253.897	255.645	245.94	3.84	188.8	87	48.32	19.616	7.96	-86	191.5	8.1
10/18/04	19:30:52	24.9	256.116	255.645	249.13	3.8	189.6	87	48.29	19.548	7.96	-86	181.3	7.8
10/18/04	20:00:52	24.89	256.175	255.645	249.22	3.73	186.2	87	48.34	19.573	7.97	-86.2	189.3	7.9
10/18/04	20:30:52	24.57	257.764	255.648	251.51	3.71	187.2	87	48.46	19.608	7.96	-85.9	135.8	8.7
10/18/04	21:00:52	24.99	255.718	255.645	248.56	3.81	189.6	88	48.52	19.69	7.96	-86.1	113.6	7.7
10/18/04	21:30:52	24.85	256.363	255.645	249.49	3.77	188.4	87	48.66	19.755	7.96	-85.8	88.9	9.7
10/18/04	22:00:52	24.92	256.027	255.645	249	3.67	182.9	87	48.58	19.721	7.96	-85.6	62.7	7.9
10/18/04	22:30:52	24.96	255.825	255.645	248.71	3.67	182.4	87	48.8	19.853	7.95	-85.4	38.3	8.1
10/18/04	23:00:52	24.98	255.744	255.648	248.6	3.67	182.7	86	48.83	19.871	7.95	-85.5	19.8	8.4
10/18/04	23:30:52	25.1	255.164	255.648	247.76	3.67	181.8	86	48.87	19.908	7.95	-85.4	4.6	9.9
10/19/04	00:00:52	24.7	257.134	255.648	250.6	3.64	182.6	86	48.92	19.895	7.95	-85.4	1.5	9.2
10/19/04	00:30:52	25.13	255.013	255.645	247.54	3.59	177.5	86	49.11	20.055	7.95	-85.5	-0.4	0.4
10/19/04	01:00:52	24.73	256.99	255.645	250.39	3.52	176.5	86	49.11	20.005	7.95	-85.4	0.6	9.4
10/19/04	01:30:52	24.67	257.273	255.652	250.8	3.63	182.2	87	49.1	19.995	7.96	-85.6	1.1	9
10/19/04	02:00:52	24.25	259.341	255.648	253.8	3.43	174.5	86	49.18	19.993	7.95	-85.4	1	11
10/19/04	02:30:52	25.05	255.413	255.648	248.12	3.48	172.8	84	49.19	20.089	7.95	-85.5	-0	10.8
10/19/04	03:00:52	24.89	256.17	255.648	249.21	3.39	169.1	84	49.21	20.086	7.95	-85.4	0.3	11.1
10/19/04	03:30:52	25	255.641	255.648	248.45	3.41	169.3	84	49.26	20.125	7.96	-85.6	0.4	10.8
10/19/04	04:00:52	24.67	257.251	255.648	250.77	3.47	174.3	86	49.2	20.052	7.96	-85.6	0.3	10
10/19/04	04:30:52	25.27	254.324	255.652	246.55	3.47	171	86	49.19	20.117	7.95	-85.4	-0.1	8.8
10/19/04	05:00:52	25.28	254.311	255.648	246.54	3.46	170.6	84	49.21	20.13	7.95	-85.3	0	10.8
10/19/04	05:30:52	24.81	256.601	255.648	249.83	3.36	168.1	84	49.23	20.089	7.95	-85.3	0.4	11.6
10/19/04	06:00:52	25.01	255.623	255.648	248.42	3.43	170.3	84	49.21	20.095	7.95	-85.3	0.7	11.7
10/19/04	06:30:52	25	255.672	255.648	248.49	3.41	169.5	84	49.2	20.09	7.95	-85.1	0.5	10.9
10/19/04	07:00:52	25.99	250.916	255.645	241.68	3.45	166.4	84	49.16	20.179	7.94	-85.2	0.4	11.2
10/19/04	07:30:52	24.89	256.188	255.645	249.24	3.41	169.9	84	49.16	20.053	7.95	-85.3	0.6	10.4
10/19/04	08:00:52	24.88	256.251	255.645	249.33	3.37	168.2	84	49.09	20.013	7.95	-85.1	0.5	11.7
10/19/04	08:30:52	24.59	257.669	255.648	251.37	3.34	168.4	84	49.05	19.957	7.95	-85.3	-0.1	10.3
10/19/04	09:00:52	25.1	255.146	255.648	247.74	3.37	167	84	48.95	19.958	7.95	-85.2	0.7	12.8
10/19/04	09:30:52	25.62	252.646	255.648	244.15	3.4	165.8	84	48.97	20.026	7.95	-85.2	-0.3	11.7
10/19/04	10:00:52	24.9	256.129	255.648	249.15	3.37	167.9	84	48.9	19.906	7.95	-85.1	0	11.1
10/19/04	10:30:52	25.09	255.226	255.648	247.85	3.35	166.2	84	48.97	19.969	7.95	-85.1	1	11.9
10/19/04	11:00:52	24.65	257.346	255.648	250.91	3.37	169.4	84	48.93	19.892	7.95	-85.1	0.2	11.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/19/04	11:30:52	24.24	259.414	255.652	253.9	3.33	169.8	84	48.73	19.727	7.95	-85	0.3	12.8
10/19/04	12:00:52	24.82	256.52	255.648	249.71	3.34	166.7	84	48.7	19.777	7.94	-85	0.4	13.5
10/19/04	12:30:52	24.92	256.057	255.648	249.05	3.32	165.6	84	48.6	19.727	7.94	-85	4.3	12
10/19/04	13:00:52	25.27	254.36	255.648	246.61	3.34	164.8	84	48.65	19.797	7.94	-84.9	12.4	10.9
10/19/04	13:30:52	24.52	258.019	255.648	251.88	3.27	165.1	84	48.54	19.649	7.95	-85	36.2	13.5
10/19/04	14:00:52	25.09	255.19	255.648	247.8	3.33	164.9	84	48.53	19.707	7.95	-85.4	51.9	10.9
10/19/04	14:30:52	25.23	254.519	255.652	246.83	3.35	165.4	84	48.42	19.658	7.95	-85.6	70.8	11.1
10/19/04	15:00:52	25.57	252.904	255.648	244.52	3.38	165.2	86	48.37	19.667	7.95	-85.3	90	13.1
10/19/04	15:30:52	24.12	260.023	255.652	254.79	3.36	171.7	86	48.26	19.438	7.96	-85.5	80	12.4
10/19/04	16:00:52	25.06	255.368	255.652	248.06	3.39	168.4	86	48.28	19.558	7.96	-85.7	136.4	12.5
10/19/04	16:30:52	24.82	256.542	255.652	249.75	3.47	173.7	86	48.09	19.417	7.95	-85.1	153.4	1171.1
10/19/04	17:00:52	25.18	254.789	255.652	247.22	3.52	173.7	87	48.17	19.504	7.95	-85.4	170.5	14.4
10/19/04	17:30:52	25.53	253.091	255.652	244.79	3.57	174.6	87	48.09	19.496	7.95	-85.6	155.4	11.6
10/19/04	18:00:52	24.96	255.851	255.652	248.75	3.62	180	87	48.17	19.483	7.95	-85.3	165.9	12.2
10/19/04	18:30:52	25.23	254.536	255.656	246.86	3.69	181.9	88	48.11	19.479	7.95	-85.1	196	13
10/19/04	19:00:52	25.42	253.64	255.656	245.57	3.69	181.1	88	48.21	19.554	7.95	-85.3	193	10.9
10/19/04	19:30:52	25.55	252.99	255.656	244.64	3.71	181.3	88	48.15	19.534	7.94	-85.1	176.5	12.5
10/19/04	20:00:52	24.4	258.597	255.656	252.72	3.56	180.4	88	48.16	19.414	7.95	-85.4	168.9	13.2
10/19/04	20:30:52	25.82	251.718	255.656	242.83	3.75	181.9	88	48.24	19.617	7.94	-84.9	50.8	12.3
10/19/04	21:00:52	25.66	252.479	255.656	243.91	3.7	180.2	87	48.28	19.625	7.94	-85	60.3	13.1
10/19/04	21:30:52	25.26	254.399	255.652	246.66	3.59	176.9	88	48.35	19.621	7.95	-85.4	100.3	11.4
10/19/04	22:00:52	24.98	255.752	255.656	248.61	3.58	178.2	88	48.44	19.641	7.94	-84.8	45.1	11.9
10/19/04	22:30:52	25.94	251.134	255.656	241.99	3.63	175.2	88	48.49	19.779	7.94	-84.8	44.2	12.3
10/19/04	23:00:52	26.03	250.739	255.652	241.43	3.62	174.3	87	48.58	19.838	7.93	-84.4	20	11.5
10/19/04	23:30:52	25.29	254.227	255.652	246.42	3.57	175.8	87	48.71	19.839	7.93	-84.5	5.2	13.1
10/20/04	00:00:52	24.5	258.132	255.652	252.04	3.44	173.8	86	48.79	19.79	7.94	-84.5	1.2	13.2
10/20/04	00:30:52	25.01	255.627	255.652	248.43	3.49	173.6	86	48.88	19.906	7.93	-84.4	0.3	72.9
10/20/04	01:00:52	24.3	259.129	255.652	253.49	3.39	172.6	87	48.95	19.862	7.94	-84.5	1	13.3
10/20/04	01:30:52	24.97	255.784	255.652	248.65	3.46	172.3	86	48.96	19.946	7.94	-84.5	0.2	13.3
10/20/04	02:00:52	24.99	255.699	255.652	248.53	3.39	168.5	86	49.06	20.008	7.93	-84.5	0.4	12.4
10/20/04	02:30:52	25.39	253.763	255.652	245.75	3.39	166.4	86	49.05	20.049	7.93	-84.4	0.3	12.6
10/20/04	03:00:52	24.89	256.183	255.648	249.23	3.34	166.8	86	49.12	20.031	7.94	-84.5	1	12.3
10/20/04	03:30:52	24.9	256.129	255.652	249.15	3.32	165.6	86	49.12	20.035	7.93	-84.4	-0.3	12.3
10/20/04	04:00:52	25.12	255.061	255.648	247.61	3.32	164.5	86	49.19	20.097	7.94	-84.5	-1.1	12.5
10/20/04	04:30:52	24.52	258.032	255.648	251.9	3.29	165.9	86	49.19	20.028	7.94	-84.4	1.3	12.6
10/20/04	05:00:52	25.06	255.378	255.648	248.07	3.27	162.4	84	49.17	20.083	7.93	-84.4	0.3	13.2
10/20/04	05:30:52	25.19	254.732	255.648	247.14	3.3	162.9	86	49.2	20.114	7.93	-84.4	-0.7	14.8
10/20/04	06:00:52	24.64	257.437	255.648	251.04	3.25	163.4	84	49.17	20.03	7.93	-84.4	0.4	15.1
10/20/04	06:30:52	24.96	255.829	255.645	248.72	3.2	159.1	86	49.16	20.062	7.93	-84.4	0.1	13.1
10/20/04	07:00:52	24.29	259.167	255.648	253.54	3.16	160.8	86	49.16	19.985	7.93	-84.4	1.5	14.3
10/20/04	07:30:52	24.95	255.905	255.648	248.83	3.21	159.9	84	49.14	20.053	7.93	-84.4	1.2	13.9
10/20/04	08:00:52	24.79	256.655	255.648	249.91	3.19	159.5	84	49.06	19.984	7.93	-84.4	0.5	12.6
10/20/04	08:30:52	24.1	260.131	255.645	254.94	3.1	158.6	84	49.1	19.928	7.93	-84.3	-0.3	13.4
10/20/04	09:00:52	24.51	258.083	255.645	251.97	3.12	157.6	86	49.05	19.945	7.93	-84.2	-0.1	13.6
10/20/04	09:30:52	24.95	255.874	255.648	248.78	3.17	157.7	84	49.05	19.996	7.93	-84.2	-1	14.2
10/20/04	10:00:52	24.84	256.413	255.645	249.56	3.17	158.2	84	48.99	19.949	7.93	-84.2	0.5	14.3
10/20/04	10:30:52	25.07	255.302	255.645	247.96	3.14	156	84	48.98	19.973	7.93	-84.2	-0.1	13.8
10/20/04	11:00:52	25	255.642	255.645	248.45	3.1	153.9	84	48.93	19.932	7.93	-84.2	0.3	14.8
10/20/04	11:30:52	25.52	253.144	255.648	244.86	3.14	153.7	84	48.89	19.969	7.93	-84.2	1	15.2
10/20/04	12:00:52	23.98	260.724	255.648	255.81	3.04	156.3	86	48.81	19.746	7.93	-84.1	0.5	14.7
10/20/04	12:30:52	24.97	255.785	255.645	248.65	3.07	152.9	86	48.8	19.853	7.93	-84.2	4.6	14.8
10/20/04	13:00:52	25.35	253.963	255.645	246.04	3.13	154.1	86	48.71	19.845	7.93	-84.2	15.1	15
10/20/04	13:30:52	25	255.655	255.645	248.47	3.06	151.9	86	48.71	19.806	7.93	-84.4	30.4	14.4
10/20/04	14:00:52	25.84	251.624	255.648	242.69	3.08	149.1	86	48.67	19.874	7.93	-84.5	45.7	15.9
10/20/04	14:30:52	25.56	252.926	255.645	244.55	3.07	150.2	86	48.54	19.768	7.95	-85.6	66.1	15.5
10/20/04	15:00:52	26.01	250.817	255.648	241.54	3.1	149.3	86	48.5	19.794	7.95	-85.7	87.1	15.6
10/20/04	15:30:52	23.83	261.475	255.648	256.9	2.94	151.7	86	48.43	19.502	7.96	-85.8	115.2	14.8
10/20/04	16:00:52	25.95	251.067	255.645	241.9	3.04	146.8	86	48.38	19.715	7.95	-85.5	134.8	14.9
10/20/04	16:30:52	25.83	251.676	255.648	242.77	3.07	148.8	87	48.28	19.644	7.95	-85.3	151.6	17
10/20/04	17:00:52	23.9	261.129	255.648	256.4	3	154.6	87	48.26	19.411	7.95	-85.3	166.7	14.3
10/20/04	17:30:52	24.87	256.304	255.648	249.4	3.02	150.7	87	48.17	19.472	7.94	-84.9	182.1	15.4
10/20/04	18:00:52	24.02	260.542	255.652	255.54	2.91	149.6	88	48.17	19.375	7.95	-85.2	193.6	15.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/20/04	18:30:52	24.3	259.093	255.648	253.44	3.02	153.5	88	48.14	19.393	7.95	-85	180.5	16
10/20/04	19:00:52	25.5	253.223	255.648	244.98	3.07	150.3	88	48.17	19.539	7.94	-84.9	175.7	17.1
10/20/04	19:30:52	26.11	250.348	255.652	240.87	3.14	151	88	48.13	19.585	7.94	-84.9	165.2	18.7
10/20/04	20:00:52	25.78	251.91	255.648	243.1	3.15	152.9	88	48.11	19.537	7.94	-85	157.9	20.7
10/20/04	20:30:52	26.1	250.369	255.652	240.9	3.15	151.3	88	48.12	19.575	7.94	-85.1	145	18.8
10/20/04	21:00:52	25.37	253.861	255.648	245.89	3.11	152.6	88	48.13	19.504	7.95	-85.6	118.1	17.5
10/20/04	21:30:52	23.93	261.008	255.652	256.22	3.01	154.8	88	48.2	19.379	7.94	-84.7	90.7	19.2
10/20/04	22:00:52	24.86	256.331	255.648	249.44	3.01	150.3	88	48.27	19.532	7.93	-84.4	60.6	16.5
10/20/04	22:30:52	24.33	258.96	255.648	253.24	3	152.4	90	48.31	19.493	7.93	-84.3	37.7	14.2
10/20/04	23:00:52	24.82	256.547	255.648	249.75	2.88	144	88	48.38	19.59	7.92	-83.6	16.8	14.7
10/20/04	23:30:52	25.31	254.152	255.652	246.31	2.85	140.5	87	48.46	19.689	7.91	-83.4	3.5	16.6
10/21/04	00:00:52	25.91	251.299	255.648	242.23	2.82	136.3	87	48.54	19.806	7.91	-83.3	0.6	16.9
10/21/04	00:30:52	25.17	254.838	255.652	247.29	2.69	132.8	87	48.62	19.771	7.92	-83.6	1.3	15.7
10/21/04	01:00:52	23.94	260.92	255.648	256.09	2.62	134.6	88	48.72	19.688	7.92	-83.4	-0	15.5
10/21/04	01:30:52	24.19	259.655	255.648	254.25	2.56	130.5	87	48.79	19.754	7.92	-83.5	2	18.3
10/21/04	02:00:52	23.99	260.673	255.648	255.73	2.5	128.6	87	48.86	19.773	7.92	-83.4	0.9	36.7
10/21/04	02:30:52	25.35	253.945	255.648	246.01	2.58	126.7	87	48.9	19.955	7.92	-83.5	0.9	15.5
10/21/04	03:00:52	25.83	251.65	255.648	242.73	2.55	123.7	87	48.97	20.05	7.91	-83.4	1.1	15.5
10/21/04	03:30:52	24.77	256.79	255.648	250.1	2.49	124.8	87	49.01	19.956	7.92	-83.6	0.4	15.4
10/21/04	04:00:52	23.94	260.914	255.652	256.08	2.35	121.1	87	49.04	19.876	7.92	-83.5	0.6	15.4
10/21/04	04:30:52	24.94	255.945	255.648	248.89	2.39	119	88	49.12	20.04	7.92	-83.5	1.3	16.7
10/21/04	05:00:52	23.95	260.891	255.652	256.05	2.33	120.1	88	49.09	19.903	7.92	-83.6	-0.3	16.4
10/21/04	05:30:52	23.98	260.71	255.652	255.79	2.31	118.9	88	49.1	19.916	7.92	-83.4	0.9	16
10/21/04	06:00:52	25.87	251.497	255.656	242.51	2.41	116.4	88	49.12	20.142	7.91	-83.4	-0.1	16.1
10/21/04	06:30:52	24.22	259.507	255.648	254.04	2.32	118.4	88	49.1	19.944	7.92	-83.4	-0.9	38.2
10/21/04	07:00:52	24.15	259.885	255.652	254.59	2.31	118.3	88	49.12	19.947	7.92	-83.3	0.6	17.5
10/21/04	07:30:52	24.91	256.093	255.652	249.1	2.31	115.4	88	49.08	20.009	7.91	-83.3	-0.3	16.9
10/21/04	08:00:52	25.93	251.208	255.652	242.1	2.32	112.1	88	49.05	20.109	7.91	-83.2	0.5	17.5
10/21/04	08:30:52	24.26	259.345	255.656	253.8	2.23	113.7	88	49.06	19.922	7.92	-83.3	-1.1	17.5
10/21/04	09:00:52	24.04	260.454	255.656	255.41	2.22	113.7	88	49.03	19.881	7.92	-83.2	-0.7	18.6
10/21/04	09:30:52	24.13	259.963	255.652	254.7	2.22	113.5	88	49.02	19.886	7.92	-83.3	0	17.3
10/21/04	10:00:52	24.26	259.318	255.652	253.76	2.22	112.8	87	49	19.888	7.91	-83.2	0.9	17.5
10/21/04	10:30:52	25.18	254.758	255.652	247.18	2.24	110.8	88	48.97	19.975	7.91	-83.4	0.7	18.3
10/21/04	11:00:52	24.3	259.134	255.652	253.5	2.2	111.8	88	48.94	19.857	7.91	-83.2	-0.5	273.1
10/21/04	11:30:52	24.11	260.06	255.656	254.84	2.2	112.8	88	48.91	19.819	7.92	-83.3	1	19.1
10/21/04	12:00:52	25.43	253.552	255.652	245.45	2.19	107.2	88	48.89	19.958	7.91	-83.3	0.7	18.7
10/21/04	12:30:52	25.72	252.192	255.652	243.5	2.19	106.5	88	48.86	19.973	7.91	-83.3	4.1	18.9
10/21/04	13:00:52	24.1	260.139	255.652	254.96	2.09	107.1	88	48.83	19.767	7.92	-83.5	14.6	17.2
10/21/04	13:30:52	24.12	260.028	255.652	254.79	2.09	107.1	88	48.82	19.767	7.93	-84.2	30.4	19.1
10/21/04	14:00:52	26.09	250.459	255.656	241.03	2.15	103.5	88	48.74	19.944	7.93	-84.5	43.2	20.2
10/21/04	14:30:52	26.25	249.706	255.656	239.96	2.05	98.2	88	48.71	19.942	7.95	-85.7	67.8	18
10/21/04	15:00:52	24.76	256.83	255.656	250.16	1.94	97.4	90	48.67	19.751	7.97	-86.2	94.5	18.1
10/21/04	15:30:52	26.16	250.095	255.656	240.51	2.03	97.4	90	48.62	19.878	7.97	-86.5	108.9	19.4
10/21/04	16:00:52	25.45	253.49	255.656	245.36	1.97	96.6	90	48.57	19.77	7.96	-85.8	131.4	19.5
10/21/04	16:30:52	25.33	254.049	255.66	246.16	1.84	90.4	90	48.52	19.731	7.95	-85.4	163.3	18.2
10/21/04	17:00:52	24.98	255.769	255.66	248.63	1.81	89.9	91	48.45	19.65	7.95	-85.6	171.8	18.8
10/21/04	17:30:52	24.72	257.047	255.656	250.47	1.83	91.6	91	48.42	19.598	7.94	-84.9	187.6	18.4
10/21/04	18:00:52	25.27	254.341	255.656	246.58	1.81	89.3	91	48.37	19.631	7.94	-84.5	194.4	17.9
10/21/04	18:30:52	25.37	253.878	255.656	245.91	1.79	88	91	48.32	19.615	7.93	-84.4	189.2	17.8
10/21/04	19:00:52	25.89	251.41	255.66	242.39	1.78	86.2	92	48.27	19.643	7.95	-85.4	177.4	17.7
10/21/04	19:30:52	25.09	255.215	255.66	247.84	1.79	88.9	91	48.25	19.542	7.95	-85.2	169.7	18.2
10/21/04	20:00:52	24.19	259.676	255.66	254.28	1.69	86.5	92	48.25	19.44	7.95	-85	161.8	20
10/21/04	20:30:52	25.26	254.377	255.656	246.63	1.73	85.2	92	48.22	19.543	7.95	-85.2	144.8	18.6
10/21/04	21:00:52	24.27	259.253	255.656	253.67	1.76	89.6	91	48.24	19.442	7.94	-84.8	119.9	18.9
10/21/04	21:30:52	25.6	252.745	255.656	244.29	1.82	89	91	48.26	19.606	7.95	-85.3	101.5	18.2
10/21/04	22:00:52	26.05	250.631	255.652	241.28	1.9	91.4	91	48.29	19.67	7.93	-84.3	57.8	20.6
10/21/04	22:30:52	24.52	258	255.652	251.85	1.88	94.7	91	48.33	19.525	7.92	-83.4	23.8	19.6
10/21/04	23:00:52	26.11	250.344	255.652	240.87	1.98	95.4	91	48.37	19.725	7.91	-83.1	17.7	19.8
10/21/04	23:30:52	25.45	253.495	255.656	245.37	1.95	95.6	91	48.43	19.686	7.91	-82.9	4.5	20.6
10/22/04	00:00:52	26.12	250.296	255.656	240.8	2.02	97	91	48.47	19.787	7.91	-83.3	0.2	21.4
10/22/04	00:30:52	25.31	254.156	255.656	246.31	1.97	97	90	48.56	19.748	7.91	-82.9	-0	22.7
10/22/04	01:00:52	25.09	255.203	255.652	247.82	1.94	96.2	90	48.63	19.764	7.91	-82.9	-0.2	22.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/22/04	01:30:52	25.92	251.251	255.656	242.16	2	96.6	88	48.69	19.894	7.9	-82.6	0.1	5.1
10/22/04	02:00:52	26.22	249.822	255.652	240.13	2.1	100.4	88	48.77	19.973	7.9	-82.6	0.8	22
10/22/04	02:30:52	24.19	259.695	255.656	254.31	1.99	101.4	90	48.84	19.785	7.91	-82.8	-0.4	20.9
10/22/04	03:00:52	24.21	259.58	255.656	254.14	1.97	100.3	88	48.9	19.823	7.91	-82.7	0.4	20.9
10/22/04	03:30:52	26	250.851	255.652	241.59	2.06	99.2	90	48.97	20.066	7.9	-82.8	0.3	22.4
10/22/04	04:00:52	26.21	249.869	255.652	240.19	2.02	96.7	88	49.01	20.113	7.9	-82.8	0.6	20.4
10/22/04	04:30:52	24.02	260.538	255.652	255.54	1.95	99.9	88	49.04	19.884	7.91	-83.1	0.2	20.3
10/22/04	05:00:52	23.96	260.863	255.656	256.01	1.91	98.3	90	49.08	19.896	7.91	-83	0.5	21.6
10/22/04	05:30:52	24	260.617	255.652	255.65	1.93	99	90	49.1	19.915	7.91	-82.9	0.3	24.2
10/22/04	06:00:52	26.21	249.895	255.648	240.23	2	95.9	90	49.11	20.171	7.9	-82.8	0.9	24.5
10/22/04	06:30:52	23.98	260.71	255.652	255.79	1.94	99.6	90	49.12	19.927	7.91	-82.9	0.5	23.8
10/22/04	07:00:52	24.03	260.487	255.652	255.46	1.88	96.6	90	49.12	19.93	7.91	-82.8	1.1	24.3
10/22/04	07:30:52	23.88	261.246	255.648	256.57	1.91	98.4	88	49.12	19.912	7.91	-82.9	-0.2	29
10/22/04	08:00:52	23.88	261.255	255.652	256.58	1.87	96.6	90	49.1	19.9	7.91	-82.7	-0.3	28.6
10/22/04	08:30:52	26.13	250.262	255.652	240.75	2.01	96.5	90	49.08	20.147	7.9	-82.6	-0.4	31.5
10/22/04	09:00:52	26.1	250.383	255.648	240.92	1.94	93.4	88	49.07	20.138	7.9	-82.6	0	29.9
10/22/04	09:30:52	24.23	259.465	255.652	253.98	1.87	95.4	88	49.04	19.908	7.91	-82.8	1.7	27.9
10/22/04	10:00:52	25.11	255.124	255.648	247.7	1.89	93.7	88	49.01	19.993	7.91	-82.9	-0.1	26
10/22/04	10:30:52	25.54	253.056	255.652	244.74	1.94	94.8	90	49.01	20.042	7.9	-82.5	0.5	27.6
10/22/04	11:00:52	24.09	260.172	255.652	255	1.9	97.2	90	49	19.868	7.91	-82.7	0.4	27.7
10/22/04	11:30:52	24.22	259.543	255.652	254.09	1.85	94.5	90	48.96	19.86	7.91	-82.7	-0.4	25.5
10/22/04	12:00:52	25.62	252.662	255.656	244.17	2.09	102	93	48.95	20.014	7.9	-82.8	-0.9	26
10/22/04	12:30:52	24	260.635	255.652	255.68	1.8	92.3	90	48.93	19.817	7.9	-82.4	4.1	30
10/22/04	13:00:52	24.2	259.613	255.652	254.19	1.73	88.4	88	48.91	19.83	7.91	-82.9	14.6	22.7
10/22/04	13:30:52	26.2	249.945	255.656	240.3	1.77	84.6	90	48.89	20.043	7.9	-82.9	27.1	25.8
10/22/04	14:00:52	25.1	255.145	255.652	247.73	1.71	84.6	90	48.87	19.911	7.93	-84.2	54.2	22.8
10/22/04	14:30:52	26.17	250.069	255.656	240.48	1.72	82.5	90	48.85	20.014	7.92	-84	68.4	27.4
10/22/04	15:00:52	24.05	260.357	255.652	255.27	1.58	81.2	90	48.82	19.759	7.94	-84.5	94.3	22.8
10/22/04	15:30:52	26.21	249.885	255.656	240.22	1.63	78	90	48.78	19.976	7.94	-85.2	119.1	23.9
10/22/04	16:00:52	25.86	251.536	255.656	242.57	1.61	77.8	91	48.74	19.917	7.95	-85.3	134.7	25.6
10/22/04	16:30:52	24	260.626	255.652	255.66	1.5	77.1	91	48.7	19.68	7.94	-84.3	100.2	24.4
10/22/04	17:00:52	26.25	249.693	255.656	239.94	1.51	72.3	92	48.66	19.91	7.94	-84.8	164.4	27.4
10/22/04	17:30:52	24.97	255.787	255.656	248.66	1.44	71.5	92	48.6	19.738	7.94	-84.8	184.5	26.9
10/22/04	18:00:52	25.83	251.662	255.652	242.75	1.48	71.8	91	48.56	19.807	7.93	-84.3	191.4	27.4
10/22/04	18:30:52	26.14	250.215	255.656	240.68	1.44	69.2	92	48.52	19.818	7.94	-84.7	184.6	29.2
10/22/04	19:00:52	25.2	254.679	255.652	247.06	1.4	69.2	93	48.48	19.69	7.94	-84.7	176.8	27.4
10/22/04	19:30:52	24.29	259.184	255.652	253.57	1.42	72.2	92	48.44	19.563	7.94	-84.7	182.4	27.1
10/22/04	20:00:52	25.11	255.096	255.652	247.66	1.43	71	92	48.41	19.642	7.94	-85	170.7	27.4
10/22/04	20:30:52	24.27	259.248	255.656	253.66	1.44	73.1	93	48.39	19.535	7.94	-84.5	156.6	27.2
10/22/04	21:00:52	24.7	257.11	255.656	250.57	1.54	77.3	92	48.38	19.573	7.92	-83.4	37.5	27.7
10/22/04	21:30:52	26.22	249.822	255.652	240.13	1.65	79	92	48.36	19.734	7.91	-83.1	39	30.1
10/22/04	22:00:52	26.02	250.76	255.652	241.46	1.68	80.8	92	48.37	19.714	7.9	-82.9	44.1	29.1
10/22/04	22:30:52	24.43	258.47	255.652	252.53	1.63	82.6	91	48.37	19.541	7.9	-82.3	21.2	28.3
10/22/04	23:00:52	26.16	250.091	255.652	240.51	1.71	81.9	91	48.41	19.756	7.89	-82.4	17.1	31.1
10/22/04	23:30:52	23.92	261.04	255.652	256.27	1.71	88.2	91	48.43	19.516	7.9	-82.2	4.1	30.4
10/23/04	00:00:52	25.05	255.413	255.648	248.12	1.74	86.2	91	48.47	19.67	7.89	-82	1	30.7
10/23/04	00:30:52	26.2	249.907	255.652	240.25	1.77	85	91	48.52	19.825	7.89	-82	1.5	30
10/23/04	01:00:52	25.25	254.452	255.656	246.74	1.78	87.8	91	48.58	19.756	7.89	-82	-0.3	30.7
10/23/04	01:30:52	23.94	260.942	255.652	256.13	1.7	87.4	91	48.64	19.642	7.9	-82.1	1.1	30.5
10/23/04	02:00:52	24.12	260.014	255.652	254.77	1.74	89	91	48.71	19.701	7.89	-82	0	28.9
10/23/04	02:30:52	25.82	251.71	255.652	242.81	1.82	88.1	91	48.76	19.925	7.89	-82	0.1	30.5
10/23/04	03:00:52	24.08	260.213	255.652	255.06	1.72	88.3	90	48.83	19.77	7.89	-82	0.4	29.4
10/23/04	03:30:52	26.26	249.634	255.652	239.86	1.82	87.2	90	48.89	20.049	7.89	-82	0.1	29.4
10/23/04	04:00:52	24	260.645	255.652	255.69	1.72	88.1	91	48.96	19.833	7.9	-82.3	-0.2	29.1
10/23/04	04:30:52	24.34	258.922	255.656	253.19	1.75	89	90	48.99	19.891	7.89	-81.8	1.2	30.2
10/23/04	05:00:52	24.91	256.097	255.652	249.11	1.78	88.5	91	49.02	19.978	7.9	-82.3	0.5	30.2
10/23/04	05:30:52	24.4	258.598	255.652	252.72	1.74	88.1	90	49.06	19.937	7.89	-82.1	0.9	32
10/23/04	06:00:52	23.95	260.882	255.652	256.04	1.77	90.9	91	49.05	19.879	7.9	-82.2	0.1	30.6
10/23/04	06:30:52	24.14	259.903	255.652	254.61	1.74	89.1	90	49.08	19.924	7.89	-82	-0.9	30
10/23/04	07:00:52	24.08	260.227	255.652	255.08	1.73	88.4	90	49.09	19.917	7.9	-82.1	-0.2	28
10/23/04	07:30:52	26.15	250.177	255.652	240.63	1.78	85.7	90	49.08	20.151	7.88	-81.7	0.3	30.6
10/23/04	08:00:52	26.13	250.262	255.652	240.75	1.8	86.4	90	49.09	20.155	7.89	-82	-0.1	38.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/23/04	08:30:52	25.45	253.474	255.648	245.34	1.8	88.2	90	49.08	20.072	7.89	-81.8	0.7	30.5
10/23/04	09:00:52	24.23	259.456	255.652	253.96	1.76	89.8	90	49.06	19.92	7.89	-81.8	1	29.9
10/23/04	09:30:52	24.13	259.977	255.652	254.72	1.74	89	90	49.06	19.905	7.89	-81.7	0.7	29.4
10/23/04	10:00:52	24.8	256.651	255.648	249.9	1.79	89.6	91	49	19.951	7.88	-81.5	-0	32
10/23/04	10:30:52	25.98	250.963	255.648	241.75	1.82	87.6	91	48.99	20.078	7.88	-81.4	1.8	28.3
10/23/04	11:00:52	23.99	260.678	255.648	255.74	1.74	89.5	90	48.99	19.848	7.88	-81.4	0.4	30.3
10/23/04	11:30:52	26.18	250.001	255.652	240.38	1.81	86.9	91	48.98	20.097	7.88	-81.4	0.2	28.9
10/23/04	12:00:52	25.53	253.078	255.656	244.77	1.97	96.2	95	48.96	20.013	7.89	-81.8	1	29.9
10/23/04	12:30:52	24.73	256.957	255.652	250.35	1.75	87.5	90	48.97	19.925	7.89	-81.7	4.1	29
10/23/04	13:00:52	26.4	249.013	255.656	238.98	1.73	82.4	90	48.96	20.107	7.89	-82.3	15	26.6
10/23/04	13:30:52	24.59	257.672	255.656	251.38	1.57	79.1	91	48.95	19.896	7.91	-83.1	34.4	25.2
10/23/04	14:00:52	26.17	250.077	255.66	240.49	1.57	75.4	91	48.95	20.077	7.92	-83.7	52.1	27.4
10/23/04	14:30:52	24.31	259.096	255.66	253.44	1.49	76	91	48.96	19.869	7.93	-84.2	73.7	27.2
10/23/04	15:00:52	24.25	259.39	255.66	253.87	1.46	74.6	92	48.94	19.853	7.93	-83.8	67.6	28.5
10/23/04	15:30:52	24.25	259.376	255.66	253.85	1.48	75.2	92	48.92	19.838	7.91	-82.8	48.3	27.8
10/23/04	16:00:52	24.57	257.761	255.664	251.51	1.5	75.7	92	48.9	19.864	7.92	-83.7	147.7	29.1
10/23/04	16:30:52	24.41	258.559	255.664	252.66	1.45	73.2	92	48.9	19.844	7.92	-83.7	165.2	28.1
10/23/04	17:00:52	24.26	259.334	255.664	253.79	1.43	72.6	93	48.86	19.806	7.92	-83.3	174.5	27
10/23/04	17:30:52	24.21	259.593	255.66	254.16	1.49	75.8	93	48.83	19.783	7.92	-83.3	90.4	27.8
10/23/04	18:00:52	24.39	258.664	255.664	252.82	1.47	74.4	93	48.78	19.776	7.9	-82.6	59.6	29.5
10/23/04	18:30:52	26.32	249.382	255.66	239.5	1.49	71	94	48.75	19.975	7.91	-83.3	200.6	30
10/23/04	19:00:52	24.38	258.71	255.664	252.88	1.37	69.3	94	48.7	19.728	7.91	-82.9	185.9	39
10/23/04	19:30:52	25.4	253.74	255.664	245.72	1.44	70.8	94	48.66	19.818	7.91	-83	166.8	34.7
10/23/04	20:00:52	26.15	250.163	255.66	240.61	1.48	70.8	94	48.61	19.875	7.92	-83.6	162.1	33.3
10/23/04	20:30:52	26.29	249.522	255.66	239.7	1.47	70.2	94	48.57	19.86	7.91	-83.3	144.1	31.1
10/23/04	21:00:52	24.71	257.095	255.664	250.54	1.38	69.1	94	48.54	19.669	7.91	-83.1	118.7	30.3
10/23/04	21:30:52	24.52	258.049	255.66	251.92	1.41	71.3	94	48.5	19.624	7.91	-83	92.7	38.2
10/23/04	22:00:52	24.19	259.667	255.656	254.27	1.44	73.7	93	48.48	19.575	7.91	-82.7	62.7	40.3
10/23/04	22:30:52	26.34	249.276	255.66	239.35	1.49	71.3	94	48.45	19.798	7.9	-82.5	40.9	41.1
10/23/04	23:00:52	24.42	258.546	255.66	252.64	1.51	76.3	93	48.46	19.588	7.89	-82	17.6	40.1
10/23/04	23:30:52	24.13	259.999	255.66	254.75	1.53	78	93	48.43	19.538	7.89	-81.6	2.6	42.1
10/24/04	00:00:52	26.06	250.587	255.66	241.21	1.64	78.7	93	48.45	19.765	7.88	-81.5	1.4	41.7
10/24/04	00:30:52	26.12	250.291	255.66	240.79	1.63	78.4	92	48.45	19.773	7.88	-81.5	0.3	45.2
10/24/04	01:00:52	25.61	252.728	255.656	244.27	1.63	79.6	93	48.48	19.733	7.88	-81.3	0.5	42.9
10/24/04	01:30:52	24.64	257.426	255.66	251.02	1.65	83	92	48.52	19.652	7.87	-80.9	1.9	49.1
10/24/04	02:00:52	26.04	250.69	255.66	241.36	1.81	87.2	92	48.56	19.833	7.86	-80.3	0	43.8
10/24/04	02:30:52	26.15	250.159	255.656	240.6	1.79	85.9	92	48.6	19.868	7.85	-80.1	1.1	44.3
10/24/04	03:00:52	24.39	258.656	255.66	252.8	1.8	91.1	91	48.67	19.707	7.86	-80	-0.6	43.8
10/24/04	03:30:52	24.41	258.574	255.656	252.68	1.79	90.7	92	48.71	19.733	7.85	-79.5	2.5	44.4
10/24/04	04:00:52	25.23	254.54	255.66	246.86	1.86	92	92	48.75	19.855	7.85	-79.5	1.1	44.9
10/24/04	04:30:52	25.94	251.169	255.66	242.04	1.97	95.2	92	48.8	19.96	7.84	-79.2	1.7	63.1
10/24/04	05:00:52	26.2	249.936	255.66	240.29	1.94	93.2	92	48.85	20.018	7.84	-79.3	0.1	57.9
10/24/04	05:30:52	25.66	252.492	255.66	243.93	2.02	98.2	91	48.87	19.97	7.83	-78.4	1.5	70.2
10/24/04	06:00:52	24.31	259.092	255.656	253.44	1.98	100.9	92	48.9	19.836	7.83	-78.2	1.1	62.6
10/24/04	06:30:52	24.68	257.205	255.656	250.7	1.97	99	92	48.91	19.882	7.83	-78.7	0.3	62.3
10/24/04	07:00:52	24.52	258.035	255.66	251.9	1.94	98.1	92	48.91	19.865	7.83	-78.6	0	60.8
10/24/04	07:30:52	24.82	256.527	255.66	249.73	1.83	91.4	92	48.9	19.897	7.87	-80.6	0.5	53.2
10/24/04	08:00:52	24.98	255.742	255.664	248.59	1.85	91.8	92	48.9	19.914	7.86	-80.1	1.1	59.6
10/24/04	08:30:52	26.57	248.205	255.664	237.83	1.79	84.7	92	48.91	20.094	7.87	-81.1	-0.8	63.2
10/24/04	09:00:52	25.83	251.661	255.664	242.74	1.75	84.8	92	48.88	19.999	7.88	-81.2	-0.5	79.6
10/24/04	09:30:52	24.68	257.218	255.66	250.72	1.73	87	93	48.88	19.868	7.88	-81.1	0.5	60.8
10/24/04	10:00:52	26.57	248.238	255.664	237.88	1.75	83	92	48.85	20.058	7.87	-81.3	0.5	66.2
10/24/04	10:30:52	25.29	254.274	255.664	246.48	1.68	82.9	92	48.83	19.908	7.88	-81.3	1	82.3
10/24/04	11:00:52	26.52	248.454	255.66	238.18	1.72	81.6	92	48.82	20.037	7.87	-81.1	-0.9	55.5
10/24/04	11:30:52	24.52	258.048	255.664	251.92	1.65	83.1	92	48.82	19.811	7.88	-81.2	-0.4	54.8
10/24/04	12:00:52	25.63	252.635	255.66	244.14	1.68	81.7	92	48.83	19.946	7.87	-81.1	1.3	192
10/24/04	12:30:52	25.37	253.89	255.664	245.93	1.68	82.7	92	48.82	19.911	7.88	-81.2	0.5	122.4
10/24/04	13:00:52	24.28	259.238	255.66	253.65	1.63	82.7	92	48.85	19.803	7.88	-81.4	15	160.7
10/24/04	13:30:52	25.47	253.362	255.66	245.18	1.57	77.1	92	48.86	19.945	7.89	-81.8	32.1	129.3
10/24/04	14:00:52	26.5	248.551	255.66	238.32	1.56	74.4	92	48.87	20.062	7.89	-82.4	50.5	148.5
10/24/04	14:30:52	24.42	258.528	255.66	252.62	1.46	74	92	48.87	19.83	7.9	-82.4	70.4	68.4
10/24/04	15:00:52	26.35	249.212	255.66	239.26	1.53	72.9	94	48.92	20.076	7.91	-83	91.6	57.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/24/04	15:30:52	26.43	248.865	255.656	238.77	1.45	69	94	48.92	20.087	7.9	-82.8	85.4	84.9
10/24/04	16:00:52	24.41	258.568	255.664	252.68	1.31	66.6	94	48.93	19.866	7.91	-83.1	144.1	55.3
10/24/04	16:30:52	24.37	258.774	255.664	252.97	1.3	65.8	94	48.95	19.871	7.9	-82.6	164	46.9
10/24/04	17:00:52	25.15	254.953	255.66	247.46	1.28	63.5	94	48.95	19.963	7.9	-82.6	178	66.5
10/24/04	17:30:52	25.03	255.504	255.668	248.25	1.29	64	95	48.94	19.943	7.9	-82.5	200.3	71.2
10/24/04	18:00:52	26.46	248.72	255.664	238.56	1.3	61.6	95	48.94	20.099	7.89	-82	184.5	65.8
10/24/04	18:30:52	24.42	258.527	255.664	252.62	1.19	60.3	95	48.91	19.855	7.89	-82.1	193.4	84.2
10/24/04	19:00:52	26.66	247.801	255.664	237.26	1.29	60.9	95	48.88	20.087	7.89	-82.2	180.8	70.3
10/24/04	19:30:52	25.97	251.004	255.664	241.81	1.33	64.2	95	48.85	19.995	7.89	-82.1	174.4	80.5
10/24/04	20:00:52	25.57	252.893	255.664	244.5	1.31	63.7	95	48.83	19.938	7.9	-82.5	161.8	83
10/24/04	20:30:52	24.98	255.751	255.664	248.61	1.31	65	95	48.81	19.857	7.89	-82.2	140.4	83.5
10/24/04	21:00:52	26.51	248.517	255.664	238.27	1.26	59.9	95	48.76	19.998	7.9	-82.5	113.6	102.6
10/24/04	21:30:52	24.51	258.066	255.664	251.95	1.29	65	95	48.73	19.761	7.89	-82.1	84.6	81.1
10/24/04	22:00:52	24.6	257.643	255.668	251.34	1.32	66.4	95	48.69	19.747	7.89	-81.9	60.8	87.8
10/24/04	22:30:52	24.39	258.655	255.664	252.8	1.4	70.8	94	48.67	19.71	7.88	-81.4	27.1	99.3
10/24/04	23:00:52	25.96	251.082	255.664	241.92	1.43	69.1	94	48.64	19.867	7.87	-81	16	81.4
10/24/04	23:30:52	25.88	251.457	255.664	242.45	1.45	70.1	94	48.63	19.856	7.87	-80.8	3.8	103.2
10/25/04	00:00:52	26.13	250.26	255.668	240.75	1.49	71.4	94	48.64	19.885	7.87	-80.8	1	67.8
10/25/04	00:30:52	25.6	252.779	255.664	244.34	1.48	72.1	93	48.63	19.821	7.87	-80.8	-0.7	109.7
10/25/04	01:00:52	26.29	249.531	255.664	239.71	1.51	72.1	94	48.64	19.904	7.87	-80.8	0.6	105.4
10/25/04	01:30:52	26.21	249.902	255.66	240.24	1.54	73.9	93	48.66	19.906	7.87	-80.9	1.8	82.8
10/25/04	02:00:52	25.76	252.004	255.664	243.23	1.59	77.1	93	48.68	19.869	7.86	-80.4	-0.4	92.4
10/25/04	02:30:52	24.65	257.39	255.66	250.97	1.57	78.7	93	48.7	19.755	7.86	-80.1	1.4	116.9
10/25/04	03:00:52	24.47	258.294	255.664	252.28	1.56	78.9	93	48.73	19.755	7.86	-80.1	0.1	108.9
10/25/04	03:30:52	25.14	254.992	255.668	247.51	1.64	81.1	94	48.77	19.854	7.85	-79.7	0.4	111.3
10/25/04	04:00:52	25.85	251.566	255.664	242.61	1.7	82.1	93	48.79	19.948	7.85	-79.8	0.6	90.8
10/25/04	04:30:52	26.11	250.364	255.664	240.9	1.66	80	93	48.81	19.987	7.85	-79.8	-0	99.5
10/25/04	05:00:52	24.34	258.917	255.66	253.18	1.57	79.8	93	48.84	19.802	7.86	-79.9	0.6	144.2
10/25/04	05:30:52	24.34	258.952	255.668	253.23	1.58	80.2	93	48.88	19.826	7.86	-80	0.2	144.5
10/25/04	06:00:52	24.64	257.453	255.664	251.06	1.6	80.2	93	48.87	19.858	7.86	-80	-0.3	34.3
10/25/04	06:30:52	25.03	255.509	255.664	248.26	1.56	77.5	93	48.89	19.913	7.86	-80.3	1.1	145.2
10/25/04	07:00:52	26.11	250.338	255.664	240.86	1.58	76	93	48.88	20.028	7.86	-80.3	0.1	145.7
10/25/04	07:30:52	25.81	251.752	255.664	242.87	1.55	75.3	93	48.87	19.987	7.86	-80.5	-0.4	138.3
10/25/04	08:00:52	25.42	253.63	255.664	245.56	1.54	75.7	93	48.87	19.944	7.86	-80.5	0.7	166.8
10/25/04	08:30:52	26.36	249.169	255.66	239.2	1.56	74.5	94	48.86	20.041	7.86	-80.3	-0.2	9.8
10/25/04	09:00:52	25.28	254.287	255.664	246.5	1.5	74.1	93	48.83	19.908	7.86	-80.4	0.5	178
10/25/04	09:30:52	25.49	253.31	255.66	245.1	1.51	74	93	48.81	19.919	7.86	-80.4	0.4	197.5
10/25/04	10:00:52	24.36	258.806	255.664	253.02	1.47	74.8	93	48.81	19.791	7.87	-80.4	0.7	141.1
10/25/04	10:30:52	26.58	248.196	255.664	237.82	1.55	73.7	94	48.79	20.026	7.86	-80.6	1	201.6
10/25/04	11:00:52	24.32	259.008	255.664	253.31	1.41	71.9	93	48.78	19.765	7.87	-80.7	0.3	154.6
10/25/04	11:30:52	24.6	257.621	255.66	251.31	1.39	70.2	94	48.77	19.792	7.87	-80.7	0.3	184.9
10/25/04	12:00:52	26.41	248.965	255.664	238.91	1.46	69.7	93	48.77	19.995	7.87	-81	2	188.5
10/25/04	12:30:52	24.72	257.055	255.66	250.49	1.39	69.8	93	48.75	19.795	7.87	-80.6	2.2	179.8
10/25/04	13:00:52	25.56	252.95	255.664	244.59	1.42	69.6	93	48.76	19.896	7.87	-80.9	13.8	178.1
10/25/04	13:30:52	25.2	254.694	255.668	247.09	1.38	68.4	93	48.77	19.86	7.87	-81	27.3	182.4
10/25/04	14:00:52	25.02	255.559	255.66	248.33	1.38	68.4	94	48.76	19.838	7.87	-80.9	46.1	175.9
10/25/04	14:30:52	26.42	248.897	255.668	238.81	1.41	67.2	93	48.8	20.011	7.88	-81.5	62.8	184.6
10/25/04	15:00:52	24.5	258.13	255.664	252.04	1.32	66.6	94	48.83	19.815	7.89	-81.7	96.7	184.1
10/25/04	15:30:52	26.47	248.665	255.664	238.48	1.34	63.7	95	48.85	20.046	7.88	-81.8	121.6	200.5
10/25/04	16:00:52	25.64	252.574	255.664	244.05	1.35	65.9	94	48.86	19.962	7.87	-81	103	172.3
10/25/04	16:30:52	24.41	258.596	255.664	252.72	1.27	64.4	95	48.89	19.84	7.89	-81.5	162.7	204.6
10/25/04	17:00:52	24.52	258.011	255.668	251.87	1.25	63	95	48.9	19.861	7.88	-81.4	172.4	193.8
10/25/04	17:30:52	25.5	253.265	255.664	245.04	1.26	61.9	95	48.92	19.98	7.87	-81.2	185.1	186.8
10/25/04	18:00:52	24.44	258.45	255.664	252.5	1.24	62.7	95	48.92	19.862	7.88	-81.3	187.2	187.6
10/25/04	18:30:52	25.25	254.455	255.664	246.74	1.23	60.8	96	48.94	19.966	7.88	-81.2	191.9	169.9
10/25/04	19:00:52	24.43	258.476	255.668	252.54	1.2	60.7	96	48.92	19.862	7.88	-81.1	180.5	178.5
10/25/04	19:30:52	26.67	247.75	255.664	237.19	1.26	59.6	96	48.92	20.112	7.88	-81.5	174.7	182
10/25/04	20:00:52	26.55	248.297	255.668	237.96	1.28	60.7	96	48.88	20.076	7.87	-81.3	144.6	208.6
10/25/04	20:30:52	24.48	258.221	255.664	252.17	1.21	61.2	96	48.88	19.841	7.88	-81.5	146.4	208.1
10/25/04	21:00:52	25.49	253.274	255.664	245.05	1.24	60.8	96	48.89	19.963	7.88	-81.3	113.2	259.7
10/25/04	21:30:52	25.06	255.38	255.664	248.07	1.23	60.9	96	48.85	19.892	7.88	-81.2	86	265.3
10/25/04	22:00:52	25.59	252.797	255.664	244.37	1.29	62.9	96	48.83	19.94	7.87	-81	58.7	217.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/25/04	22:30:52	26.2	249.948	255.668	240.3	1.29	61.8	96	48.8	19.987	7.86	-80.6	35.5	208.6
10/25/04	23:00:52	26.46	248.72	255.66	238.56	1.33	63.2	95	48.79	20.01	7.86	-80.3	16.3	240.4
10/25/04	23:30:52	24.43	258.5	255.664	252.58	1.29	65.1	95	48.78	19.778	7.86	-80.2	2.6	225.4
10/26/04	00:00:52	24.35	258.898	255.664	253.15	1.29	65.4	95	48.76	19.758	7.86	-80.3	0.4	239.2
10/26/04	00:30:52	25.08	255.291	255.66	247.94	1.31	65.1	95	48.74	19.827	7.86	-80.4	0.8	242.9
10/26/04	01:00:52	24.66	257.326	255.664	250.88	1.34	67.4	94	48.73	19.779	7.86	-80.1	0.3	242.4
10/26/04	01:30:52	24.35	258.898	255.664	253.15	1.33	67.4	94	48.75	19.754	7.86	-80.3	0.8	244.4
10/26/04	02:00:52	25.91	251.28	255.664	242.2	1.37	66.4	94	48.73	19.918	7.86	-80.3	1.2	245.4
10/26/04	02:30:52	26.2	249.919	255.664	240.26	1.39	66.4	94	48.76	19.968	7.85	-80.1	2.6	255.7
10/26/04	03:00:52	24.39	258.651	255.66	252.8	1.36	69.1	94	48.78	19.772	7.85	-79.3	-1.3	250.1
10/26/04	03:30:52	26.3	249.454	255.664	239.6	1.45	69.5	94	48.79	19.996	7.84	-79.5	0	256.8
10/26/04	04:00:52	25.36	253.921	255.664	245.98	1.38	67.7	94	48.81	19.904	7.85	-80	0.2	109.7
10/26/04	04:30:52	25.46	253.441	255.664	245.29	1.37	67.2	94	48.82	19.919	7.85	-79.7	1	251.6
10/26/04	05:00:52	24.4	258.613	255.668	252.74	1.32	67	95	48.84	19.811	7.86	-79.9	0.2	259.7
10/26/04	05:30:52	26.4	249.004	255.664	238.96	1.39	66.4	94	48.84	20.037	7.85	-80.1	1.4	263.9
10/26/04	06:00:52	24.64	257.457	255.664	251.07	1.29	64.9	94	48.86	19.852	7.85	-79.9	0.8	160.5
10/26/04	06:30:52	26.28	249.582	255.664	239.78	1.35	64.6	95	48.87	20.038	7.86	-80.3	0.7	257.7
10/26/04	07:00:52	25.36	253.898	255.664	245.94	1.3	63.6	95	48.87	19.939	7.86	-80.4	0.6	252.6
10/26/04	07:30:52	24.52	258.034	255.664	251.9	1.3	65.8	94	48.86	19.836	7.86	-80	1	255.1
10/26/04	08:00:52	26.36	249.19	255.664	239.23	1.36	64.7	94	48.84	20.031	7.85	-80.1	0.7	264.1
10/26/04	08:30:52	25.23	254.544	255.664	246.87	1.32	65	94	48.81	19.889	7.86	-80.3	0.6	250.8
10/26/04	09:00:52	26.63	247.96	255.664	237.49	1.36	64.4	94	48.8	20.034	7.85	-80.1	0.7	263.3
10/26/04	09:30:52	25.07	255.322	255.66	247.99	1.33	66	94	48.76	19.841	7.86	-80.3	1	255.1
10/26/04	10:00:52	26.31	249.437	255.664	239.58	1.36	65	94	48.74	19.966	7.86	-80.2	1	250.7
10/26/04	10:30:52	25.18	254.783	255.664	247.21	1.26	62.2	94	48.74	19.843	7.86	-80.1	0.4	256.5
10/26/04	11:00:52	24.38	258.747	255.664	252.93	1.27	64.5	94	48.68	19.716	7.86	-80.1	-0.3	253.1
10/26/04	11:30:52	24.54	257.912	255.66	251.73	1.26	63.5	94	48.67	19.727	7.86	-80.1	0.8	273.1
10/26/04	12:00:52	24.44	258.418	255.664	252.46	1.25	63.3	94	48.67	19.713	7.86	-80.1	0.9	257.6
10/26/04	12:30:52	24.29	259.169	255.66	253.55	1.25	63.3	94	48.67	19.699	7.86	-80.1	2.5	285.6
10/26/04	13:00:52	24.4	258.633	255.66	252.77	1.23	62.3	94	48.67	19.712	7.86	-80.3	16	268
10/26/04	13:30:52	26.55	248.314	255.664	237.99	1.23	58.3	95	48.69	19.962	7.86	-80.4	31	314.5
10/26/04	14:00:52	24.39	258.688	255.66	252.85	1.13	57.5	95	48.72	19.737	7.87	-80.4	48.3	305.2
10/26/04	14:30:52	25.31	254.168	255.66	246.33	1.16	57.3	95	48.71	19.837	7.86	-80.4	64.3	317.6
10/26/04	15:00:52	24.24	259.454	255.664	253.96	1.12	57.2	95	48.76	19.745	7.87	-80.5	85.8	304.6
10/26/04	15:30:52	26.25	249.68	255.664	239.92	1.14	54.4	96	48.8	19.993	7.86	-80.4	108.1	301.8
10/26/04	16:00:52	24.76	256.856	255.664	250.2	1.1	55	96	48.83	19.849	7.87	-80.7	128.6	284.4
10/26/04	16:30:52	24.43	258.468	255.664	252.53	1.1	55.8	96	48.86	19.828	7.86	-80.3	146.9	298.9
10/26/04	17:00:52	24.7	257.122	255.668	250.58	1.1	55.1	97	48.92	19.891	7.87	-80.7	156.3	275.3
10/26/04	17:30:52	25.12	255.072	255.664	247.63	1.12	55.3	97	48.94	19.953	7.86	-80.3	167.8	300.7
10/26/04	18:00:52	24.78	256.76	255.668	250.06	1.05	52.7	97	48.95	19.917	7.86	-80.4	173.9	299.3
10/26/04	18:30:52	24.58	257.734	255.664	251.47	1.02	51.6	97	48.98	19.916	7.87	-80.5	174.4	302.3
10/26/04	19:00:52	24.28	259.247	255.664	253.66	1.01	51.3	98	49	19.886	7.86	-80.4	167.7	279.9
10/26/04	19:30:52	26.49	248.589	255.664	238.38	1.09	52	97	49.02	20.153	7.86	-80.2	152.9	321.6
10/26/04	20:00:52	24.46	258.327	255.66	252.33	1.02	51.5	97	49.01	19.918	7.86	-80.3	133.3	289.4
10/26/04	20:30:52	25.75	252.043	255.66	243.29	1.05	51	97	49.02	20.07	7.86	-80.5	123.6	308.7
10/26/04	21:00:52	26.59	248.116	255.664	237.71	1.09	51.8	98	49	20.151	7.86	-80.2	98.6	279.7
10/26/04	21:30:52	24.3	259.109	255.664	253.46	1.03	52.6	97	49.01	19.896	7.86	-80.1	78.3	314.6
10/26/04	22:00:52	24.27	259.302	255.664	253.74	1.05	53.3	97	48.98	19.874	7.86	-80.2	63.2	291
10/26/04	22:30:52	25.17	254.841	255.664	247.3	1.05	52	97	48.95	19.964	7.86	-80	29.8	242.4
10/26/04	23:00:52	26.18	250.017	255.664	240.4	1.1	52.8	97	48.95	20.075	7.85	-79.9	15.3	273.1
10/26/04	23:30:52	24.8	256.635	255.664	249.88	1.11	55.6	96	48.92	19.904	7.85	-79.9	2.9	257.5
10/27/04	00:00:52	24.85	256.406	255.66	249.55	1.13	56.3	96	48.89	19.893	7.85	-80	0.1	266.2
10/27/04	00:30:52	25.71	252.226	255.66	243.55	1.12	54.7	96	48.87	19.979	7.85	-79.9	1.9	262.8
10/27/04	01:00:52	24.93	255.984	255.66	248.94	1.12	55.7	96	48.87	19.889	7.85	-79.9	1.6	259.8
10/27/04	01:30:52	25.56	252.972	255.664	244.62	1.16	56.6	96	48.84	19.94	7.85	-79.8	-0.4	265.2
10/27/04	02:00:52	24.3	259.104	255.664	253.45	1.12	56.9	96	48.84	19.799	7.86	-80	1.9	261.2
10/27/04	02:30:52	25.32	254.102	255.66	246.24	1.09	53.5	96	48.83	19.908	7.85	-79.9	0	265.1
10/27/04	03:00:52	24.66	257.344	255.664	250.9	1.18	59.1	97	48.83	19.835	7.85	-79.9	0.6	263
10/27/04	03:30:52	25.26	254.42	255.664	246.69	1.12	55.4	96	48.82	19.897	7.85	-79.7	-0.1	263.8
10/27/04	04:00:52	24.31	259.064	255.66	253.39	1.11	56.6	95	48.84	19.798	7.85	-79.5	0.9	260.1
10/27/04	04:30:52	24.32	259	255.66	253.3	1.15	58.3	96	48.83	19.797	7.85	-79.5	1.4	264.1
10/27/04	05:00:52	25.03	255.51	255.66	248.26	1.16	57.8	96	48.84	19.881	7.84	-79.4	0.6	265.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/27/04	05:30:52	24.75	256.901	255.664	250.26	1.16	57.9	96	48.83	19.845	7.85	-79.5	0.6	266.9
10/27/04	06:00:52	25.9	251.32	255.66	242.26	1.18	57	95	48.85	19.987	7.84	-79.4	0.8	264.3
10/27/04	06:30:52	24.36	258.816	255.664	253.03	1.16	59.1	95	48.81	19.791	7.85	-79.5	0.6	35
10/27/04	07:00:52	26.24	249.744	255.66	240.01	1.22	58.3	95	48.79	19.989	7.84	-79.5	0.1	32.5
10/27/04	07:30:52	24.42	258.513	255.664	252.6	1.12	56.8	95	48.79	19.786	7.85	-79.7	1.2	200.9
10/27/04	08:00:52	25.16	254.868	255.664	247.34	1.18	58.5	96	48.75	19.842	7.85	-79.5	0.6	202.8
10/27/04	08:30:52	25.45	253.472	255.66	245.33	1.14	56.1	95	48.74	19.873	7.85	-79.6	0.4	205.5
10/27/04	09:00:52	25.4	253.727	255.664	245.7	1.17	57.6	96	48.71	19.847	7.85	-79.7	0.5	203
10/27/04	09:30:52	24.67	257.263	255.66	250.79	1.16	58.4	95	48.68	19.75	7.85	-79.8	0	208.6
10/27/04	10:00:52	25.37	253.881	255.664	245.92	1.15	56.6	95	48.64	19.806	7.85	-80	2	206
10/27/04	10:30:52	25.93	251.194	255.664	242.08	1.14	54.9	95	48.6	19.843	7.85	-79.8	0.5	198.7
10/27/04	11:00:52	25.45	253.472	255.66	245.33	1.1	53.8	96	48.59	19.781	7.85	-79.5	-2.1	4
10/27/04	11:30:52	25.27	254.376	255.664	246.63	1.1	54.3	95	48.56	19.746	7.85	-79.8	0.5	150.5
10/27/04	12:00:52	24.66	257.34	255.66	250.9	1.08	54.2	96	48.54	19.662	7.85	-79.7	-1	187.1
10/27/04	12:30:52	26.59	248.138	255.66	237.74	1.1	52.4	95	48.52	19.867	7.84	-79.7	2.3	180.3
10/27/04	13:00:52	26.36	249.199	255.66	239.24	1.1	52.6	96	48.54	19.854	7.85	-79.8	12.1	179.5
10/27/04	13:30:52	25.69	252.335	255.66	243.71	1.05	51.3	96	48.53	19.775	7.85	-79.8	29.1	175.7
10/27/04	14:00:52	26.42	248.911	255.66	238.83	1.03	48.9	96	48.55	19.867	7.85	-80.1	62.9	185.6
10/27/04	14:30:52	24.31	259.072	255.664	253.41	0.96	48.7	96	48.58	19.646	7.86	-80.2	99.4	181.7
10/27/04	15:00:52	24.34	258.931	255.66	253.2	0.92	46.7	96	48.62	19.673	7.85	-79.8	60.1	182.2
10/27/04	15:30:52	24.36	258.839	255.66	253.07	0.93	47.1	97	48.64	19.691	7.86	-80.3	146.1	181.7
10/27/04	16:00:52	24.65	257.367	255.664	250.94	0.92	46.1	97	48.7	19.759	7.86	-80.3	174.9	177.7
10/27/04	16:30:52	24.52	258.048	255.664	251.92	0.87	43.8	97	48.74	19.763	7.86	-80	202.7	182.6
10/27/04	17:00:52	24.38	258.743	255.66	252.93	0.85	43	98	48.78	19.773	7.86	-79.9	221.3	174.8
10/27/04	17:30:52	24.39	258.66	255.664	252.81	0.84	42.5	98	48.84	19.812	7.86	-79.9	233.6	178.8
10/27/04	18:00:52	26.01	250.819	255.664	241.54	0.86	41.3	98	48.9	20.029	7.85	-79.8	182.4	196.5
10/27/04	18:30:52	26.09	250.437	255.664	241	0.83	39.8	98	48.94	20.06	7.85	-79.7	216.8	187.4
10/27/04	19:00:52	25.86	251.54	255.66	242.57	0.84	40.8	98	48.98	20.06	7.85	-79.9	212.4	177.6
10/27/04	19:30:52	26.2	249.923	255.66	240.27	0.9	43.3	99	49.01	20.114	7.85	-79.7	189.7	189.3
10/27/04	20:00:52	26.51	248.488	255.66	238.23	0.85	40.3	98	49.05	20.17	7.85	-79.7	171.9	184.4
10/27/04	20:30:52	26.58	248.192	255.66	237.81	0.84	39.8	98	49.06	20.185	7.85	-79.9	145.8	178.7
10/27/04	21:00:52	26.48	248.64	255.66	238.45	0.86	40.8	98	49.05	20.166	7.85	-79.7	60.8	181.7
10/27/04	21:30:52	24.36	258.848	255.66	253.08	0.83	41.9	98	49.09	19.953	7.85	-79.7	92.2	177.7
10/27/04	22:00:52	25.28	254.292	255.66	246.51	0.86	42.2	98	49.06	20.041	7.85	-79.6	67	180.2
10/27/04	22:30:52	24.39	258.693	255.66	252.86	0.81	40.9	98	49.08	19.949	7.85	-79.5	47.4	186.5
10/27/04	23:00:52	24.28	259.224	255.664	253.63	0.84	43	98	49.08	19.935	7.85	-79.3	14.1	187.9
10/27/04	23:30:52	25.08	255.283	255.656	247.93	0.87	42.9	97	49.05	20.01	7.85	-79.5	4	179.8
10/28/04	00:00:52	24.32	259.045	255.66	253.37	0.88	44.9	97	49.05	19.921	7.85	-79.3	2.6	196.5
10/28/04	00:30:52	24.23	259.459	255.664	253.97	0.89	45.5	97	49.01	19.893	7.84	-79.1	1.1	189.8
10/28/04	01:00:52	24.52	258.04	255.66	251.91	0.91	46	97	48.99	19.913	7.84	-79	-0.2	213
10/28/04	01:30:52	24.1	260.152	255.66	254.97	0.88	45.2	97	48.97	19.85	7.83	-78.6	0.3	183.2
10/28/04	02:00:52	25.21	254.647	255.656	247.02	0.94	46.3	96	48.97	19.982	7.82	-78.3	-0.3	188.1
10/28/04	02:30:52	24.05	260.366	255.652	255.29	0.92	47.2	97	48.96	19.84	7.83	-78.1	0.4	189.4
10/28/04	03:00:52	24.26	259.327	255.652	253.78	0.91	46.3	96	48.92	19.843	7.82	-77.9	-0.6	190.6
10/28/04	03:30:52	24.06	260.301	255.652	255.19	0.97	49.8	96	48.93	19.822	7.82	-77.8	2	189.5
10/28/04	04:00:52	25.46	253.442	255.652	245.29	0.97	47.7	97	48.91	19.973	7.82	-77.9	0.1	191.8
10/28/04	04:30:52	25.18	254.754	255.652	247.17	0.96	47.6	97	48.9	19.934	7.82	-77.8	-0.5	188.9
10/28/04	05:00:52	25.18	254.781	255.648	247.21	1	49.4	96	48.91	19.942	7.81	-77.2	-1.6	189.3
10/28/04	05:30:52	25.4	253.715	255.652	245.68	1.07	52.5	97	48.87	19.944	7.81	-77.3	-0.7	189.6
10/28/04	06:00:52	25.86	251.537	255.652	242.57	1.05	50.7	96	48.86	19.986	7.81	-77.5	0	4.7
10/28/04	06:30:52	25.42	253.604	255.656	245.52	1.29	63.4	98	48.88	19.953	7.82	-78.1	1.3	199.4
10/28/04	07:00:52	25.21	254.625	255.652	246.99	1.02	50.2	96	48.83	19.899	7.8	-76.7	-2.2	189.5
10/28/04	07:30:52	25.48	253.332	255.656	245.13	1	49.2	96	48.81	19.919	7.81	-77.5	1.9	189.2
10/28/04	08:00:52	25.57	252.894	255.652	244.51	0.92	45	96	48.77	19.901	7.83	-78.4	2.1	200.1
10/28/04	08:30:52	24.19	259.658	255.656	254.26	0.88	45	96	48.74	19.727	7.83	-78.3	-0.4	137.1
10/28/04	09:00:52	25.26	254.399	255.656	246.66	0.9	44.3	96	48.67	19.812	7.82	-78.2	0.3	36.3
10/28/04	09:30:52	25.14	254.98	255.656	247.5	0.91	44.9	96	48.63	19.772	7.82	-78.2	0.2	191.7
10/28/04	10:00:52	25.28	254.284	255.656	246.5	0.9	44.2	96	48.59	19.768	7.82	-78.2	0.2	185.3
10/28/04	10:30:52	25.33	254.054	255.656	246.17	0.89	44	96	48.55	19.747	7.83	-78.3	-0.7	186.8
10/28/04	11:00:52	25.15	254.936	255.656	247.43	0.9	44.7	96	48.52	19.708	7.82	-78.1	-0.6	176.6
10/28/04	11:30:52	25.34	254.024	255.652	246.12	0.89	43.9	96	48.45	19.688	7.82	-77.9	-1.1	175.2
10/28/04	12:00:52	25.24	254.47	255.656	246.76	0.9	44.4	96	48.45	19.678	7.82	-77.8	1	178.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/28/04	12:30:52	24.44	258.401	255.652	252.43	0.89	45.2	96	48.41	19.564	7.82	-77.9	3.6	172.8
10/28/04	13:00:52	24.03	260.491	255.652	255.47	0.85	43.7	96	48.39	19.501	7.83	-78.4	16.6	181.3
10/28/04	13:30:52	24.82	256.534	255.648	249.73	0.87	43.3	96	48.4	19.6	7.83	-78.3	26.1	182.9
10/28/04	14:00:52	25.93	251.204	255.652	242.09	0.85	41.2	96	48.42	19.735	7.83	-78.5	51.5	175.4
10/28/04	14:30:52	23.96	260.817	255.652	255.94	0.82	42.3	96	48.41	19.507	7.83	-78.6	64.8	176.7
10/28/04	15:00:52	26.24	249.757	255.656	240.03	0.82	39.3	97	48.44	19.78	7.83	-78.7	85.2	178.2
10/28/04	15:30:52	25.78	251.914	255.652	243.1	0.81	39.1	97	48.5	19.764	7.84	-79	106.3	167.1
10/28/04	16:00:52	24.41	258.561	255.652	252.67	0.76	38.3	97	48.5	19.613	7.84	-79.1	133.6	166.2
10/28/04	16:30:52	24.67	257.296	255.652	250.84	0.73	36.8	98	48.55	19.67	7.83	-78.8	146.9	154.8
10/28/04	17:00:52	25.07	255.323	255.652	247.99	0.73	36.2	98	48.62	19.756	7.83	-78.8	157.8	153.8
10/28/04	17:30:52	24.03	260.481	255.656	255.45	0.68	34.9	98	48.67	19.669	7.84	-78.8	168.5	162.9
10/28/04	18:00:52	24.84	256.439	255.652	249.6	0.67	33.4	98	48.73	19.795	7.83	-78.7	180	44.1
10/28/04	18:30:52	24.01	260.565	255.656	255.58	0.66	34	98	48.79	19.738	7.83	-78.6	160.1	163.7
10/28/04	19:00:52	24.35	258.859	255.652	253.1	0.66	33.5	98	48.83	19.799	7.84	-78.9	113.5	173.5
10/28/04	19:30:52	23.98	260.747	255.652	255.84	0.64	32.7	99	48.9	19.798	7.84	-78.8	148.5	168
10/28/04	20:00:52	24.36	258.798	255.656	253.01	0.63	32.2	98	48.95	19.871	7.83	-78.5	134.4	169.2
10/28/04	20:30:52	24.25	259.386	255.656	253.86	0.65	33.1	98	48.98	19.876	7.83	-78.4	112	173.3
10/28/04	21:00:52	25.34	254.002	255.652	246.09	0.66	32.3	99	49.02	20.025	7.82	-78.2	86.3	152.2
10/28/04	21:30:52	24.54	257.931	255.656	251.75	0.64	32.3	98	49.08	19.966	7.83	-78.3	63.4	144.4
10/28/04	22:00:52	23.99	260.686	255.652	255.75	0.66	33.8	98	49.07	19.899	7.83	-78.2	43.2	147
10/28/04	22:30:52	26.34	249.281	255.652	239.36	0.71	33.7	98	49.08	20.17	7.82	-78	24.4	144.2
10/28/04	23:00:52	26.22	249.834	255.656	240.14	0.71	34.1	98	49.09	20.163	7.82	-78.1	9.7	129.4
10/28/04	23:30:52	25.23	254.519	255.652	246.83	0.71	35.1	98	49.12	20.073	7.82	-78.1	1.9	36.1
10/29/04	00:00:52	25.51	253.17	255.652	244.9	0.71	34.8	97	49.1	20.091	7.82	-78.1	0.9	141
10/29/04	00:30:52	25.32	254.099	255.652	246.23	0.7	34.6	98	49.09	20.065	7.82	-78.1	1	141.6
10/29/04	01:00:52	24.21	259.571	255.652	254.13	0.69	35.2	98	49.09	19.937	7.83	-78.1	0.3	142.3
10/29/04	01:30:52	24.95	255.913	255.652	248.84	0.71	35.5	98	49.08	20.012	7.82	-78.2	-0.1	156.4
10/29/04	02:00:52	24.56	257.818	255.652	251.59	0.7	35.2	98	49.08	19.968	7.82	-78	0.6	130.9
10/29/04	02:30:52	24.94	255.94	255.652	248.88	0.74	36.7	97	49.07	20.008	7.82	-77.7	-1.2	111.3
10/29/04	03:00:52	25.42	253.618	255.652	245.54	0.74	36.3	97	49.07	20.062	7.81	-77.5	0.3	124.8
10/29/04	03:30:52	24.09	260.195	255.652	255.04	0.72	36.6	97	49.04	19.89	7.82	-77.8	1.4	126.9
10/29/04	04:00:52	25.91	251.308	255.652	242.24	0.76	36.6	97	49.03	20.095	7.81	-77.6	-0.1	140.6
10/29/04	04:30:52	26.19	249.976	255.648	240.34	0.76	36.5	97	49	20.107	7.81	-77.5	1	137.5
10/29/04	05:00:52	25.35	253.961	255.656	246.03	0.81	39.7	97	48.96	19.991	7.8	-77.1	-0.3	136
10/29/04	05:30:52	26.2	249.946	255.652	240.3	0.82	39.5	97	48.93	20.064	7.8	-77.3	0.2	141.9
10/29/04	06:00:52	26.2	249.949	255.656	240.31	0.77	37.2	97	48.92	20.061	7.81	-77.5	-0.2	124.5
10/29/04	06:30:52	24.15	259.884	255.656	254.59	0.77	39.6	97	48.88	19.802	7.81	-77.1	0.9	125.5
10/29/04	07:00:52	25.72	252.205	255.652	243.52	0.75	36.7	97	48.9	19.995	7.8	-77.1	-0.5	130.3
10/29/04	07:30:52	24.26	259.299	255.652	253.74	0.72	36.5	97	48.85	19.8	7.81	-77.5	0	132.2
10/29/04	08:00:52	26.29	249.514	255.656	239.69	0.74	35.4	98	48.84	20.021	7.8	-77.3	0.5	129
10/29/04	08:30:52	25.91	251.29	255.652	242.22	0.74	35.6	97	48.78	19.948	7.81	-77.5	0.5	128.6
10/29/04	09:00:52	25.04	255.457	255.656	248.18	0.7	34.7	97	48.73	19.821	7.81	-77.4	1	132.2
10/29/04	09:30:52	24.25	259.345	255.652	253.8	0.68	34.8	97	48.7	19.709	7.81	-77.4	-1.3	87.9
10/29/04	10:00:52	24.32	259.014	255.656	253.32	0.7	35.3	97	48.64	19.683	7.81	-77.4	0.7	132.2
10/29/04	10:30:52	24.11	260.064	255.656	254.85	0.67	34.5	97	48.59	19.631	7.81	-77.3	1.1	304.8
10/29/04	11:00:52	25.56	252.938	255.656	244.57	0.68	33.1	98	48.55	19.771	7.81	-77.5	-0.6	983.2
10/29/04	11:30:52	24.75	256.875	255.656	250.23	0.63	31.7	98	48.49	19.646	7.82	-77.7	0.5	216.7
10/29/04	12:00:52	24.58	257.718	255.652	251.44	0.67	33.6	97	48.42	19.585	7.81	-77.6	0.4	128.3
10/29/04	12:30:52	25.25	254.465	255.656	246.76	0.65	31.8	97	48.46	19.685	7.81	-77.6	3.7	134.5
10/29/04	13:00:52	26.3	249.451	255.652	239.6	0.75	36	98	48.34	19.731	7.79	-76.6	9.7	128.7
10/29/04	13:30:52	23.97	260.774	255.656	255.88	0.76	39	97	48.36	19.478	7.79	-76.1	16.4	142.5
10/29/04	14:00:52	24.94	255.949	255.656	248.89	0.75	37.5	98	48.31	19.563	7.78	-75.9	37.6	158
10/29/04	14:30:52	24.07	260.259	255.656	255.13	0.74	37.7	98	48.33	19.474	7.78	-75.7	48.7	134.5
10/29/04	15:00:52	23.95	260.863	255.652	256.01	0.73	37.5	97	48.37	19.482	7.78	-75.3	29	691.1
10/29/04	15:30:52	24.77	256.78	255.66	250.09	0.7	35.2	98	48.4	19.596	7.79	-76	87.7	145.9
10/29/04	16:00:52	25.38	253.794	255.656	245.79	0.73	35.7	98	48.42	19.677	7.78	-76	108.6	152.7
10/29/04	16:30:52	24.86	256.366	255.656	249.49	0.65	32.3	98	48.47	19.644	7.79	-76.3	123	153
10/29/04	17:00:52	24.24	259.428	255.656	253.92	0.49	25	98	48.49	19.586	7.82	-77.8	139.8	148
10/29/04	17:30:52	25.47	253.37	255.664	245.19	0.42	20.4	99	48.56	19.768	7.83	-78.6	137.4	611.8
10/29/04	18:00:52	26.09	250.458	255.664	241.03	0.4	19.1	99	48.62	19.869	7.83	-78.4	144.4	129.2
10/29/04	18:30:52	26.58	248.188	255.66	237.81	0.37	17.8	99	48.64	19.934	7.82	-78.5	124.5	38.1
10/29/04	19:00:52	25.93	251.216	255.66	242.11	0.35	16.7	99	48.76	19.933	7.83	-78.6	139.7	132.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/29/04	19:30:52	24.82	256.518	255.66	249.71	0.35	17.4	99	48.79	19.828	7.83	-78.4	127.3	131.4
10/29/04	20:00:52	26.26	249.633	255.664	239.86	0.34	16.4	98	48.85	20.026	7.83	-78.7	113.4	120.9
10/29/04	20:30:52	24.93	256.015	255.664	248.99	0.31	15.5	99	48.91	19.91	7.83	-78.7	97.8	137.8
10/29/04	21:00:52	24.7	257.159	255.664	250.64	0.32	16.2	99	48.96	19.915	7.83	-78.8	76.4	132.2
10/29/04	21:30:52	26.64	247.918	255.664	237.43	0.32	15.3	99	48.96	20.13	7.83	-78.6	55.1	140.8
10/29/04	22:00:52	24.35	258.857	255.664	253.09	0.32	16.3	98	49.04	19.921	7.84	-78.9	39.9	72.6
10/29/04	22:30:52	24.34	258.948	255.664	253.23	0.32	16.3	99	49.06	19.93	7.83	-78.7	22.8	171.2
10/29/04	23:00:52	26.42	248.915	255.664	238.84	0.36	17	99	49.11	20.194	7.83	-78.7	8.8	159.3
10/29/04	23:30:52	25.46	253.441	255.664	245.29	0.37	18.1	98	49.08	20.072	7.84	-78.9	2.2	157.1
10/30/04	00:00:52	25.42	253.643	255.668	245.58	0.4	19.8	98	49.11	20.087	7.83	-78.4	0	170.1
10/30/04	00:30:52	25.45	253.511	255.668	245.39	0.42	20.4	98	49.11	20.086	7.82	-78.3	1.2	178.5
10/30/04	01:00:52	24.81	256.576	255.664	249.8	0.43	21.3	99	49.13	20.029	7.82	-77.9	1.5	154.4
10/30/04	01:30:52	25.31	254.159	255.664	246.32	0.47	23.1	98	49.14	20.09	7.81	-77.5	0.1	152.1
10/30/04	02:00:52	25.45	253.472	255.664	245.33	0.54	26.4	98	49.12	20.096	7.8	-77.1	0.1	159.9
10/30/04	02:30:52	25.42	253.63	255.664	245.56	0.51	25.2	98	49.09	20.075	7.8	-77.1	0.4	155
10/30/04	03:00:52	25.39	253.792	255.668	245.79	0.56	27.7	99	49.09	20.069	7.8	-76.8	0.4	74.4
10/30/04	03:30:52	25.48	253.331	255.664	245.13	0.53	26	99	49.05	20.06	7.8	-77	0.5	170.1
10/30/04	04:00:52	25.34	254.031	255.664	246.13	0.56	27.6	99	49.05	20.042	7.79	-76.5	-0.8	80.3
10/30/04	04:30:52	25.47	253.414	255.668	245.25	0.56	27.6	98	49.05	20.058	7.79	-76.2	0.6	89.1
10/30/04	05:00:52	25.49	253.295	255.668	245.08	0.57	28.1	99	49.02	20.042	7.79	-76.2	0.6	175.1
10/30/04	05:30:52	25.46	253.427	255.668	245.27	0.54	26.6	98	48.99	20.018	7.79	-76.4	0.5	165.4
10/30/04	06:00:52	25.53	253.116	255.668	244.82	0.56	27.3	98	48.97	20.019	7.79	-76.2	0.2	158.7
10/30/04	06:30:52	25.52	253.137	255.668	244.85	0.57	27.7	98	48.96	20.01	7.79	-76.5	-0.2	91.4
10/30/04	07:00:52	25.56	252.967	255.668	244.61	0.6	29.2	99	48.98	20.026	7.78	-76.1	1	177.4
10/30/04	07:30:52	25.61	252.726	255.672	244.26	0.6	29.4	98	48.93	19.999	7.79	-76.3	-0.2	177.8
10/30/04	08:00:52	25.6	252.791	255.672	244.36	0.6	29.4	99	48.9	19.981	7.79	-76.1	0.6	169.1
10/30/04	08:30:52	25.57	252.94	255.672	244.57	0.61	30	99	48.84	19.945	7.79	-76.2	0.9	162.9
10/30/04	09:00:52	25.55	253.001	255.672	244.66	0.66	32.3	98	48.8	19.919	7.77	-75.3	0.7	166.8
10/30/04	09:30:52	25.62	252.661	255.668	244.17	0.68	33.1	98	48.78	19.916	7.77	-75.2	0.1	161.8
10/30/04	10:00:52	25.5	253.273	255.672	245.05	0.73	35.5	98	48.73	19.869	7.76	-74.8	0.1	158.8
10/30/04	10:30:52	24.99	255.727	255.672	248.57	0.79	39.3	98	48.66	19.771	7.75	-74.1	0.1	168.3
10/30/04	11:00:52	25.57	252.94	255.672	244.57	0.81	39.5	98	48.63	19.817	7.75	-74.1	0.1	85.6
10/30/04	11:30:52	25.65	252.534	255.672	243.99	0.7	34	98	48.52	19.762	7.77	-75.5	0.5	177.5
10/30/04	12:00:52	25.61	252.721	255.672	244.26	0.8	38.9	98	48.54	19.774	7.75	-74.2	-0.5	189.1
10/30/04	12:30:52	24.72	257.063	255.668	250.5	0.79	39.7	98	48.47	19.627	7.75	-74.1	-0.8	172.1
10/30/04	13:00:52	26.61	248.052	255.672	237.62	0.78	37.2	98	48.44	19.82	7.75	-74.5	10.6	104.3
10/30/04	13:30:52	26.04	250.668	255.668	241.33	0.77	37	98	48.39	19.728	7.75	-74.3	23.7	171.6
10/30/04	14:00:52	26.27	249.619	255.672	239.84	0.58	27.8	98	48.4	19.759	7.79	-76.7	28.5	89.2
10/30/04	14:30:52	26.54	248.36	255.672	238.05	0.47	22.4	99	48.37	19.771	7.8	-77.2	43.4	230.6
10/30/04	15:00:52	25.77	251.977	255.672	243.19	0.47	22.8	99	48.38	19.695	7.8	-77.1	55.3	225
10/30/04	15:30:52	25.73	252.176	255.672	243.48	0.39	19	99	48.4	19.699	7.81	-77.7	73.5	82.8
10/30/04	16:00:52	24.66	257.352	255.672	250.92	0.34	17	99	48.4	19.583	7.81	-77.6	87.9	258.6
10/30/04	16:30:52	24.66	257.351	255.676	250.92	0.28	14	99	48.4	19.583	7.82	-77.9	101.5	77.3
10/30/04	17:00:52	24.79	256.697	255.672	249.97	0.24	12	99	48.46	19.63	7.82	-77.9	112.6	70.1
10/30/04	17:30:52	25.04	255.472	255.676	248.2	0.23	11.2	98	48.52	19.698	7.82	-77.9	124.7	73.2
10/30/04	18:00:52	26.33	249.329	255.676	239.43	0.22	10.7	98	48.58	19.873	7.82	-78.1	124	342.3
10/30/04	18:30:52	25.77	251.99	255.672	243.21	0.22	10.6	99	48.6	19.823	7.82	-77.9	106.2	263.1
10/30/04	19:00:52	25.99	250.929	255.68	241.7	0.17	8.2	99	48.67	19.887	7.82	-78	116.7	252.5
10/30/04	19:30:52	25.97	251.042	255.676	241.86	0.16	7.8	99	48.74	19.928	7.82	-77.9	107.5	180.3
10/30/04	20:00:52	25.02	255.574	255.676	248.35	0.17	8.2	99	48.81	19.864	7.82	-78.1	99.2	249.9
10/30/04	20:30:52	25.36	253.937	255.676	246	0.17	8.2	99	48.87	19.936	7.82	-78.2	80.7	301.6
10/30/04	21:00:52	25.28	254.312	255.676	246.54	0.17	8.2	99	48.95	19.974	7.82	-78.2	65.5	243
10/30/04	21:30:52	25.28	254.329	255.68	246.56	0.19	9.6	99	49	20.003	7.82	-78	48.1	274.6
10/30/04	22:00:52	25.79	251.894	255.676	243.08	0.19	9.3	99	49.02	20.076	7.82	-77.9	31.9	74.4
10/30/04	22:30:52	25.79	251.889	255.68	243.07	0.23	11	98	49.08	20.106	7.81	-77.8	18.9	267.4
10/30/04	23:00:52	25.81	251.785	255.676	242.92	0.24	11.7	98	49.13	20.142	7.81	-77.4	8.5	232.3
10/30/04	23:30:52	25.79	251.872	255.676	243.04	0.24	11.6	99	49.15	20.153	7.81	-77.6	1.4	239.5
10/31/04	00:00:52	25.08	255.271	255.68	247.91	0.23	11.6	99	49.16	20.079	7.82	-77.8	0.6	84.8
10/31/04	00:30:52	25.74	252.11	255.68	243.39	0.25	12	99	49.19	20.168	7.81	-77.7	0.1	246.3
10/31/04	01:00:52	25.73	252.171	255.68	243.47	0.24	11.7	99	49.22	20.188	7.81	-77.5	0.6	253.3
10/31/04	01:30:52	26.37	249.159	255.676	239.18	0.26	12.3	99	49.23	20.262	7.81	-77.8	0.2	234.1
10/31/04	02:00:52	25.54	253.044	255.676	244.72	0.26	12.6	98	49.21	20.156	7.81	-77.7	0.1	201.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
10/31/04	02:30:52	25.69	252.332	255.68	243.7	0.25	12.4	99	49.22	20.183	7.81	-77.7	0.3	191.7
10/31/04	03:00:52	25.59	252.813	255.676	244.39	0.26	12.8	99	49.23	20.174	7.81	-77.5	0.2	93.7
10/31/04	03:30:52	25.53	253.118	255.68	244.83	0.29	14.1	99	49.19	20.144	7.8	-77.1	-0.1	275.2
10/31/04	04:00:52	25.91	251.292	255.672	242.22	0.3	14.5	98	49.18	20.18	7.8	-77.1	-0.1	75.8
10/31/04	04:30:52	25.59	252.808	255.676	244.38	0.26	12.5	99	49.15	20.13	7.81	-77.3	0.1	228.3
10/31/04	05:00:52	25.67	252.428	255.676	243.84	0.25	12.3	99	49.15	20.135	7.81	-77.3	0.3	49
10/31/04	05:30:52	25.43	253.602	255.676	245.52	0.28	13.7	99	49.15	20.109	7.8	-76.8	0.8	230.1
10/31/04	06:00:52	25.59	252.843	255.676	244.43	0.3	14.6	99	49.09	20.094	7.8	-76.9	0.7	72
10/31/04	06:30:52	25.9	251.37	255.676	242.33	0.34	16.6	99	49.06	20.109	7.79	-76.5	0.7	289.7
10/31/04	07:00:52	25.77	251.963	255.676	243.17	0.4	19.2	98	49.03	20.08	7.79	-76.2	0.5	324.2
10/31/04	07:30:52	25.61	252.734	255.676	244.28	0.41	19.9	99	49.01	20.046	7.78	-75.9	0.4	351.6
10/31/04	08:00:52	25.89	251.387	255.676	242.35	0.43	20.6	99	48.96	20.047	7.78	-75.7	0.8	345.8
10/31/04	08:30:52	26.16	250.123	255.676	240.55	0.47	22.4	99	48.95	20.071	7.77	-75.3	0.5	224.8
10/31/04	09:00:52	25.14	254.973	255.676	247.49	0.46	22.6	98	48.88	19.921	7.77	-75.4	0.4	417.4
10/31/04	09:30:52	25.7	252.311	255.676	243.67	0.48	23.5	99	48.85	19.964	7.77	-75.2	0.4	410.4
10/31/04	10:00:52	25.58	252.879	255.672	244.48	0.52	25.3	99	48.82	19.934	7.77	-75.3	0	419.1
10/31/04	10:30:52	26.39	249.079	255.672	239.07	0.54	25.9	99	48.75	19.98	7.76	-74.6	0.3	422.6
10/31/04	11:00:52	24.58	257.742	255.672	251.48	0.51	25.6	99	48.7	19.748	7.76	-74.8	0.1	418.6
10/31/04	11:30:52	26.07	250.556	255.668	241.17	0.36	17.1	99	48.64	19.881	7.79	-76.4	0.1	431.1
10/31/04	12:00:52	24.99	255.724	255.664	248.57	0.29	14.5	99	48.59	19.729	7.8	-76.6	0.6	378.5
10/31/04	12:30:52	25.37	253.872	255.664	245.91	0.27	13.3	99	48.52	19.731	7.8	-77	1.8	243.3
10/31/04	13:00:52	25.31	254.168	255.664	246.33	0.26	12.6	98	48.51	19.722	7.8	-76.8	10.6	227.7
10/31/04	13:30:52	24.7	257.146	255.66	250.62	0.25	12.3	99	48.45	19.617	7.8	-76.8	11.7	220.1
10/31/04	14:00:52	25	255.643	255.664	248.45	0.23	11.4	99	48.42	19.632	7.81	-77.2	30.6	238
10/31/04	14:30:52	24.99	255.733	255.664	248.58	0.22	11	99	48.4	19.617	7.81	-77.1	45.2	226
10/31/04	15:00:52	24.64	257.412	255.664	251	0.22	10.9	99	48.36	19.557	7.81	-77.3	59.6	228.6
10/31/04	15:30:52	25.23	254.553	255.664	246.88	0.21	10.3	99	48.37	19.628	7.8	-76.8	33.8	229
10/31/04	16:00:52	25.35	253.982	255.664	246.06	0.22	11	99	48.34	19.627	7.8	-76.8	37.9	328.6
10/31/04	16:30:52	25.3	254.225	255.664	246.41	0.27	13.3	99	48.38	19.641	7.79	-76.1	11.1	402.2
10/31/04	17:00:52	25.4	253.722	255.664	245.69	0.22	10.8	98	48.39	19.661	7.78	-76	53.8	312.9
10/31/04	17:30:52	25.3	254.185	255.664	246.36	0.22	10.6	99	48.44	19.681	7.79	-76.2	115.3	249.6
10/31/04	18:00:52	25.28	254.304	255.668	246.53	0.18	9	98	48.44	19.679	7.79	-76.2	106.5	238.4
10/31/04	18:30:52	25.28	254.3	255.668	246.52	0.17	8.3	99	48.49	19.708	7.79	-76.2	123.6	266.3
10/31/04	19:00:52	25.4	253.731	255.668	245.7	0.15	7.4	99	48.56	19.763	7.8	-76.8	110	352.6
10/31/04	19:30:52	25.41	253.695	255.668	245.65	0.14	7	99	48.66	19.816	7.79	-76.6	54.2	239.7
10/31/04	20:00:52	25.32	254.092	255.668	246.22	0.13	6.3	99	48.67	19.816	7.79	-76.4	94.5	379.8
10/31/04	20:30:52	25.2	254.716	255.668	247.12	0.12	5.7	99	48.8	19.877	7.8	-76.7	81.3	425.6
10/31/04	21:00:52	25.37	253.876	255.664	245.91	0.12	6.1	99	48.82	19.911	7.79	-76.4	53.5	417.4
10/31/04	21:30:52	25.35	253.951	255.668	246.02	0.12	6.1	99	48.9	19.956	7.79	-76.3	41.7	274.2
10/31/04	22:00:52	25.26	254.38	255.664	246.64	0.13	6.2	99	48.95	19.974	7.79	-76.5	30.7	124
10/31/04	22:30:52	25.99	250.922	255.668	241.69	0.13	6.3	99	49.02	20.096	7.8	-76.7	17.3	370.1
10/31/04	23:00:52	24.49	258.175	255.668	252.11	0.13	6.5	99	49.07	19.954	7.8	-76.7	7.5	378.5
10/31/04	23:30:52	26.43	248.872	255.668	238.78	0.18	8.4	99	49.15	20.219	7.79	-76.6	1.8	360.5
11/01/04	00:00:52	24.83	256.477	255.668	249.65	0.19	9.5	99	49.13	20.032	7.79	-76.3	1.1	196.1
11/01/04	00:30:52	25.18	254.792	255.664	247.23	0.2	10.1	99	49.19	20.106	7.79	-76.2	0.9	200.3
11/01/04	01:00:52	25.72	252.194	255.668	243.51	0.25	12.2	99	49.22	20.182	7.77	-75.4	1.3	184.9
11/01/04	01:30:52	25.74	252.09	255.664	243.36	0.33	16.2	98	49.31	20.24	7.76	-74.5	1.2	212.9
11/01/04	02:00:52	25.92	251.246	255.664	242.15	0.35	16.9	99	49.25	20.226	7.75	-74.3	2.7	221.4
11/01/04	02:30:52	24.98	255.782	255.664	248.65	0.37	18.4	98	49.28	20.134	7.75	-74.1	1.7	210.3
11/01/04	03:00:52	25.14	254.961	255.664	247.47	0.4	19.7	99	49.3	20.166	7.75	-73.9	0.9	308.2
11/01/04	03:30:52	24.56	257.825	255.664	251.6	0.41	20.7	98	49.22	20.053	7.75	-73.9	0.1	238.5
11/01/04	04:00:52	25.2	254.704	255.664	247.1	0.41	20.4	99	49.29	20.168	7.75	-74.1	0	291.3
11/01/04	04:30:52	25.02	255.546	255.656	248.31	0.43	21.3	99	49.22	20.105	7.75	-74.2	0.5	276.7
11/01/04	05:00:52	26.03	250.729	255.66	241.42	0.4	19.3	99	49.22	20.217	7.75	-74.4	-0.2	188.2
11/01/04	05:30:52	26.1	250.411	255.66	240.96	0.36	17.4	99	49.24	20.24	7.77	-75.2	1.4	256.1
11/01/04	06:00:52	24.99	255.693	255.66	248.52	0.3	14.8	98	49.1	20.03	7.77	-75.4	-0.2	357.6
11/01/04	06:30:52	25.46	253.446	255.656	245.3	0.18	9	99	49.13	20.105	7.8	-76.9	-0.3	311.6
11/01/04	07:00:52	24.61	257.558	255.66	251.21	1.31	66.1	98	49.09	19.98	7.83	-78.6	0.8	250.6
11/01/04	07:30:52	25.84	251.627	255.66	242.69	1.24	60	99	49.06	20.104	7.83	-78.5	1.8	236.3
11/01/04	08:00:52	25.57	252.915	255.664	244.54	1.06	51.5	98	49.07	20.082	7.82	-78.1	0.3	361.2
11/01/04	08:30:52	24.85	256.414	255.664	249.56	0.94	47.1	99	49.01	19.963	7.82	-78.2	0.7	289.6
11/01/04	09:00:52	25.68	252.386	255.668	243.78	0.83	40.3	99	48.99	20.043	7.82	-78.1	0.7	277.2

Appendix 5
Water Quality Data

East Flower Garden Bank July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/01/04	09:30:52	25.51	253.212	255.668	244.96	0.65	32	99	49.05	20.059	7.82	-77.8	0.3	317
11/01/04	10:00:52	24.55	257.875	255.664	251.67	0.5	25.3	99	48.9	19.862	7.81	-77.4	0.6	395.8
11/01/04	10:30:52	25.02	255.572	255.664	248.35	0.39	19.1	98	48.9	19.917	7.81	-77.2	0.7	250.5
11/01/04	11:00:52	24.59	257.679	255.668	251.39	0.28	14.2	98	48.81	19.815	7.8	-77	1.2	292.4
11/01/04	11:30:52	24.84	256.464	255.664	249.63	0.26	12.9	99	48.78	19.826	7.8	-77	-0.8	278.1
11/01/04	12:00:52	24.45	258.376	255.664	252.4	0.17	8.7	99	48.59	19.667	7.81	-77.5	0.2	346
11/01/04	12:30:52	25.61	252.731	255.664	244.27	0.12	5.7	99	48.68	19.854	7.81	-77.3	1.7	120.8
11/01/04	13:00:52	25.48	253.33	255.668	245.13	0.09	4.2	98	48.67	19.836	7.8	-77.1	9.9	245.7
11/01/04	13:30:52	25.51	253.204	255.664	244.95	0.06	3.1	99	48.61	19.803	7.8	-76.8	16.3	244.9
11/01/04	14:00:52	25.48	253.344	255.668	245.15	0.07	3.3	98	48.59	19.785	7.8	-76.7	28.3	239.8
11/01/04	14:30:52	25.43	253.568	255.664	245.47	0.03	1.6	98	48.47	19.711	7.8	-76.9	40.4	258.4
11/01/04	15:00:52	25.39	253.757	255.664	245.74	0.04	1.8	98	48.38	19.654	7.8	-77.1	51.4	250
11/01/04	15:30:52	25.27	254.332	255.66	246.57	-0	-0.2	99	48.41	19.656	7.81	-77.6	69.7	337.5
11/01/04	16:00:52	25.16	254.886	255.664	247.36	0	0.1	98	48.44	19.663	7.81	-77.7	66.9	122.2
11/01/04	16:30:52	25.29	254.266	255.66	246.47	-0.01	-0.7	98	48.38	19.643	7.82	-77.8	51.9	336.7
11/01/04	17:00:52	25.23	254.549	255.66	246.88	-0.02	-0.8	98	48.55	19.735	7.82	-77.8	11.8	378.1
11/01/04	17:30:52	25.31	254.137	255.664	246.29	-0.02	-1.1	99	48.55	19.744	7.82	-77.8	110.8	248
11/01/04	18:00:52	25.26	254.398	255.66	246.66	-0.02	-0.8	99	48.41	19.653	7.82	-78.1	111.6	236.9
11/01/04	18:30:52	25.28	254.31	255.66	246.53	-0.02	-0.9	99	48.53	19.731	7.82	-77.9	107.4	289.8
11/01/04	19:00:52	25.26	254.412	255.656	246.68	-0.03	-1.5	99	48.49	19.701	7.82	-77.9	100.7	257
11/01/04	19:30:52	25.26	254.403	255.66	246.67	-0.02	-0.9	98	48.6	19.77	7.82	-78	90.1	170.4
11/01/04	20:00:52	25.17	254.85	255.664	247.31	-0.01	-0.7	99	48.66	19.792	7.82	-78	93.1	234.8
11/01/04	20:30:52	25.03	255.509	255.664	248.26	0.03	1.4	99	47.7	19.214	7.82	-77.9	31.1	273.6
11/01/04	21:00:52	25.32	254.089	255.656	246.22	0	0.2	98	48.64	19.798	7.82	-77.9	54.7	332.3
11/01/04	21:30:52	26.04	250.695	255.66	241.37	-0	-0.1	99	48.66	19.886	7.81	-77.7	12.8	106.2
11/01/04	22:00:52	25.21	254.624	255.66	246.99	0.02	0.9	99	48.8	19.881	7.81	-77.7	14.6	34.1
11/01/04	22:30:52	25.3	254.195	255.66	246.37	0.01	0.3	99	48.84	19.912	7.81	-77.6	9.5	26.6
11/01/04	23:00:52	25.93	251.198	255.664	242.08	0.05	2.3	98	48.99	20.072	7.81	-77.5	5.2	22.7
11/01/04	23:30:52	25.22	254.602	255.66	246.95	0.02	1.2	98	49	19.999	7.82	-77.9	0.4	126.5
11/02/04	00:00:52	24.99	255.72	255.66	248.56	0.03	1.4	99	49.01	19.98	7.82	-77.7	0.7	154.3
11/02/04	00:30:52	24.25	259.381	255.66	253.85	0.02	1	98	49.03	19.905	7.82	-77.8	0.1	231.1
11/02/04	01:00:52	24.3	259.137	255.66	253.5	0.04	1.8	98	49.28	20.053	7.82	-77.8	1.1	213.3
11/02/04	01:30:52	24.75	256.865	255.66	250.21	0.04	1.9	98	49.24	20.085	7.82	-77.9	1.3	60.9
11/02/04	02:00:52	24.45	258.386	255.66	252.41	0.17	8.4	98	49.32	20.095	7.83	-78.4	0.8	60.6
11/02/04	02:30:52	25.11	255.14	255.66	247.73	0.12	6.1	99	49.29	20.158	7.83	-78.3	-0.3	83.6
11/02/04	03:00:52	26.42	248.911	255.66	238.83	0.07	3.3	98	49.21	20.255	7.82	-78.1	-0.2	35.6
11/02/04	03:30:52	26.53	248.412	255.66	238.13	0.04	1.7	98	49.21	20.266	7.81	-77.7	0.5	104.5
11/02/04	04:00:52	24.28	259.229	255.66	253.63	-0	-0.1	99	49.27	20.049	7.81	-77.5	0.5	38.7
11/02/04	04:30:52	26.33	249.331	255.66	239.43	0	0.1	98	49.19	20.233	7.8	-77.1	-0.1	6.2
11/02/04	05:00:52	26.41	248.966	255.66	238.91	0	0.2	98	49.2	20.247	7.8	-77	-0.1	10.7
11/02/04	05:30:52	24.68	257.25	255.66	250.77	0.06	3	98	49.13	20.015	7.8	-76.6	-0.2	11.9
11/02/04	06:00:52	26.48	248.652	255.66	238.47	0.09	4.5	98	49.38	20.36	7.79	-76.4	-0.1	6.4
11/02/04	06:30:52	26.44	248.834	255.66	238.72	0.12	5.6	98	49.22	20.263	7.78	-76.1	-0.7	5.4
11/02/04	07:00:52	25.01	255.635	255.66	248.44	0.98	48.5	99	49.25	20.124	7.8	-77	0.1	7.9
11/02/04	07:30:52	24.43	258.455	255.66	252.51	0.39	19.6	99	49.1	19.965	7.8	-76.5	-0.1	5.7
11/02/04	08:00:52	25.99	250.905	255.664	241.67	0.3	14.3	99	49.02	20.1	7.78	-76	2	5.5
11/02/04	08:30:52	25.48	253.327	255.66	245.13	0.24	11.5	98	49.08	20.073	7.78	-75.9	-1.5	17.6
11/02/04	09:00:52	24.16	259.81	255.656	254.48	0.2	10.3	98	48.99	19.872	7.78	-75.9	0.8	2.3
11/02/04	09:30:52	25.01	255.626	255.66	248.43	0.11	5.5	99	49.11	20.04	7.79	-76.3	-1.1	0.9
11/02/04	10:00:52	25	255.657	255.66	248.47	0.07	3.3	98	48.97	19.959	7.79	-76.5	-0.3	1.6
11/02/04	10:30:52	25.48	253.331	255.664	245.13	0.07	3.6	98	48.97	20.013	7.79	-76.2	0	1.9
11/02/04	11:00:52	26.37	249.157	255.66	239.18	0.08	3.8	98	48.94	20.09	7.78	-75.9	1.3	1.6
11/02/04	11:30:52	26.07	250.553	255.664	241.16	0.1	4.9	97	48.86	20.01	7.78	-75.9	0	3
11/02/04	12:00:52	24.48	258.24	255.664	252.2	0.11	5.7	97	48.79	19.791	7.77	-75.3	-0.6	4
11/02/04	12:30:52	24.36	258.852	255.664	253.09	0.11	5.7	98	48.67	19.708	7.77	-75.1	-0.1	4.3
11/02/04	13:00:52	25.46	253.441	255.66	245.29	0.14	7	97	48.57	19.774	7.77	-75.2	7.5	1.3
11/02/04	13:30:52	24.33	258.994	255.664	253.29	0.13	6.4	98	48.56	19.64	7.77	-75.1	15.6	2
11/02/04	14:00:52	24.91	256.078	255.66	249.08	0.13	6.5	97	48.58	19.719	7.77	-75.2	27.8	8.2
11/02/04	14:30:52	24.58	257.708	255.66	251.43	0.11	5.7	97	48.52	19.642	7.77	-75.3	40.1	11.5
11/02/04	15:00:52	26.57	248.239	255.66	237.88	0.14	6.7	98	48.61	19.916	7.78	-75.8	47.1	1.4
11/02/04	15:30:52	24.47	258.258	255.66	252.23	0.08	4.3	97	48.53	19.635	7.8	-76.5	17.3	1.4
11/02/04	16:00:52	26.11	250.339	255.66	240.86	0.01	0.4	98	48.48	19.792	7.81	-77.3	27.2	5.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/02/04	16:30:52	25.83	251.653	255.66	242.73	0.01	0.3	97	48.37	19.695	7.8	-77.2	38.5	0.3
11/02/04	17:00:52	24.47	258.268	255.66	252.24	0	0.2	98	48.51	19.623	7.81	-77.1	35.7	0.6
11/02/04	17:30:52	24.58	257.708	255.66	251.43	0.02	1.1	98	48.39	19.567	7.8	-76.9	36	0.7
11/02/04	18:00:52	25.77	251.956	255.66	243.17	0.04	1.8	98	48.41	19.713	7.8	-77.2	23.1	3.3
11/02/04	18:30:52	25.11	255.117	255.66	247.69	0.06	3.1	98	48.56	19.726	7.8	-77	5.3	7.6
11/02/04	19:00:52	24.9	256.128	255.656	249.15	0.09	4.3	98	48.46	19.645	7.8	-77.1	3.3	2.5
11/02/04	19:30:52	24.39	258.684	255.656	252.84	0.05	2.6	98	48.48	19.596	7.81	-77.2	3.6	1.8
11/02/04	20:00:52	25.97	251.013	255.664	241.82	0.06	3	98	48.42	19.743	7.81	-77.5	6.8	4.1
11/02/04	20:30:52	25.22	254.57	255.664	246.91	0.06	3.1	97	48.47	19.689	7.81	-77.2	8.9	3.6
11/02/04	21:00:52	24.4	258.619	255.664	252.75	0.04	1.9	97	48.69	19.72	7.81	-77.1	12.4	2.6
11/02/04	21:30:52	24.47	258.29	255.664	252.27	0.02	1.2	98	48.79	19.787	7.81	-77.3	31.4	2.5
11/02/04	22:00:52	24.42	258.513	255.668	252.6	0.05	2.3	98	48.83	19.805	7.81	-77.2	24.1	3.6
11/02/04	22:30:52	26.6	248.069	255.668	237.64	0.06	2.7	98	48.85	20.064	7.8	-77.2	7.3	11.2
11/02/04	23:00:52	26.53	248.402	255.668	238.11	0.12	5.7	97	49.04	20.167	7.8	-77	2.1	1.7
11/02/04	23:30:52	26.09	250.436	255.668	241	0.1	4.7	97	48.93	20.055	7.8	-77	0.5	0.4
11/03/04	00:00:52	24.74	256.944	255.676	250.33	0.06	3.2	97	49	19.945	7.8	-76.9	0.1	0.8
11/03/04	00:30:52	25.21	254.632	255.668	247	0.11	5.7	98	49.12	20.07	7.79	-76.4	1.9	5.6
11/03/04	01:00:52	25.78	251.898	255.672	243.08	0.14	6.7	98	49.12	20.133	7.79	-76.4	1.4	1.1
11/03/04	01:30:52	24.54	257.933	255.672	251.76	0.14	7.3	98	49.13	19.995	7.79	-76.2	0.5	4.5
11/03/04	02:00:52	26.05	250.625	255.668	241.27	0.14	6.8	98	49.14	20.177	7.79	-76.3	0.7	4.7
11/03/04	02:30:52	26.46	248.753	255.672	238.61	0.21	10	98	49.18	20.244	7.78	-75.9	-0.1	2.6
11/03/04	03:00:52	26.31	249.41	255.672	239.54	0.21	10	98	49.24	20.261	7.78	-75.9	0.6	3.6
11/03/04	03:30:52	26.04	250.711	255.672	241.39	0.24	11.5	97	49.18	20.194	7.77	-75.5	-0.3	5.3
11/03/04	04:00:52	24.81	256.593	255.672	249.82	0.25	12.7	98	49.29	20.12	7.77	-75.3	1.4	6.4
11/03/04	04:30:52	25.64	252.573	255.672	244.05	0.3	14.8	98	49.2	20.162	7.77	-75	0.2	3.6
11/03/04	05:00:52	25.73	252.159	255.672	243.45	0.3	14.5	97	49.28	20.222	7.76	-74.8	0.4	2.9
11/03/04	05:30:52	25.7	252.294	255.672	243.65	0.36	17.5	98	49.32	20.242	7.76	-74.5	-0.5	3.1
11/03/04	06:00:52	25.7	252.307	255.668	243.67	0.39	19.1	98	49.21	20.176	7.75	-74.4	-0.8	1.5
11/03/04	06:30:52	25.73	252.164	255.668	243.46	0.37	17.8	98	49.11	20.122	7.75	-74.4	-0.2	6.5
11/03/04	07:00:52	26.56	248.251	255.668	237.9	0.4	19.1	97	49.22	20.275	7.76	-74.6	-0.8	5
11/03/04	07:30:52	25.59	252.81	255.664	244.38	0.32	15.6	98	49.07	20.084	7.77	-75.3	0.3	8.9
11/03/04	08:00:52	24.87	256.306	255.668	249.41	0.25	12.7	98	49.11	20.025	7.79	-76.2	0.3	3.7
11/03/04	08:30:52	26.83	247.029	255.676	236.17	0.24	11.4	98	49.1	20.235	7.78	-76.2	0.9	8.3
11/03/04	09:00:52	24.89	256.237	255.676	249.31	0.18	8.8	98	48.95	19.93	7.8	-76.8	-0.1	21.4
11/03/04	09:30:52	24.98	255.771	255.676	248.64	0.17	8.7	98	48.92	19.926	7.8	-76.9	1.1	6.8
11/03/04	10:00:52	25.04	255.462	255.68	248.19	0.17	8.6	98	48.95	19.949	7.8	-76.7	0.8	13
11/03/04	10:30:52	25.64	252.576	255.68	244.05	0.2	9.7	98	48.94	20.008	7.79	-76.5	0.1	8.1
11/03/04	11:00:52	27.31	244.882	255.68	233.15	0.2	9.4	98	48.9	20.167	7.78	-76.2	-0	5.4
11/03/04	11:30:52	26.18	250.028	255.68	240.42	0.22	10.7	98	48.8	19.988	7.79	-76.4	-1.4	5
11/03/04	12:00:52	26.35	249.257	255.68	239.32	0.22	10.4	98	48.83	20.02	7.79	-76.5	0.3	1.2
11/03/04	12:30:52	25.61	252.75	255.684	244.3	0.2	9.7	98	48.74	19.887	7.79	-76.2	0.2	6.4
11/03/04	13:00:52	25.01	255.649	255.684	248.46	0.23	11.4	99	48.74	19.823	7.79	-76.2	2.1	4.2
11/03/04	13:30:52	26.1	250.439	255.684	241	0.28	13.3	99	48.65	19.888	7.78	-75.7	5.3	2.9
11/03/04	14:00:52	24.97	255.833	255.684	248.72	0.3	14.9	99	48.7	19.794	7.77	-75.1	28.2	4.4
11/03/04	14:30:52	25.68	252.423	255.684	243.83	0.3	14.8	98	48.68	19.861	7.76	-74.9	23.7	7.2
11/03/04	15:00:52	26.07	250.555	255.684	241.17	0.32	15.6	99	48.6	19.855	7.77	-75.3	15.9	6.7
11/03/04	15:30:52	25.35	253.989	255.68	246.07	0.33	16.3	98	48.47	19.701	7.77	-75.1	20.3	2.3
11/03/04	16:00:52	26.13	250.263	255.68	240.75	0.34	16.2	99	48.48	19.795	7.77	-75.2	26.4	0.9
11/03/04	16:30:52	25.94	251.153	255.684	242.02	0.32	15.5	99	48.41	19.732	7.77	-75.3	23.7	3
11/03/04	17:00:52	26.55	248.358	255.688	238.05	0.27	12.6	98	48.42	19.801	7.78	-75.8	53.6	3.3
11/03/04	17:30:52	27.19	245.432	255.684	233.92	0.3	13.8	99	48.43	19.875	7.78	-75.8	67	4.5
11/03/04	18:00:52	25.09	255.229	255.688	247.86	0.26	13	99	48.45	19.663	7.78	-75.9	125.7	2
11/03/04	18:30:52	27.51	243.978	255.688	231.88	0.34	15.7	99	48.42	19.898	7.77	-75.7	30.7	1.4
11/03/04	19:00:52	25.87	251.511	255.688	242.53	0.35	16.9	98	48.53	19.792	7.78	-75.6	109.9	7.1
11/03/04	19:30:52	25.24	254.527	255.688	246.85	0.36	17.8	99	48.37	19.627	7.77	-75.4	53.4	5.1
11/03/04	20:00:52	25.11	255.131	255.688	247.71	0.35	17.5	99	48.57	19.733	7.77	-75	75.2	6.7
11/03/04	20:30:52	26.51	248.494	255.684	238.24	0.38	17.9	99	48.52	19.86	7.76	-75.1	39.8	0.7
11/03/04	21:00:52	27.2	245.366	255.688	233.83	0.34	15.9	99	48.63	19.997	7.76	-74.9	26.8	2.1
11/03/04	21:30:52	26.25	249.723	255.691	239.99	0.35	16.8	99	48.6	19.877	7.76	-74.5	19.1	1.6
11/03/04	22:00:52	26.98	246.363	255.68	235.23	0.35	16.5	98	48.68	20.002	7.76	-74.6	15.2	2.4
11/03/04	22:30:52	25.08	255.296	255.688	247.95	0.36	18	98	48.77	19.847	7.75	-74.3	17.6	1
11/03/04	23:00:52	25.95	251.131	255.684	241.99	0.36	17.3	98	48.8	19.962	7.75	-74.1	6	1.2

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/03/04	23:30:52	25.42	253.628	255.68	245.56	0.36	17.8	99	48.81	19.912	7.76	-74.6	1	1.5
11/04/04	00:00:52	24.78	256.73	255.664	250.02	0.22	11	98	48.96	19.924	7.78	-75.7	0.6	1.7
11/04/04	00:30:52	23.89	261.183	255.66	256.48	0.18	9.1	98	49	19.841	7.8	-76.5	2.6	2.7
11/04/04	01:00:52	24.3	259.115	255.656	253.47	0.16	8.3	98	49	19.893	7.79	-76.3	0.1	4.2
11/04/04	01:30:52	25.5	253.254	255.652	245.02	0.16	7.6	98	49.05	20.06	7.79	-76.2	-0.8	7.5
11/04/04	02:00:52	25.04	255.462	255.648	248.19	0.16	8.1	98	49.09	20.033	7.79	-76.2	0.2	5.5
11/04/04	02:30:52	24.92	256.043	255.652	249.03	0.16	8	98	49.12	20.037	7.79	-76.2	0.3	7
11/04/04	03:00:52	24.82	256.547	255.648	249.75	0.15	7.6	98	49.13	20.026	7.79	-76.4	0.2	6.5
11/04/04	03:30:52	25.46	253.434	255.652	245.28	0.17	8.5	98	49.15	20.114	7.79	-76.5	0.4	9.1
11/04/04	04:00:52	24.93	256.012	255.652	248.98	0.2	9.8	98	49.22	20.094	7.79	-76.3	-0.1	7.5
11/04/04	04:30:52	24.52	258.022	255.656	251.88	0.2	10	97	49.27	20.079	7.79	-76.2	0.6	10.1
11/04/04	05:00:52	24.81	256.586	255.66	249.81	0.2	10	98	49.22	20.079	7.79	-76.4	0.1	1.6
11/04/04	05:30:52	24.97	255.81	255.656	248.69	0.19	9.5	98	49.22	20.102	7.79	-76.5	0.6	1
11/04/04	06:00:52	24.26	259.312	255.66	253.75	0.17	8.7	98	49.19	20	7.79	-76.4	0.2	2.4
11/04/04	06:30:52	24.34	258.931	255.66	253.2	0.19	9.9	98	49.17	20	7.79	-76.4	-0.1	1.5
11/04/04	07:00:52	24.36	258.821	255.66	253.04	0.21	10.8	98	49.17	19.998	7.79	-76.3	0	0.6
11/04/04	07:30:52	25.51	253.186	255.668	244.92	0.22	10.9	98	49.1	20.091	7.79	-76.3	0.3	7.7
11/04/04	08:00:52	24.66	257.366	255.672	250.94	0.26	13	99	49.13	20.007	7.79	-76.1	0.2	4.3
11/04/04	08:30:52	26.36	249.185	255.676	239.22	0.27	13.1	99	49.04	20.147	7.78	-76.2	0.2	5.9
11/04/04	09:00:52	25.36	253.915	255.676	245.97	0.27	13.4	98	49.05	20.046	7.79	-76.2	-0.3	0.7
11/04/04	09:30:52	26.93	246.579	255.676	235.54	0.28	13.3	98	49.02	20.2	7.78	-76	-0.1	1.2
11/04/04	10:00:52	25.31	254.161	255.68	246.32	0.31	15.4	98	49	20.007	7.78	-76	0.4	2.3
11/04/04	10:30:52	26.59	248.161	255.68	237.77	0.3	14.4	98	48.95	20.119	7.78	-75.9	-0.1	1.4
11/04/04	11:00:52	24.85	256.402	255.684	249.55	0.27	13.6	99	48.9	19.899	7.78	-76	0.6	2
11/04/04	11:30:52	26.91	246.674	255.684	235.67	0.26	12.4	99	48.94	20.146	7.78	-76.1	0.4	1.5
11/04/04	12:00:52	26.24	249.784	255.684	240.07	0.29	13.8	99	48.88	20.037	7.78	-75.9	0.1	2.3
11/04/04	12:30:52	25.07	255.35	255.684	248.03	0.33	16.2	99	48.82	19.876	7.78	-75.5	1.1	0.4
11/04/04	13:00:52	25.02	255.564	255.684	248.34	0.3	14.7	99	48.84	19.88	7.78	-75.7	6.4	0.9
11/04/04	13:30:52	26.62	248.026	255.684	237.58	0.29	13.7	99	48.72	19.989	7.77	-75.6	15.4	1.8
11/04/04	14:00:52	26.94	246.566	255.684	235.52	0.31	14.5	98	48.75	20.037	7.77	-75.3	25.7	1.8
11/04/04	14:30:52	27.05	246.06	255.684	234.8	0.33	15.6	98	48.72	20.029	7.76	-75	37	0.5
11/04/04	15:00:52	25.77	251.992	255.684	243.22	0.35	17	99	48.73	19.903	7.76	-74.5	50.9	1.5
11/04/04	15:30:52	24.92	256.092	255.688	249.1	0.36	17.9	99	48.69	19.78	7.76	-74.6	66.6	0.7
11/04/04	16:00:52	25.2	254.701	255.684	247.1	0.34	16.9	99	48.68	19.805	7.75	-74.3	81.5	1.2
11/04/04	16:30:52	26.8	247.179	255.684	236.38	0.37	17.2	99	48.64	19.958	7.74	-74	92.9	0.5
11/04/04	17:00:52	26.92	246.637	255.684	235.62	0.43	20.3	99	48.54	19.912	7.75	-74.1	100.5	0.8
11/04/04	17:30:52	25.95	251.127	255.684	241.98	0.36	17.2	99	48.61	19.848	7.74	-73.5	109.4	1.5
11/04/04	18:00:52	26.66	247.807	255.684	237.27	0.37	17.3	99	48.58	19.911	7.74	-73.9	110	1
11/04/04	18:30:52	26.91	246.686	255.688	235.69	0.38	17.7	99	48.5	19.89	7.74	-73.8	104.8	0.8
11/04/04	19:00:52	26.83	247.045	255.684	236.19	0.4	18.6	99	48.54	19.901	7.74	-73.8	102.9	1
11/04/04	19:30:52	25.12	255.078	255.684	247.64	0.38	18.8	99	48.55	19.721	7.75	-73.8	90.5	0.6
11/04/04	20:00:52	26.89	246.761	255.688	235.79	0.36	16.8	99	48.55	19.917	7.74	-73.9	78.5	0.9
11/04/04	20:30:52	26.35	249.269	255.684	239.34	0.41	19.6	98	48.55	19.858	7.74	-73.9	64.6	3.9
11/04/04	21:00:52	24.8	256.659	255.684	249.92	0.3	15.2	99	48.57	19.7	7.75	-73.7	51.9	1.7
11/04/04	21:30:52	25.6	252.803	255.684	244.38	0.32	15.5	99	48.61	19.808	7.74	-73.7	38.2	0.8
11/04/04	22:00:52	25.58	252.874	255.676	244.48	0.33	15.9	99	48.66	19.839	7.74	-73.7	24.9	2.2
11/04/04	22:30:52	25.03	255.544	255.668	248.31	0.27	13.3	99	48.73	19.818	7.75	-74.2	14.1	1
11/04/04	23:00:52	24.94	255.961	255.664	248.91	0.2	10.1	99	48.75	19.818	7.76	-74.8	5.4	1
11/04/04	23:30:52	25.71	252.252	255.656	243.59	0.19	9.3	99	48.83	19.955	7.77	-75.4	1.9	6.3
11/05/04	00:00:52	24.24	259.428	255.652	253.92	0.23	11.9	98	48.86	19.804	7.78	-75.5	0.6	3.3
11/05/04	00:30:52	24.39	258.657	255.652	252.8	0.15	7.7	98	48.91	19.852	7.78	-75.6	0.2	6.4
11/05/04	01:00:52	24.39	258.672	255.648	252.83	0.14	7.2	98	48.97	19.885	7.78	-75.6	0.1	1.5
11/05/04	01:30:52	23.87	261.275	255.645	256.61	0.14	7.2	99	49	19.843	7.78	-75.6	0.3	0.7
11/05/04	02:00:52	23.64	262.476	255.645	258.36	0.14	7.1	98	49.08	19.861	7.78	-75.7	0.3	9.7
11/05/04	02:30:52	24.3	259.085	255.645	253.42	0.15	7.6	98	49.11	19.955	7.78	-75.4	-0.4	2.4
11/05/04	03:00:52	24.37	258.782	255.645	252.99	0.14	7.1	98	49.16	19.993	7.78	-75.8	0.5	3.3
11/05/04	03:30:52	24.34	258.919	255.645	253.18	0.15	7.4	98	49.21	20.02	7.78	-75.6	-0.5	1.3
11/05/04	04:00:52	25.67	252.402	255.645	243.8	0.19	9.1	98	49.17	20.153	7.78	-75.6	-0.6	2
11/05/04	04:30:52	24.27	259.254	255.648	253.67	0.18	8.9	98	49.23	20.022	7.78	-75.6	1.1	7.1
11/05/04	05:00:52	23.93	260.967	255.645	256.16	0.18	9.1	98	49.2	19.965	7.78	-75.4	-0.2	0.7
11/05/04	05:30:52	23.66	262.371	255.648	258.21	0.22	11.4	97	49.22	19.941	7.78	-75.6	0.3	1.5
11/05/04	06:00:52	23.65	262.433	255.648	258.3	0.18	9.1	98	49.22	19.945	7.78	-75.4	1.2	4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/05/04	06:30:52	23.61	262.612	255.648	258.56	0.17	8.8	98	49.2	19.925	7.78	-75.4	0.9	0.6
11/05/04	07:00:52	24.01	260.594	255.648	255.62	0.17	8.5	97	49.19	19.966	7.78	-75.4	-1.1	1.4
11/05/04	07:30:52	24.16	259.831	255.645	254.51	0.16	8	97	49.17	19.974	7.77	-75.3	0.2	4
11/05/04	08:00:52	23.61	262.641	255.645	258.6	0.17	8.9	97	49.15	19.897	7.78	-75.4	0.3	1.6
11/05/04	08:30:52	24.35	258.855	255.645	253.09	0.17	8.6	97	49.12	19.966	7.78	-75.5	1.2	2.6
11/05/04	09:00:52	23.62	262.589	255.645	258.53	0.18	9.1	97	49.11	19.873	7.78	-75.3	0.6	0.7
11/05/04	09:30:52	25.4	253.685	255.645	245.64	0.18	9	97	49.11	20.085	7.77	-75.3	-0.4	1
11/05/04	10:00:52	25.22	254.56	255.641	246.89	0.18	8.9	96	49.04	20.023	7.78	-75.5	-0.5	1.8
11/05/04	10:30:52	24.3	259.095	255.641	253.44	0.14	7	96	49.07	19.936	7.78	-75.5	-1.3	0.9
11/05/04	11:00:52	24.19	259.683	255.645	254.29	0.16	8.1	96	48.99	19.875	7.78	-75.5	0.6	0.7
11/05/04	11:30:52	25.12	255.049	255.641	247.6	0.14	6.9	96	48.99	19.984	7.78	-75.5	-0.1	0.8
11/05/04	12:00:52	24.33	258.947	255.645	253.22	0.14	7.4	96	48.98	19.883	7.78	-75.5	1.7	1
11/05/04	12:30:52	24.56	257.82	255.641	251.59	0.14	7.3	95	48.96	19.902	7.77	-75.2	0.6	0.6
11/05/04	13:00:52	23.85	261.37	255.637	256.75	0.13	6.9	95	48.95	19.813	7.77	-75.1	4.4	0.9
11/05/04	13:30:52	24.74	256.904	255.641	250.27	0.1	5.3	95	48.92	19.897	7.77	-75.3	11	0.6
11/05/04	14:00:52	23.46	263.371	255.637	259.67	0.11	5.9	95	48.89	19.727	7.78	-75.3	27.8	0.9
11/05/04	14:30:52	24.07	260.266	255.641	255.14	0.12	6.2	95	48.86	19.782	7.77	-75.2	22.2	0.9
11/05/04	15:00:52	23.56	262.882	255.641	258.96	0.12	6.3	95	48.85	19.718	7.77	-74.8	18.6	2.4
11/05/04	15:30:52	23.26	264.442	255.641	261.24	0.13	6.9	95	48.82	19.661	7.78	-75.6	65.6	0.7
11/05/04	16:00:52	25.37	253.827	255.641	245.84	0.11	5.5	96	48.75	19.87	7.78	-75.7	73.7	0.6
11/05/04	16:30:52	23.27	264.356	255.641	261.12	0.11	5.6	95	48.75	19.624	7.78	-75.3	92	1.1
11/05/04	17:00:52	25.01	255.603	255.633	248.39	0.13	6.3	96	48.68	19.788	7.77	-75	60.6	1.1
11/05/04	17:30:52	23.31	264.175	255.637	260.85	0.11	5.8	96	48.65	19.567	7.78	-75.3	114.9	0.8
11/05/04	18:00:52	23.58	262.774	255.637	258.8	0.13	7	95	48.58	19.561	7.77	-75	112.1	0.6
11/05/04	18:30:52	23.64	262.458	255.641	258.34	0.13	6.7	96	48.6	19.581	7.77	-75	101.5	1.2
11/05/04	19:00:52	23.64	262.434	255.641	258.3	0.13	6.5	96	48.61	19.584	7.77	-75	99.7	1.4
11/05/04	19:30:52	24.33	258.963	255.633	253.25	0.12	5.9	96	48.57	19.643	7.77	-75.1	87.9	1.4
11/05/04	20:00:52	23.74	261.964	255.637	257.62	0.15	7.5	96	48.6	19.594	7.77	-75	74.2	4.8
11/05/04	20:30:52	24.87	256.274	255.641	249.36	0.14	7	96	48.54	19.687	7.77	-74.9	68.2	1.4
11/05/04	21:00:52	23.91	261.052	255.641	256.28	0.11	5.9	96	48.53	19.574	7.77	-75	52.2	5
11/05/04	21:30:52	23.47	263.318	255.641	259.59	0.12	6.4	96	48.58	19.551	7.77	-75.2	42.2	2
11/05/04	22:00:52	23.93	260.977	255.641	256.18	0.21	10.6	95	48.67	19.654	7.77	-75.1	28.8	3
11/05/04	22:30:52	24.62	257.515	255.641	251.15	0.12	6.1	96	48.66	19.73	7.77	-75	17.8	2.9
11/05/04	23:00:52	24.18	259.717	255.637	254.34	0.17	8.7	96	48.71	19.706	7.77	-75	6.5	3.4
11/05/04	23:30:52	24.39	258.65	255.641	252.79	0.16	8.1	96	48.78	19.774	7.77	-75	0.5	1.5
11/06/04	00:00:52	24.39	258.673	255.641	252.83	0.18	8.9	95	48.84	19.807	7.77	-75	-0.1	1.1
11/06/04	00:30:52	25.08	255.259	255.637	247.9	0.16	8	95	48.87	19.909	7.77	-75.3	1.2	6.9
11/06/04	01:00:52	24.14	259.914	255.641	254.63	0.16	8.4	95	48.99	19.865	7.77	-75	-0.6	11.9
11/06/04	01:30:52	23.54	262.982	255.641	259.1	0.15	7.7	95	49.01	19.806	7.77	-74.9	-0.6	6
11/06/04	02:00:52	24.42	258.522	255.641	252.61	0.15	7.5	95	49.09	19.957	7.77	-74.9	0.1	4.2
11/06/04	02:30:52	24.46	258.307	255.641	252.3	0.14	6.9	95	49.08	19.959	7.77	-74.9	0.8	6.4
11/06/04	03:00:52	24.03	260.466	255.637	255.43	0.13	6.9	96	49.1	19.918	7.77	-75.1	0.9	2.8
11/06/04	03:30:52	24.67	257.248	255.641	250.77	0.15	7.4	95	49.15	20.026	7.77	-75	-2.2	4
11/06/04	04:00:52	23.7	262.142	255.641	257.87	0.15	7.7	95	49.2	19.938	7.77	-74.9	0.3	1.7
11/06/04	04:30:52	24.55	257.846	255.648	251.63	0.16	7.9	95	49.2	20.038	7.77	-75.1	1.1	8
11/06/04	05:00:52	24.77	256.796	255.645	250.11	0.17	8.7	95	49.24	20.084	7.76	-74.7	0.5	2.6
11/06/04	05:30:52	24.52	257.987	255.645	251.83	0.16	8	95	49.2	20.034	7.76	-74.6	0.4	2.1
11/06/04	06:00:52	23.91	261.097	255.648	256.35	0.17	8.6	95	49.21	19.967	7.77	-74.8	0.3	12.6
11/06/04	06:30:52	24.66	257.305	255.652	250.85	0.18	9	95	49.18	20.041	7.76	-74.8	-0.4	1.5
11/06/04	07:00:52	24.71	257.069	255.656	250.51	0.19	9.5	95	49.21	20.061	7.77	-74.9	1.3	1.5
11/06/04	07:30:52	26.1	250.395	255.656	240.94	0.2	9.5	95	49.2	20.213	7.76	-74.5	-0.2	1.5
11/06/04	08:00:52	26	250.884	255.664	241.64	0.19	9.4	95	49.19	20.196	7.76	-74.6	-0.4	1.3
11/06/04	08:30:52	24.87	256.32	255.664	249.43	0.2	9.8	94	49.14	20.039	7.75	-74.3	-0.9	0.9
11/06/04	09:00:52	24.65	257.367	255.66	250.94	0.19	9.4	94	49.12	20.001	7.75	-74.2	-0.8	0.7
11/06/04	09:30:52	25.27	254.363	255.656	246.61	0.19	9.5	94	49.12	20.076	7.75	-74.2	0.4	0.9
11/06/04	10:00:52	25.06	255.376	255.656	248.07	0.17	8.5	94	49.08	20.028	7.75	-74.2	-0.6	1
11/06/04	10:30:52	25.66	252.475	255.652	243.91	0.14	7	94	49.07	20.089	7.75	-74.2	0.2	1
11/06/04	11:00:52	23.89	261.19	255.648	256.49	0.15	7.8	93	49.03	19.861	7.76	-74.3	-0.4	1
11/06/04	11:30:52	25.36	253.901	255.648	245.95	0.16	7.9	94	49.01	20.021	7.75	-74.3	0.8	1
11/06/04	12:00:52	25.13	255.03	255.648	247.57	0.15	7.6	94	48.97	19.969	7.76	-74.3	-0.6	1.2
11/06/04	12:30:52	24.82	256.543	255.648	249.75	0.16	7.8	94	48.96	19.927	7.76	-74.3	1.6	1
11/06/04	13:00:52	24.72	257.026	255.645	250.44	0.15	7.6	93	48.94	19.908	7.76	-74.3	7.9	0.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/06/04	13:30:52	24.33	258.942	255.648	253.22	0.14	7.2	93	48.92	19.848	7.76	-74.5	16.6	4.6
11/06/04	14:00:52	23.69	262.207	255.648	257.97	0.15	7.6	94	48.92	19.773	7.77	-74.8	26.7	1
11/06/04	14:30:52	24.6	257.628	255.645	251.32	0.12	6	94	48.88	19.86	7.77	-75	40.9	0.8
11/06/04	15:00:52	24.7	257.107	255.645	250.56	0.14	6.9	94	48.85	19.851	7.77	-75.1	55.8	1.2
11/06/04	15:30:52	24.36	258.791	255.648	253	0.32	16.5	93	48.84	19.805	7.77	-75.3	72.5	2
11/06/04	16:00:52	24.55	257.882	255.648	251.68	0.08	4.2	94	48.78	19.792	7.77	-75.1	88.9	0.9
11/06/04	16:30:52	24.31	259.079	255.648	253.42	0.07	3.3	94	48.76	19.751	7.77	-74.8	101.5	0.9
11/06/04	17:00:52	24.79	256.687	255.648	249.96	0.03	1.5	94	48.74	19.794	7.76	-74.4	111.6	1
11/06/04	17:30:52	24.88	256.218	255.652	249.28	0.03	1.3	94	48.68	19.772	7.76	-74.5	121.4	2
11/06/04	18:00:52	24.13	259.982	255.652	254.73	-0	-0.1	94	48.66	19.672	7.76	-74.5	122.2	0.9
11/06/04	18:30:52	24.25	259.378	255.648	253.85	-0	-0.1	94	48.64	19.677	7.76	-74.5	124.8	1.1
11/06/04	19:00:52	24.75	256.867	255.648	250.22	0.01	0.3	94	48.62	19.721	7.76	-74.7	117.6	0.9
11/06/04	19:30:52	24.76	256.812	255.656	250.14	0	0.1	94	48.6	19.714	7.76	-74.6	107.5	1.2
11/06/04	20:00:52	24.55	257.845	255.652	251.63	0.01	0.5	94	48.57	19.67	7.76	-74.5	97.3	1.5
11/06/04	20:30:52	24.58	257.704	255.656	251.42	0	0.2	95	48.58	19.682	7.76	-74.8	81.9	1.1
11/06/04	21:00:52	24.69	257.151	255.652	250.63	0.03	1.5	94	48.58	19.691	7.76	-74.7	64.6	3.1
11/06/04	21:30:52	23.94	260.933	255.652	256.11	0.02	1	95	48.56	19.591	7.76	-74.7	48.7	1.2
11/06/04	22:00:52	24.4	258.63	255.652	252.76	0.04	2	94	48.6	19.671	7.76	-74.3	32.6	1.8
11/06/04	22:30:52	24	260.625	255.656	255.66	0.04	2.1	94	48.6	19.626	7.75	-74	18.1	10.2
11/06/04	23:00:52	23.99	260.691	255.652	255.76	0.07	3.5	94	48.62	19.634	7.75	-73.7	6.2	3.4
11/06/04	23:30:52	25.34	254.015	255.652	246.11	0.07	3.3	94	48.65	19.805	7.75	-74.1	1.3	1.8
11/07/04	00:00:52	23.93	260.984	255.652	256.19	0.07	3.8	93	48.71	19.681	7.76	-74.2	-0.2	1.7
11/07/04	00:30:52	24.91	256.097	255.652	249.11	0.08	3.9	94	48.75	19.819	7.75	-74.1	-1	8.9
11/07/04	01:00:52	24.44	258.415	255.652	252.45	0.08	3.8	93	48.78	19.779	7.75	-74	0.4	2.6
11/07/04	01:30:52	24.99	255.711	255.656	248.55	0.1	5	93	48.83	19.872	7.75	-74.2	-0.6	14.5
11/07/04	02:00:52	23.97	260.784	255.652	255.89	0.08	4.2	93	48.88	19.783	7.76	-74.2	0.3	18.3
11/07/04	02:30:52	23.89	261.185	255.652	256.48	0.07	3.7	94	48.93	19.802	7.75	-74.1	0.1	2.5
11/07/04	03:00:52	24.42	258.492	255.652	252.57	0.07	3.8	93	48.95	19.875	7.75	-74.2	0.6	4.6
11/07/04	03:30:52	24.92	256.048	255.652	249.03	0.09	4.4	93	48.99	19.959	7.75	-74.1	-0.6	1.4
11/07/04	04:00:52	23.94	260.932	255.656	256.11	0.06	3.3	93	49.02	19.864	7.76	-74.2	-0.2	40.7
11/07/04	04:30:52	23.95	260.895	255.656	256.06	0.06	2.9	93	49.01	19.857	7.75	-74.1	0.2	5
11/07/04	05:00:52	23.94	260.918	255.656	256.09	0.06	3	93	49.03	19.866	7.75	-74.1	-0.2	17.7
11/07/04	05:30:52	23.9	261.137	255.656	256.41	0.08	4	93	49.03	19.861	7.75	-73.9	0.2	5.9
11/07/04	06:00:52	25.45	253.459	255.656	245.32	0.1	4.9	93	49.05	20.052	7.75	-74	0.1	9.3
11/07/04	06:30:52	24	260.63	255.656	255.67	0.05	2.8	93	49.04	19.88	7.75	-74	-0.7	4.2
11/07/04	07:00:52	25	255.667	255.656	248.49	0.07	3.3	92	49.02	19.985	7.75	-73.9	-0.1	10.4
11/07/04	07:30:52	24.92	256.065	255.656	249.06	0.08	3.9	93	49.02	19.978	7.75	-73.9	-0.1	7
11/07/04	08:00:52	23.76	261.872	255.652	257.48	0.11	5.7	92	49	19.825	7.75	-73.8	-0.2	8.6
11/07/04	08:30:52	24.57	257.767	255.656	251.52	0.1	4.8	93	48.96	19.9	7.75	-73.9	0.6	8.2
11/07/04	09:00:52	23.83	261.484	255.652	256.91	0.11	5.4	93	48.95	19.805	7.75	-73.7	0.4	14.7
11/07/04	09:30:52	23.87	261.269	255.652	256.6	0.07	3.4	93	48.95	19.812	7.75	-73.8	0.4	9.5
11/07/04	10:00:52	23.93	260.979	255.656	256.18	0.08	4.3	93	48.92	19.8	7.75	-73.7	-0.3	8.6
11/07/04	10:30:52	25.49	253.271	255.656	245.04	0.07	3.4	93	48.91	19.978	7.74	-73.7	1.3	9.7
11/07/04	11:00:52	23.77	261.806	255.656	257.38	0.05	2.6	93	48.88	19.761	7.75	-73.9	1.4	13.8
11/07/04	11:30:52	25.63	252.61	255.652	244.1	0.04	2.2	93	48.87	19.967	7.75	-73.9	0	13.3
11/07/04	12:00:52	25.47	253.363	255.652	245.18	0.05	2.2	92	48.88	19.959	7.74	-73.8	0.8	6.7
11/07/04	12:30:52	24.15	259.88	255.652	254.58	0.09	4.6	93	48.88	19.805	7.75	-73.7	1.6	6
11/07/04	13:00:52	24.65	257.35	255.652	250.91	0.07	3.6	93	48.85	19.845	7.74	-73.5	7.6	6.7
11/07/04	13:30:52	24.5	258.105	255.652	252	0.06	3.1	93	48.87	19.838	7.75	-74	18	5.2
11/07/04	14:00:52	24.82	256.516	255.648	249.71	0.03	1.5	93	48.89	19.886	7.75	-74.2	33.9	8.4
11/07/04	14:30:52	24.54	257.936	255.652	251.76	0.03	1.5	93	48.87	19.845	7.75	-74	23	5.4
11/07/04	15:00:52	24.73	256.989	255.652	250.39	-0.01	-0.7	93	48.87	19.865	7.76	-74.7	73	6.8
11/07/04	15:30:52	24.36	258.794	255.652	253	0.01	0.5	93	48.84	19.808	7.76	-74.4	64	6.3
11/07/04	16:00:52	24.22	259.539	255.652	254.08	-0.05	-2.4	94	48.89	19.818	7.76	-74.5	111.3	12.4
11/07/04	16:30:52	25.15	254.905	255.652	247.39	-0.05	-2.6	94	48.86	19.907	7.76	-74.4	116.8	6.2
11/07/04	17:00:52	24.46	258.323	255.656	252.32	-0.02	-1	94	48.84	19.818	7.75	-74	70	12
11/07/04	17:30:52	24.8	256.659	255.656	249.91	-0.07	-3.6	94	48.83	19.853	7.76	-74.5	140.4	5.4
11/07/04	18:00:52	24.22	259.51	255.656	254.04	-0.03	-1.4	95	48.81	19.773	7.75	-74.2	113.1	7.5
11/07/04	18:30:52	24.91	256.097	255.656	249.1	-0.06	-3.2	95	48.78	19.832	7.76	-74.3	149.4	8.3
11/07/04	19:00:52	23.85	261.38	255.656	256.76	-0.07	-3.5	94	48.78	19.711	7.76	-74.4	139.1	10.1
11/07/04	19:30:52	24.98	255.734	255.656	248.58	-0.13	-6.5	94	48.75	19.823	7.76	-74.3	140.8	7.9
11/07/04	20:00:52	24.96	255.85	255.656	248.75	-0.15	-7.4	94	48.74	19.816	7.75	-74.2	114.5	27.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/07/04	20:30:52	24.8	256.627	255.656	249.87	-0.12	-6.2	96	48.73	19.794	7.75	-74.2	102.2	8.1
11/07/04	21:00:52	24.22	259.547	255.656	254.1	-0.16	-8.3	95	48.71	19.714	7.76	-74.6	91.8	11.2
11/07/04	21:30:52	24.92	256.066	255.652	249.06	-0.17	-8.2	95	48.7	19.789	7.76	-74.4	62.1	6.2
11/07/04	22:00:52	24.51	258.068	255.656	251.95	-0.16	-8	94	48.72	19.75	7.75	-74.2	39.3	11.8
11/07/04	22:30:52	24.51	258.086	255.652	251.98	-0.14	-7.3	95	48.74	19.762	7.75	-73.8	21.3	31.3
11/07/04	23:00:52	24.09	260.162	255.656	254.99	-0.11	-5.7	94	48.75	19.719	7.74	-73.5	8.4	12.5
11/07/04	23:30:52	25.73	252.139	255.656	243.43	-0.1	-5.1	94	48.76	19.915	7.74	-73.5	0.4	10.8
11/08/04	00:00:52	24.14	259.949	255.656	254.68	-0.1	-5.3	94	48.78	19.745	7.74	-73.4	0.5	12.3
11/08/04	00:30:52	25.8	251.788	255.656	242.92	-0.1	-4.7	95	48.82	19.959	7.74	-73.9	0.9	77.8
11/08/04	01:00:52	23.96	260.84	255.652	255.98	-0.1	-5.2	94	48.86	19.77	7.75	-74	-0.2	37.5
11/08/04	01:30:52	25.45	253.49	255.656	245.36	-0.12	-5.9	94	48.89	19.962	7.74	-73.7	0.3	159.1
11/08/04	02:00:52	23.91	261.068	255.656	256.31	-0.11	-5.8	94	48.92	19.801	7.75	-73.7	0.1	27.5
11/08/04	02:30:52	25.81	251.77	255.656	242.9	-0.11	-5.2	94	48.96	20.041	7.74	-73.5	1.1	10
11/08/04	03:00:52	24.46	258.318	255.656	252.31	-0.12	-5.8	94	49	19.914	7.75	-73.7	0.1	27.7
11/08/04	03:30:52	23.97	260.779	255.656	255.89	-0.09	-4.8	94	49.03	19.872	7.75	-73.8	0.5	76
11/08/04	04:00:52	24.49	258.168	255.656	252.1	-0.11	-5.4	94	49.06	19.947	7.75	-73.7	0.8	26.9
11/08/04	04:30:52	24.18	259.727	255.656	254.36	-0.1	-5.1	93	49.07	19.918	7.74	-73.5	1.4	7.1
11/08/04	05:00:52	24.32	258.992	255.652	253.29	-0.09	-4.4	93	49.09	19.945	7.75	-73.7	1.1	39.1
11/08/04	05:30:52	25.01	255.6	255.656	248.39	-0.09	-4.4	94	49.08	20.02	7.74	-73.4	-0.4	199.7
11/08/04	06:00:52	25.68	252.388	255.652	243.78	-0.09	-4.3	94	49.07	20.093	7.74	-73.3	0.3	11.5
11/08/04	06:30:52	23.86	261.343	255.656	256.71	-0.09	-4.6	94	49.05	19.871	7.75	-73.6	1.3	34.9
11/08/04	07:00:52	24.29	259.165	255.656	253.54	-0.11	-5.3	94	49.05	19.92	7.74	-73.6	0.9	78.7
11/08/04	07:30:52	24.38	258.719	255.664	252.89	-0.09	-4.6	94	49.02	19.916	7.74	-73.4	0.1	16.5
11/08/04	08:00:52	24.52	258.016	255.664	251.88	-0.07	-3.6	94	49.01	19.925	7.74	-73.2	0.8	28.3
11/08/04	08:30:52	24.56	257.816	255.664	251.59	-0.06	-3	94	49	19.92	7.74	-73.5	1.1	35
11/08/04	09:00:52	24.4	258.613	255.668	252.74	-0.08	-3.9	94	48.97	19.884	7.74	-73.5	-0.4	28.3
11/08/04	09:30:52	25.87	251.509	255.668	242.53	-0.06	-2.7	94	48.94	20.034	7.73	-73.2	0.1	27.9
11/08/04	10:00:52	24.6	257.643	255.668	251.34	-0.08	-4.2	94	48.91	19.876	7.73	-73.1	0.7	4.3
11/08/04	10:30:52	25.77	251.977	255.672	243.19	-0.06	-2.7	95	48.9	20	7.73	-73.2	0.4	9.8
11/08/04	11:00:52	24.7	257.17	255.676	250.65	-0.05	-2.4	95	48.88	19.866	7.74	-73.2	0.3	7.9
11/08/04	11:30:52	25.58	252.879	255.672	244.48	-0.08	-3.8	95	48.86	19.957	7.73	-72.8	-0.2	5.4
11/08/04	12:00:52	24.91	256.116	255.676	249.13	-0.07	-3.3	95	48.85	19.874	7.74	-73.3	-0.2	134.7
11/08/04	12:30:52	24.86	256.372	255.676	249.5	-0.07	-3.6	95	48.84	19.863	7.73	-73.1	0.6	10.1
11/08/04	13:00:52	25.28	254.294	255.676	246.51	-0.09	-4.3	95	48.85	19.916	7.73	-73.2	6.8	30.7
11/08/04	13:30:52	25.5	253.241	255.68	245	-0.1	-4.7	95	48.85	19.942	7.74	-73.3	21.9	75.7
11/08/04	14:00:52	25.25	254.467	255.676	246.76	-0.11	-5.5	95	48.84	19.908	7.74	-73.2	36.5	6.4
11/08/04	14:30:52	24.52	258.02	255.668	251.88	-0.1	-5.2	95	48.85	19.832	7.74	-73.4	56.1	20.9
11/08/04	15:00:52	24.76	256.847	255.66	250.19	-0.13	-6.6	95	48.86	19.862	7.74	-73.5	69.9	137.6
11/08/04	15:30:52	24.85	256.415	255.66	249.56	-0.15	-7.5	95	48.86	19.875	7.74	-73.2	88.4	145.2
11/08/04	16:00:52	25.19	254.731	255.656	247.14	-0.15	-7.4	95	48.85	19.907	7.74	-73.5	107.2	36.3
11/08/04	16:30:52	24.45	258.387	255.656	252.41	-0.14	-7.1	94	48.85	19.824	7.74	-73.4	121.6	141.4
11/08/04	17:00:52	24.82	256.528	255.656	249.73	-0.13	-6.3	95	48.84	19.857	7.73	-72.9	47.2	181.5
11/08/04	17:30:52	23.92	261.049	255.656	256.28	-0.13	-6.9	95	48.84	19.753	7.74	-73.1	53.8	32.5
11/08/04	18:00:52	25.7	252.292	255.652	243.64	-0.2	-9.9	96	48.82	19.946	7.74	-73.5	166.6	158.4
11/08/04	18:30:52	25.25	254.457	255.652	246.75	-0.14	-7.1	96	48.8	19.885	7.74	-73.3	38	45.3
11/08/04	19:00:52	24.61	257.581	255.656	251.25	-0.16	-7.8	95	48.77	19.795	7.73	-73	31.6	114.2
11/08/04	19:30:52	23.84	261.469	255.656	256.89	-0.2	-10.3	96	48.75	19.692	7.74	-73.4	66.6	74.6
11/08/04	20:00:52	24.04	260.407	255.656	255.35	-0.21	-10.6	96	48.73	19.705	7.74	-73.4	60.6	19.8
11/08/04	20:30:52	25	255.649	255.652	248.46	-0.22	-10.7	96	48.71	19.803	7.74	-73.5	56.2	25.3
11/08/04	21:00:52	24.67	257.287	255.652	250.82	-0.21	-10.7	96	48.67	19.744	7.74	-73.4	70.6	99.4
11/08/04	21:30:52	24.74	256.912	255.652	250.28	-0.19	-9.4	96	48.67	19.749	7.74	-73.5	42.1	57.5
11/08/04	22:00:52	23.9	261.157	255.652	256.44	-0.17	-8.6	96	48.66	19.645	7.74	-73.4	40.6	194
11/08/04	22:30:52	25.09	255.19	255.652	247.8	-0.17	-8.5	96	48.65	19.778	7.73	-73.1	23	4.7
11/08/04	23:00:52	24.77	256.776	255.652	250.08	-0.14	-6.8	95	48.65	19.741	7.73	-72.7	10.6	17.1
11/08/04	23:30:52	25.7	252.301	255.652	243.66	-0.11	-5.6	96	48.65	19.845	7.73	-72.9	0.4	20.6
11/09/04	00:00:52	23.91	261.091	255.652	256.34	-0.12	-6.2	96	48.67	19.656	7.73	-72.8	-0.8	9
11/09/04	00:30:52	23.89	261.185	255.652	256.48	-0.11	-5.8	95	48.68	19.657	7.73	-72.8	1.1	6.1
11/09/04	01:00:52	24.89	256.209	255.652	249.27	-0.1	-5.2	95	48.7	19.786	7.73	-73	0.3	7.8
11/09/04	01:30:52	24.16	259.819	255.656	254.49	-0.13	-6.7	95	48.74	19.723	7.73	-72.6	1.3	73.5
11/09/04	02:00:52	24.45	258.346	255.656	252.35	-0.13	-6.5	95	48.76	19.772	7.72	-72.5	0.9	2.8
11/09/04	02:30:52	23.94	260.964	255.66	256.16	-0.14	-7.3	95	48.79	19.727	7.73	-72.9	0.2	47.4
11/09/04	03:00:52	23.96	260.83	255.656	255.96	-0.14	-7	95	48.83	19.75	7.73	-72.8	-0.7	14.7

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/09/04	03:30:52	24.83	256.501	255.656	249.69	-0.13	-6.5	95	48.85	19.867	7.73	-73.1	-0.8	32
11/09/04	04:00:52	25.69	252.339	255.656	243.71	-0.14	-7	95	48.87	19.972	7.72	-72.3	-1.4	2.3
11/09/04	04:30:52	25.8	251.831	255.656	242.99	-0.16	-7.8	95	48.9	20.001	7.73	-72.9	0.4	47
11/09/04	05:00:52	24.67	257.277	255.66	250.81	-0.15	-7.6	94	48.91	19.882	7.73	-73	1.4	45.9
11/09/04	05:30:52	24.84	256.438	255.656	249.6	-0.15	-7.2	94	48.9	19.899	7.73	-72.8	0.2	98.2
11/09/04	06:00:52	25.56	252.937	255.66	244.57	-0.13	-6.5	95	48.9	19.976	7.73	-73	0.4	135.8
11/09/04	06:30:52	25.57	252.885	255.66	244.49	-0.15	-7.1	95	48.89	19.975	7.72	-72.6	-0.3	129.1
11/09/04	07:00:52	24.71	257.056	255.656	250.49	-0.14	-6.8	95	48.87	19.867	7.73	-72.9	-0.5	99.8
11/09/04	07:30:52	23.94	260.928	255.656	256.1	-0.13	-6.8	95	48.86	19.767	7.73	-73	0.1	131.2
11/09/04	08:00:52	25.01	255.63	255.66	248.43	-0.13	-6.4	95	48.82	19.87	7.73	-72.8	0.1	13.4
11/09/04	08:30:52	24.83	256.492	255.656	249.67	-0.14	-6.8	95	48.81	19.841	7.73	-72.8	-1.2	12
11/09/04	09:00:52	24.69	257.192	255.652	250.68	-0.14	-6.8	95	48.79	19.814	7.72	-72.5	-1.3	18.3
11/09/04	09:30:52	25.56	252.942	255.656	244.57	-0.13	-6.3	95	48.77	19.902	7.73	-72.7	0.5	18.6
11/09/04	10:00:52	24.69	257.2	255.656	250.7	-0.15	-7.4	95	48.74	19.787	7.72	-72.5	0.1	4.3
11/09/04	10:30:52	25.39	253.75	255.656	245.73	-0.16	-7.8	95	48.72	19.853	7.72	-72.6	0	26.3
11/09/04	11:00:52	24.02	260.528	255.656	255.52	-0.14	-7.4	95	48.72	19.694	7.73	-72.8	0.5	24.6
11/09/04	11:30:52	25.05	255.399	255.656	248.1	-0.15	-7.6	95	48.71	19.809	7.72	-72.4	0.3	13.5
11/09/04	12:00:52	24.83	256.505	255.656	249.69	-0.13	-6.7	95	48.7	19.778	7.72	-72.4	-0.6	1
11/09/04	12:30:52	24.02	260.546	255.656	255.55	-0.14	-7.2	95	48.72	19.693	7.73	-72.7	1	9.5
11/09/04	13:00:52	24.01	260.602	255.656	255.63	-0.16	-8.3	95	48.72	19.692	7.73	-72.6	9	5.1
11/09/04	13:30:52	25.08	255.265	255.656	247.91	-0.17	-8.3	95	48.74	19.829	7.72	-72.5	19.7	2.3
11/09/04	14:00:52	24.19	259.672	255.656	254.28	-0.17	-8.5	95	48.75	19.735	7.73	-72.5	35.4	17.3
11/09/04	14:30:52	23.97	260.792	255.66	255.91	-0.17	-8.7	95	48.79	19.73	7.73	-72.8	52.1	5.9
11/09/04	15:00:52	23.81	261.595	255.656	257.08	-0.19	-10	95	48.82	19.73	7.73	-72.7	74.2	34.7
11/09/04	15:30:52	23.75	261.923	255.656	257.56	-0.21	-11.1	95	48.86	19.744	7.73	-72.9	90.8	24.6
11/09/04	16:00:52	24.58	257.699	255.656	251.42	-0.22	-11	95	48.89	19.858	7.73	-72.8	104	45.1
11/09/04	16:30:52	24.66	257.323	255.656	250.87	-0.24	-12.2	96	48.93	19.892	7.72	-72.4	129.2	1
11/09/04	17:00:52	24.03	260.459	255.652	255.42	-0.23	-11.7	96	48.93	19.82	7.72	-72.4	144.5	134.2
11/09/04	17:30:52	24.74	256.943	255.656	250.32	-0.24	-11.9	96	48.97	19.925	7.72	-72.3	144.9	3.6
11/09/04	18:00:52	24.92	256.056	255.656	249.05	-0.23	-11.6	96	48.96	19.941	7.73	-72.6	155.2	64
11/09/04	18:30:52	24.99	255.707	255.656	248.54	-0.22	-11.1	97	48.96	19.949	7.72	-72.6	149.8	181.3
11/09/04	19:00:52	24.79	256.677	255.652	249.94	-0.21	-10.4	96	48.99	19.941	7.72	-72.6	146.5	211.9
11/09/04	19:30:52	24.67	257.3	255.656	250.84	-0.23	-11.5	97	48.97	19.919	7.73	-72.8	136.4	167.9
11/09/04	20:00:52	23.78	261.754	255.66	257.31	-0.26	-13.7	96	48.97	19.815	7.74	-73.1	130.1	9.2
11/09/04	20:30:52	25.3	254.222	255.656	246.41	-0.25	-12.5	97	48.94	19.973	7.72	-72.3	80.8	151.4
11/09/04	21:00:52	24.66	257.332	255.652	250.89	-0.29	-14.5	97	48.93	19.895	7.73	-73	83.7	181.2
11/09/04	21:30:52	24.57	257.795	255.656	251.56	-0.24	-12	96	48.91	19.869	7.72	-72.5	54.1	179
11/09/04	22:00:52	24.55	257.854	255.652	251.64	-0.21	-10.4	96	48.92	19.874	7.72	-72.5	30.6	78.6
11/09/04	22:30:52	24.28	259.212	255.652	253.61	-0.22	-11.1	96	48.91	19.835	7.72	-72.2	13.7	130.6
11/09/04	23:00:52	24.83	256.492	255.656	249.67	-0.21	-10.3	96	48.9	19.898	7.72	-72.2	5.6	26.6
11/09/04	23:30:52	24.62	257.541	255.652	251.19	-0.2	-10.2	96	48.88	19.858	7.72	-72.1	1.2	155.4
11/10/04	00:00:52	24.78	256.741	255.648	250.03	-0.21	-10.5	96	48.89	19.884	7.72	-72.4	0.2	55.7
11/10/04	00:30:52	23.89	261.207	255.656	256.51	-0.18	-9.1	96	48.89	19.779	7.72	-72.4	0.9	135.6
11/10/04	01:00:52	24.77	256.785	255.652	250.1	-0.19	-9.7	96	48.9	19.889	7.72	-72.4	0.5	1.3
11/10/04	01:30:52	24.85	256.375	255.656	249.51	-0.17	-8.4	95	48.91	19.904	7.72	-72.4	0.2	76.6
11/10/04	02:00:52	25.17	254.851	255.66	247.31	-0.19	-9.4	96	48.92	19.946	7.72	-72.1	-0.2	9.2
11/10/04	02:30:52	24.68	257.246	255.652	250.76	-0.18	-8.9	95	48.93	19.895	7.72	-72.3	0	167.4
11/10/04	03:00:52	24.49	258.199	255.66	252.14	-0.2	-10.3	96	48.94	19.879	7.72	-72.4	-0.4	0.8
11/10/04	03:30:52	23.88	261.249	255.66	256.57	-0.19	-9.7	95	48.94	19.808	7.72	-72.4	0.2	154
11/10/04	04:00:52	24.18	259.718	255.656	254.34	-0.19	-9.6	96	48.96	19.855	7.72	-72.3	-0.1	54.6
11/10/04	04:30:52	24.63	257.477	255.656	251.1	-0.18	-9.1	96	48.96	19.91	7.72	-72.2	0.1	7.6
11/10/04	05:00:52	24.8	256.65	255.656	249.9	-0.18	-9	95	48.96	19.926	7.72	-72.1	0.4	145.1
11/10/04	05:30:52	24.41	258.592	255.66	252.71	-0.19	-9.5	96	48.96	19.883	7.72	-72.1	0.5	36
11/10/04	06:00:52	25.23	254.514	255.656	246.83	-0.18	-8.7	95	48.94	19.965	7.72	-72.5	0.5	136.9
11/10/04	06:30:52	24.61	257.567	255.66	251.23	-0.17	-8.8	96	48.92	19.881	7.72	-72.4	-0.2	153.6
11/10/04	07:00:52	24.77	256.798	255.66	250.12	-0.15	-7.7	95	48.89	19.883	7.72	-72.4	0.9	108
11/10/04	07:30:52	24.9	256.172	255.66	249.21	-0.16	-8.2	96	48.86	19.88	7.72	-72.2	0.1	15.7
11/10/04	08:00:52	25.02	255.585	255.664	248.37	-0.15	-7.2	96	48.83	19.878	7.71	-72	0.5	182.2
11/10/04	08:30:52	24.79	256.704	255.656	249.98	-0.16	-7.9	96	48.8	19.833	7.72	-72.3	-0.2	140.9
11/10/04	09:00:52	24.95	255.89	255.66	248.81	-0.17	-8.4	96	48.77	19.836	7.72	-72.1	0.4	0.8
11/10/04	09:30:52	25.57	252.898	255.656	244.51	-0.17	-8.1	96	48.73	19.88	7.72	-72.1	0.2	2.2
11/10/04	10:00:52	24.57	257.767	255.656	251.52	-0.15	-7.7	96	48.69	19.742	7.72	-72.2	-0.4	2.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/10/04	10:30:52	24.73	256.974	255.66	250.37	-0.15	-7.7	96	48.67	19.75	7.71	-71.8	1	9.2
11/10/04	11:00:52	24.87	256.303	255.66	249.4	-0.15	-7.6	96	48.67	19.765	7.72	-72.1	-0.2	7.8
11/10/04	11:30:52	24.39	258.693	255.656	252.86	-0.15	-7.5	95	48.64	19.694	7.71	-72	0.1	2.3
11/10/04	12:00:52	24.19	259.685	255.66	254.3	-0.14	-7.3	95	48.64	19.669	7.72	-72.1	1.1	0.9
11/10/04	12:30:52	25.04	255.474	255.66	248.21	-0.13	-6.6	96	48.65	19.77	7.7	-71.4	1.5	2.1
11/10/04	13:00:52	24.82	256.528	255.656	249.73	-0.11	-5.6	95	48.66	19.754	7.7	-71.3	5.3	5
11/10/04	13:30:52	24.79	256.703	255.66	249.98	-0.1	-4.9	95	48.69	19.766	7.7	-71.4	5.7	2.3
11/10/04	14:00:52	24.82	256.56	255.656	249.77	-0.1	-5.2	95	48.71	19.785	7.7	-70.9	17.1	7.4
11/10/04	14:30:52	25.63	252.619	255.656	244.11	-0.09	-4.6	95	48.75	19.896	7.69	-70.4	14	5.4
11/10/04	15:00:52	23.89	261.197	255.66	256.5	-0.1	-5.2	96	48.82	19.738	7.7	-70.9	14.9	13.4
11/10/04	15:30:52	24.3	259.11	255.656	253.46	-0.15	-7.9	96	48.85	19.807	7.71	-71.6	58	5.6
11/10/04	16:00:52	25.17	254.846	255.66	247.3	-0.13	-6.5	96	48.88	19.92	7.7	-71	20.9	179.4
11/10/04	16:30:52	25.35	253.935	255.656	246	-0.18	-9.1	96	48.98	20	7.7	-71.2	32.3	13.5
11/10/04	17:00:52	23.72	262.069	255.656	257.77	-0.2	-10.2	96	49.04	19.846	7.72	-72	65.1	1
11/10/04	17:30:52	23.82	261.577	255.656	257.05	-0.25	-12.7	96	49.05	19.866	7.72	-72.1	102	7.9
11/10/04	18:00:52	23.84	261.45	255.66	256.86	-0.25	-12.7	96	49.11	19.901	7.71	-71.7	159.3	3.4
11/10/04	18:30:52	25.62	252.666	255.66	244.18	-0.27	-13	98	49.1	20.101	7.7	-71.5	139.6	16.9
11/10/04	19:00:52	24.38	258.702	255.66	252.87	-0.25	-12.7	97	49.13	19.978	7.72	-72.3	138.2	2.3
11/10/04	19:30:52	25.6	252.733	255.652	244.27	-0.26	-12.7	97	49.11	20.104	7.71	-71.8	126.8	8.4
11/10/04	20:00:52	25.64	252.579	255.656	244.06	-0.3	-14.7	97	49.13	20.121	7.71	-71.8	116.1	156.1
11/10/04	20:30:52	24.76	256.821	255.656	250.15	-0.29	-14.6	97	49.14	20.028	7.72	-72.1	94.6	64.9
11/10/04	21:00:52	23.76	261.857	255.66	257.46	-0.26	-13.5	97	49.12	19.897	7.71	-71.8	79.3	8.6
11/10/04	21:30:52	25.56	252.959	255.66	244.6	-0.28	-13.7	97	49.1	20.095	7.7	-71.3	47.3	117.6
11/10/04	22:00:52	24.23	259.487	255.656	254.01	-0.25	-12.5	97	49.12	19.955	7.7	-71.3	22.5	1
11/10/04	22:30:52	25.44	253.512	255.656	245.39	-0.24	-12	96	49.06	20.062	7.7	-71.2	15.3	130.6
11/10/04	23:00:52	23.76	261.872	255.656	257.48	-0.21	-10.9	96	49.09	19.883	7.71	-71.5	9.6	80
11/10/04	23:30:52	24.7	257.124	255.652	250.59	-0.2	-10.2	96	49.04	19.965	7.7	-71.2	1.8	23.1
11/11/04	00:00:52	24.87	256.285	255.656	249.38	-0.19	-9.7	96	49.06	19.994	7.7	-71	0	1.1
11/11/04	00:30:52	25.69	252.339	255.656	243.71	-0.23	-11	96	49.05	20.08	7.7	-71.1	-2.1	2.1
11/11/04	01:00:52	24.32	259.009	255.656	253.32	-0.22	-11	96	49.01	19.902	7.71	-71.8	-1.9	227.6
11/11/04	01:30:52	24.35	258.881	255.656	253.13	-0.2	-10.3	96	48.99	19.891	7.71	-71.5	-0	6.2
11/11/04	02:00:52	23.76	261.872	255.652	257.48	-0.2	-10.4	96	48.97	19.81	7.71	-71.4	0.8	132.9
11/11/04	02:30:52	25.67	252.409	255.66	243.81	-0.21	-10	96	48.97	20.034	7.69	-71	-0.6	1.2
11/11/04	03:00:52	24.14	259.907	255.656	254.62	-0.2	-10.2	96	48.96	19.85	7.71	-71.5	0.7	131.6
11/11/04	03:30:52	25.65	252.531	255.656	243.99	-0.21	-10.2	96	48.98	20.032	7.7	-71.2	-2.9	11.4
11/11/04	04:00:52	23.79	261.722	255.656	257.26	-0.19	-9.7	96	48.97	19.811	7.71	-71.8	3.8	17.2
11/11/04	04:30:52	26.1	250.403	255.66	240.95	2.35	113.1	99	48.94	20.06	7.73	-73.2	-1.5	8.8
11/11/04	05:00:52	25	255.671	255.656	248.49	-0.28	-13.9	97	48.94	19.94	7.7	-71.2	-3.6	20.4
11/11/04	05:30:52	25.63	252.64	255.656	244.14	-0.36	-17.7	96	48.92	19.998	7.69	-70.8	-3.7	17
11/11/04	06:00:52	25.68	252.361	255.656	243.74	-0.38	-18.4	96	48.88	19.979	7.69	-70.7	-3.8	25.9
11/11/04	06:30:52	25.26	254.416	255.66	246.69	-0.35	-17.4	96	48.83	19.901	7.7	-71	-1.5	24.8
11/11/04	07:00:52	24.91	256.088	255.656	249.09	-0.35	-17.7	96	48.77	19.831	7.7	-71.2	-3.4	6.1
11/11/04	07:30:52	25.51	253.174	255.656	244.91	-0.34	-16.4	96	48.76	19.888	7.7	-71.4	-1.9	51.3
11/11/04	08:00:52	23.8	261.647	255.656	257.15	-0.3	-15.5	96	48.67	19.643	7.71	-71.7	5.4	8.2
11/11/04	08:30:52	23.99	260.677	255.652	255.74	-0.29	-14.7	96	48.63	19.64	7.7	-71.2	4.7	22.3
11/11/04	09:00:52	24.33	258.982	255.652	253.28	-0.29	-14.8	96	48.69	19.712	7.71	-71.5	4.7	14.9
11/11/04	09:30:52	23.83	261.52	255.656	256.97	-0.25	-12.9	96	48.53	19.56	7.71	-71.6	2.8	3.9
11/11/04	10:00:52	25.26	254.372	255.656	246.62	-0.27	-13.2	96	48.42	19.663	7.69	-70.7	-2.9	15.8
11/11/04	10:30:52	24.72	257.047	255.652	250.48	-0.22	-11.2	96	48.43	19.607	7.7	-71	1.4	2
11/11/04	11:00:52	24.62	257.508	255.656	251.14	-0.23	-11.7	96	48.36	19.555	7.7	-71	-3.1	9.4
11/11/04	11:30:52	25.4	253.706	255.656	245.67	-0.24	-11.8	96	48.43	19.684	7.69	-70.6	-3.5	2.7
11/11/04	12:00:52	24.17	259.75	255.656	254.39	-0.2	-10.1	96	48.36	19.501	7.7	-70.8	-2	3.2
11/11/04	12:30:52	24.3	259.12	255.652	253.48	-0.21	-10.5	95	48.36	19.516	7.7	-71.3	4.5	39.9
11/11/04	13:00:52	23.9	261.147	255.652	256.42	-0.23	-11.9	95	48.35	19.464	7.7	-71.1	7.8	16
11/11/04	13:30:52	23.64	262.497	255.656	258.39	-0.22	-11.2	96	48.38	19.453	7.7	-71	16.9	7.6
11/11/04	14:00:52	25.4	253.711	255.652	245.68	-0.24	-11.8	96	48.48	19.711	7.68	-70.3	21.4	7.5
11/11/04	14:30:52	25.24	254.497	255.652	246.8	-0.24	-11.6	96	48.59	19.761	7.68	-70.3	53.2	5.3
11/11/04	15:00:52	25.37	253.869	255.656	245.9	-0.24	-12	96	48.53	19.741	7.69	-70.5	64.7	13.9
11/11/04	15:30:52	23.96	260.831	255.652	255.96	-0.24	-12.4	96	48.66	19.655	7.7	-70.9	89.5	11.8
11/11/04	16:00:52	24.81	256.561	255.648	249.77	-0.26	-12.9	96	48.67	19.76	7.69	-70.6	111.8	13.3
11/11/04	16:30:52	23.86	261.358	255.648	256.73	-0.24	-12.5	96	48.8	19.723	7.7	-70.8	124.2	13.5
11/11/04	17:00:52	23.67	262.309	255.652	258.12	-0.27	-14.2	96	48.88	19.75	7.7	-70.9	144.2	10.1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/11/04	17:30:52	25.28	254.311	255.652	246.54	-0.29	-14.4	97	48.93	19.966	7.69	-70.7	150.7	0.6
11/11/04	18:00:52	23.91	261.087	255.652	256.34	-0.28	-14.2	97	48.9	19.785	7.7	-71.2	179	12
11/11/04	18:30:52	25.31	254.125	255.652	246.27	-0.27	-13.1	97	48.96	19.984	7.68	-70.2	34	48.8
11/11/04	19:00:52	23.69	262.215	255.652	257.98	-0.28	-14.5	97	49.01	19.823	7.69	-70.6	146	50.8
11/11/04	19:30:52	25.04	255.444	255.652	248.16	-0.31	-15.2	97	49.08	20.025	7.69	-70.9	96.3	1
11/11/04	20:00:52	23.67	262.338	255.652	258.16	-0.28	-14.7	97	49.02	19.829	7.7	-70.9	39.4	22.7
11/11/04	20:30:52	24.38	258.703	255.652	252.87	-0.29	-14.7	97	49.12	19.974	7.69	-70.7	27.4	56.7
11/11/04	21:00:52	23.94	260.947	255.652	256.13	-0.27	-14.2	97	49.16	19.941	7.68	-70.1	18	34
11/11/04	21:30:52	24.48	258.232	255.656	252.19	-0.26	-13	97	49.14	19.995	7.69	-70.7	20.3	49.1
11/11/04	22:00:52	25.14	254.968	255.648	247.48	-0.24	-11.7	96	49.16	20.086	7.68	-70.4	9.5	42.6
11/11/04	22:30:52	23.64	262.446	255.652	258.32	-0.25	-12.8	96	49.16	19.906	7.69	-70.5	13.1	27.8
11/11/04	23:00:52	24.25	259.355	255.652	253.82	-0.25	-12.8	96	49.15	19.977	7.69	-70.5	6.7	24.7
11/11/04	23:30:52	24.22	259.53	255.652	254.07	-0.23	-11.9	96	49.13	19.957	7.69	-70.7	3.8	34
11/12/04	00:00:52	24.28	259.235	255.652	253.64	-0.25	-12.7	96	49.14	19.974	7.69	-70.8	2.8	51.2
11/12/04	00:30:52	23.63	262.535	255.656	258.45	-0.25	-12.9	96	49.17	19.912	7.69	-70.7	-2	32.6
11/12/04	01:00:52	24.3	259.107	255.648	253.46	-0.23	-11.8	96	49.1	19.951	7.69	-70.4	1.7	14.5
11/12/04	01:30:52	23.77	261.816	255.652	257.4	-0.23	-11.7	96	49.08	19.874	7.7	-70.9	1.4	77.7
11/12/04	02:00:52	24.73	256.975	255.652	250.37	-0.23	-11.4	96	49.08	19.987	7.69	-70.6	1.9	1.7
11/12/04	02:30:52	24.09	260.191	255.648	255.03	-0.23	-11.7	96	49.11	19.931	7.69	-70.4	-2.6	1
11/12/04	03:00:52	23.65	262.399	255.652	258.25	-0.22	-11.4	96	49.04	19.841	7.69	-70.6	-1.5	78.7
11/12/04	03:30:52	25.2	254.675	255.648	247.06	-0.22	-10.9	95	49.09	20.049	7.68	-70	-1.5	17.7
11/12/04	04:00:52	23.55	262.909	255.648	259	-0.22	-11.6	96	49	19.804	7.69	-70.4	3.2	52
11/12/04	04:30:52	23.67	262.291	255.648	258.09	-0.22	-11.6	96	49.05	19.845	7.7	-70.9	1.8	14.2
11/12/04	05:00:52	24.64	257.396	255.648	250.98	-0.24	-11.9	95	49	19.932	7.69	-70.5	0	83.7
11/12/04	05:30:52	24.81	256.588	255.648	249.81	-0.21	-10.7	96	48.92	19.908	7.69	-70.5	-1.8	27.6
11/12/04	06:00:52	23.89	261.181	255.645	256.47	-0.21	-10.7	96	48.89	19.782	7.69	-70.6	-0.2	40.3
11/12/04	06:30:52	23.74	261.967	255.648	257.62	-0.2	-10.5	95	48.85	19.738	7.7	-70.7	0.3	62.9
11/12/04	07:00:52	23.85	261.381	255.652	256.76	-0.21	-10.9	95	48.88	19.769	7.7	-70.9	2	1
11/12/04	07:30:52	24.21	259.59	255.648	254.16	-0.2	-10.2	95	48.86	19.799	7.68	-70.1	-2.3	31.1
11/12/04	08:00:52	24.76	256.817	255.652	250.14	-0.21	-10.6	95	48.78	19.817	7.7	-71	1	17
11/12/04	08:30:52	23.83	261.484	255.652	256.91	-0.2	-10.1	95	48.72	19.676	7.7	-71	0.9	1.2
11/12/04	09:00:52	25.56	252.939	255.648	244.57	-0.2	-9.6	95	48.65	19.831	7.69	-70.9	-0.3	23
11/12/04	09:30:52	23.66	262.371	255.648	258.21	-0.2	-10.6	95	48.58	19.568	7.69	-70.7	-2	75.9
11/12/04	10:00:52	24.65	257.369	255.648	250.94	-0.22	-10.9	95	48.47	19.623	7.69	-70.3	1.3	15.5
11/12/04	10:30:52	25.13	255.016	255.652	247.55	-0.21	-10.6	95	48.35	19.607	7.69	-70.4	-0.3	79.5
11/12/04	11:00:52	24.34	258.909	255.652	253.17	-0.2	-10.4	96	48.36	19.52	7.69	-70.7	-0.4	50.7
11/12/04	11:30:52	25.29	254.244	255.652	246.44	-0.19	-9.6	96	48.34	19.618	7.69	-70.7	2.9	210.4
11/12/04	12:00:52	23.77	261.788	255.652	257.36	-0.19	-10	95	48.24	19.384	7.69	-70.6	0.7	65.3
11/12/04	12:30:52	23.94	260.928	255.652	256.1	-0.21	-10.8	96	48.24	19.409	7.69	-70.6	-1.2	34.7
11/12/04	13:00:52	24.3	259.116	255.652	253.47	-0.2	-10.3	95	48.18	19.416	7.69	-70.4	4.6	84.9
11/12/04	13:30:52	24.22	259.507	255.652	254.04	-0.19	-9.8	96	48.29	19.468	7.69	-70.3	16	1.4
11/12/04	14:00:52	23.71	262.107	255.652	257.82	-0.18	-9.5	95	48.28	19.405	7.69	-70.5	21.8	1
11/12/04	14:30:52	25.54	253.034	255.652	244.71	-0.19	-9.5	96	48.31	19.629	7.68	-70.2	22	10.8
11/12/04	15:00:52	25.32	254.099	255.652	246.23	-0.21	-10.5	95	48.36	19.633	7.69	-70.7	68.8	14.5
11/12/04	15:30:52	24.04	260.445	255.652	255.4	-0.2	-10.1	95	48.33	19.47	7.69	-70.6	55.4	70.1
11/12/04	16:00:52	24.6	257.641	255.652	251.33	-0.21	-10.6	96	48.51	19.642	7.68	-70.3	71.8	80.5
11/12/04	16:30:52	23.65	262.422	255.656	258.28	-0.23	-12.2	96	48.57	19.564	7.69	-70.6	63.6	15.5
11/12/04	17:00:52	23.66	262.348	255.648	258.18	-0.26	-13.7	96	48.67	19.625	7.69	-70.7	161.2	4.5
11/12/04	17:30:52	24.65	257.355	255.652	250.92	-0.24	-11.9	96	48.72	19.769	7.69	-70.6	68.7	0.9
11/12/04	18:00:52	25.43	253.561	255.652	245.46	-0.19	-9.4	96	48.83	19.925	7.69	-70.5	52.1	1.7
11/12/04	18:30:52	24.21	259.576	255.652	254.14	-0.2	-10.3	97	48.85	19.796	7.69	-70.7	56.9	103.1
11/12/04	19:00:52	23.56	262.881	255.648	258.95	-0.24	-12.5	96	49.01	19.81	7.69	-70.3	50	36.9
11/12/04	19:30:52	24.57	257.754	255.652	251.5	-0.25	-12.4	96	49.02	19.935	7.68	-70	130.5	1.3
11/12/04	20:00:52	24.69	257.196	255.652	250.69	-0.27	-13.7	96	49.09	19.991	7.68	-70.3	45.3	35.5
11/12/04	20:30:52	24.48	258.206	255.648	252.15	-0.25	-12.8	96	49.23	20.049	7.68	-70.3	38.8	1.5
11/12/04	21:00:52	24.53	257.959	255.648	251.79	-0.3	-15	96	49.32	20.106	7.68	-70.3	38.6	155.8
11/12/04	21:30:52	24.28	259.231	255.648	253.64	-0.28	-14.1	96	49.21	20.01	7.68	-70.3	23	161.9
11/12/04	22:00:52	25.39	253.751	255.648	245.73	-0.28	-13.8	95	49.37	20.236	7.67	-69.6	18.2	1.7
11/12/04	22:30:52	24.7	257.134	255.645	250.6	-0.25	-12.8	95	49.21	20.06	7.68	-69.9	12.7	33.9
11/12/04	23:00:52	24.66	257.311	255.645	250.86	-0.24	-11.9	95	49.3	20.11	7.68	-70.1	3.8	55
11/12/04	23:30:52	23.57	262.834	255.648	258.89	-0.25	-12.9	96	49.35	20.006	7.68	-70.1	0.1	5.6
11/13/04	00:00:52	24.16	259.825	255.652	254.5	-0.23	-11.9	95	49.35	20.082	7.69	-70.4	0.8	9.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/13/04	00:30:52	23.45	263.426	255.648	259.75	-0.25	-12.9	95	49.27	19.948	7.69	-70.4	-0.4	3.9
11/13/04	01:00:52	23.51	263.113	255.648	259.29	-0.24	-12.6	95	49.28	19.963	7.68	-70	0.2	6
11/13/04	01:30:52	23.53	263.042	255.645	259.19	-0.25	-13.2	95	49.25	19.948	7.68	-69.8	-0.5	6.4
11/13/04	02:00:52	23.45	263.449	255.648	259.79	-0.24	-12.5	95	49.25	19.935	7.68	-70.1	-1	8.3
11/13/04	02:30:52	24.36	258.827	255.648	253.05	-0.24	-12	95	49.25	20.045	7.68	-70.3	0.9	15.5
11/13/04	03:00:52	23.37	263.878	255.645	260.41	-0.22	-11.8	95	49.29	19.949	7.68	-70.1	0	10
11/13/04	03:30:52	23.82	261.523	255.645	256.97	-0.22	-11.4	95	49.24	19.973	7.68	-70.1	0.6	7.8
11/13/04	04:00:52	23.75	261.883	255.645	257.5	-0.22	-11.4	95	49.23	19.962	7.68	-70.1	0.2	13.9
11/13/04	04:30:52	24.17	259.752	255.645	254.39	-0.22	-11.3	94	49.15	19.963	7.68	-69.8	0.6	5.1
11/13/04	05:00:52	24.78	256.719	255.645	250	-0.23	-11.4	95	49.17	20.051	7.67	-69.6	0.7	10.2
11/13/04	05:30:52	24.76	256.836	255.645	250.17	-0.21	-10.6	95	49.05	19.977	7.68	-69.9	0.3	5.6
11/13/04	06:00:52	23.49	263.232	255.645	259.47	-0.21	-11.2	95	49.09	19.847	7.68	-70.1	0.6	6.7
11/13/04	06:30:52	23.46	263.407	255.645	259.72	-0.21	-11.1	95	48.92	19.746	7.68	-70.1	-0.6	14.1
11/13/04	07:00:52	25.43	253.553	255.645	245.45	-0.2	-9.8	95	48.93	19.984	7.68	-70.1	-0.1	3.2
11/13/04	07:30:52	25.29	254.237	255.645	246.43	-0.2	-9.9	95	48.89	19.94	7.68	-70.1	0.2	3.9
11/13/04	08:00:52	23.47	263.337	255.641	259.62	-0.22	-11.3	95	48.86	19.712	7.68	-69.8	0.2	11.8
11/13/04	08:30:52	24.37	258.741	255.645	252.93	-0.21	-10.5	94	48.74	19.752	7.68	-70.1	0.7	6.9
11/13/04	09:00:52	23.54	262.963	255.641	259.07	-0.21	-10.8	94	48.68	19.617	7.68	-70.1	0.4	11.1
11/13/04	09:30:52	23.38	263.817	255.641	260.32	-0.21	-10.8	95	48.6	19.55	7.69	-70.1	-0.7	4.6
11/13/04	10:00:52	24.52	258.019	255.645	251.88	-0.19	-9.5	95	48.53	19.644	7.68	-70.1	-0.5	3.1
11/13/04	10:30:52	23.24	264.527	255.645	261.37	-0.2	-10.3	95	48.43	19.436	7.69	-70.1	0.5	5.5
11/13/04	11:00:52	23.44	263.47	255.641	259.82	-0.19	-10.2	95	48.4	19.441	7.68	-69.9	3	3.4
11/13/04	11:30:52	23.85	261.369	255.641	256.75	-0.2	-10.5	95	48.34	19.457	7.68	-70.1	2.5	3.9
11/13/04	12:00:52	23.59	262.735	255.645	258.74	-0.21	-10.9	95	48.28	19.386	7.68	-70.1	2.9	10.8
11/13/04	12:30:52	24.97	255.808	255.641	248.69	-0.2	-10.1	95	48.22	19.513	7.68	-69.9	0.6	12
11/13/04	13:00:52	23.46	263.365	255.641	259.66	0.03	1.8	98	48.15	19.297	7.69	-70.4	5.3	2
11/13/04	13:30:52	25.28	254.29	255.641	246.51	0.17	8.3	99	48.17	19.521	7.68	-70.4	12.8	1.6
11/13/04	14:00:52	23.34	264.003	255.641	260.6	0.06	3.1	99	48.08	19.244	7.69	-70.6	14.8	4.5
11/13/04	14:30:52	24.19	259.647	255.641	254.24	-0.04	-2.1	99	48.14	19.377	7.69	-70.4	29.3	2.8
11/13/04	15:00:52	24.65	257.37	255.641	250.94	-0.11	-5.4	99	48.2	19.463	7.69	-70.4	53.4	1.7
11/13/04	15:30:52	23.62	262.561	255.641	258.49	-0.18	-9.1	99	48.17	19.325	7.69	-70.6	49.7	4.5
11/13/04	16:00:52	24.29	259.159	255.641	253.53	-0.18	-8.9	99	48.31	19.485	7.69	-70.4	25.2	9.9
11/13/04	16:30:52	25.17	254.839	255.645	247.3	-0.24	-11.7	99	48.34	19.604	7.69	-70.5	35.1	4.7
11/13/04	17:00:52	23.31	264.193	255.641	260.88	-0.23	-12.1	98	48.39	19.421	7.69	-70.6	43.8	4.8
11/13/04	17:30:52	25.34	253.999	255.637	246.09	-0.3	-14.8	98	48.47	19.699	7.69	-70.5	64.2	4.9
11/13/04	18:00:52	24.28	259.223	255.645	253.62	-0.3	-15.2	98	48.57	19.64	7.69	-70.6	54	5.4
11/13/04	18:30:52	25.4	253.698	255.645	245.66	-0.33	-16.3	98	48.67	19.826	7.68	-70.4	60.7	3.9
11/13/04	19:00:52	23.71	262.095	255.645	257.81	-0.31	-16.1	98	48.73	19.665	7.69	-70.6	49.7	18.2
11/13/04	19:30:52	24.35	258.873	255.648	253.12	-0.32	-16.1	99	48.87	19.825	7.69	-70.7	44.4	4
11/13/04	20:00:52	23.71	262.099	255.648	257.81	-0.27	-14.1	98	48.93	19.782	7.69	-70.4	18.7	4.7
11/13/04	20:30:52	23.69	262.197	255.648	257.96	-0.3	-15.8	98	48.98	19.81	7.68	-70.1	23.8	4.5
11/13/04	21:00:52	23.6	262.683	255.645	258.67	-0.32	-16.5	98	49.06	19.841	7.68	-69.8	17.7	9.3
11/13/04	21:30:52	25.56	252.93	255.645	244.56	-0.37	-18.2	97	49.16	20.129	7.68	-69.9	21	5.2
11/13/04	22:00:52	24.91	256.106	255.652	249.12	-0.36	-17.8	98	49.18	20.068	7.69	-70.4	14.9	16.4
11/13/04	22:30:52	23.95	260.901	255.648	256.06	-0.32	-16.7	97	49.25	19.994	7.68	-70	6.5	24.4
11/13/04	23:00:52	25.41	253.658	255.648	245.6	-0.33	-16	97	49.24	20.16	7.69	-70.5	6.8	2.6
11/13/04	23:30:52	23.74	261.976	255.648	257.63	-0.38	-19.8	96	49.29	19.997	7.68	-69.9	0.7	15
11/14/04	00:00:52	25.47	253.395	255.648	245.22	-0.42	-20.5	95	49.3	20.204	7.67	-69.5	0.4	5.4
11/14/04	00:30:52	25.09	255.204	255.648	247.82	-0.43	-21.1	94	49.27	20.145	7.67	-69.6	-0.3	17.7
11/14/04	01:00:52	23.63	262.518	255.645	258.42	-0.39	-20	94	49.28	19.974	7.68	-70.1	2.3	13.2
11/14/04	01:30:52	25.09	255.217	255.648	247.84	-0.35	-17.5	93	49.31	20.165	7.67	-69.8	-2.2	8
11/14/04	02:00:52	24.42	258.526	255.645	252.61	-0.3	-15.1	93	49.32	20.096	7.67	-69.7	0.9	13.7
11/14/04	02:30:52	24.37	258.773	255.645	252.97	-0.24	-12.2	94	49.31	20.083	7.67	-69.3	-0.8	10.3
11/14/04	03:00:52	25.1	255.177	255.645	247.78	-0.19	-9.2	93	49.31	20.167	7.66	-69.2	0.4	20.7
11/14/04	03:30:52	23.32	264.121	255.645	260.77	-0.2	-10.4	94	49.31	19.953	7.68	-69.6	-0	10.1
11/14/04	04:00:52	23.55	262.92	255.641	259.01	-0.18	-9.3	94	49.23	19.937	7.67	-69.5	3.5	14
11/14/04	04:30:52	23.55	262.926	255.637	259.02	-0.16	-8.2	93	49.25	19.948	7.67	-69.3	-0.3	18.1
11/14/04	05:00:52	24.08	260.229	255.641	255.09	-0.14	-7.4	93	49.19	19.976	7.67	-69.3	1.3	14.4
11/14/04	05:30:52	23.9	261.127	255.637	256.39	-0.13	-6.7	93	49.18	19.948	7.67	-69.2	1.4	14.1
11/14/04	06:00:52	23.28	264.338	255.633	261.09	-0.09	-4.7	94	49.14	19.849	7.67	-69.3	-0	22.1
11/14/04	06:30:52	24.92	256.05	255.637	249.04	-0.1	-4.7	93	49.12	20.033	7.67	-69.5	1	15.7
11/14/04	07:00:52	23.55	262.936	255.633	259.03	-0.08	-4.4	93	49.08	19.849	7.67	-69.5	2.1	25.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/14/04	07:30:52	24.67	257.249	255.637	250.77	-0.08	-4.1	94	48.98	19.925	7.67	-69.5	0.9	17.5
11/14/04	08:00:52	23.31	264.185	255.633	260.87	-0.07	-3.9	93	48.94	19.74	7.67	-69.3	-0.5	24.9
11/14/04	08:30:52	25.28	254.281	255.641	246.49	-0.04	-2	94	48.91	19.956	7.67	-69.6	-1.5	11.2
11/14/04	09:00:52	24.52	258.02	255.641	251.88	-0.03	-1.6	93	48.82	19.813	7.67	-69.3	0.4	18.8
11/14/04	09:30:52	25.26	254.357	255.641	246.6	-0.02	-0.9	93	48.74	19.852	7.66	-69.2	-0.8	16.7
11/14/04	10:00:52	24.55	257.861	255.637	251.65	-0.04	-2.2	93	48.64	19.713	7.66	-68.8	0.5	17.2
11/14/04	10:30:52	23.43	263.522	255.641	259.89	-0.04	-2.2	93	48.6	19.556	7.66	-68.8	1.1	18.4
11/14/04	11:00:52	24.19	259.67	255.637	254.27	-0.03	-1.7	93	48.48	19.574	7.66	-69.1	0.9	23
11/14/04	11:30:52	24.39	258.673	255.641	252.83	-0.05	-2.6	93	48.39	19.547	7.66	-69.2	-0.9	18.1
11/14/04	12:00:52	23.16	264.946	255.637	261.98	-0.01	-0.7	93	48.33	19.365	7.67	-69	0.3	17
11/14/04	12:30:52	24.07	260.258	255.637	255.13	-0.06	-3.1	93	48.26	19.432	7.66	-69	-0.4	22.5
11/14/04	13:00:52	24	260.596	255.637	255.62	-0.07	-3.4	93	48.19	19.384	7.66	-68.9	4.2	18.4
11/14/04	13:30:52	23.92	261.002	255.633	256.21	-0.09	-4.8	93	48.17	19.363	7.66	-69	7	22.2
11/14/04	14:00:52	23.94	260.913	255.633	256.08	-0.08	-3.9	93	48.14	19.348	7.66	-68.9	17.2	20.9
11/14/04	14:30:52	23.94	260.932	255.633	256.11	-0.12	-5.9	92	48.12	19.336	7.66	-68.8	29.4	23.3
11/14/04	15:00:52	23.17	264.904	255.629	261.92	-0.14	-7.4	93	48.12	19.247	7.67	-69.3	63.3	20.5
11/14/04	15:30:52	23.7	262.162	255.637	257.9	-0.16	-8.5	94	48.14	19.32	7.66	-68.8	35.8	21.3
11/14/04	16:00:52	23.26	264.405	255.633	261.19	-0.17	-8.8	93	48.17	19.284	7.67	-69.4	103.4	25.8
11/14/04	16:30:52	23.99	260.643	255.633	255.69	-0.16	-8.4	93	48.2	19.388	7.66	-69	82	20
11/14/04	17:00:52	24	260.597	255.633	255.62	-0.17	-8.5	94	48.29	19.441	7.66	-68.9	42.6	17.5
11/14/04	17:30:52	23.99	260.667	255.633	255.72	-0.16	-8.3	94	48.39	19.498	7.66	-68.9	39.5	14.1
11/14/04	18:00:52	23.97	260.764	255.637	255.86	-0.17	-8.6	94	48.41	19.51	7.66	-68.7	54.6	15.1
11/14/04	18:30:52	23.96	260.811	255.633	255.93	-0.15	-7.7	93	48.53	19.579	7.66	-68.7	40.2	13.2
11/14/04	19:00:52	23.97	260.778	255.633	255.89	-0.2	-10.3	94	48.62	19.63	7.66	-68.8	110.2	15.3
11/14/04	19:30:52	23.1	265.269	255.633	262.46	-0.19	-10.2	93	48.71	19.579	7.67	-69	50.4	17.5
11/14/04	20:00:52	23.94	260.922	255.637	256.09	-0.22	-11.4	94	48.76	19.709	7.66	-69	53.4	22.4
11/14/04	20:30:52	24.1	260.128	255.637	254.94	-0.2	-10.5	94	48.85	19.784	7.66	-68.8	35.1	58.4
11/14/04	21:00:52	23.87	261.286	255.633	256.63	-0.21	-10.6	93	48.97	19.826	7.66	-68.8	35	38.6
11/14/04	21:30:52	23.69	262.214	255.633	257.98	-0.19	-9.9	93	49.09	19.87	7.66	-68.7	18.2	19.8
11/14/04	22:00:52	23.95	260.89	255.633	256.05	-0.19	-9.6	93	49.14	19.934	7.66	-68.7	10.3	56.3
11/14/04	22:30:52	23.23	264.578	255.629	261.44	-0.2	-10.5	93	49.19	19.873	7.66	-68.7	8.7	31.4
11/14/04	23:00:52	23.01	265.708	255.629	263.1	-0.18	-9.7	93	49.26	19.887	7.66	-68.7	2.7	20.4
11/14/04	23:30:52	23.66	262.323	255.629	258.14	-0.17	-8.9	93	49.29	19.985	7.66	-68.8	0.8	28.3
11/15/04	00:00:52	23.67	262.309	255.629	258.12	-0.17	-9	93	49.32	20.006	7.65	-68.5	-0.1	29.7
11/15/04	00:30:52	23.92	261.03	255.629	256.25	-0.17	-8.9	93	49.35	20.053	7.66	-68.6	0.5	24.9
11/15/04	01:00:52	23.95	260.848	255.633	255.99	-0.16	-8.4	93	49.37	20.066	7.66	-68.5	0.5	29.2
11/15/04	01:30:52	23.98	260.699	255.633	255.77	-0.15	-7.6	92	49.39	20.083	7.66	-68.9	0.4	45
11/15/04	02:00:52	23.92	261.039	255.633	256.27	-0.15	-7.9	92	49.33	20.043	7.66	-69	-0.6	106.3
11/15/04	02:30:52	23.84	261.417	255.633	256.82	-0.16	-8.5	93	49.37	20.056	7.66	-68.8	0.5	54.8
11/15/04	03:00:52	23.95	260.89	255.633	256.05	-0.14	-7.4	93	49.36	20.06	7.66	-68.7	1	29.7
11/15/04	03:30:52	24.1	260.101	255.633	254.9	-0.14	-7	93	49.32	20.059	7.66	-68.7	0.7	38.9
11/15/04	04:00:52	23.95	260.848	255.633	255.99	-0.15	-7.9	93	49.35	20.058	7.65	-68.4	1.5	38.4
11/15/04	04:30:52	23.82	261.529	255.633	256.98	-0.14	-7.2	92	49.28	19.996	7.66	-68.7	0.6	34.9
11/15/04	05:00:52	23.95	260.862	255.633	256.01	-0.12	-6.2	93	49.27	20.009	7.66	-68.7	-0.5	28.9
11/15/04	05:30:52	23.95	260.853	255.633	255.99	-0.12	-6.4	93	49.25	19.999	7.66	-68.7	0	41.9
11/15/04	06:00:52	23.93	260.988	255.633	256.19	-0.14	-7.2	92	49.23	19.981	7.66	-68.7	-0.2	32.1
11/15/04	06:30:52	24.02	260.532	255.633	255.53	-0.16	-8.4	92	49.15	19.949	7.65	-68.4	-0.1	31.7
11/15/04	07:00:52	24	260.592	255.633	255.61	-0.17	-8.6	93	49.17	19.956	7.65	-68.4	-0.7	44.1
11/15/04	07:30:52	23.83	261.501	255.633	256.94	-0.16	-8	92	49.1	19.896	7.66	-68.5	1.4	36.6
11/15/04	08:00:52	24	260.611	255.633	255.64	-0.17	-8.6	93	49.04	19.88	7.66	-68.7	-0.9	29.9
11/15/04	08:30:52	23.71	262.068	255.633	257.77	-0.16	-8.2	94	49.01	19.831	7.66	-68.7	0.3	24.1
11/15/04	09:00:52	23.75	261.862	255.633	257.47	-0.18	-9.2	93	48.91	19.778	7.66	-68.8	0.2	25.8
11/15/04	09:30:52	23.86	261.346	255.637	256.71	-0.17	-8.6	92	48.84	19.75	7.65	-68.4	0.5	27.8
11/15/04	10:00:52	24.24	259.422	255.633	253.91	-0.17	-8.7	93	48.82	19.778	7.66	-68.8	1.4	23.8
11/15/04	10:30:52	23.8	261.609	255.633	257.1	-0.18	-9.5	92	48.75	19.689	7.66	-68.8	0.9	20.5
11/15/04	11:00:52	23.82	261.548	255.633	257.01	-0.18	-9.6	93	48.64	19.623	7.66	-68.7	1.3	30
11/15/04	11:30:52	23.85	261.394	255.633	256.78	-0.18	-9.4	93	48.56	19.581	7.66	-68.8	0.1	21.2
11/15/04	12:00:52	23.99	260.676	255.633	255.74	-0.19	-9.9	93	48.46	19.543	7.66	-68.8	-0.1	41.2
11/15/04	12:30:52	23.75	261.895	255.633	257.51	-0.18	-9.6	93	48.38	19.467	7.66	-68.8	0.9	27.7
11/15/04	13:00:52	24.04	260.387	255.637	255.32	-0.2	-10.4	93	48.42	19.523	7.66	-69	3.4	35.7
11/15/04	13:30:52	23.31	264.175	255.637	260.85	-0.2	-10.6	93	48.28	19.357	7.66	-68.8	10	20.6
11/15/04	14:00:52	24.04	260.434	255.637	255.38	-0.21	-10.7	92	48.3	19.455	7.66	-68.5	24.6	15.1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/15/04	14:30:52	23.87	261.258	255.637	256.58	-0.22	-11.2	93	48.24	19.398	7.66	-68.6	23	25.8
11/15/04	15:00:52	24.67	257.276	255.637	250.81	-0.24	-12	93	48.25	19.497	7.66	-68.7	45.3	30.5
11/15/04	15:30:52	24.04	260.401	255.637	255.34	-0.24	-12.1	93	48.27	19.436	7.66	-68.7	47.2	18.1
11/15/04	16:00:52	24.41	258.573	255.637	252.68	-0.25	-12.6	94	48.2	19.435	7.66	-68.8	68.1	21.1
11/15/04	16:30:52	24.02	260.509	255.633	255.49	-0.22	-11.5	93	48.24	19.417	7.66	-68.7	59.8	21.5
11/15/04	17:00:52	23.56	262.884	255.633	258.96	-0.25	-12.8	93	48.24	19.358	7.66	-68.7	43.3	16.6
11/15/04	17:30:52	23.99	260.671	255.637	255.73	-0.25	-12.7	93	48.32	19.459	7.65	-68.2	35.5	20.9
11/15/04	18:00:52	24.43	258.454	255.637	252.51	-0.25	-12.5	93	48.48	19.604	7.65	-68.2	30.9	19.5
11/15/04	18:30:52	23.88	261.215	255.637	256.52	-0.26	-13.2	93	48.4	19.496	7.65	-68.1	37.2	17.8
11/15/04	19:00:52	24.13	259.975	255.637	254.72	-0.23	-11.8	93	48.48	19.567	7.65	-68.4	34.2	16.2
11/15/04	19:30:52	23.4	263.684	255.641	260.13	-0.22	-11.6	94	48.52	19.507	7.65	-68.2	31.5	12.5
11/15/04	20:00:52	23.83	261.458	255.637	256.88	-0.23	-12	94	48.77	19.703	7.65	-68.4	18.3	10.3
11/15/04	20:30:52	24.37	258.769	255.641	252.97	-0.2	-10.1	94	48.82	19.797	7.64	-67.9	9.9	7.7
11/15/04	21:00:52	24.1	260.128	255.637	254.94	-0.22	-11.3	93	48.93	19.829	7.65	-68.2	8.5	7.2
11/15/04	21:30:52	24.16	259.808	255.641	254.47	-0.17	-8.9	94	48.96	19.854	7.65	-68.1	3.5	9.7
11/15/04	22:00:52	24.62	257.497	255.641	251.13	-0.17	-8.8	93	49.04	19.957	7.64	-67.7	2.3	9.2
11/15/04	22:30:52	24.12	259.993	255.641	254.74	-0.18	-9	94	49.08	19.921	7.65	-68.1	1	11.6
11/15/04	23:00:52	24.18	259.703	255.637	254.32	-0.15	-7.5	93	49.22	20.009	7.65	-68.4	1	11.9
11/15/04	23:30:52	24.18	259.726	255.637	254.36	-0.16	-8.2	93	49.24	20.021	7.65	-68.4	0.5	14.7
11/16/04	00:00:52	23.99	260.652	255.637	255.7	-0.15	-7.7	93	49.43	20.108	7.65	-68.2	0.4	11.2
11/16/04	00:30:52	23.53	263.035	255.633	259.18	-0.16	-8.3	93	49.31	19.981	7.65	-68	0.4	9
11/16/04	01:00:52	23.81	261.57	255.641	257.04	-0.15	-7.8	93	49.47	20.108	7.64	-67.9	0.1	12.8
11/16/04	01:30:52	24.11	260.039	255.641	254.81	-0.13	-6.7	93	49.47	20.147	7.65	-68.2	1.4	10.3
11/16/04	02:00:52	23.96	260.833	255.641	255.97	-0.15	-7.5	93	49.36	20.065	7.65	-68.3	0.3	9
11/16/04	02:30:52	23.41	263.665	255.641	260.1	-0.17	-9.2	93	49.44	20.039	7.65	-68.1	-0.1	8.3
11/16/04	03:00:52	24.01	260.577	255.641	255.59	-0.18	-9.2	93	49.53	20.17	7.65	-68.3	-0.4	10.3
11/16/04	03:30:52	24.07	260.239	255.637	255.1	-0.19	-9.7	93	49.46	20.133	7.64	-67.8	0.5	13.9
11/16/04	04:00:52	23.96	260.819	255.641	255.94	-0.19	-9.5	92	49.41	20.093	7.64	-67.9	0.6	10.9
11/16/04	04:30:52	24.14	259.887	255.641	254.59	-0.19	-9.5	94	49.46	20.142	7.64	-67.8	-0.4	11.9
11/16/04	05:00:52	24.07	260.253	255.637	255.12	-0.17	-8.5	93	49.4	20.099	7.64	-68	0.7	9
11/16/04	05:30:52	24.04	260.387	255.637	255.32	-0.15	-7.6	93	49.38	20.085	7.65	-68.2	1.3	11.5
11/16/04	06:00:52	24.61	257.561	255.637	251.22	-0.18	-9.1	93	49.37	20.146	7.64	-68	0.9	7.6
11/16/04	06:30:52	24.1	260.132	255.637	254.95	-0.17	-8.5	94	49.36	20.079	7.64	-67.6	-0.1	8.7
11/16/04	07:00:52	24.09	260.174	255.637	255.01	-0.18	-9.1	93	49.28	20.032	7.64	-67.9	-0.1	14
11/16/04	07:30:52	23.34	264.022	255.637	260.63	-0.19	-10.1	93	49.72	20.198	7.65	-67.9	-0	12.2
11/16/04	08:00:52	24.15	259.846	255.637	254.53	-0.15	-7.8	93	49.91	20.409	7.63	-67.4	1.1	16.4
11/16/04	08:30:52	24.06	260.285	255.637	255.17	-0.15	-7.7	93	49.26	20.017	7.64	-67.7	-0.6	17.3
11/16/04	09:00:52	24.17	259.731	255.633	254.36	-0.16	-8.2	93	48.38	19.516	7.64	-67.6	0.7	13.3
11/16/04	09:30:52	23.2	264.726	255.633	261.66	-0.13	-7.1	93	49.16	19.853	7.63	-67	-0.2	10.3
11/16/04	10:00:52	24.06	260.322	255.637	255.22	-0.16	-8.4	93	49.06	19.898	7.64	-67.4	0.1	14.5
11/16/04	10:30:52	23.92	261.03	255.633	256.25	-0.2	-10.4	93	48.91	19.795	7.64	-67.8	0.4	11.4
11/16/04	11:00:52	23.13	265.085	255.637	262.19	-0.22	-11.5	93	48.65	19.547	7.65	-68.1	0.6	12.7
11/16/04	11:30:52	23.58	262.756	255.633	258.77	-0.15	-7.6	93	48.52	19.526	7.64	-67.4	1.2	17.5
11/16/04	12:00:52	24.23	259.445	255.637	253.95	-0.15	-7.9	93	48.73	19.726	7.63	-67	0.5	9.5
11/16/04	12:30:52	23.29	264.271	255.637	260.99	-0.17	-8.8	93	48.45	19.45	7.64	-67.4	0.6	8.7
11/16/04	13:00:52	24.44	258.394	255.637	252.42	-0.17	-8.7	93	48.62	19.685	7.63	-67.3	1.1	9.5
11/16/04	13:30:52	24.4	258.623	255.637	252.76	-0.19	-9.7	93	48.43	19.568	7.63	-67	7.6	7.3
11/16/04	14:00:52	23.21	264.673	255.637	261.58	-0.2	-10.6	93	48.4	19.412	7.64	-67.4	13.1	5.6
11/16/04	14:30:52	23.14	265.043	255.633	262.12	-0.17	-8.9	93	48.41	19.408	7.63	-67.2	4.7	9.8
11/16/04	15:00:52	24.06	260.309	255.637	255.2	-0.18	-9.1	93	48.11	19.345	7.63	-67	33.2	14.6
11/16/04	15:30:52	24.59	257.657	255.637	251.36	-0.19	-9.6	93	48.27	19.498	7.63	-67	29.5	4.3
11/16/04	16:00:52	24.26	259.311	255.637	253.75	-0.23	-11.7	94	48.27	19.459	7.64	-67.7	43.4	8.4
11/16/04	16:30:52	23.88	261.248	255.637	256.57	-0.23	-11.7	93	48	19.257	7.64	-67.4	38.5	9.7
11/16/04	17:00:52	24.08	260.184	255.633	255.02	-0.27	-13.9	94	48.24	19.424	7.64	-67.7	46.7	19.1
11/16/04	17:30:52	24.59	257.661	255.637	251.36	-0.24	-12	94	48.29	19.513	7.64	-67.7	56.7	16.3
11/16/04	18:00:52	23.97	260.745	255.637	255.84	-0.27	-13.6	95	47.41	18.928	7.63	-67.4	112.5	6.8
11/16/04	18:30:52	23.54	262.987	255.637	259.11	-0.22	-11.5	94	48.14	19.299	7.64	-67.6	96.8	5.1
11/16/04	19:00:52	24.25	259.353	255.633	253.81	-0.28	-14	94	48.19	19.415	7.64	-67.6	88.9	14.6
11/16/04	19:30:52	23.92	261.043	255.637	256.27	-0.23	-12.1	95	48.09	19.317	7.63	-67.2	44.9	13.7
11/16/04	20:00:52	23.67	262.275	255.637	258.07	-0.27	-14.1	95	48.44	19.493	7.64	-67.5	42.2	10.7
11/16/04	20:30:52	23.11	265.186	255.637	262.33	-0.31	-16.3	94	49.42	19.992	7.64	-67.7	40	18.3
11/16/04	21:00:52	24.66	257.326	255.637	250.88	-0.32	-16.1	94	48.55	19.669	7.63	-67.4	21	12.8

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/16/04	21:30:52	24.97	255.763	255.641	248.62	-0.31	-15.7	94	48.14	19.465	7.64	-67.7	16.3	16.2
11/16/04	22:00:52	24.9	256.14	255.637	249.17	-0.31	-15.5	94	48.76	19.819	7.63	-67.3	16.5	10.3
11/16/04	22:30:52	23.15	264.98	255.637	262.03	-0.3	-16	94	48.84	19.66	7.64	-67.6	12.7	9.1
11/16/04	23:00:52	23.05	265.519	255.637	262.82	-0.29	-15.4	94	49.01	19.746	7.64	-67.4	4	2
11/16/04	23:30:52	23.14	265.056	255.637	262.14	-0.31	-16.2	94	49.16	19.847	7.64	-67.6	0	11.7
11/17/04	00:00:52	23.85	261.398	255.633	256.79	-0.31	-15.9	94	49.22	19.968	7.63	-67.4	-2.9	4.9
11/17/04	00:30:52	22.94	266.113	255.637	263.7	-0.29	-15.5	94	49.29	19.898	7.64	-67.3	1.1	8.4
11/17/04	01:00:52	25.06	255.34	255.633	248.01	-0.27	-13.4	93	49.13	20.059	7.63	-67.3	2	15.8
11/17/04	01:30:52	24.22	259.5	255.637	254.03	-0.29	-14.7	94	49.33	20.075	7.63	-67.1	0.5	7.6
11/17/04	02:00:52	25.14	254.943	255.637	247.44	-0.27	-13.3	94	49.3	20.167	7.64	-67.7	0.2	22.5
11/17/04	02:30:52	24.24	259.403	255.637	253.89	-0.27	-13.7	94	49.4	20.117	7.63	-67.3	0.1	10.3
11/17/04	03:00:52	23.35	263.951	255.637	260.52	-0.25	-13.2	94	49.37	19.995	7.64	-67.7	-0.2	19.8
11/17/04	03:30:52	25.14	254.961	255.633	247.47	-0.26	-13.1	94	49.52	20.293	7.64	-67.6	0.2	3.6
11/17/04	04:00:52	23.07	265.427	255.637	262.69	-0.27	-14.5	93	49.49	20.028	7.64	-67.6	0.6	11.9
11/17/04	04:30:52	25.09	255.206	255.633	247.82	-0.28	-14	93	49.39	20.215	7.64	-67.6	0.2	5.7
11/17/04	05:00:52	24.67	257.249	255.637	250.77	-0.3	-15.1	94	49.49	20.224	7.64	-67.7	-0.2	16.4
11/17/04	05:30:52	24.91	256.059	255.637	249.05	-0.29	-14.4	93	49.55	20.287	7.64	-67.6	0.5	4.6
11/17/04	06:00:52	23.46	263.362	255.633	259.66	-0.29	-15.2	93	49.38	20.011	7.63	-67.3	0.6	22.6
11/17/04	06:30:52	25.15	254.912	255.637	247.4	-0.31	-15.2	93	49.32	20.181	7.64	-67.7	-0.4	23.5
11/17/04	07:00:52	23.31	264.17	255.637	260.84	-0.27	-14.4	94	49.39	19.999	7.64	-67.7	1.2	6.7
11/17/04	07:30:52	24.28	259.182	255.637	253.57	-0.29	-14.9	93	49.34	20.088	7.64	-67.7	-0.3	15.5
11/17/04	08:00:52	23.09	265.303	255.633	262.51	-0.29	-15.5	94	49.25	19.893	7.64	-67.3	4.2	15.2
11/17/04	08:30:52	23.04	265.557	255.637	262.88	-0.3	-16	93	49.13	19.813	7.64	-67.5	1.2	21.9
11/17/04	09:00:52	25.15	254.886	255.633	247.36	-0.27	-13.4	93	49.12	20.064	7.62	-66.8	-0.1	14.6
11/17/04	09:30:52	23.64	262.477	255.637	258.36	-0.28	-14.5	93	49.1	19.874	7.63	-67.2	0.4	7.5
11/17/04	10:00:52	24.78	256.734	255.637	250.02	-0.3	-14.9	94	49.09	20.003	7.63	-67.4	-0.1	22.5
11/17/04	10:30:52	23.75	261.908	255.637	257.53	-0.28	-14.6	93	49.45	20.092	7.62	-66.8	0.1	20.8
11/17/04	11:00:52	24.3	259.1	255.637	253.45	-0.31	-15.6	93	49	19.895	7.63	-67.2	1.5	11.1
11/17/04	11:30:52	23.63	262.501	255.637	258.4	-0.28	-14.3	93	48.9	19.752	7.63	-67.1	0.9	6.3
11/17/04	12:00:52	23.04	265.553	255.633	262.87	-0.26	-13.9	93	48.77	19.609	7.63	-67.2	0.3	17.4
11/17/04	12:30:52	24.64	257.394	255.637	250.98	-0.26	-13	93	48.7	19.755	7.63	-67	0.3	20.9
11/17/04	13:00:52	24.46	258.281	255.633	252.26	-0.25	-12.6	93	48.65	19.705	7.62	-66.8	0.6	14.5
11/17/04	13:30:52	23.16	264.946	255.637	261.98	-0.26	-13.9	93	48.7	19.579	7.63	-66.9	1.3	16.1
11/17/04	14:00:52	23.84	261.408	255.633	256.8	-0.26	-13.4	93	48.47	19.527	7.62	-66.6	2.2	5.9
11/17/04	14:30:52	23.88	261.24	255.633	256.56	-0.24	-12.6	93	48.52	19.561	7.61	-66.3	4.5	4.5
11/17/04	15:00:52	25.02	255.514	255.633	248.26	-0.27	-13.5	94	48.5	19.681	7.62	-66.7	10.1	12.3
11/17/04	15:30:52	23.36	263.875	255.633	260.41	-0.28	-14.9	93	48.31	19.379	7.62	-66.3	16.2	23.5
11/17/04	16:00:52	23.39	263.746	255.637	260.22	-0.3	-15.9	93	48.31	19.381	7.62	-66.7	33.3	17.2
11/17/04	16:30:52	23.98	260.704	255.633	255.78	-0.3	-15.5	93	48.41	19.508	7.62	-66.3	22.9	20.6
11/17/04	17:00:52	23.89	261.188	255.633	256.48	-0.3	-15.4	94	48.24	19.399	7.63	-66.9	44.7	20.3
11/17/04	17:30:52	24.79	256.644	255.633	249.89	-0.28	-13.9	94	48.33	19.56	7.62	-67	23.7	15.4
11/17/04	18:00:52	24.3	259.105	255.633	253.45	-0.33	-16.8	93	48.22	19.437	7.62	-66.9	33.1	12.6
11/17/04	18:30:52	24.83	256.459	255.633	249.63	-0.3	-15.2	94	48.23	19.5	7.62	-66.9	22.1	26.2
11/17/04	19:00:52	22.9	266.318	255.629	264	-0.31	-16.8	94	48.22	19.27	7.63	-66.8	36.6	19.3
11/17/04	19:30:52	23.52	263.068	255.633	259.23	-0.31	-16.1	94	48.19	19.326	7.62	-66.7	35.3	23.1
11/17/04	20:00:52	24.26	259.28	255.633	253.71	-0.34	-17.4	94	48.35	19.507	7.62	-66.9	52.9	22.9
11/17/04	20:30:52	23.22	264.63	255.633	261.52	-0.31	-16.3	93	48.43	19.434	7.62	-66.5	14.5	21.7
11/17/04	21:00:52	22.96	265.993	255.633	263.52	-0.32	-17.1	94	48.36	19.36	7.63	-67	25.6	19.2
11/17/04	21:30:52	23.69	262.209	255.633	257.97	-0.33	-17.4	93	48.49	19.524	7.63	-66.8	24.7	15.6
11/17/04	22:00:52	22.96	266.003	255.633	263.54	-0.32	-17.3	94	48.66	19.531	7.63	-66.9	13.4	19.1
11/17/04	22:30:52	24.63	257.444	255.633	251.05	-0.31	-15.7	93	48.61	19.702	7.62	-66.4	9.3	16
11/17/04	23:00:52	23.56	262.851	255.633	258.91	-0.31	-16	93	48.76	19.664	7.63	-67.1	3.5	12.6
11/17/04	23:30:52	23.45	263.452	255.633	259.79	-0.31	-16.4	93	48.72	19.628	7.63	-67	0.1	15.8
11/18/04	00:00:52	23.38	263.818	255.633	260.33	-0.33	-17.1	94	48.88	19.71	7.63	-67.1	0.3	20.4
11/18/04	00:30:52	23.96	260.811	255.633	255.93	-0.32	-16.4	94	49.59	20.199	7.62	-66.8	0.6	1.1
11/18/04	01:00:52	23.21	264.692	255.633	261.61	-0.33	-17.3	93	49.16	19.853	7.63	-67.3	0.8	16.7
11/18/04	01:30:52	23.22	264.645	255.633	261.54	-0.32	-16.9	93	49.07	19.805	7.63	-67.2	-0	19.9
11/18/04	02:00:52	23.11	265.192	255.633	262.34	-0.3	-16.1	94	49.13	19.824	7.63	-67.3	-0.2	24.2
11/18/04	02:30:52	23.32	264.128	255.633	260.78	-0.31	-16.1	94	49.22	19.901	7.63	-67.1	0.9	8.1
11/18/04	03:00:52	24.07	260.254	255.633	255.12	-0.3	-15.5	93	49.26	20.016	7.62	-66.7	-0.1	18
11/18/04	03:30:52	24.31	259.068	255.633	253.4	-0.31	-15.6	94	49.3	20.071	7.63	-67.3	-0.1	18.1
11/18/04	04:00:52	24.04	260.397	255.637	255.33	-0.31	-16	93	49.07	19.906	7.62	-66.7	-0.2	25.1

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/18/04	04:30:52	23.87	261.291	255.633	256.63	-0.32	-16.3	94	49.24	19.982	7.62	-66.7	0.4	21.6
11/18/04	05:00:52	23.55	262.911	255.637	259	-0.02	-1.3	98	49.25	19.946	7.63	-67.2	0.9	13.8
11/18/04	05:30:52	24.07	260.254	255.633	255.12	0.09	4.5	98	49.26	20.02	7.64	-67.9	0.6	17.4
11/18/04	06:00:52	23.85	261.365	255.637	256.74	-0.04	-2	99	49.35	20.042	7.63	-67.3	-0.1	19.2
11/18/04	06:30:52	23.45	263.418	255.637	259.74	-0.14	-7.4	99	49.38	20.015	7.64	-67.4	0.6	16.9
11/18/04	07:00:52	24.3	259.086	255.637	253.43	-0.21	-10.6	98	49.33	20.083	7.63	-67.3	0.9	5.3
11/18/04	07:30:52	24.11	260.064	255.633	254.85	-0.26	-13.1	98	49.22	19.997	7.63	-67.4	0.7	20.3
11/18/04	08:00:52	24.22	259.518	255.637	254.05	-0.33	-16.6	98	49.19	19.992	7.63	-67.3	0.2	28.8
11/18/04	08:30:52	23.72	262.025	255.637	257.7	-0.35	-17.9	98	48.95	19.792	7.63	-67.1	-0.3	4.7
11/18/04	09:00:52	24.08	260.216	255.633	255.07	-0.37	-18.8	97	49.18	19.973	7.63	-66.9	-0	14.1
11/18/04	09:30:52	24.63	257.471	255.637	251.09	-0.4	-20	97	49.05	19.958	7.63	-67	0.5	10.4
11/18/04	10:00:52	24.22	259.519	255.633	254.05	-0.4	-20.4	97	49.13	19.962	7.62	-66.7	0.5	11.3
11/18/04	10:30:52	23.54	262.949	255.637	259.05	-0.41	-21.3	96	48.99	19.798	7.63	-66.9	0.3	10
11/18/04	11:00:52	23.91	261.076	255.637	256.32	-0.44	-22.9	95	48.87	19.772	7.62	-66.5	0.5	25.7
11/18/04	11:30:52	24.11	260.073	255.633	254.86	-0.53	-27.1	95	49.02	19.884	7.62	-66.7	0.2	21.3
11/18/04	12:00:52	24.1	260.105	255.637	254.91	-0.53	-27.3	94	48.89	19.803	7.62	-66.6	-0.1	17.3
11/18/04	12:30:52	24.22	259.51	255.633	254.04	-0.58	-29.4	93	48.91	19.831	7.61	-66.1	-0.4	19.7
11/18/04	13:00:52	23.39	263.737	255.633	260.21	-0.52	-27.3	92	48.84	19.688	7.62	-66.3	4.2	22.9
11/18/04	13:30:52	23.94	260.908	255.633	256.08	-0.49	-25.5	91	48.81	19.738	7.62	-66.5	9.2	30.9
11/18/04	14:00:52	24	260.588	255.629	255.61	-0.46	-23.7	92	48.74	19.708	7.62	-66.4	11.3	14.2
11/18/04	14:30:52	23.96	260.825	255.629	255.95	-0.45	-23	92	48.76	19.715	7.61	-66.1	17.1	7.9
11/18/04	15:00:52	23.63	262.516	255.629	258.42	-0.42	-22	92	48.59	19.571	7.62	-66.3	18.5	20.7
11/18/04	15:30:52	23.89	261.175	255.629	256.46	-0.41	-20.9	93	48.62	19.622	7.61	-66	12.7	14.8
11/18/04	16:00:52	23.89	261.142	255.629	256.42	-0.41	-21.2	92	48.56	19.587	7.62	-66.3	38.4	18.6
11/18/04	16:30:52	23.88	261.235	255.633	256.55	-0.36	-18.5	92	48.58	19.597	7.62	-66.4	20.1	19.1
11/18/04	17:00:52	23.96	260.792	255.633	255.91	-0.34	-17.6	92	48.46	19.536	7.61	-66.2	13.3	22.4
11/18/04	17:30:52	24.02	260.509	255.633	255.49	-0.33	-16.9	93	48.47	19.548	7.61	-66.2	10.3	8.5
11/18/04	18:00:52	23.82	261.515	255.633	256.96	-0.3	-15.5	92	48.45	19.514	7.61	-66.1	10	9.2
11/18/04	18:30:52	24.19	259.63	255.629	254.22	-0.32	-16.2	92	48.35	19.502	7.61	-66	9.7	11.5
11/18/04	19:00:52	23.89	261.155	255.633	256.44	-0.3	-15.4	92	48.4	19.492	7.61	-65.7	22.7	5.6
11/18/04	19:30:52	23.96	260.811	255.633	255.93	-0.28	-14.4	92	48.4	19.5	7.61	-66	24.9	11.9
11/18/04	20:00:52	23.99	260.657	255.633	255.71	-0.32	-16.3	92	48.34	19.47	7.61	-66	33	11.6
11/18/04	20:30:52	23.98	260.69	255.633	255.76	-0.29	-14.9	93	48.39	19.498	7.61	-65.8	19.1	12.9
11/18/04	21:00:52	23.98	260.718	255.633	255.8	-0.31	-15.8	93	48.44	19.525	7.61	-66	28.7	15.4
11/18/04	21:30:52	24.04	260.397	255.633	255.33	-0.33	-16.8	92	48.48	19.559	7.61	-66	55.6	7.5
11/18/04	22:00:52	24.07	260.267	255.633	255.14	-0.27	-13.8	93	48.53	19.59	7.61	-66	27.2	7.9
11/18/04	22:30:52	24.02	260.499	255.637	255.48	-0.28	-14.5	92	48.61	19.633	7.6	-65.6	12.3	23.5
11/18/04	23:00:52	23.98	260.736	255.633	255.82	-0.3	-15.7	92	48.53	19.582	7.6	-65.6	3.7	17
11/18/04	23:30:52	24.07	260.24	255.633	255.1	-0.27	-14	92	48.68	19.679	7.6	-65.6	-0.1	7.9
11/19/04	00:00:52	24	260.615	255.633	255.65	-0.27	-14	92	48.7	19.683	7.61	-66	0.6	10.4
11/19/04	00:30:52	23.96	260.792	255.633	255.91	-0.29	-14.9	92	48.83	19.752	7.61	-66	-0	12.6
11/19/04	01:00:52	23.04	265.577	255.633	262.91	-0.27	-14.2	92	48.98	19.729	7.6	-65.6	-0	13.6
11/19/04	01:30:52	23.71	262.111	255.633	257.83	-0.26	-13.4	92	48.94	19.785	7.61	-66	0.7	17.5
11/19/04	02:00:52	24	260.629	255.637	255.67	-0.26	-13.3	92	49.12	19.926	7.61	-66	0.4	14.7
11/19/04	02:30:52	23.82	261.548	255.633	257.01	-0.25	-13	92	49.04	19.86	7.61	-66.1	0.5	7.4
11/19/04	03:00:52	23.37	263.827	255.637	260.34	-0.26	-13.4	92	48.99	19.778	7.6	-65.6	0.3	23.3
11/19/04	03:30:52	23.53	263.03	255.633	259.17	-0.27	-13.9	92	49.06	19.837	7.61	-65.8	1.5	20.3
11/19/04	04:00:52	23.68	262.242	255.633	258.02	-0.26	-13.4	92	49.17	19.917	7.61	-65.9	2.2	15.3
11/19/04	04:30:52	24.21	259.556	255.633	254.11	-0.26	-13.2	92	49.15	19.97	7.61	-65.9	-0.4	20.6
11/19/04	05:00:52	24.86	256.298	255.633	249.39	-0.27	-13.4	92	49.14	20.042	7.6	-65.5	1.2	10
11/19/04	05:30:52	22.95	266.027	255.633	263.57	-0.25	-13.5	92	49.08	19.779	7.61	-65.7	-0.6	18.5
11/19/04	06:00:52	23.26	264.406	255.629	261.19	-0.24	-12.7	92	49.19	19.88	7.6	-65.2	0.8	12.2
11/19/04	06:30:52	24.23	259.445	255.633	253.95	-0.21	-10.8	91	49.13	19.96	7.59	-65.1	-0.5	15.9
11/19/04	07:00:52	24.04	260.383	255.633	255.31	-0.21	-10.6	92	48.99	19.856	7.59	-65	1.5	10.1
11/19/04	07:30:52	23.17	264.875	255.633	261.88	-0.17	-9.1	91	49.15	19.844	7.59	-64.8	2	12.6
11/19/04	08:00:52	24.1	260.087	255.629	254.88	-0.19	-9.6	91	48.98	19.858	7.59	-64.9	0.5	17
11/19/04	08:30:52	24.93	255.966	255.633	248.92	-0.19	-9.7	92	48.99	19.958	7.58	-64.6	1	13.2
11/19/04	09:00:52	23.79	261.684	255.633	257.21	-0.2	-10.2	92	49	19.833	7.59	-64.7	1.5	11.2
11/19/04	09:30:52	24.53	257.949	255.629	251.78	-0.26	-13.3	92	48.98	19.908	7.6	-65.5	-0.6	13.3
11/19/04	10:00:52	22.81	266.799	255.629	264.71	-0.27	-14.6	92	48.93	19.671	7.6	-65.4	0.2	13
11/19/04	10:30:52	24.41	258.519	255.629	252.6	-0.29	-14.7	91	48.88	19.835	7.61	-65.9	-0.4	15.8
11/19/04	11:00:52	24.21	259.543	255.625	254.09	-0.28	-14.4	92	48.97	19.866	7.6	-65.7	0.5	10.4

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/19/04	11:30:52	22.81	266.81	255.625	264.73	-0.26	-14	92	48.94	19.676	7.6	-65.6	0.4	18.5
11/19/04	12:00:52	24.2	259.616	255.629	254.2	-0.28	-14.2	91	48.98	19.871	7.61	-65.9	0.3	14.7
11/19/04	12:30:52	24.75	256.879	255.629	250.23	-0.29	-14.7	92	48.9	19.888	7.59	-65.2	-0.1	13.8
11/19/04	13:00:52	23.59	262.71	255.629	258.7	-0.29	-15.3	92	48.88	19.738	7.6	-65.4	3.6	9
11/19/04	13:30:52	22.77	266.981	255.625	264.98	-0.28	-14.8	92	48.84	19.617	7.6	-65.3	11	6.7
11/19/04	14:00:52	24.84	256.384	255.625	249.52	-0.32	-16.2	92	48.89	19.89	7.59	-65.2	20.6	13.4
11/19/04	14:30:52	24.64	257.409	255.625	251	-0.33	-16.8	92	48.8	19.814	7.6	-65.2	28.1	20.8
11/19/04	15:00:52	24.7	257.07	255.621	250.51	-0.34	-16.9	92	48.8	19.825	7.6	-65.5	45.3	14
11/19/04	15:30:52	24.52	258	255.625	251.85	-0.36	-18.1	92	48.68	19.731	7.6	-65.7	59	20.4
11/19/04	16:00:52	23.36	263.911	255.621	260.46	-0.34	-17.6	92	48.73	19.623	7.6	-65.7	69.3	27.2
11/19/04	16:30:52	22.67	267.504	255.621	265.75	-0.33	-17.5	92	48.69	19.518	7.6	-65.4	24.5	23.3
11/19/04	17:00:52	22.69	267.41	255.625	265.61	-0.36	-19.3	92	48.58	19.451	7.61	-65.9	50.9	30.1
11/19/04	17:30:52	22.67	267.547	255.625	265.81	-0.37	-19.9	93	48.63	19.478	7.6	-65.4	48.2	24.6
11/19/04	18:00:52	23.99	260.645	255.625	255.69	-0.39	-20.1	93	48.55	19.592	7.61	-65.9	51.2	15.1
11/19/04	18:30:52	22.59	267.964	255.625	266.43	-0.37	-20.2	92	48.49	19.39	7.61	-65.8	70.6	19.1
11/19/04	19:00:52	24.87	256.271	255.629	249.36	-0.41	-20.2	92	48.46	19.643	7.59	-65.2	97.9	13.4
11/19/04	19:30:52	23.31	264.158	255.629	260.82	-0.38	-20	93	48.44	19.449	7.61	-65.7	48.4	19.8
11/19/04	20:00:52	23.15	265.005	255.629	262.07	-0.39	-20.7	93	48.44	19.426	7.61	-65.8	77.8	17
11/19/04	20:30:52	24.79	256.659	255.625	249.91	-0.39	-19.4	92	48.44	19.625	7.6	-65.7	62.4	7.1
11/19/04	21:00:52	24.28	259.211	255.629	253.61	-0.38	-19.4	92	48.48	19.588	7.59	-65	25.1	19.3
11/19/04	21:30:52	24.55	257.849	255.625	251.63	-0.39	-19.7	93	48.5	19.628	7.59	-65.1	26.7	19.8
11/19/04	22:00:52	22.6	267.905	255.625	266.34	-0.34	-18.5	93	48.5	19.394	7.6	-65.5	13.7	18.4
11/19/04	22:30:52	25.09	255.198	255.625	247.81	-0.37	-18.5	92	48.5	19.688	7.59	-64.8	11.2	13.7
11/19/04	23:00:52	22.73	267.204	255.629	265.31	-0.34	-18.1	93	48.58	19.456	7.61	-65.7	3.2	36.4
11/19/04	23:30:52	24.77	256.739	255.629	250.03	-0.35	-17.6	93	48.68	19.758	7.6	-65.5	-0.5	18.6
11/20/04	00:00:52	23.81	261.595	255.633	257.08	-0.35	-18	93	48.68	19.648	7.6	-65.3	0.3	21.4
11/20/04	00:30:52	22.74	267.17	255.629	265.26	-0.33	-17.8	93	48.73	19.544	7.6	-65.2	0.9	16.7
11/20/04	01:00:52	23.89	261.184	255.629	256.48	-0.32	-16.6	92	48.8	19.725	7.6	-65.5	0.8	11.8
11/20/04	01:30:52	22.72	267.252	255.633	265.38	-0.31	-16.4	92	48.83	19.605	7.6	-65.1	-0.3	10.4
11/20/04	02:00:52	25.01	255.563	255.629	248.34	-0.33	-16.2	92	48.91	19.922	7.6	-65.6	0.7	19.8
11/20/04	02:30:52	24.95	255.868	255.629	248.77	-0.33	-16.4	92	48.95	19.941	7.59	-65	0.6	12.6
11/20/04	03:00:52	22.83	266.687	255.633	264.54	-0.32	-17	92	49	19.716	7.6	-65.1	0.3	12.8
11/20/04	03:30:52	24.63	257.454	255.629	251.06	-0.35	-17.4	92	49	19.933	7.6	-65.4	0.1	15.1
11/20/04	04:00:52	22.77	267.009	255.629	265.02	-0.32	-17	92	49.03	19.721	7.61	-65.6	0.3	8.5
11/20/04	04:30:52	23.83	261.464	255.629	256.89	-0.33	-17.1	92	49.04	19.858	7.59	-64.9	0.4	18.2
11/20/04	05:00:52	22.64	267.708	255.629	266.05	-0.32	-17.3	93	49.06	19.727	7.6	-65.4	0.5	12.5
11/20/04	05:30:52	25.03	255.461	255.629	248.19	-0.34	-16.8	92	49.04	20.004	7.6	-65.4	0.6	18.1
11/20/04	06:00:52	22.71	267.297	255.629	265.44	-0.31	-16.6	92	49.07	19.74	7.59	-64.7	-0.5	10
11/20/04	06:30:52	23.95	260.882	255.625	256.04	-0.31	-15.7	92	49.04	19.875	7.59	-65.1	0.4	9.5
11/20/04	07:00:52	24.77	256.744	255.625	250.04	-0.33	-16.4	92	49.03	19.963	7.59	-64.8	0.5	9.7
11/20/04	07:30:52	22.47	268.589	255.625	267.36	-0.3	-16.1	92	48.98	19.658	7.58	-63.9	-0.2	7.8
11/20/04	08:00:52	24.65	257.355	255.625	250.92	-0.31	-15.7	92	49	19.933	7.57	-64	2.3	8.3
11/20/04	08:30:52	22.4	268.967	255.617	267.91	-0.29	-15.7	92	48.97	19.646	7.58	-64.2	-0.3	7.8
11/20/04	09:00:52	22.84	266.641	255.617	264.48	-0.29	-15.5	92	48.96	19.694	7.58	-64.3	0.2	11
11/20/04	09:30:52	24.4	258.567	255.613	252.67	-0.3	-15.1	92	48.93	19.866	7.58	-64.1	-0.4	8.7
11/20/04	10:00:52	24.44	258.379	255.617	252.4	-0.28	-14.4	92	48.94	19.873	7.58	-64.1	2.2	9.6
11/20/04	10:30:52	23.54	262.962	255.617	259.07	-0.26	-13.7	92	48.88	19.732	7.59	-64.6	0.4	16.7
11/20/04	11:00:52	23.83	261.457	255.617	256.87	-0.26	-13.2	92	48.89	19.775	7.6	-65.2	-0.6	12.9
11/20/04	11:30:52	24.07	260.228	255.621	255.08	-0.29	-14.8	92	48.91	19.812	7.6	-65.5	0.2	13.7
11/20/04	12:00:52	24.55	257.832	255.621	251.61	-0.31	-15.8	92	48.91	19.871	7.6	-65.3	0.1	22.7
11/20/04	12:30:52	22.64	267.681	255.617	266.01	-0.31	-16.5	92	48.93	19.653	7.6	-65.1	0.8	12.6
11/20/04	13:00:52	23.42	263.573	255.621	259.97	-0.32	-16.8	93	48.91	19.732	7.6	-65.2	5.5	13.6
11/20/04	13:30:52	22.49	268.482	255.621	267.2	-0.31	-16.9	92	48.93	19.63	7.6	-65.2	9.6	20.5
11/20/04	14:00:52	23.57	262.82	255.621	258.86	-0.35	-18.5	92	48.91	19.751	7.6	-65.4	15.9	17.7
11/20/04	14:30:52	23.19	264.758	255.617	261.7	-0.34	-18.2	92	48.88	19.692	7.59	-64.9	21.7	43.7
11/20/04	15:00:52	23.95	260.873	255.621	256.02	-0.4	-20.4	93	48.92	19.806	7.6	-65.7	57.3	32.7
11/20/04	15:30:52	22.85	266.592	255.621	264.4	-0.38	-20.3	92	48.88	19.644	7.6	-65.4	34.8	32.6
11/20/04	16:00:52	23.78	261.742	255.621	257.29	-0.42	-21.8	93	48.86	19.748	7.6	-65.3	80.5	48.2
11/20/04	16:30:52	23.45	263.403	255.617	259.72	-0.44	-22.9	92	48.86	19.709	7.59	-65	75.6	84.2
11/20/04	17:00:52	22.91	266.238	255.617	263.88	-0.4	-21.6	93	48.77	19.592	7.6	-65.4	54.4	49.2
11/20/04	17:30:52	22.89	266.349	255.621	264.05	-0.43	-23	93	48.81	19.611	7.61	-65.8	121	23
11/20/04	18:00:52	23.53	263.028	255.621	259.17	-0.46	-23.8	93	48.73	19.642	7.6	-65.3	115.2	43.5

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/20/04	18:30:52	24.3	259.098	255.621	253.44	-0.45	-23.1	93	48.73	19.733	7.6	-65.7	54.7	39.9
11/20/04	19:00:52	23.88	261.199	255.625	256.5	-0.45	-23.2	93	48.64	19.635	7.59	-65.2	54.4	56.3
11/20/04	19:30:52	24.26	259.285	255.629	253.71	-0.46	-23.5	93	48.73	19.732	7.6	-65.4	56.1	24.8
11/20/04	20:00:52	22.69	267.409	255.629	265.61	-0.46	-24.7	93	48.72	19.536	7.6	-65.4	82.1	24.3
11/20/04	20:30:52	23.83	261.46	255.625	256.88	-0.47	-24.3	94	48.64	19.629	7.6	-65.4	85.3	45.8
11/20/04	21:00:52	24.64	257.409	255.625	251	-0.43	-21.6	93	48.6	19.7	7.6	-65.8	44.6	25.3
11/20/04	21:30:52	23.96	260.811	255.629	255.93	-0.43	-22	93	48.63	19.637	7.6	-65.2	27.8	34.6
11/20/04	22:00:52	23.73	261.985	255.625	257.65	-0.45	-23.3	93	48.65	19.62	7.6	-65.5	31.8	36.6
11/20/04	22:30:52	23.14	265.059	255.625	262.15	-0.4	-21.2	93	48.67	19.558	7.6	-65.6	15.3	25.3
11/20/04	23:00:52	23.26	264.402	255.625	261.18	-0.38	-20.2	93	48.7	19.594	7.6	-65.1	3.7	26.4
11/20/04	23:30:52	23.73	261.985	255.625	257.65	-0.38	-19.8	92	48.71	19.655	7.59	-65	0.8	24.3
11/21/04	00:00:52	24.25	259.345	255.625	253.8	-0.39	-19.9	92	48.71	19.719	7.59	-65.1	0.4	27.1
11/21/04	00:30:52	23.74	261.938	255.625	257.58	-0.38	-19.6	92	48.78	19.696	7.6	-65.2	0.4	32.4
11/21/04	01:00:52	23.62	262.531	255.625	258.44	-0.37	-19.5	92	48.75	19.669	7.6	-65.3	0.2	19.8
11/21/04	01:30:52	23.85	261.348	255.625	256.72	-0.38	-19.5	92	48.85	19.75	7.59	-64.9	0.5	34.9
11/21/04	02:00:52	23.4	263.706	255.625	260.16	-0.35	-18.2	93	48.92	19.735	7.59	-65.1	-0.4	25
11/21/04	02:30:52	23.61	262.578	255.625	258.51	-0.37	-19	92	48.94	19.775	7.6	-65.4	-0.7	23
11/21/04	03:00:52	23.69	262.206	255.625	257.97	-0.37	-19.1	92	48.97	19.804	7.59	-64.8	-0.4	29.9
11/21/04	03:30:52	24.03	260.44	255.629	255.39	-0.36	-18.4	93	48.98	19.849	7.59	-64.6	0.3	11.1
11/21/04	04:00:52	23.74	261.924	255.625	257.56	-0.35	-18	93	48.94	19.79	7.59	-64.8	0.2	11.7
11/21/04	04:30:52	23.73	261.994	255.629	257.66	-0.36	-18.9	93	48.98	19.815	7.6	-65.2	-0.1	10.8
11/21/04	05:00:52	23.62	262.526	255.629	258.43	-0.34	-17.9	93	48.99	19.804	7.59	-64.8	-0.2	8.1
11/21/04	05:30:52	23.77	261.774	255.625	257.34	-0.37	-19.1	93	49	19.833	7.59	-64.8	-0.4	9
11/21/04	06:00:52	23.25	264.445	255.625	261.25	-0.36	-19.1	92	49.01	19.773	7.59	-64.8	-0.2	7.9
11/21/04	06:30:52	23.78	261.703	255.629	257.23	-0.25	-13	93	49	19.833	7.59	-64.8	0.2	6.8
11/21/04	07:00:52	23.84	261.432	255.625	256.84	-0.35	-18.3	92	48.96	19.817	7.6	-65.4	0.2	11.4
11/21/04	07:30:52	23.87	261.273	255.629	256.61	-0.35	-18	92	48.92	19.792	7.59	-64.8	-0.1	5.6
11/21/04	08:00:52	23.73	261.981	255.625	257.64	-0.34	-17.6	93	48.89	19.761	7.59	-64.7	-0.5	6.8
11/21/04	08:30:52	23.88	261.222	255.625	256.53	-0.37	-19	93	48.87	19.767	7.59	-64.8	0.1	6.7
11/21/04	09:00:52	23.82	261.53	255.629	256.98	-0.36	-18.7	93	48.86	19.757	7.59	-64.6	-0.7	6.8
11/21/04	09:30:52	23.85	261.362	255.629	256.74	-0.36	-18.6	93	48.81	19.728	7.58	-64.5	0.4	6.2
11/21/04	10:00:52	23.88	261.198	255.629	256.5	-0.35	-18.1	93	48.77	19.707	7.59	-64.6	0.1	11.5
11/21/04	10:30:52	23.89	261.161	255.625	256.44	-0.3	-15.6	93	48.75	19.7	7.58	-64.4	0.1	7.5
11/21/04	11:00:52	23.89	261.143	255.625	256.42	-0.31	-16.1	93	48.78	19.717	7.58	-64	-0.3	20.7
11/21/04	11:30:52	23.57	262.823	255.629	258.87	-0.27	-13.9	92	48.79	19.686	7.57	-63.8	0.1	7.8
11/21/04	12:00:52	24.43	258.415	255.625	252.45	-0.31	-15.9	92	48.84	19.816	7.57	-63.8	-0.7	4.5
11/21/04	12:30:52	23.65	262.413	255.625	258.27	-0.35	-18	93	48.77	19.679	7.58	-64	-0.4	7.4
11/21/04	13:00:52	23.15	264.983	255.617	262.04	-0.39	-20.5	94	48.84	19.662	7.58	-64.5	2.3	7.9
11/21/04	13:30:52	22.59	267.936	255.621	266.39	-0.39	-21	93	48.84	19.594	7.58	-64.4	10.2	11.7
11/21/04	14:00:52	23.53	263	255.617	259.13	-0.42	-22	93	48.78	19.674	7.6	-65.1	17.2	28.5
11/21/04	14:30:52	24.1	260.099	255.617	254.9	-0.44	-22.3	93	48.86	19.787	7.6	-65.2	23.2	9.7
11/21/04	15:00:52	24.11	260.025	255.617	254.79	-0.47	-23.8	93	48.9	19.812	7.6	-65.6	45.3	15.3
11/21/04	15:30:52	24.45	258.338	255.621	252.34	-0.49	-25	94	48.95	19.884	7.6	-65.8	52.5	13.1
11/21/04	16:00:52	23.57	262.786	255.625	258.82	-0.49	-25.7	94	48.91	19.751	7.61	-65.9	52.8	17.6
11/21/04	16:30:52	23.88	261.194	255.625	256.49	-0.48	-25	94	48.96	19.822	7.61	-65.8	47.9	12.7
11/21/04	17:00:52	25.1	255.145	255.621	247.73	-0.5	-25	94	48.92	19.941	7.6	-65.7	44.6	30.9
11/21/04	17:30:52	23.91	261.068	255.629	256.31	-0.5	-25.5	94	48.96	19.82	7.6	-65.6	42.9	22.7
11/21/04	18:00:52	23.9	261.087	255.625	256.34	-0.5	-25.8	94	48.94	19.813	7.61	-65.7	83.8	67.4
11/21/04	18:30:52	24.71	257.033	255.629	250.45	-0.53	-26.5	94	48.88	19.87	7.6	-65.4	33.8	18.8
11/21/04	19:00:52	24.2	259.579	255.629	254.14	-0.56	-28.4	94	48.86	19.798	7.61	-65.8	99.6	12
11/21/04	19:30:52	24.15	259.862	255.625	254.55	-0.57	-29.2	94	48.85	19.788	7.61	-65.9	105.3	18.6
11/21/04	20:00:52	24.11	260.041	255.629	254.81	-0.54	-27.6	94	48.78	19.743	7.6	-65.7	86.4	28.4
11/21/04	20:30:52	25.05	255.371	255.633	248.06	-0.55	-27.2	94	48.77	19.843	7.6	-65.6	67.3	31.8
11/21/04	21:00:52	24.1	260.092	255.629	254.89	-0.48	-24.6	94	48.77	19.733	7.6	-65.5	47.5	23
11/21/04	21:30:52	23.61	262.582	255.629	258.52	-0.52	-26.9	94	48.78	19.682	7.6	-65.4	40.3	13.5
11/21/04	22:00:52	24.04	260.416	255.629	255.36	-0.52	-26.7	94	48.73	19.703	7.6	-65.2	27.8	25.5
11/21/04	22:30:52	24.11	260.065	255.625	254.85	-0.49	-24.8	94	48.74	19.719	7.59	-65	10.3	21.4
11/21/04	23:00:52	24.26	259.294	255.629	253.73	-0.48	-24.6	94	48.77	19.754	7.59	-64.9	3.9	69.6
11/21/04	23:30:52	24.04	260.407	255.629	255.35	-0.47	-23.9	94	48.75	19.716	7.59	-64.9	0.1	21.7
11/22/04	00:00:52	23.18	264.823	255.629	261.8	-0.43	-22.7	94	48.76	19.619	7.59	-64.7	0.1	4.9
11/22/04	00:30:52	24.19	259.653	255.629	254.25	-0.45	-22.8	94	48.76	19.738	7.59	-64.7	-0.2	9
11/22/04	01:00:52	24.3	259.092	255.629	253.43	-0.43	-22	93	48.8	19.775	7.58	-64.2	0.3	9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/22/04	01:30:52	24.09	260.175	255.633	255.01	-0.43	-22.2	94	48.78	19.737	7.58	-64.5	0.2	12.2
11/22/04	02:00:52	24.39	258.647	255.633	252.79	-0.44	-22.2	94	48.84	19.807	7.58	-64.5	-0.4	11.1
11/22/04	02:30:52	25.03	255.492	255.629	248.23	-0.43	-21.4	93	48.84	19.885	7.58	-64.3	-0.3	9.5
11/22/04	03:00:52	23.12	265.154	255.629	262.29	-0.4	-21.1	94	48.84	19.657	7.58	-64.3	-0	9.8
11/22/04	03:30:52	23.64	262.45	255.633	258.32	-0.4	-20.7	94	48.88	19.747	7.58	-64.1	0.3	9.4
11/22/04	04:00:52	22.92	266.231	255.629	263.87	-0.4	-21.4	94	48.87	19.65	7.58	-64	0.3	9.1
11/22/04	04:30:52	24.9	256.128	255.629	249.15	-0.42	-21	94	48.87	19.889	7.57	-64.1	0.6	12.1
11/22/04	05:00:52	25.29	254.217	255.629	246.4	-0.42	-20.6	93	48.88	19.939	7.58	-64.4	-0.4	7.6
11/22/04	05:30:52	24.08	260.212	255.629	255.06	-0.4	-20.3	94	48.84	19.776	7.58	-64.3	0.4	10.6
11/22/04	06:00:52	23.24	264.535	255.629	261.38	-0.39	-20.7	94	48.86	19.681	7.58	-64.2	0.3	12.2
11/22/04	06:30:52	23.67	262.299	255.633	258.1	-0.36	-18.8	94	48.84	19.725	7.58	-64.2	0.3	8.8
11/22/04	07:00:52	23.05	265.51	255.629	262.81	-0.34	-18	94	48.84	19.647	7.58	-64.2	1	8.9
11/22/04	07:30:52	23.23	264.569	255.629	261.43	-0.37	-19.5	94	48.83	19.663	7.58	-64.1	0.1	9.9
11/22/04	08:00:52	25.01	255.559	255.629	248.33	-0.4	-19.6	94	48.78	19.847	7.58	-64.2	-0.1	9
11/22/04	08:30:52	23.69	262.177	255.629	257.93	-0.38	-19.9	94	48.72	19.656	7.57	-64	0.1	9
11/22/04	09:00:52	24.07	260.241	255.625	255.1	-0.37	-18.9	94	48.72	19.701	7.57	-63.8	0.2	8.5
11/22/04	09:30:52	24.82	256.506	255.625	249.69	-0.37	-18.6	94	48.73	19.797	7.57	-63.9	-0.3	8.8
11/22/04	10:00:52	23.96	260.817	255.621	255.94	-0.36	-18.7	94	48.7	19.677	7.57	-64	-2.8	8.4
11/22/04	10:30:52	24.13	259.94	255.629	254.67	-0.31	-15.7	94	48.66	19.677	7.56	-63.2	0.1	8.8
11/22/04	11:00:52	22.79	266.868	255.625	264.81	-0.32	-16.9	94	48.66	19.511	7.56	-62.8	0.4	8.7
11/22/04	11:30:52	24.37	258.721	255.625	252.9	-0.31	-15.8	94	48.63	19.687	7.55	-62.5	-0.2	8.2
11/22/04	12:00:52	22.79	266.868	255.625	264.81	-0.36	-19.5	94	48.69	19.531	7.56	-63.3	-0.4	9.3
11/22/04	12:30:52	23.75	261.891	255.625	257.51	-0.38	-19.5	94	48.69	19.648	7.57	-63.7	-0	8.7
11/22/04	13:00:52	25.07	255.301	255.625	247.96	-0.38	-18.7	94	48.73	19.822	7.56	-63.5	1.7	9.4
11/22/04	13:30:52	22.84	266.631	255.621	264.46	-0.37	-19.6	94	48.73	19.561	7.57	-63.8	5.9	9.5
11/22/04	14:00:52	24.96	255.796	255.625	248.67	-0.44	-22.1	94	48.82	19.864	7.57	-63.8	11.1	10.2
11/22/04	14:30:52	24.25	259.336	255.625	253.79	-0.44	-22.4	94	48.85	19.799	7.57	-64	19.9	11.8
11/22/04	15:00:52	23.12	265.144	255.629	262.27	-0.45	-23.6	94	48.88	19.681	7.59	-64.6	28.6	7.3
11/22/04	15:30:52	22.99	265.811	255.625	263.25	-0.49	-25.9	95	48.91	19.68	7.59	-64.5	30.7	7
11/22/04	16:00:52	25.18	254.739	255.633	247.15	-0.53	-26.3	94	48.98	19.983	7.58	-64.3	46.6	7.3
11/22/04	16:30:52	24.92	256.015	255.629	248.99	-0.55	-27.2	94	48.99	19.957	7.59	-64.8	64.3	8.3
11/22/04	17:00:52	23.43	263.515	255.629	259.88	-0.54	-28	95	49	19.789	7.58	-64	48.9	5.7
11/22/04	17:30:52	23.64	262.456	255.625	258.33	-0.54	-28.3	94	49.02	19.826	7.57	-63.9	64.3	12
11/22/04	18:00:52	24.12	259.983	255.617	254.73	-0.56	-28.6	95	49.01	19.879	7.57	-64	74.8	10.9
11/22/04	18:30:52	24.04	260.418	255.621	255.36	-0.58	-29.9	95	49.05	19.892	7.58	-64.5	77.5	7.7
11/22/04	19:00:52	22.8	266.83	255.621	264.76	-0.54	-29	95	49.03	19.73	7.59	-64.5	68.9	12.5
11/22/04	19:30:52	24.07	260.265	255.621	255.14	-0.55	-28.2	95	49.01	19.872	7.58	-64.3	65.4	15.7
11/22/04	20:00:52	24.2	259.599	255.625	254.17	-0.58	-29.6	95	49.01	19.888	7.58	-64.2	53.4	12.5
11/22/04	20:30:52	23.11	265.18	255.621	262.32	-0.51	-27.1	94	49.01	19.756	7.58	-64.1	42	12.3
11/22/04	21:00:52	22.71	267.298	255.625	265.45	-0.52	-27.8	95	48.96	19.679	7.58	-64.1	21.3	11.5
11/22/04	21:30:52	24.21	259.539	255.621	254.08	-0.54	-27.7	95	48.99	19.876	7.58	-64.1	22.3	15.7
11/22/04	22:00:52	24.01	260.552	255.621	255.56	-0.51	-26.2	95	48.97	19.838	7.57	-63.8	13.6	14.5
11/22/04	22:30:52	24.47	258.246	255.625	252.21	-0.48	-24.3	95	48.94	19.876	7.57	-63.9	7.8	12.2
11/22/04	23:00:52	24.91	256.065	255.625	249.06	-0.51	-25.4	95	48.91	19.914	7.57	-63.7	2.8	26.6
11/22/04	23:30:52	23.6	262.645	255.621	258.61	-0.49	-25.3	95	48.9	19.75	7.57	-63.8	0	25
11/23/04	00:00:52	24.82	256.492	255.625	249.67	-0.51	-25.7	94	48.9	19.896	7.57	-63.7	-1.5	60.3
11/23/04	00:30:52	24.73	256.957	255.621	250.35	-0.52	-26	94	48.88	19.875	7.56	-63.5	0.7	20.3
11/23/04	01:00:52	22.71	267.313	255.621	265.47	-0.48	-25.6	94	48.92	19.651	7.57	-63.8	-0.7	4.8
11/23/04	01:30:52	23.41	263.629	255.625	260.05	-0.48	-25	95	48.92	19.738	7.58	-64	-0.4	17.5
11/23/04	02:00:52	25.1	255.15	255.621	247.74	-0.48	-23.7	94	48.92	19.939	7.57	-63.7	-0.3	15
11/23/04	02:30:52	25.07	255.283	255.621	247.93	-0.49	-24.2	95	48.88	19.913	7.57	-63.8	1.4	23.1
11/23/04	03:00:52	24.12	259.986	255.625	254.73	-0.47	-24.2	94	48.89	19.808	7.57	-63.7	3.2	13
11/23/04	03:30:52	25.1	255.127	255.625	247.71	-0.48	-23.8	95	48.92	19.94	7.57	-64.1	0.8	22.4
11/23/04	04:00:52	23.35	263.92	255.625	260.48	-0.47	-24.7	95	48.92	19.73	7.57	-63.8	-1	34.5
11/23/04	04:30:52	22.88	266.421	255.625	264.15	-0.47	-24.9	95	48.91	19.666	7.58	-64.3	-0	47.4
11/23/04	05:00:52	25.13	255.007	255.625	247.54	-0.49	-24.2	95	48.9	19.93	7.57	-64	0.5	29.9
11/23/04	05:30:52	22.86	266.508	255.629	264.28	-0.46	-24.7	96	48.88	19.65	7.58	-64.1	-0.3	16.4
11/23/04	06:00:52	22.82	266.726	255.629	264.6	-0.43	-22.9	96	48.84	19.621	7.56	-63.3	-0.9	27.1
11/23/04	06:30:52	23.68	262.22	255.625	257.99	-0.4	-20.7	95	48.82	19.717	7.56	-62.9	-0.1	15.6
11/23/04	07:00:52	24.99	255.693	255.629	248.52	-0.45	-22.3	96	48.77	19.84	7.55	-63	-0.3	16.7
11/23/04	07:30:52	22.84	266.64	255.625	264.47	-0.4	-21.5	96	48.74	19.564	7.55	-62.8	-0.1	17
11/23/04	08:00:52	23.67	262.263	255.621	258.05	-0.39	-20.3	95	48.73	19.662	7.55	-62.3	0	20.8

Appendix 5
Water Quality Data

East Flower Garden Bank															
July 15, 2004 - December 3, 2004															
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/23/04	08:30:52	25.13	255.002	255.629	247.53	-0.37	-18.5	95	48.67	19.796	7.54	-62.1	0.5	18.1
11/23/04	09:00:52	25.22	254.575	255.629	246.92	-0.37	-18.5	96	48.64	19.787	7.55	-62.6	0.8	182
11/23/04	09:30:52	25.04	255.425	255.625	248.14	-0.39	-19.4	96	48.64	19.766	7.55	-62.7	-1	16.9
11/23/04	10:00:52	24.62	257.477	255.625	251.1	-0.37	-18.8	95	48.56	19.672	7.55	-62.9	-1.3	16.2
11/23/04	10:30:52	23.9	261.134	255.625	256.4	-0.41	-21.1	95	48.57	19.595	7.56	-63	1	10.5
11/23/04	11:00:52	25.14	254.949	255.625	247.45	-0.45	-22	96	48.57	19.738	7.55	-63	-1.7	34
11/23/04	11:30:52	24.46	258.273	255.625	252.25	-0.42	-21.2	95	48.56	19.654	7.56	-63.1	0.6	239.7
11/23/04	12:00:52	23.52	263.055	255.625	259.21	-0.42	-22	96	48.52	19.521	7.56	-63	0	2.7
11/23/04	12:30:52	25.23	254.501	255.625	246.81	-0.46	-22.5	95	48.53	19.723	7.56	-63.2	-0.2	3.1
11/23/04	13:00:52	23.66	262.361	255.625	258.19	-0.44	-22.9	96	48.57	19.563	7.56	-63.2	1.7	3
11/23/04	13:30:52	23.55	262.88	255.625	258.95	-0.45	-23.6	96	48.58	19.561	7.56	-63.1	11.3	2.8
11/23/04	14:00:52	24.11	260.041	255.629	254.81	-0.47	-24.2	96	48.66	19.67	7.56	-63.3	17.6	3
11/23/04	14:30:52	23.26	264.411	255.625	261.2	-0.48	-25.3	96	48.67	19.579	7.56	-63.4	24.4	3.4
11/23/04	15:00:52	23.1	265.266	255.621	262.45	-0.45	-24.1	95	48.73	19.593	7.56	-63	34	4.5
11/23/04	15:30:52	22.83	266.664	255.625	264.51	-0.37	-20	96	48.8	19.597	7.56	-62.9	33.4	2.8
11/23/04	16:00:52	22.82	266.708	255.625	264.57	-0.41	-21.8	96	48.8	19.6	7.54	-62.1	36	3.1
11/23/04	16:30:52	24.7	257.115	255.625	250.57	-0.43	-21.5	96	48.86	19.857	7.53	-61.8	45.7	4
11/23/04	17:00:52	22.78	266.957	255.621	264.94	-0.4	-21.2	95	48.89	19.646	7.53	-61.5	57.5	4.7
11/23/04	17:30:52	24.98	255.711	255.625	248.55	-0.49	-24.1	97	48.92	19.924	7.55	-62.9	83.4	6.5
11/23/04	18:00:52	24.84	256.433	255.629	249.59	-0.56	-28.1	97	48.97	19.936	7.57	-63.7	83.2	4.7
11/23/04	18:30:52	23.49	263.193	255.625	259.41	-0.56	-29.2	97	49.03	19.814	7.57	-63.8	58.3	6.1
11/23/04	19:00:52	22.96	266.008	255.629	263.54	-0.58	-30.7	97	49.01	19.734	7.57	-63.7	112.6	5.1
11/23/04	19:30:52	24.52	258.013	255.629	251.87	-0.59	-29.6	97	49	19.919	7.57	-63.7	51.1	5.6
11/23/04	20:00:52	23.28	264.316	255.625	261.06	-0.54	-28.3	97	48.99	19.765	7.57	-63.7	44.1	9
11/23/04	20:30:52	24.76	256.802	255.629	250.12	-0.58	-28.9	97	49.04	19.973	7.57	-63.9	54.4	13.1
11/23/04	21:00:52	24.54	257.886	255.625	251.69	-0.6	-30.2	97	49.05	19.952	7.57	-63.5	33.1	5.9
11/23/04	21:30:52	23.28	264.311	255.625	261.05	-0.57	-30	97	49.04	19.794	7.57	-63.8	26.8	4.5
11/23/04	22:00:52	25.24	254.478	255.629	246.78	-0.59	-28.9	97	49.07	20.042	7.57	-64	18.5	4.5
11/23/04	22:30:52	23.75	261.882	255.625	257.49	-0.55	-28.3	97	49.08	19.875	7.57	-63.7	8.1	10.7
11/23/04	23:00:52	22.9	266.294	255.629	263.97	-0.53	-28.5	97	49.03	19.74	7.57	-63.7	2.9	11.5
11/23/04	23:30:52	24.36	258.767	255.625	252.96	-0.52	-26.6	97	48.99	19.892	7.57	-63.8	-0.8	6.1
11/24/04	00:00:52	22.99	265.858	255.629	263.32	-0.52	-27.5	97	48.98	19.721	7.57	-63.7	-2.3	4.5
11/24/04	00:30:52	24.99	255.68	255.629	248.5	-0.54	-26.7	97	48.94	19.938	7.57	-63.8	0.5	5.6
11/24/04	01:00:52	24.35	258.844	255.629	253.08	-0.54	-27.6	97	48.98	19.885	7.57	-63.8	0.2	4
11/24/04	01:30:52	23.57	262.813	255.633	258.85	-0.53	-27.7	97	48.92	19.759	7.57	-63.9	-0.6	9.2
11/24/04	02:00:52	24.92	256.038	255.629	249.02	-0.54	-26.7	97	48.86	19.882	7.57	-63.9	-0.2	3.9
11/24/04	02:30:52	22.93	266.158	255.629	263.77	-0.52	-27.7	98	48.87	19.651	7.58	-64	0.5	9
11/24/04	03:00:52	23.05	265.496	255.629	262.79	-0.51	-27	97	48.96	19.719	7.57	-63.8	0.8	3
11/24/04	03:30:52	23.06	265.495	255.633	262.79	-0.52	-27.7	96	48.91	19.692	7.58	-64	0.7	12.9
11/24/04	04:00:52	22.97	265.921	255.629	263.42	-0.52	-27.8	97	48.89	19.667	7.57	-63.7	0.9	5.3
11/24/04	04:30:52	25.29	254.221	255.629	246.41	-0.52	-25.8	97	49.01	20.016	7.57	-63.7	-0.1	3.9
11/24/04	05:00:52	24.35	258.84	255.629	253.07	-0.52	-26.3	97	48.89	19.835	7.57	-63.6	-0.3	4.7
11/24/04	05:30:52	23.02	265.669	255.633	263.04	-0.49	-26.2	97	48.95	19.711	7.57	-63.6	1	2.6
11/24/04	06:00:52	24.11	260.068	255.633	254.85	-0.5	-25.7	97	48.87	19.794	7.57	-63.8	-0	4.1
11/24/04	06:30:52	25.8	251.787	255.629	242.92	-0.5	-24.2	98	48.84	19.972	7.58	-64.5	0.1	4.1
11/24/04	07:00:52	25.6	252.713	255.633	244.25	-0.51	-24.9	97	48.69	19.86	7.57	-63.8	-0.5	5.8
11/24/04	07:30:52	24.54	257.894	255.633	251.7	-0.49	-24.8	97	48.77	19.789	7.57	-63.8	-0.3	4
11/24/04	08:00:52	23.34	264.009	255.633	260.61	-0.47	-24.8	98	48.77	19.641	7.57	-63.8	0.7	4.1
11/24/04	08:30:52	25.41	253.643	255.633	245.58	-0.51	-24.9	97	48.84	19.926	7.57	-63.9	0.1	3.4
11/24/04	09:00:52	23.32	264.09	255.633	260.73	-0.49	-25.5	97	48.57	19.527	7.57	-63.5	-0.9	7.4
11/24/04	09:30:52	24.89	256.163	255.633	249.2	-0.5	-25	97	48.53	19.686	7.57	-63.9	0.8	4
11/24/04	10:00:52	25.24	254.472	255.637	246.77	-0.51	-25.4	98	48.53	19.725	7.57	-63.8	0.1	4.6
11/24/04	10:30:52	23.47	263.309	255.637	259.58	-0.49	-25.7	98	48.44	19.466	7.57	-63.5	-3.3	3.6
11/24/04	11:00:52	25.68	252.381	255.637	243.77	-0.52	-25.2	98	48.41	19.703	7.57	-63.9	-0.4	6.4
11/24/04	11:30:52	24.19	259.629	255.637	254.21	-0.52	-26.3	98	48.46	19.567	7.57	-63.6	-0.7	3.6
11/24/04	12:00:52	23.7	262.134	255.637	257.86	-0.49	-25.5	98	48.47	19.514	7.57	-63.6	-0.9	3.8
11/24/04	12:30:52	23.31	264.142	255.633	260.8	-0.5	-26.4	98	48.48	19.47	7.57	-63.5	0.6	5.9
11/24/04	13:00:52	25.56	252.924	255.629	244.55	-0.53	-26.1	98	48.45	19.715	7.57	-63.9	3.2	3.6
11/24/04	13:30:52	24.83	256.465	255.629	249.63	-0.49	-24.3	97	48.56	19.697	7.57	-63.9	12.2	4.5
11/24/04	14:00:52	24.95	255.898	255.633	248.82	-0.56	-27.7	98	48.69	19.785	7.57	-64.1	23.2	5.1
11/24/04	14:30:52	25.34	253.983	255.629	246.07	-0.57	-28.1	98	48.49	19.71	7.57	-64	34.8	4
11/24/04	15:00:52	25.2	254.637	255.633	247	-0.54	-26.8	98	48.8	19.878	7.57	-64	48	-2.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/24/04	15:30:52	25.65	252.5	255.629	243.94	-0.56	-27.4	98	48.56	19.787	7.57	-63.8	63.6	-4.6
11/24/04	16:00:52	25.53	253.051	255.629	244.73	-0.53	-25.8	98	48.67	19.839	7.57	-64.1	79.3	-4.1
11/24/04	16:30:52	25.09	255.189	255.629	247.8	-0.55	-27.3	98	48.85	19.897	7.57	-63.8	99	-4.6
11/24/04	17:00:52	23.37	263.823	255.633	260.33	-0.56	-29.4	98	48.88	19.714	7.58	-64	109.3	-4.6
11/24/04	17:30:52	24.66	257.286	255.629	250.82	-0.54	-27.2	99	48.91	19.884	7.58	-64.1	119.2	-3.3
11/24/04	18:00:52	23.91	261.072	255.633	256.31	-0.54	-27.6	99	49.04	19.87	7.57	-64	132.5	-4.6
11/24/04	18:30:52	24.41	258.569	255.633	252.68	-0.55	-28.1	99	48.97	19.888	7.57	-63.9	34.7	-3.1
11/24/04	19:00:52	24.45	258.355	255.629	252.37	-0.56	-28.2	98	49.01	19.917	7.57	-63.8	137.7	-4.6
11/24/04	19:30:52	24.94	255.926	255.629	248.86	-0.56	-28	98	49.08	20.016	7.57	-64	127.2	-3.1
11/24/04	20:00:52	23.74	261.942	255.633	257.58	-0.59	-30.6	99	49.04	19.851	7.57	-64	37.9	-4.6
11/24/04	20:30:52	24.71	257.054	255.637	250.49	-0.56	-28.1	98	49.2	20.06	7.57	-63.9	38.3	-3.8
11/24/04	21:00:52	24.54	257.903	255.633	251.71	-0.55	-27.7	99	49.23	20.058	7.57	-63.9	40.6	-4.6
11/24/04	21:30:52	24.64	257.394	255.633	250.98	-0.52	-26.3	98	49.09	19.988	7.57	-64	26.9	-4.6
11/24/04	22:00:52	25.31	254.141	255.633	246.29	-0.57	-28.2	98	49.25	20.158	7.57	-64	20.2	-4.3
11/24/04	22:30:52	24.75	256.847	255.633	250.19	-0.53	-26.7	98	49.24	20.084	7.57	-63.8	8.7	-4.6
11/24/04	23:00:52	24.7	257.108	255.637	250.56	-0.49	-24.6	99	49.21	20.061	7.57	-63.8	3	0.1
11/24/04	23:30:52	25.65	252.486	255.637	243.92	-0.54	-26.2	99	49.09	20.104	7.57	-63.8	-0.2	-4.6
11/25/04	00:00:52	23.52	263.087	255.633	259.26	-0.49	-25.4	98	49.08	19.847	7.57	-63.8	-0.2	4.7
11/25/04	00:30:52	25.6	252.757	255.633	244.31	-0.56	-27.5	99	49	20.044	7.57	-63.9	0.7	-4.6
11/25/04	01:00:52	24.6	257.607	255.633	251.28	-0.55	-27.7	99	49.07	19.968	7.57	-63.8	0.1	23.1
11/25/04	01:30:52	23.81	261.603	255.637	257.09	-0.57	-29.4	98	49.16	19.926	7.57	-63.9	-0.2	-4.6
11/25/04	02:00:52	25.52	253.107	255.633	244.81	-0.58	-28.5	98	49.08	20.082	7.57	-63.8	1	3.8
11/25/04	02:30:52	25.6	252.739	255.633	244.28	-0.6	-29.2	98	49.05	20.069	7.57	-63.7	-0	-4.3
11/25/04	03:00:52	25.87	251.436	255.629	242.42	-0.6	-29	98	48.97	20.055	7.57	-63.8	0.2	-3.7
11/25/04	03:30:52	24.39	258.652	255.629	252.8	-0.57	-29.1	99	49.04	19.929	7.57	-63.7	1.1	-2.9
11/25/04	04:00:52	25.68	252.36	255.633	243.74	-0.6	-29.2	98	49.08	20.096	7.57	-63.9	0	-4.4
11/25/04	04:30:52	23.76	261.844	255.629	257.44	-0.57	-29.6	99	49.06	19.863	7.57	-64	0	33.8
11/25/04	05:00:52	25.39	253.749	255.629	245.73	-0.59	-28.9	99	48.81	19.905	7.56	-63.5	-0.6	-4.6
11/25/04	05:30:52	24.63	257.43	255.633	251.03	-0.59	-29.5	98	48.86	19.85	7.57	-63.7	0.2	9.8
11/25/04	06:00:52	23.91	261.067	255.633	256.31	-0.56	-29.1	98	48.77	19.712	7.57	-63.5	0.4	-4.6
11/25/04	06:30:52	25.55	252.958	255.633	244.6	-0.58	-28.1	98	48.81	19.922	7.57	-63.7	-0.6	7.3
11/25/04	07:00:52	23.83	261.478	255.633	256.91	-0.56	-28.8	99	48.74	19.683	7.57	-63.5	0.9	-4.6
11/25/04	07:30:52	23.95	260.889	255.637	256.05	-0.56	-29	98	48.82	19.743	7.57	-63.6	-0.2	13.3
11/25/04	08:00:52	24.25	259.366	255.637	253.83	-0.56	-28.3	99	48.61	19.661	7.56	-63.4	-2.1	-4.6
11/25/04	08:30:52	24.24	259.394	255.637	253.87	-0.56	-28.7	99	48.58	19.643	7.56	-63.3	0.1	-2.8
11/25/04	09:00:52	23.71	262.078	255.633	257.78	-0.56	-28.9	99	48.56	19.566	7.56	-63.2	-0.3	-4.1
11/25/04	09:30:52	24.58	257.688	255.637	251.4	-0.56	-28.5	99	48.51	19.642	7.55	-62.8	0.5	-4.4
11/25/04	10:00:52	23.89	261.173	255.641	256.46	-0.55	-28.3	99	48.49	19.544	7.56	-63.5	-0.4	2.5
11/25/04	10:30:52	24.91	256.09	255.641	249.09	-0.56	-27.9	99	48.36	19.585	7.56	-63.4	0.4	-4.6
11/25/04	11:00:52	24.74	256.918	255.641	250.29	-0.54	-27	98	48.32	19.543	7.56	-63	1.1	24.7
11/25/04	11:30:52	24.14	259.918	255.648	254.63	-0.55	-28.3	99	48.28	19.454	7.56	-63.4	-0.8	-4.6
11/25/04	12:00:52	24.43	258.488	255.652	252.56	-0.54	-27.4	99	48.25	19.47	7.56	-63.2	-0.9	22.1
11/25/04	12:30:52	23.8	261.633	255.656	257.13	-0.51	-26.6	98	48.23	19.384	7.56	-63.3	-0.2	-4.7
11/25/04	13:00:52	24.27	259.271	255.66	253.69	-0.46	-23.5	100	48.15	19.389	7.56	-63.3	2.8	91.5
11/25/04	13:30:52	24.28	259.225	255.66	253.63	-0.57	-28.9	98	48.17	19.407	7.56	-63.2	12	-4.6
11/25/04	14:00:52	23.58	262.79	255.656	258.82	-0.53	-27.9	98	48.26	19.377	7.56	-63.3	24	-1.3
11/25/04	14:30:52	24.18	259.703	255.66	254.32	-0.56	-28.8	98	48.23	19.426	7.56	-63.2	39.5	-2.1
11/25/04	15:00:52	24.15	259.86	255.66	254.55	-0.59	-29.9	99	48.37	19.507	7.56	-63.5	56.1	-4.6
11/25/04	15:30:52	23.7	262.172	255.66	257.92	-0.59	-30.4	98	48.38	19.457	7.56	-63.3	74.2	103.4
11/25/04	16:00:52	24.13	260.002	255.668	254.76	-0.61	-31.1	99	48.46	19.558	7.56	-63.5	92.8	9.2
11/25/04	16:30:52	24.16	259.837	255.664	254.52	-0.63	-32.3	98	48.47	19.566	7.56	-63.5	115.6	-4.7
11/25/04	17:00:52	24.47	258.294	255.664	252.28	-0.66	-33.6	99	48.52	19.63	7.56	-63.4	127.5	116.7
11/25/04	17:30:52	24.06	260.322	255.668	255.22	-0.65	-33.1	99	48.61	19.639	7.56	-63.2	64.6	-4.7
11/25/04	18:00:52	24.02	260.564	255.664	255.57	-0.66	-33.9	99	48.67	19.665	7.56	-63.2	140.5	-4.3
11/25/04	18:30:52	23.99	260.694	255.66	255.76	-0.59	-30.4	99	48.75	19.708	7.56	-63	42	102.5
11/25/04	19:00:52	23.92	261.066	255.664	256.31	-0.62	-32.1	99	48.84	19.751	7.56	-63	43.8	-4.6
11/25/04	19:30:52	24.11	260.064	255.656	254.85	-0.69	-35.2	98	48.84	19.777	7.56	-63.2	122.7	1.1
11/25/04	20:00:52	23.88	261.249	255.656	256.57	-0.61	-31.5	98	48.86	19.761	7.56	-63.1	45.1	-4.4
11/25/04	20:30:52	23.01	265.784	255.66	263.21	-0.62	-32.8	99	48.97	19.716	7.57	-63.4	93	-4.9
11/25/04	21:00:52	23.87	261.281	255.66	256.62	-0.64	-33.3	98	48.95	19.812	7.56	-63.2	72.3	-4.1
11/25/04	21:30:52	22.97	265.958	255.66	263.47	-0.59	-31.6	99	48.98	19.717	7.56	-63	53.7	3.7
11/25/04	22:00:52	24.36	258.798	255.656	253.01	-0.59	-30.1	99	48.97	19.883	7.55	-62.9	33.1	3.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/25/04	22:30:52	24.92	256.039	255.652	249.02	-0.57	-28.6	98	49.02	19.977	7.54	-62.4	11.4	-4.4
11/25/04	23:00:52	23.87	261.292	255.652	256.63	-0.55	-28.2	99	49	19.84	7.55	-62.6	4.4	90.5
11/25/04	23:30:52	22.93	266.191	255.66	263.81	-0.54	-28.8	98	49.01	19.729	7.55	-62.4	-0.6	800.2
11/26/04	00:00:52	22.84	266.649	255.652	264.49	-0.54	-28.8	98	49	19.714	7.55	-62.3	-1.6	1362.1
11/26/04	00:30:52	22.86	266.527	255.652	264.31	-0.54	-29	99	48.97	19.704	7.54	-62	0.1	1399.2
11/26/04	01:00:52	22.8	266.883	255.648	264.83	-0.55	-29.2	98	48.97	19.69	7.53	-61.6	-0.3	1105.4
11/26/04	01:30:52	23.62	262.555	255.648	258.48	-0.56	-29.2	99	48.97	19.797	7.52	-61.1	-0.4	-4.8
11/26/04	02:00:52	23.68	262.258	255.648	258.04	-0.56	-29	99	48.94	19.782	7.53	-61.5	2.4	-4.2
11/26/04	02:30:52	22.76	267.033	255.633	265.05	-0.54	-29.2	98	48.97	19.687	7.54	-61.9	0.7	-2.7
11/26/04	03:00:52	23.36	263.892	255.648	260.43	-0.56	-29.6	98	48.88	19.712	7.53	-61.7	-0	-4.3
11/26/04	03:30:52	23.05	265.555	255.648	262.88	-0.54	-28.6	98	48.91	19.689	7.54	-61.8	-1.2	-5.5
11/26/04	04:00:52	23.62	262.561	255.641	258.49	-0.55	-28.8	99	48.88	19.741	7.54	-62	-0.4	-4.3
11/26/04	04:30:52	22.54	268.235	255.645	266.83	-0.53	-28.7	99	48.81	19.569	7.53	-61.6	1.5	-4.5
11/26/04	05:00:52	23.22	264.639	255.637	261.53	-0.52	-27.6	98	48.81	19.653	7.54	-62	-0.7	-4.7
11/26/04	05:30:52	23.41	263.623	255.637	260.04	-0.54	-28.5	99	48.79	19.666	7.53	-61.6	-0.7	-4.3
11/26/04	06:00:52	23.42	263.607	255.645	260.02	-0.52	-27.1	98	48.76	19.646	7.52	-60.9	-2.2	-4.4
11/26/04	06:30:52	23.23	264.58	255.645	261.44	-0.53	-28.1	99	48.73	19.609	7.53	-61.6	-1.3	1412.4
11/26/04	07:00:52	23.42	263.589	255.641	259.99	-0.53	-27.9	98	48.69	19.608	7.54	-61.8	0.3	1305.7
11/26/04	07:30:52	23.59	262.722	255.641	258.72	-0.55	-28.8	99	48.65	19.602	7.53	-61.6	-0.3	-4.8
11/26/04	08:00:52	23.19	264.792	255.641	261.76	-0.53	-27.9	98	48.58	19.514	7.54	-61.8	-0.7	87.7
11/26/04	08:30:52	23.53	263.047	255.645	259.2	-0.52	-27.2	99	48.53	19.527	7.53	-61.7	-1	1344.7
11/26/04	09:00:52	23.67	262.287	255.648	258.09	-0.53	-27.3	99	48.49	19.518	7.54	-61.9	0.1	539.5
11/26/04	09:30:52	23.72	262.033	255.645	257.72	-0.55	-28.5	98	48.41	19.479	7.54	-62	0.2	9.5
11/26/04	10:00:52	23.61	262.639	255.652	258.6	-0.52	-27.1	98	48.36	19.439	7.54	-61.8	-0.5	-1.6
11/26/04	10:30:52	23.72	262.029	255.645	257.71	-0.54	-28	99	48.32	19.425	7.54	-61.8	-0.1	173.9
11/26/04	11:00:52	23.68	262.267	255.652	258.06	-0.53	-27.3	99	48.26	19.386	7.53	-61.6	0.1	-3.5
11/26/04	11:30:52	23.75	261.883	255.648	257.5	-0.54	-28.2	99	48.21	19.369	7.54	-62.1	-0.3	1312.4
11/26/04	12:00:52	23.64	262.438	255.645	258.31	-0.46	-23.7	98	48.19	19.341	7.54	-62	-0.3	-4.1
11/26/04	12:30:52	23.71	262.131	255.648	257.86	-0.52	-26.8	98	48.18	19.341	7.53	-61.7	-0	23.8
11/26/04	13:00:52	23.51	263.132	255.645	259.32	-0.5	-26.3	99	48.16	19.31	7.53	-61.7	3.4	5.1
11/26/04	13:30:52	24.79	256.674	255.645	249.94	-0.53	-26.6	98	48.18	19.469	7.54	-62.1	12.3	803.3
11/26/04	14:00:52	23.61	262.636	255.645	258.6	-0.55	-28.9	99	48.2	19.346	7.54	-62.1	27.7	627.2
11/26/04	14:30:52	24	260.631	255.648	255.67	-0.57	-29.1	98	48.22	19.401	7.54	-62	22.8	-4.1
11/26/04	15:00:52	23.78	261.724	255.645	257.26	-0.59	-30.5	99	48.25	19.394	7.55	-62.7	50.5	285.4
11/26/04	15:30:52	24.64	257.424	255.645	251.02	-0.62	-31.2	98	48.32	19.537	7.55	-62.7	50.1	-4.4
11/26/04	16:00:52	24.45	258.38	255.645	252.4	-0.58	-29.5	99	48.38	19.547	7.55	-62.6	78.5	436.5
11/26/04	16:30:52	22.83	266.722	255.648	264.6	-0.59	-31.4	99	48.46	19.4	7.55	-62.5	38.4	-4
11/26/04	17:00:52	24.45	258.37	255.645	252.39	-0.64	-32.4	98	48.53	19.634	7.55	-62.9	92.4	42
11/26/04	17:30:52	22.8	266.883	255.648	264.83	-0.62	-33.4	99	48.62	19.491	7.55	-62.4	52.5	5.3
11/26/04	18:00:52	22.97	265.932	255.645	263.43	-0.62	-32.9	98	48.68	19.546	7.55	-62.4	60.2	-1.2
11/26/04	18:30:52	23.62	262.562	255.637	258.49	-0.6	-31.5	99	48.76	19.674	7.53	-61.8	18.5	550.7
11/26/04	19:00:52	23.17	264.908	255.633	261.93	-0.57	-30.3	98	48.83	19.658	7.53	-61.6	12.9	-4.9
11/26/04	19:30:52	22.71	267.302	255.629	265.45	-0.58	-31.1	98	48.9	19.644	7.52	-61	18.4	275.9
11/26/04	20:00:52	24.36	258.789	255.629	253	-0.6	-30.3	97	48.95	19.868	7.53	-61.6	16.3	-6.8
11/26/04	20:30:52	22.52	268.318	255.629	266.95	-0.55	-30	99	49.01	19.679	7.53	-61.4	6.5	583.8
11/26/04	21:00:52	22.42	268.871	255.625	267.77	-0.56	-30.6	99	49.04	19.685	7.53	-61.4	3.4	-4.8
11/26/04	21:30:52	23.34	264.024	255.629	260.63	-0.55	-29.1	99	49.09	19.829	7.53	-61.3	2.3	4.3
11/26/04	22:00:52	24.16	259.805	255.633	254.47	-0.56	-28.7	98	49.1	19.934	7.53	-61.6	4.9	15.5
11/26/04	22:30:52	23.64	262.422	255.629	258.28	-0.54	-28.1	98	49.11	19.877	7.53	-61.5	2.8	-5.4
11/26/04	23:00:52	24.07	260.273	255.629	255.15	-0.56	-28.5	98	49.15	19.954	7.54	-61.8	1.2	316.4
11/26/04	23:30:52	23.36	263.915	255.625	260.47	-0.54	-28.3	99	49.14	19.858	7.54	-61.7	-1	-6.2
11/27/04	00:00:52	22.72	267.243	255.629	265.37	-0.54	-28.8	99	49.14	19.78	7.54	-61.7	0.2	168.7
11/27/04	00:30:52	23.28	264.29	255.633	261.02	-0.54	-28.5	98	49.16	19.861	7.54	-61.8	-0.5	-6.1
11/27/04	01:00:52	22.54	268.209	255.629	266.79	-0.53	-28.6	98	49.15	19.767	7.54	-62	1.7	25.5
11/27/04	01:30:52	22.49	268.479	255.633	267.19	-0.53	-28.6	99	49.14	19.755	7.53	-61.5	-0.5	298.9
11/27/04	02:00:52	22.52	268.323	255.625	266.96	-0.54	-29.3	99	49.13	19.749	7.53	-61.5	-0.4	-4.4
11/27/04	02:30:52	23.25	264.478	255.629	261.29	-0.52	-27.6	99	49.14	19.848	7.53	-61.6	-0.3	6.2
11/27/04	03:00:52	23.8	261.642	255.629	257.14	-0.53	-27.2	98	49.06	19.871	7.53	-61.5	0.1	21.6
11/27/04	03:30:52	22.85	266.582	255.621	264.39	-0.53	-28.4	98	49.06	19.751	7.53	-61.5	0.5	-3.6
11/27/04	04:00:52	22.66	267.568	255.621	265.84	-0.51	-27.3	99	48.99	19.685	7.53	-61.5	-0.1	208.9
11/27/04	04:30:52	24.75	256.858	255.621	250.2	-0.54	-27	99	48.99	19.94	7.53	-61.6	-0.2	-4.1
11/27/04	05:00:52	22.89	266.349	255.621	264.05	-0.55	-29.5	99	48.96	19.701	7.54	-61.8	0.1	333.9

Appendix 5
Water Quality Data

East Flower Garden Bank														
July 15, 2004 - December 3, 2004														
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	Cond mS/cm	Salinity ppt	DO Conc mg/L	DO %	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	Turbidity NTU
11/27/04	05:30:52	23.97	260.743	255.621	255.83	-0.55	-28.4	98	48.98	19.84	7.53	-61.6	-0	-4
11/27/04	06:00:52	22.7	267.352	255.625	265.53	-0.52	-28	98	48.82	19.593	7.53	-61.5	-0.9	24.9
11/27/04	06:30:52	24.58	257.673	255.621	251.38	-0.56	-28.3	98	48.8	19.81	7.53	-61.6	-0.1	11.9
11/27/04	07:00:52	22.68	267.507	255.633	265.75	-0.52	-27.8	99	48.81	19.586	7.54	-61.7	-0.4	-2.9
11/27/04	07:30:52	23.45	263.428	255.633	259.76	-0.52	-27.2	99	48.81	19.681	7.53	-61.5	-0.6	450.3
11/27/04	08:00:52	22.79	266.901	255.633	264.86	-0.52	-27.8	99	48.7	19.534	7.53	-61.3	0.1	-4.4
11/27/04	08:30:52	22.53	268.273	255.629	266.89	-0.53	-28.9	98	48.66	19.481	7.53	-61.5	-0.2	91.6
11/27/04	09:00:52	22.83	266.696	255.637	264.56	-0.52	-27.8	98	48.59	19.476	7.53	-61.5	-0.6	-4.3
11/27/04	10:00:52	24.58	249.856	247.836	240.18	-0.66	-31.3	99	47.29	19.083	8	-88.1	-7.9	-4.1
11/27/04	11:30:52	23.29	264.252	255.633	260.96	-0.51	-27.1	98	48.27	19.345	7.53	-61.5	-0.6	-4.3
11/27/04	13:00:52	24.6	257.602	255.637	251.28	-0.49	-24.4	99	48.11	19.407	7.52	-61.3	3.2	265.3
11/27/04	13:30:52	24.39	258.654	255.641	252.8	-0.51	-25.7	99	48.17	19.419	7.53	-61.5	7.2	-4
11/27/04	14:00:52	23.88	261.237	255.645	256.55	-0.48	-24.9	99	48.11	19.323	7.53	-61.4	20.4	0.1
11/28/04	07:00:52	24.47	258.235	255.633	252.19	-0.39	-19.6	98	48.8	19.797	7.52	-60.8	-1	-4
12/01/04	17:30:52	23.47	263.299	255.617	259.57	-0.42	-21.7	98	48.08	19.259	7.51	-60.3	113.5	2.6
12/01/04	18:00:52	23.24	264.509	255.617	261.34	-0.45	-23.8	98	48.09	19.235	7.51	-60.2	103.9	-5.1
12/01/04	18:30:52	23.62	262.506	255.609	258.41	-0.52	-26.8	98	48.15	19.32	7.51	-60.3	103.9	9.7
12/01/04	19:00:52	22.5	268.401	255.605	267.08	-0.52	-28.4	98	48.25	19.238	7.51	-60.4	100.5	-4.9
12/01/04	19:30:52	23.59	262.667	255.605	258.64	-0.58	-30.1	98	48.27	19.385	7.5	-60	90.5	12.2
12/01/04	20:00:52	22.27	269.674	255.605	268.96	-0.61	-33.2	98	48.34	19.265	7.51	-60.1	64.3	-4.8
12/01/04	20:30:52	23.39	263.734	255.602	260.2	-0.59	-30.8	99	48.38	19.422	7.51	-60.1	61	14.1
12/01/04	21:00:52	24.11	260.013	255.605	254.77	-0.56	-28.7	99	48.44	19.542	7.5	-59.8	31.5	-4.7
12/01/04	21:30:52	23.32	264.09	255.605	260.73	0	0.2	99	48.46	19.459	7.53	-61.5	26.8	-4.6
12/01/04	22:00:52	23.64	262.421	255.605	258.28	-0.31	-16.3	99	48.59	19.577	7.51	-60.4	20.8	-3
12/01/04	22:30:52	22.22	269.933	255.605	269.35	-0.54	-29.5	98	48.67	19.445	7.5	-59.4	6.9	-4.4
12/01/04	23:00:52	24.17	259.695	255.602	254.31	-0.61	-31.3	99	48.68	19.692	7.49	-59.5	2.8	-3.2
12/01/04	23:30:52	22.81	266.766	255.602	264.66	-0.63	-34	98	48.74	19.564	7.49	-59.4	0.1	-4.2
12/02/04	00:00:52	24.05	260.338	255.602	255.24	-0.72	-36.7	98	48.82	19.76	7.49	-59.3	-0.3	-3.1
12/02/04	00:30:52	22.2	270.063	255.605	269.54	-0.7	-38.3	99	48.85	19.55	7.49	-59	0.8	-4
12/02/04	01:00:52	24.38	258.657	255.598	252.8	-0.74	-37.4	99	48.88	19.834	7.48	-59	-0.9	-3.3
12/02/04	01:30:52	22.32	269.391	255.602	268.54	-0.71	-38.6	98	48.97	19.635	7.49	-58.9	-0.4	-4.2
12/02/04	02:00:52	23.92	261.002	255.602	256.21	-0.73	-37.7	98	48.97	19.829	7.48	-59	-0.8	1.1
12/02/04	02:30:52	22.75	267.054	255.602	265.08	-0.7	-37.6	98	48.99	19.698	7.48	-58.8	-0	-4.6
12/02/04	03:00:52	22.08	270.719	255.602	270.51	-0.69	-38.3	99	49.01	19.623	7.49	-59.1	0.3	4.3
12/02/04	03:30:52	23.99	260.607	255.598	255.64	-0.72	-37.1	98	49	19.858	7.48	-58.9	-0.1	-4.5
12/02/04	04:00:52	24.4	258.574	255.602	252.68	-0.73	-37	98	49	19.902	7.49	-59.1	-1.2	1.4
12/02/04	04:30:52	24.09	260.134	255.602	254.95	-0.74	-37.9	98	49.02	19.881	7.48	-59	-1.7	-4.4
12/02/04	05:00:52	22.45	268.713	255.602	267.54	-0.7	-38	99	49.02	19.677	7.48	-58.8	-0.6	2.8
12/02/04	05:30:52	22.11	270.543	255.602	270.25	-0.69	-37.8	98	49.01	19.631	7.48	-58.8	0.6	-3.3
12/02/04	06:00:52	22.29	269.575	255.602	268.82	-0.7	-38	98	49	19.645	7.48	-58.8	0.4	78.1
12/02/04	06:30:52	22.05	270.839	255.602	270.69	-0.69	-38.1	99	48.93	19.577	7.48	-58.7	-0.3	-5
12/02/04	07:00:52	23.05	265.472	255.602	262.76	-0.72	-38	99	48.96	19.72	7.48	-58.7	1.3	325
12/02/04	07:30:52	23.06	265.424	255.602	262.68	-0.7	-37.1	99	48.91	19.692	7.48	-58.6	-0.3	-5.1
12/03/04	14:00:52	22.45	268.654	255.578	267.45	-0.46	-25	98	48.53	19.393	7.44	-56.5	3.4	-0.3
12/03/04	14:30:52	22.13	270.383	255.578	270.02	-0.47	-25.9	99	48.5	19.338	7.45	-56.8	8.4	-4.3
12/03/04	15:00:52	23.18	264.8	255.574	261.77	-0.46	-24.4	99	48.44	19.434	7.44	-56.6	1.9	45.8
12/03/04	15:30:52	22.57	268.042	255.582	266.54	-0.48	-26.1	98	48.43	19.353	7.45	-56.9	14.6	-4.6

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/15/04 10:30:02.0	20.53
07/15/04 11:30:02.0	25.67
07/15/04 12:30:02.0	35.69
07/15/04 13:30:02.0	27.95
07/15/04 14:30:02.0	28.02
07/15/04 15:30:02.0	28.07
07/15/04 16:30:02.0	28.15
07/15/04 17:30:02.0	28.12
07/15/04 18:30:02.0	28.12
07/15/04 19:30:02.0	28.12
07/15/04 20:30:02.0	28.12
07/15/04 21:30:02.0	28.15
07/15/04 22:30:02.0	28.15
07/15/04 23:30:02.0	28.20
07/16/04 00:30:02.0	28.27
07/16/04 01:30:02.0	28.22
07/16/04 02:30:02.0	28.07
07/16/04 03:30:02.0	27.88
07/16/04 04:30:02.0	27.75
07/16/04 05:30:02.0	27.75
07/16/04 06:30:02.0	27.78
07/16/04 07:30:02.0	27.80
07/16/04 08:30:02.0	27.83
07/16/04 09:30:02.0	28.57
07/16/04 10:30:02.0	28.59
07/16/04 11:30:02.0	28.30
07/16/04 12:30:02.0	28.44
07/16/04 13:30:02.0	28.47
07/16/04 14:30:02.0	28.52
07/16/04 15:30:02.0	28.57
07/16/04 16:30:02.0	28.59
07/16/04 17:30:02.0	28.52
07/16/04 18:30:02.0	28.57
07/16/04 19:30:02.0	28.54
07/16/04 20:30:02.0	28.54
07/16/04 21:30:02.0	28.69
07/16/04 22:30:02.0	28.82
07/16/04 23:30:02.0	28.82
07/17/04 00:30:02.0	28.89
07/17/04 01:30:02.0	28.77
07/17/04 02:30:02.0	28.54
07/17/04 03:30:02.0	28.44
07/17/04 04:30:02.0	28.62
07/17/04 05:30:02.0	27.46
07/17/04 06:30:02.0	27.41
07/17/04 07:30:02.0	27.48
07/17/04 08:30:02.0	27.55
07/17/04 09:30:02.0	27.63
07/17/04 10:30:02.0	27.75
07/17/04 11:30:02.0	27.85
07/17/04 12:30:02.0	28.12
07/17/04 13:30:02.0	28.17
07/17/04 14:30:02.0	28.00
07/17/04 15:30:02.0	28.12
07/17/04 16:30:02.0	28.17
07/17/04 17:30:02.0	28.17
07/17/04 18:30:02.0	28.22
07/17/04 19:30:02.0	28.22
07/17/04 20:30:02.0	28.37
07/17/04 21:30:02.0	28.42
07/17/04 22:30:02.0	28.47
07/17/04 23:30:02.0	28.42
07/18/04 00:30:02.0	28.54
07/18/04 01:30:02.0	28.49
07/18/04 02:30:02.0	28.39
07/18/04 03:30:02.0	28.12
07/18/04 04:30:02.0	28.15
07/18/04 05:30:02.0	27.78

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	678047
Memory Size (Bytes)	32768
Deployment	3
Series Info	Information about the data in the series
Points Used	3057
First Point	07/15/04 10:30:02.0
Last Point	11/19/04 17:30:02.0
Duration	127 Days 08:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	35.69
Min Value	20.53
Avg Value	27.93
Launch Parameters	
Load Time	07/15/2004 15:30:01 GMT 07/15/2004 10:30:01 Local
Launch Time	07/15/2004 15:30:02 GMT 07/15/2004 10:30:02 Local
Logging Time	07/15/2004 15:30:02 GMT 07/15/2004 10:30:02 Local
Sampling Interval	3600
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0x1377_04
Wrap Count	0
Description String	WFGB 7-15-04
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/18/04 06:30:02.0	27.28
07/18/04 07:30:02.0	27.24
07/18/04 08:30:02.0	27.28
07/18/04 09:30:02.0	27.36
07/18/04 10:30:02.0	27.43
07/18/04 11:30:02.0	27.48
07/18/04 12:30:02.0	27.60
07/18/04 13:30:02.0	27.65
07/18/04 14:30:02.0	27.70
07/18/04 15:30:02.0	27.60
07/18/04 16:30:02.0	27.31
07/18/04 17:30:02.0	27.36
07/18/04 18:30:02.0	26.84
07/18/04 19:30:02.0	26.84
07/18/04 20:30:02.0	26.79
07/18/04 21:30:02.0	26.84
07/18/04 22:30:02.0	26.92
07/18/04 23:30:02.0	27.36
07/19/04 00:30:02.0	28.05
07/19/04 01:30:02.0	28.27
07/19/04 02:30:02.0	27.55
07/19/04 03:30:02.0	27.70
07/19/04 04:30:02.0	27.68
07/19/04 05:30:02.0	27.68
07/19/04 06:30:02.0	27.63
07/19/04 07:30:02.0	26.99
07/19/04 08:30:02.0	27.06
07/19/04 09:30:02.0	27.11
07/19/04 10:30:02.0	27.16
07/19/04 11:30:02.0	27.41
07/19/04 12:30:02.0	27.68
07/19/04 13:30:02.0	27.78
07/19/04 14:30:02.0	27.83
07/19/04 15:30:02.0	27.97
07/19/04 16:30:02.0	27.80
07/19/04 17:30:02.0	27.58
07/19/04 18:30:02.0	27.55
07/19/04 19:30:02.0	27.58
07/19/04 20:30:02.0	27.63
07/19/04 21:30:02.0	27.65
07/19/04 22:30:02.0	27.75
07/19/04 23:30:02.0	27.83
07/20/04 00:30:02.0	27.85
07/20/04 01:30:02.0	27.83
07/20/04 02:30:02.0	27.41
07/20/04 03:30:02.0	27.43
07/20/04 04:30:02.0	27.38
07/20/04 05:30:02.0	27.06
07/20/04 06:30:02.0	27.04
07/20/04 07:30:02.0	27.01
07/20/04 08:30:02.0	27.06
07/20/04 09:30:02.0	26.97
07/20/04 10:30:02.0	26.89
07/20/04 11:30:02.0	26.92
07/20/04 12:30:02.0	27.06
07/20/04 13:30:02.0	27.14
07/20/04 14:30:02.0	27.19
07/20/04 15:30:02.0	27.01
07/20/04 16:30:02.0	27.04
07/20/04 17:30:02.0	26.89
07/20/04 18:30:02.0	26.94
07/20/04 19:30:02.0	27.01
07/20/04 20:30:02.0	27.01
07/20/04 21:30:02.0	27.01
07/20/04 22:30:02.0	27.04
07/20/04 23:30:02.0	27.06
07/21/04 00:30:02.0	27.16
07/21/04 01:30:02.0	27.14

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/21/04 02:30:02.0	27.21
07/21/04 03:30:02.0	27.19
07/21/04 04:30:02.0	27.11
07/21/04 05:30:02.0	27.11
07/21/04 06:30:02.0	27.09
07/21/04 07:30:02.0	27.11
07/21/04 08:30:02.0	27.14
07/21/04 09:30:02.0	27.19
07/21/04 10:30:02.0	27.36
07/21/04 11:30:02.0	27.14
07/21/04 12:30:02.0	27.16
07/21/04 13:30:02.0	27.16
07/21/04 14:30:02.0	27.16
07/21/04 15:30:02.0	27.04
07/21/04 16:30:02.0	27.06
07/21/04 17:30:02.0	26.99
07/21/04 18:30:02.0	27.01
07/21/04 19:30:02.0	26.94
07/21/04 20:30:02.0	27.14
07/21/04 21:30:02.0	27.06
07/21/04 22:30:02.0	27.09
07/21/04 23:30:02.0	27.14
07/22/04 00:30:02.0	27.16
07/22/04 01:30:02.0	27.19
07/22/04 02:30:02.0	27.19
07/22/04 03:30:02.0	27.24
07/22/04 04:30:02.0	27.36
07/22/04 05:30:02.0	27.31
07/22/04 06:30:02.0	27.01
07/22/04 07:30:02.0	27.01
07/22/04 08:30:02.0	27.06
07/22/04 09:30:02.0	27.09
07/22/04 10:30:02.0	27.16
07/22/04 11:30:02.0	27.28
07/22/04 12:30:02.0	28.20
07/22/04 13:30:02.0	28.37
07/22/04 14:30:02.0	28.49
07/22/04 15:30:02.0	28.27
07/22/04 16:30:02.0	27.85
07/22/04 17:30:02.0	27.43
07/22/04 18:30:02.0	27.28
07/22/04 19:30:02.0	27.28
07/22/04 20:30:02.0	27.31
07/22/04 21:30:02.0	27.31
07/22/04 22:30:02.0	27.31
07/22/04 23:30:02.0	27.33
07/23/04 00:30:02.0	27.33
07/23/04 01:30:02.0	27.38
07/23/04 02:30:02.0	27.38
07/23/04 03:30:02.0	27.41
07/23/04 04:30:02.0	27.46
07/23/04 05:30:02.0	27.65
07/23/04 06:30:02.0	27.73
07/23/04 07:30:02.0	27.65
07/23/04 08:30:02.0	27.73
07/23/04 09:30:02.0	27.85
07/23/04 10:30:02.0	27.92
07/23/04 11:30:02.0	27.97
07/23/04 12:30:02.0	28.05
07/23/04 13:30:02.0	28.10
07/23/04 14:30:02.0	28.22
07/23/04 15:30:02.0	28.35
07/23/04 16:30:02.0	28.44
07/23/04 17:30:02.0	28.37
07/23/04 18:30:02.0	28.35
07/23/04 19:30:02.0	28.35
07/23/04 20:30:02.0	27.51
07/23/04 21:30:02.0	27.38

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/23/04 22:30:02.0	27.38
07/23/04 23:30:02.0	27.41
07/24/04 00:30:02.0	27.43
07/24/04 01:30:02.0	27.48
07/24/04 02:30:02.0	27.55
07/24/04 03:30:02.0	27.58
07/24/04 04:30:02.0	27.58
07/24/04 05:30:02.0	27.60
07/24/04 06:30:02.0	27.60
07/24/04 07:30:02.0	27.65
07/24/04 08:30:02.0	27.70
07/24/04 09:30:02.0	27.75
07/24/04 10:30:02.0	27.83
07/24/04 11:30:02.0	27.90
07/24/04 12:30:02.0	28.00
07/24/04 13:30:02.0	28.42
07/24/04 14:30:02.0	28.57
07/24/04 15:30:02.0	28.54
07/24/04 16:30:02.0	28.49
07/24/04 17:30:02.0	28.05
07/24/04 18:30:02.0	28.00
07/24/04 19:30:02.0	27.26
07/24/04 20:30:02.0	27.06
07/24/04 21:30:02.0	26.89
07/24/04 22:30:02.0	26.94
07/24/04 23:30:02.0	26.97
07/25/04 00:30:02.0	26.99
07/25/04 01:30:02.0	26.77
07/25/04 02:30:02.0	26.79
07/25/04 03:30:02.0	26.79
07/25/04 04:30:02.0	26.82
07/25/04 05:30:02.0	26.87
07/25/04 06:30:02.0	26.87
07/25/04 07:30:02.0	26.89
07/25/04 08:30:02.0	26.94
07/25/04 09:30:02.0	27.01
07/25/04 10:30:02.0	27.11
07/25/04 11:30:02.0	27.16
07/25/04 12:30:02.0	27.19
07/25/04 13:30:02.0	27.31
07/25/04 14:30:02.0	27.36
07/25/04 15:30:02.0	27.43
07/25/04 16:30:02.0	27.48
07/25/04 17:30:02.0	27.51
07/25/04 18:30:02.0	27.51
07/25/04 19:30:02.0	27.41
07/25/04 20:30:02.0	27.21
07/25/04 21:30:02.0	26.97
07/25/04 22:30:02.0	26.84
07/25/04 23:30:02.0	26.67
07/26/04 00:30:02.0	26.38
07/26/04 01:30:02.0	26.23
07/26/04 02:30:02.0	26.28
07/26/04 03:30:02.0	26.35
07/26/04 04:30:02.0	26.43
07/26/04 05:30:02.0	26.45
07/26/04 06:30:02.0	26.55
07/26/04 07:30:02.0	26.67
07/26/04 08:30:02.0	26.77
07/26/04 09:30:02.0	26.87
07/26/04 10:30:02.0	27.04
07/26/04 11:30:02.0	27.01
07/26/04 12:30:02.0	27.09
07/26/04 13:30:02.0	27.09
07/26/04 14:30:02.0	27.16
07/26/04 15:30:02.0	27.24
07/26/04 16:30:02.0	27.28
07/26/04 17:30:02.0	27.31

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/26/04 18:30:02.0	27.31
07/26/04 19:30:02.0	27.43
07/26/04 20:30:02.0	27.53
07/26/04 21:30:02.0	27.43
07/26/04 22:30:02.0	27.90
07/26/04 23:30:02.0	27.75
07/27/04 00:30:02.0	27.21
07/27/04 01:30:02.0	26.70
07/27/04 02:30:02.0	26.65
07/27/04 03:30:02.0	26.65
07/27/04 04:30:02.0	26.70
07/27/04 05:30:02.0	26.79
07/27/04 06:30:02.0	26.82
07/27/04 07:30:02.0	26.84
07/27/04 08:30:02.0	26.92
07/27/04 09:30:02.0	27.04
07/27/04 10:30:02.0	27.11
07/27/04 11:30:02.0	27.19
07/27/04 12:30:02.0	27.33
07/27/04 13:30:02.0	27.19
07/27/04 14:30:02.0	27.26
07/27/04 15:30:02.0	27.26
07/27/04 16:30:02.0	27.36
07/27/04 17:30:02.0	27.38
07/27/04 18:30:02.0	27.43
07/27/04 19:30:02.0	27.48
07/27/04 20:30:02.0	27.95
07/27/04 21:30:02.0	28.02
07/27/04 22:30:02.0	27.97
07/27/04 23:30:02.0	27.90
07/28/04 00:30:02.0	27.46
07/28/04 01:30:02.0	27.21
07/28/04 02:30:02.0	26.99
07/28/04 03:30:02.0	27.04
07/28/04 04:30:02.0	27.16
07/28/04 05:30:02.0	27.28
07/28/04 06:30:02.0	27.11
07/28/04 07:30:02.0	27.19
07/28/04 08:30:02.0	27.33
07/28/04 09:30:02.0	27.92
07/28/04 10:30:02.0	27.88
07/28/04 11:30:02.0	27.83
07/28/04 12:30:02.0	27.80
07/28/04 13:30:02.0	27.65
07/28/04 14:30:02.0	27.60
07/28/04 15:30:02.0	27.65
07/28/04 16:30:02.0	27.68
07/28/04 17:30:02.0	27.73
07/28/04 18:30:02.0	27.73
07/28/04 19:30:02.0	27.75
07/28/04 20:30:02.0	27.75
07/28/04 21:30:02.0	27.88
07/28/04 22:30:02.0	27.68
07/28/04 23:30:02.0	27.75
07/29/04 00:30:02.0	27.75
07/29/04 01:30:02.0	27.75
07/29/04 02:30:02.0	27.51
07/29/04 03:30:02.0	27.55
07/29/04 04:30:02.0	27.55
07/29/04 05:30:02.0	27.63
07/29/04 06:30:02.0	27.70
07/29/04 07:30:02.0	27.85
07/29/04 08:30:02.0	27.85
07/29/04 09:30:02.0	27.92
07/29/04 10:30:02.0	28.00
07/29/04 11:30:02.0	28.15
07/29/04 12:30:02.0	27.68
07/29/04 13:30:02.0	27.46

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
07/29/04 14:30:02.0	27.65
07/29/04 15:30:02.0	27.21
07/29/04 16:30:02.0	27.26
07/29/04 17:30:02.0	27.31
07/29/04 18:30:02.0	27.33
07/29/04 19:30:02.0	27.36
07/29/04 20:30:02.0	27.41
07/29/04 21:30:02.0	27.48
07/29/04 22:30:02.0	27.48
07/29/04 23:30:02.0	27.51
07/30/04 00:30:02.0	27.41
07/30/04 01:30:02.0	27.43
07/30/04 02:30:02.0	27.43
07/30/04 03:30:02.0	27.51
07/30/04 04:30:02.0	27.55
07/30/04 05:30:02.0	27.63
07/30/04 06:30:02.0	27.75
07/30/04 07:30:02.0	27.75
07/30/04 08:30:02.0	27.78
07/30/04 09:30:02.0	27.85
07/30/04 10:30:02.0	27.88
07/30/04 11:30:02.0	27.90
07/30/04 12:30:02.0	27.63
07/30/04 13:30:02.0	27.11
07/30/04 14:30:02.0	26.94
07/30/04 15:30:02.0	26.99
07/30/04 16:30:02.0	27.04
07/30/04 17:30:02.0	27.09
07/30/04 18:30:02.0	27.14
07/30/04 19:30:02.0	27.06
07/30/04 20:30:02.0	27.09
07/30/04 21:30:02.0	27.11
07/30/04 22:30:02.0	27.14
07/30/04 23:30:02.0	27.16
07/31/04 00:30:02.0	27.21
07/31/04 01:30:02.0	27.19
07/31/04 02:30:02.0	27.28
07/31/04 03:30:02.0	27.26
07/31/04 04:30:02.0	27.33
07/31/04 05:30:02.0	26.84
07/31/04 06:30:02.0	26.84
07/31/04 07:30:02.0	26.94
07/31/04 08:30:02.0	27.11
07/31/04 09:30:02.0	26.89
07/31/04 10:30:02.0	26.72
07/31/04 11:30:02.0	26.84
07/31/04 12:30:02.0	26.94
07/31/04 13:30:02.0	27.04
07/31/04 14:30:02.0	26.97
07/31/04 15:30:02.0	26.84
07/31/04 16:30:02.0	26.89
07/31/04 17:30:02.0	26.92
07/31/04 18:30:02.0	26.92
07/31/04 19:30:02.0	26.89
07/31/04 20:30:02.0	26.92
07/31/04 21:30:02.0	26.97
07/31/04 22:30:02.0	26.94
07/31/04 23:30:02.0	27.01
08/01/04 00:30:02.0	26.99
08/01/04 01:30:02.0	27.04
08/01/04 02:30:02.0	26.33
08/01/04 03:30:02.0	26.21
08/01/04 04:30:02.0	25.82
08/01/04 05:30:02.0	25.65
08/01/04 06:30:02.0	25.74
08/01/04 07:30:02.0	25.82
08/01/04 08:30:02.0	25.96
08/01/04 09:30:02.0	26.01

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/01/04 10:30:02.0	26.13
08/01/04 11:30:02.0	26.30
08/01/04 12:30:02.0	26.35
08/01/04 13:30:02.0	26.50
08/01/04 14:30:02.0	26.57
08/01/04 15:30:02.0	26.67
08/01/04 16:30:02.0	26.45
08/01/04 17:30:02.0	26.55
08/01/04 18:30:02.0	26.65
08/01/04 19:30:02.0	26.62
08/01/04 20:30:02.0	26.62
08/01/04 21:30:02.0	26.65
08/01/04 22:30:02.0	26.70
08/01/04 23:30:02.0	26.70
08/02/04 00:30:02.0	26.77
08/02/04 01:30:02.0	26.74
08/02/04 02:30:02.0	26.77
08/02/04 03:30:02.0	26.60
08/02/04 04:30:02.0	26.23
08/02/04 05:30:02.0	26.26
08/02/04 06:30:02.0	26.26
08/02/04 07:30:02.0	26.33
08/02/04 08:30:02.0	26.38
08/02/04 09:30:02.0	26.43
08/02/04 10:30:02.0	26.52
08/02/04 11:30:02.0	26.65
08/02/04 12:30:02.0	26.74
08/02/04 13:30:02.0	26.82
08/02/04 14:30:02.0	26.55
08/02/04 15:30:02.0	26.38
08/02/04 16:30:02.0	26.43
08/02/04 17:30:02.0	26.48
08/02/04 18:30:02.0	26.48
08/02/04 19:30:02.0	26.48
08/02/04 20:30:02.0	26.52
08/02/04 21:30:02.0	26.52
08/02/04 22:30:02.0	26.60
08/02/04 23:30:02.0	26.65
08/03/04 00:30:02.0	26.70
08/03/04 01:30:02.0	26.84
08/03/04 02:30:02.0	26.94
08/03/04 03:30:02.0	26.99
08/03/04 04:30:02.0	27.06
08/03/04 05:30:02.0	27.04
08/03/04 06:30:02.0	27.16
08/03/04 07:30:02.0	27.09
08/03/04 08:30:02.0	27.16
08/03/04 09:30:02.0	27.26
08/03/04 10:30:02.0	27.31
08/03/04 11:30:02.0	27.38
08/03/04 12:30:02.0	27.43
08/03/04 13:30:02.0	27.63
08/03/04 14:30:02.0	27.14
08/03/04 15:30:02.0	27.11
08/03/04 16:30:02.0	27.19
08/03/04 17:30:02.0	26.70
08/03/04 18:30:02.0	26.35
08/03/04 19:30:02.0	26.43
08/03/04 20:30:02.0	26.43
08/03/04 21:30:02.0	26.45
08/03/04 22:30:02.0	26.45
08/03/04 23:30:02.0	26.50
08/04/04 00:30:02.0	26.57
08/04/04 01:30:02.0	26.65
08/04/04 02:30:02.0	26.70
08/04/04 03:30:02.0	26.79
08/04/04 04:30:02.0	26.92
08/04/04 05:30:02.0	27.16

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/04/04 06:30:02.0	27.04
08/04/04 07:30:02.0	27.14
08/04/04 08:30:02.0	27.19
08/04/04 09:30:02.0	27.19
08/04/04 10:30:02.0	27.28
08/04/04 11:30:02.0	27.38
08/04/04 12:30:02.0	27.46
08/04/04 13:30:02.0	27.51
08/04/04 14:30:02.0	27.65
08/04/04 15:30:02.0	27.97
08/04/04 16:30:02.0	28.30
08/04/04 17:30:02.0	27.85
08/04/04 18:30:02.0	27.46
08/04/04 19:30:02.0	27.41
08/04/04 20:30:02.0	27.43
08/04/04 21:30:02.0	27.48
08/04/04 22:30:02.0	27.51
08/04/04 23:30:02.0	27.53
08/05/04 00:30:02.0	27.53
08/05/04 01:30:02.0	27.60
08/05/04 02:30:02.0	27.63
08/05/04 03:30:02.0	27.43
08/05/04 04:30:02.0	27.53
08/05/04 05:30:02.0	27.75
08/05/04 06:30:02.0	27.83
08/05/04 07:30:02.0	27.90
08/05/04 08:30:02.0	27.85
08/05/04 09:30:02.0	28.02
08/05/04 10:30:02.0	28.25
08/05/04 11:30:02.0	28.27
08/05/04 12:30:02.0	28.32
08/05/04 13:30:02.0	28.44
08/05/04 14:30:02.0	28.42
08/05/04 15:30:02.0	28.37
08/05/04 16:30:02.0	28.05
08/05/04 17:30:02.0	27.78
08/05/04 18:30:02.0	27.70
08/05/04 19:30:02.0	27.48
08/05/04 20:30:02.0	27.24
08/05/04 21:30:02.0	27.24
08/05/04 22:30:02.0	27.26
08/05/04 23:30:02.0	27.31
08/06/04 00:30:02.0	27.31
08/06/04 01:30:02.0	27.36
08/06/04 02:30:02.0	27.58
08/06/04 03:30:02.0	27.68
08/06/04 04:30:02.0	27.73
08/06/04 05:30:02.0	27.90
08/06/04 06:30:02.0	27.90
08/06/04 07:30:02.0	28.02
08/06/04 08:30:02.0	28.12
08/06/04 09:30:02.0	28.17
08/06/04 10:30:02.0	28.20
08/06/04 11:30:02.0	28.20
08/06/04 12:30:02.0	28.20
08/06/04 13:30:02.0	28.12
08/06/04 14:30:02.0	28.17
08/06/04 15:30:02.0	28.20
08/06/04 16:30:02.0	28.32
08/06/04 17:30:02.0	27.85
08/06/04 18:30:02.0	27.95
08/06/04 19:30:02.0	27.83
08/06/04 20:30:02.0	27.85
08/06/04 21:30:02.0	27.60
08/06/04 22:30:02.0	27.70
08/06/04 23:30:02.0	27.83
08/07/04 00:30:02.0	27.90
08/07/04 01:30:02.0	28.02

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/07/04 02:30:02.0	28.05
08/07/04 03:30:02.0	28.10
08/07/04 04:30:02.0	28.32
08/07/04 05:30:02.0	27.95
08/07/04 06:30:02.0	27.24
08/07/04 07:30:02.0	27.14
08/07/04 08:30:02.0	27.16
08/07/04 09:30:02.0	27.28
08/07/04 10:30:02.0	27.36
08/07/04 11:30:02.0	27.41
08/07/04 12:30:02.0	27.58
08/07/04 13:30:02.0	27.90
08/07/04 14:30:02.0	27.78
08/07/04 15:30:02.0	27.85
08/07/04 16:30:02.0	27.63
08/07/04 17:30:02.0	27.53
08/07/04 18:30:02.0	27.46
08/07/04 19:30:02.0	27.36
08/07/04 20:30:02.0	26.09
08/07/04 21:30:02.0	26.11
08/07/04 22:30:02.0	26.11
08/07/04 23:30:02.0	26.13
08/08/04 00:30:02.0	26.21
08/08/04 01:30:02.0	26.23
08/08/04 02:30:02.0	26.35
08/08/04 03:30:02.0	26.38
08/08/04 04:30:02.0	26.50
08/08/04 05:30:02.0	26.57
08/08/04 06:30:02.0	26.97
08/08/04 07:30:02.0	27.01
08/08/04 08:30:02.0	26.09
08/08/04 09:30:02.0	26.13
08/08/04 10:30:02.0	26.23
08/08/04 11:30:02.0	26.30
08/08/04 12:30:02.0	26.40
08/08/04 13:30:02.0	26.52
08/08/04 14:30:02.0	27.33
08/08/04 15:30:02.0	27.16
08/08/04 16:30:02.0	26.99
08/08/04 17:30:02.0	26.97
08/08/04 18:30:02.0	27.01
08/08/04 19:30:02.0	26.79
08/08/04 20:30:02.0	26.77
08/08/04 21:30:02.0	26.48
08/08/04 22:30:02.0	26.21
08/08/04 23:30:02.0	26.28
08/09/04 00:30:02.0	26.33
08/09/04 01:30:02.0	26.60
08/09/04 02:30:02.0	26.57
08/09/04 03:30:02.0	26.50
08/09/04 04:30:02.0	26.50
08/09/04 05:30:02.0	26.55
08/09/04 06:30:02.0	26.57
08/09/04 07:30:02.0	26.72
08/09/04 08:30:02.0	26.60
08/09/04 09:30:02.0	26.72
08/09/04 10:30:02.0	26.89
08/09/04 11:30:02.0	26.99
08/09/04 12:30:02.0	27.09
08/09/04 13:30:02.0	27.24
08/09/04 14:30:02.0	27.11
08/09/04 15:30:02.0	26.94
08/09/04 16:30:02.0	27.21
08/09/04 17:30:02.0	27.28
08/09/04 18:30:02.0	27.04
08/09/04 19:30:02.0	26.92
08/09/04 20:30:02.0	26.87
08/09/04 21:30:02.0	26.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/09/04 22:30:02.0	26.72
08/09/04 23:30:02.0	26.72
08/10/04 00:30:02.0	26.74
08/10/04 01:30:02.0	26.60
08/10/04 02:30:02.0	26.28
08/10/04 03:30:02.0	26.01
08/10/04 04:30:02.0	25.87
08/10/04 05:30:02.0	26.04
08/10/04 06:30:02.0	26.06
08/10/04 07:30:02.0	26.18
08/10/04 08:30:02.0	26.84
08/10/04 09:30:02.0	26.84
08/10/04 10:30:02.0	27.16
08/10/04 11:30:02.0	27.36
08/10/04 12:30:02.0	27.53
08/10/04 13:30:02.0	27.58
08/10/04 14:30:02.0	27.21
08/10/04 15:30:02.0	27.26
08/10/04 16:30:02.0	27.26
08/10/04 17:30:02.0	27.06
08/10/04 18:30:02.0	26.82
08/10/04 19:30:02.0	26.94
08/10/04 20:30:02.0	26.77
08/10/04 21:30:02.0	26.70
08/10/04 22:30:02.0	26.70
08/10/04 23:30:02.0	26.48
08/11/04 00:30:02.0	26.18
08/11/04 01:30:02.0	25.89
08/11/04 02:30:02.0	26.06
08/11/04 03:30:02.0	26.09
08/11/04 04:30:02.0	26.13
08/11/04 05:30:02.0	26.16
08/11/04 06:30:02.0	26.26
08/11/04 07:30:02.0	26.40
08/11/04 08:30:02.0	26.48
08/11/04 09:30:02.0	26.52
08/11/04 10:30:02.0	26.62
08/11/04 11:30:02.0	26.82
08/11/04 12:30:02.0	26.67
08/11/04 13:30:02.0	26.70
08/11/04 14:30:02.0	26.74
08/11/04 15:30:02.0	26.94
08/11/04 16:30:02.0	26.94
08/11/04 17:30:02.0	26.99
08/11/04 18:30:02.0	27.04
08/11/04 19:30:02.0	27.46
08/11/04 20:30:02.0	27.09
08/11/04 21:30:02.0	27.04
08/11/04 22:30:02.0	27.09
08/11/04 23:30:02.0	27.24
08/12/04 00:30:02.0	27.21
08/12/04 01:30:02.0	27.28
08/12/04 02:30:02.0	26.94
08/12/04 03:30:02.0	26.94
08/12/04 04:30:02.0	26.94
08/12/04 05:30:02.0	26.97
08/12/04 06:30:02.0	26.99
08/12/04 07:30:02.0	27.01
08/12/04 08:30:02.0	27.06
08/12/04 09:30:02.0	27.09
08/12/04 10:30:02.0	27.06
08/12/04 11:30:02.0	26.97
08/12/04 12:30:02.0	27.09
08/12/04 13:30:02.0	27.01
08/12/04 14:30:02.0	27.01
08/12/04 15:30:02.0	27.14
08/12/04 16:30:02.0	27.16
08/12/04 17:30:02.0	26.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/12/04 18:30:02.0	26.87
08/12/04 19:30:02.0	26.28
08/12/04 20:30:02.0	26.50
08/12/04 21:30:02.0	27.19
08/12/04 22:30:02.0	27.09
08/12/04 23:30:02.0	25.70
08/13/04 00:30:02.0	25.87
08/13/04 01:30:02.0	25.94
08/13/04 02:30:02.0	25.65
08/13/04 03:30:02.0	25.48
08/13/04 04:30:02.0	25.48
08/13/04 05:30:02.0	25.65
08/13/04 06:30:02.0	25.82
08/13/04 07:30:02.0	25.87
08/13/04 08:30:02.0	25.89
08/13/04 09:30:02.0	25.96
08/13/04 10:30:02.0	26.09
08/13/04 11:30:02.0	26.16
08/13/04 12:30:02.0	26.28
08/13/04 13:30:02.0	26.40
08/13/04 14:30:02.0	26.55
08/13/04 15:30:02.0	26.35
08/13/04 16:30:02.0	26.16
08/13/04 17:30:02.0	25.94
08/13/04 18:30:02.0	25.82
08/13/04 19:30:02.0	25.67
08/13/04 20:30:02.0	25.77
08/13/04 21:30:02.0	25.79
08/13/04 22:30:02.0	25.89
08/13/04 23:30:02.0	27.01
08/14/04 00:30:02.0	27.68
08/14/04 01:30:02.0	27.97
08/14/04 02:30:02.0	27.65
08/14/04 03:30:02.0	26.92
08/14/04 04:30:02.0	27.14
08/14/04 05:30:02.0	26.84
08/14/04 06:30:02.0	26.26
08/14/04 07:30:02.0	25.99
08/14/04 08:30:02.0	26.01
08/14/04 09:30:02.0	26.11
08/14/04 10:30:02.0	26.23
08/14/04 11:30:02.0	26.30
08/14/04 12:30:02.0	26.40
08/14/04 13:30:02.0	26.50
08/14/04 14:30:02.0	26.60
08/14/04 15:30:02.0	26.67
08/14/04 16:30:02.0	26.79
08/14/04 17:30:02.0	26.94
08/14/04 18:30:02.0	26.70
08/14/04 19:30:02.0	26.26
08/14/04 20:30:02.0	26.35
08/14/04 21:30:02.0	28.30
08/14/04 22:30:02.0	28.15
08/14/04 23:30:02.0	28.44
08/15/04 00:30:02.0	28.64
08/15/04 01:30:02.0	28.69
08/15/04 02:30:02.0	28.72
08/15/04 03:30:02.0	28.77
08/15/04 04:30:02.0	26.28
08/15/04 05:30:02.0	26.23
08/15/04 06:30:02.0	26.13
08/15/04 07:30:02.0	26.23
08/15/04 08:30:02.0	26.23
08/15/04 09:30:02.0	26.30
08/15/04 10:30:02.0	26.38
08/15/04 11:30:02.0	26.48
08/15/04 12:30:02.0	26.57
08/15/04 13:30:02.0	26.65

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/15/04 14:30:02.0	26.72
08/15/04 15:30:02.0	26.79
08/15/04 16:30:02.0	26.87
08/15/04 17:30:02.0	26.94
08/15/04 18:30:02.0	26.94
08/15/04 19:30:02.0	26.97
08/15/04 20:30:02.0	27.01
08/15/04 21:30:02.0	27.09
08/15/04 22:30:02.0	28.54
08/15/04 23:30:02.0	28.64
08/16/04 00:30:02.0	28.62
08/16/04 01:30:02.0	28.59
08/16/04 02:30:02.0	28.10
08/16/04 03:30:02.0	28.20
08/16/04 04:30:02.0	28.30
08/16/04 05:30:02.0	28.32
08/16/04 06:30:02.0	28.27
08/16/04 07:30:02.0	28.27
08/16/04 08:30:02.0	28.17
08/16/04 09:30:02.0	28.10
08/16/04 10:30:02.0	28.22
08/16/04 11:30:02.0	28.22
08/16/04 12:30:02.0	28.25
08/16/04 13:30:02.0	28.30
08/16/04 14:30:02.0	28.37
08/16/04 15:30:02.0	28.42
08/16/04 16:30:02.0	28.47
08/16/04 17:30:02.0	28.44
08/16/04 18:30:02.0	28.42
08/16/04 19:30:02.0	28.42
08/16/04 20:30:02.0	28.44
08/16/04 21:30:02.0	28.49
08/16/04 22:30:02.0	28.54
08/16/04 23:30:02.0	28.52
08/17/04 00:30:02.0	28.54
08/17/04 01:30:02.0	28.74
08/17/04 02:30:02.0	28.79
08/17/04 03:30:02.0	28.77
08/17/04 04:30:02.0	28.72
08/17/04 05:30:02.0	28.64
08/17/04 06:30:02.0	28.64
08/17/04 07:30:02.0	28.67
08/17/04 08:30:02.0	28.62
08/17/04 09:30:02.0	28.62
08/17/04 10:30:02.0	28.69
08/17/04 11:30:02.0	28.69
08/17/04 12:30:02.0	28.57
08/17/04 13:30:02.0	28.64
08/17/04 14:30:02.0	28.57
08/17/04 15:30:02.0	28.57
08/17/04 16:30:02.0	28.62
08/17/04 17:30:02.0	28.64
08/17/04 18:30:02.0	28.72
08/17/04 19:30:02.0	28.74
08/17/04 20:30:02.0	28.74
08/17/04 21:30:02.0	28.82
08/17/04 22:30:02.0	28.77
08/17/04 23:30:02.0	28.74
08/18/04 00:30:02.0	28.69
08/18/04 01:30:02.0	28.17
08/18/04 02:30:02.0	27.53
08/18/04 03:30:02.0	27.68
08/18/04 04:30:02.0	27.60
08/18/04 05:30:02.0	27.58
08/18/04 06:30:02.0	27.46
08/18/04 07:30:02.0	27.53
08/18/04 08:30:02.0	27.73
08/18/04 09:30:02.0	27.83

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/18/04 10:30:02.0	28.15
08/18/04 11:30:02.0	28.15
08/18/04 12:30:02.0	28.10
08/18/04 13:30:02.0	28.22
08/18/04 14:30:02.0	28.32
08/18/04 15:30:02.0	28.22
08/18/04 16:30:02.0	28.05
08/18/04 17:30:02.0	28.07
08/18/04 18:30:02.0	28.02
08/18/04 19:30:02.0	27.97
08/18/04 20:30:02.0	28.05
08/18/04 21:30:02.0	28.00
08/18/04 22:30:02.0	28.07
08/18/04 23:30:02.0	27.97
08/19/04 00:30:02.0	27.78
08/19/04 01:30:02.0	27.73
08/19/04 02:30:02.0	27.73
08/19/04 03:30:02.0	27.60
08/19/04 04:30:02.0	27.46
08/19/04 05:30:02.0	26.94
08/19/04 06:30:02.0	26.89
08/19/04 07:30:02.0	26.94
08/19/04 08:30:02.0	27.04
08/19/04 09:30:02.0	27.41
08/19/04 10:30:02.0	27.43
08/19/04 11:30:02.0	27.41
08/19/04 12:30:02.0	27.43
08/19/04 13:30:02.0	27.48
08/19/04 14:30:02.0	27.75
08/19/04 15:30:02.0	27.53
08/19/04 16:30:02.0	27.65
08/19/04 17:30:02.0	27.36
08/19/04 18:30:02.0	27.26
08/19/04 19:30:02.0	27.38
08/19/04 20:30:02.0	27.55
08/19/04 21:30:02.0	27.68
08/19/04 22:30:02.0	27.60
08/19/04 23:30:02.0	27.63
08/20/04 00:30:02.0	27.63
08/20/04 01:30:02.0	27.75
08/20/04 02:30:02.0	27.95
08/20/04 03:30:02.0	27.55
08/20/04 04:30:02.0	27.14
08/20/04 05:30:02.0	26.77
08/20/04 06:30:02.0	26.67
08/20/04 07:30:02.0	26.65
08/20/04 08:30:02.0	26.65
08/20/04 09:30:02.0	26.77
08/20/04 10:30:02.0	26.89
08/20/04 11:30:02.0	26.97
08/20/04 12:30:02.0	27.09
08/20/04 13:30:02.0	27.24
08/20/04 14:30:02.0	27.21
08/20/04 15:30:02.0	26.87
08/20/04 16:30:02.0	26.94
08/20/04 17:30:02.0	27.04
08/20/04 18:30:02.0	27.19
08/20/04 19:30:02.0	27.09
08/20/04 20:30:02.0	27.36
08/20/04 21:30:02.0	27.38
08/20/04 22:30:02.0	27.53
08/20/04 23:30:02.0	27.55
08/21/04 00:30:02.0	27.58
08/21/04 01:30:02.0	27.63
08/21/04 02:30:02.0	27.48
08/21/04 03:30:02.0	27.19
08/21/04 04:30:02.0	27.21
08/21/04 05:30:02.0	27.28

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/21/04 06:30:02.0	26.77
08/21/04 07:30:02.0	26.30
08/21/04 08:30:02.0	26.28
08/21/04 09:30:02.0	26.38
08/21/04 10:30:02.0	26.43
08/21/04 11:30:02.0	26.48
08/21/04 12:30:02.0	26.60
08/21/04 13:30:02.0	26.67
08/21/04 14:30:02.0	26.74
08/21/04 15:30:02.0	27.33
08/21/04 16:30:02.0	27.11
08/21/04 17:30:02.0	27.16
08/21/04 18:30:02.0	27.04
08/21/04 19:30:02.0	26.84
08/21/04 20:30:02.0	26.92
08/21/04 21:30:02.0	27.01
08/21/04 22:30:02.0	27.26
08/21/04 23:30:02.0	27.48
08/22/04 00:30:02.0	27.58
08/22/04 01:30:02.0	27.60
08/22/04 02:30:02.0	27.73
08/22/04 03:30:02.0	27.97
08/22/04 04:30:02.0	27.73
08/22/04 05:30:02.0	27.53
08/22/04 06:30:02.0	27.48
08/22/04 07:30:02.0	27.53
08/22/04 08:30:02.0	27.60
08/22/04 09:30:02.0	26.87
08/22/04 10:30:02.0	26.74
08/22/04 11:30:02.0	26.79
08/22/04 12:30:02.0	26.84
08/22/04 13:30:02.0	27.01
08/22/04 14:30:02.0	27.06
08/22/04 15:30:02.0	27.14
08/22/04 16:30:02.0	27.24
08/22/04 17:30:02.0	26.50
08/22/04 18:30:02.0	25.79
08/22/04 19:30:02.0	25.72
08/22/04 20:30:02.0	25.70
08/22/04 21:30:02.0	25.74
08/22/04 22:30:02.0	25.94
08/22/04 23:30:02.0	26.01
08/23/04 00:30:02.0	26.09
08/23/04 01:30:02.0	26.16
08/23/04 02:30:02.0	26.21
08/23/04 03:30:02.0	26.23
08/23/04 04:30:02.0	26.28
08/23/04 05:30:02.0	26.65
08/23/04 06:30:02.0	27.41
08/23/04 07:30:02.0	27.53
08/23/04 08:30:02.0	27.48
08/23/04 09:30:02.0	27.43
08/23/04 10:30:02.0	27.41
08/23/04 11:30:02.0	27.48
08/23/04 12:30:02.0	26.79
08/23/04 13:30:02.0	26.72
08/23/04 14:30:02.0	26.82
08/23/04 15:30:02.0	26.84
08/23/04 16:30:02.0	26.87
08/23/04 17:30:02.0	26.84
08/23/04 18:30:02.0	26.89
08/23/04 19:30:02.0	26.89
08/23/04 20:30:02.0	26.92
08/23/04 21:30:02.0	26.97
08/23/04 22:30:02.0	26.97
08/23/04 23:30:02.0	26.99
08/24/04 00:30:02.0	26.99
08/24/04 01:30:02.0	27.04

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/24/04 02:30:02.0	27.04
08/24/04 03:30:02.0	27.11
08/24/04 04:30:02.0	27.46
08/24/04 05:30:02.0	27.65
08/24/04 06:30:02.0	27.83
08/24/04 07:30:02.0	27.75
08/24/04 08:30:02.0	27.80
08/24/04 09:30:02.0	27.80
08/24/04 10:30:02.0	26.23
08/24/04 11:30:02.0	25.99
08/24/04 12:30:02.0	25.84
08/24/04 13:30:02.0	25.77
08/24/04 14:30:02.0	25.87
08/24/04 15:30:02.0	25.99
08/24/04 16:30:02.0	25.94
08/24/04 17:30:02.0	25.99
08/24/04 18:30:02.0	26.04
08/24/04 19:30:02.0	26.04
08/24/04 20:30:02.0	26.09
08/24/04 21:30:02.0	26.11
08/24/04 22:30:02.0	26.11
08/24/04 23:30:02.0	26.11
08/25/04 00:30:02.0	26.13
08/25/04 01:30:02.0	26.16
08/25/04 02:30:02.0	26.18
08/25/04 03:30:02.0	26.21
08/25/04 04:30:02.0	26.23
08/25/04 05:30:02.0	26.26
08/25/04 06:30:02.0	28.00
08/25/04 07:30:02.0	28.02
08/25/04 08:30:02.0	28.05
08/25/04 09:30:02.0	27.97
08/25/04 10:30:02.0	27.58
08/25/04 11:30:02.0	27.53
08/25/04 12:30:02.0	27.65
08/25/04 13:30:02.0	27.48
08/25/04 14:30:02.0	27.31
08/25/04 15:30:02.0	26.94
08/25/04 16:30:02.0	26.74
08/25/04 17:30:02.0	26.87
08/25/04 18:30:02.0	26.84
08/25/04 19:30:02.0	26.87
08/25/04 20:30:02.0	26.87
08/25/04 21:30:02.0	26.92
08/25/04 22:30:02.0	26.94
08/25/04 23:30:02.0	26.94
08/26/04 00:30:02.0	26.94
08/26/04 01:30:02.0	26.99
08/26/04 02:30:02.0	27.01
08/26/04 03:30:02.0	27.09
08/26/04 04:30:02.0	27.06
08/26/04 05:30:02.0	27.14
08/26/04 06:30:02.0	27.14
08/26/04 07:30:02.0	27.16
08/26/04 08:30:02.0	27.33
08/26/04 09:30:02.0	27.38
08/26/04 10:30:02.0	27.58
08/26/04 11:30:02.0	27.58
08/26/04 12:30:02.0	27.70
08/26/04 13:30:02.0	27.88
08/26/04 14:30:02.0	27.92
08/26/04 15:30:02.0	28.05
08/26/04 16:30:02.0	28.07
08/26/04 17:30:02.0	28.10
08/26/04 18:30:02.0	28.15
08/26/04 19:30:02.0	28.20
08/26/04 20:30:02.0	28.15
08/26/04 21:30:02.0	28.20

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/26/04 22:30:02.0	28.22
08/26/04 23:30:02.0	28.20
08/27/04 00:30:02.0	28.22
08/27/04 01:30:02.0	27.65
08/27/04 02:30:02.0	27.75
08/27/04 03:30:02.0	27.75
08/27/04 04:30:02.0	27.78
08/27/04 05:30:02.0	27.83
08/27/04 06:30:02.0	28.42
08/27/04 07:30:02.0	29.02
08/27/04 08:30:02.0	29.14
08/27/04 09:30:02.0	29.17
08/27/04 10:30:02.0	29.22
08/27/04 11:30:02.0	29.27
08/27/04 12:30:02.0	29.29
08/27/04 13:30:02.0	29.32
08/27/04 14:30:02.0	29.37
08/27/04 15:30:02.0	29.39
08/27/04 16:30:02.0	29.39
08/27/04 17:30:02.0	29.37
08/27/04 18:30:02.0	29.37
08/27/04 19:30:02.0	29.34
08/27/04 20:30:02.0	29.34
08/27/04 21:30:02.0	29.32
08/27/04 22:30:02.0	29.32
08/27/04 23:30:02.0	28.97
08/28/04 00:30:02.0	28.84
08/28/04 01:30:02.0	28.84
08/28/04 02:30:02.0	28.97
08/28/04 03:30:02.0	28.97
08/28/04 04:30:02.0	28.97
08/28/04 05:30:02.0	28.97
08/28/04 06:30:02.0	29.04
08/28/04 07:30:02.0	29.34
08/28/04 08:30:02.0	29.44
08/28/04 09:30:02.0	29.32
08/28/04 10:30:02.0	29.29
08/28/04 11:30:02.0	29.09
08/28/04 12:30:02.0	28.87
08/28/04 13:30:02.0	28.92
08/28/04 14:30:02.0	28.94
08/28/04 15:30:02.0	28.92
08/28/04 16:30:02.0	28.97
08/28/04 17:30:02.0	28.97
08/28/04 18:30:02.0	28.94
08/28/04 19:30:02.0	28.97
08/28/04 20:30:02.0	28.97
08/28/04 21:30:02.0	28.97
08/28/04 22:30:02.0	29.02
08/28/04 23:30:02.0	29.04
08/29/04 00:30:02.0	29.04
08/29/04 01:30:02.0	29.12
08/29/04 02:30:02.0	28.79
08/29/04 03:30:02.0	28.62
08/29/04 04:30:02.0	28.62
08/29/04 05:30:02.0	28.64
08/29/04 06:30:02.0	28.64
08/29/04 07:30:02.0	28.67
08/29/04 08:30:02.0	28.97
08/29/04 09:30:02.0	29.14
08/29/04 10:30:02.0	29.17
08/29/04 11:30:02.0	29.22
08/29/04 12:30:02.0	29.27
08/29/04 13:30:02.0	29.29
08/29/04 14:30:02.0	29.29
08/29/04 15:30:02.0	29.44
08/29/04 16:30:02.0	29.41
08/29/04 17:30:02.0	29.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
08/29/04 18:30:02.0	29.46
08/29/04 19:30:02.0	29.41
08/29/04 20:30:02.0	29.41
08/29/04 21:30:02.0	29.46
08/29/04 22:30:02.0	29.41
08/29/04 23:30:02.0	29.39
08/30/04 00:30:02.0	29.41
08/30/04 01:30:02.0	28.59
08/30/04 02:30:02.0	28.30
08/30/04 03:30:02.0	28.25
08/30/04 04:30:02.0	28.27
08/30/04 05:30:02.0	28.30
08/30/04 06:30:02.0	28.35
08/30/04 07:30:02.0	28.37
08/30/04 08:30:02.0	28.39
08/30/04 09:30:02.0	28.47
08/30/04 10:30:02.0	28.59
08/30/04 11:30:02.0	28.84
08/30/04 12:30:02.0	28.92
08/30/04 13:30:02.0	28.94
08/30/04 14:30:02.0	28.99
08/30/04 15:30:02.0	29.02
08/30/04 16:30:02.0	29.09
08/30/04 17:30:02.0	29.17
08/30/04 18:30:02.0	29.22
08/30/04 19:30:02.0	29.17
08/30/04 20:30:02.0	29.14
08/30/04 21:30:02.0	29.14
08/30/04 22:30:02.0	29.14
08/30/04 23:30:02.0	29.14
08/31/04 00:30:02.0	29.14
08/31/04 01:30:02.0	29.12
08/31/04 02:30:02.0	29.19
08/31/04 03:30:02.0	29.19
08/31/04 04:30:02.0	29.39
08/31/04 05:30:02.0	29.09
08/31/04 06:30:02.0	28.94
08/31/04 07:30:02.0	28.97
08/31/04 08:30:02.0	28.99
08/31/04 09:30:02.0	29.04
08/31/04 10:30:02.0	29.07
08/31/04 11:30:02.0	29.34
08/31/04 12:30:02.0	29.62
08/31/04 13:30:02.0	29.57
08/31/04 14:30:02.0	29.57
08/31/04 15:30:02.0	29.67
08/31/04 16:30:02.0	29.19
08/31/04 17:30:02.0	29.17
08/31/04 18:30:02.0	29.27
08/31/04 19:30:02.0	29.24
08/31/04 20:30:02.0	29.24
08/31/04 21:30:02.0	29.24
08/31/04 22:30:02.0	29.39
08/31/04 23:30:02.0	29.37
09/01/04 00:30:02.0	29.34
09/01/04 01:30:02.0	29.39
09/01/04 02:30:02.0	29.29
09/01/04 03:30:02.0	29.04
09/01/04 04:30:02.0	29.04
09/01/04 05:30:02.0	28.89
09/01/04 06:30:02.0	28.92
09/01/04 07:30:02.0	28.52
09/01/04 08:30:02.0	28.59
09/01/04 09:30:02.0	28.67
09/01/04 10:30:02.0	28.74
09/01/04 11:30:02.0	28.77
09/01/04 12:30:02.0	28.77
09/01/04 13:30:02.0	28.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/01/04 14:30:02.0	28.94
09/01/04 15:30:02.0	28.94
09/01/04 16:30:02.0	28.97
09/01/04 17:30:02.0	28.99
09/01/04 18:30:02.0	29.22
09/01/04 19:30:02.0	29.19
09/01/04 20:30:02.0	29.02
09/01/04 21:30:02.0	28.97
09/01/04 22:30:02.0	28.99
09/01/04 23:30:02.0	28.99
09/02/04 00:30:02.0	29.02
09/02/04 01:30:02.0	29.02
09/02/04 02:30:02.0	29.02
09/02/04 03:30:02.0	29.04
09/02/04 04:30:02.0	29.04
09/02/04 05:30:02.0	29.07
09/02/04 06:30:02.0	29.37
09/02/04 07:30:02.0	29.41
09/02/04 08:30:02.0	29.44
09/02/04 09:30:02.0	29.52
09/02/04 10:30:02.0	29.34
09/02/04 11:30:02.0	29.54
09/02/04 12:30:02.0	29.54
09/02/04 13:30:02.0	29.54
09/02/04 14:30:02.0	29.52
09/02/04 15:30:02.0	29.54
09/02/04 16:30:02.0	29.52
09/02/04 17:30:02.0	29.17
09/02/04 18:30:02.0	29.19
09/02/04 19:30:02.0	29.41
09/02/04 20:30:02.0	28.94
09/02/04 21:30:02.0	28.94
09/02/04 22:30:02.0	29.07
09/02/04 23:30:02.0	29.37
09/03/04 00:30:02.0	29.39
09/03/04 01:30:02.0	29.41
09/03/04 02:30:02.0	29.37
09/03/04 03:30:02.0	29.41
09/03/04 04:30:02.0	29.07
09/03/04 05:30:02.0	29.22
09/03/04 06:30:02.0	28.99
09/03/04 07:30:02.0	29.04
09/03/04 08:30:02.0	29.07
09/03/04 09:30:02.0	29.09
09/03/04 10:30:02.0	29.12
09/03/04 11:30:02.0	29.17
09/03/04 12:30:02.0	29.19
09/03/04 13:30:02.0	29.22
09/03/04 14:30:02.0	29.22
09/03/04 15:30:02.0	29.24
09/03/04 16:30:02.0	29.22
09/03/04 17:30:02.0	29.24
09/03/04 18:30:02.0	29.24
09/03/04 19:30:02.0	29.24
09/03/04 20:30:02.0	29.34
09/03/04 21:30:02.0	29.39
09/03/04 22:30:02.0	29.37
09/03/04 23:30:02.0	29.39
09/04/04 00:30:02.0	29.41
09/04/04 01:30:02.0	29.34
09/04/04 02:30:02.0	29.32
09/04/04 03:30:02.0	29.22
09/04/04 04:30:02.0	29.17
09/04/04 05:30:02.0	29.14
09/04/04 06:30:02.0	29.19
09/04/04 07:30:02.0	29.17
09/04/04 08:30:02.0	29.19
09/04/04 09:30:02.0	29.24

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/04/04 10:30:02.0	29.17
09/04/04 11:30:02.0	29.22
09/04/04 12:30:02.0	29.29
09/04/04 13:30:02.0	29.41
09/04/04 14:30:02.0	29.44
09/04/04 15:30:02.0	29.44
09/04/04 16:30:02.0	29.46
09/04/04 17:30:02.0	29.44
09/04/04 18:30:02.0	29.44
09/04/04 19:30:02.0	29.44
09/04/04 20:30:02.0	29.44
09/04/04 21:30:02.0	29.39
09/04/04 22:30:02.0	29.37
09/04/04 23:30:02.0	29.27
09/05/04 00:30:02.0	29.27
09/05/04 01:30:02.0	29.32
09/05/04 02:30:02.0	29.37
09/05/04 03:30:02.0	29.24
09/05/04 04:30:02.0	29.24
09/05/04 05:30:02.0	29.27
09/05/04 06:30:02.0	29.24
09/05/04 07:30:02.0	29.27
09/05/04 08:30:02.0	29.27
09/05/04 09:30:02.0	29.32
09/05/04 10:30:02.0	29.39
09/05/04 11:30:02.0	29.39
09/05/04 12:30:02.0	29.41
09/05/04 13:30:02.0	29.46
09/05/04 14:30:02.0	29.49
09/05/04 15:30:02.0	29.57
09/05/04 16:30:02.0	29.59
09/05/04 17:30:02.0	29.57
09/05/04 18:30:02.0	29.54
09/05/04 19:30:02.0	29.52
09/05/04 20:30:02.0	29.49
09/05/04 21:30:02.0	29.49
09/05/04 22:30:02.0	29.46
09/05/04 23:30:02.0	29.46
09/06/04 00:30:02.0	29.46
09/06/04 01:30:02.0	29.46
09/06/04 02:30:02.0	29.46
09/06/04 03:30:02.0	29.46
09/06/04 04:30:02.0	29.46
09/06/04 05:30:02.0	29.46
09/06/04 06:30:02.0	29.46
09/06/04 07:30:02.0	29.46
09/06/04 08:30:02.0	29.49
09/06/04 09:30:02.0	29.49
09/06/04 10:30:02.0	29.54
09/06/04 11:30:02.0	29.57
09/06/04 12:30:02.0	29.59
09/06/04 13:30:02.0	29.62
09/06/04 14:30:02.0	29.64
09/06/04 15:30:02.0	29.67
09/06/04 16:30:02.0	29.69
09/06/04 17:30:02.0	29.69
09/06/04 18:30:02.0	29.62
09/06/04 19:30:02.0	29.57
09/06/04 20:30:02.0	29.54
09/06/04 21:30:02.0	29.54
09/06/04 22:30:02.0	29.54
09/06/04 23:30:02.0	29.52
09/07/04 00:30:02.0	29.52
09/07/04 01:30:02.0	29.52
09/07/04 02:30:02.0	29.52
09/07/04 03:30:02.0	29.49
09/07/04 04:30:02.0	29.44
09/07/04 05:30:02.0	29.44

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/07/04 06:30:02.0	29.44
09/07/04 07:30:02.0	29.44
09/07/04 08:30:02.0	29.46
09/07/04 09:30:02.0	29.49
09/07/04 10:30:02.0	29.49
09/07/04 11:30:02.0	29.49
09/07/04 12:30:02.0	29.49
09/07/04 13:30:02.0	29.49
09/07/04 14:30:02.0	29.46
09/07/04 15:30:02.0	29.49
09/07/04 16:30:02.0	29.54
09/07/04 17:30:02.0	29.57
09/07/04 18:30:02.0	29.57
09/07/04 19:30:02.0	29.57
09/07/04 20:30:02.0	29.52
09/07/04 21:30:02.0	29.46
09/07/04 22:30:02.0	29.49
09/07/04 23:30:02.0	29.39
09/08/04 00:30:02.0	29.29
09/08/04 01:30:02.0	29.29
09/08/04 02:30:02.0	29.34
09/08/04 03:30:02.0	29.41
09/08/04 04:30:02.0	29.22
09/08/04 05:30:02.0	29.09
09/08/04 06:30:02.0	29.02
09/08/04 07:30:02.0	29.02
09/08/04 08:30:02.0	29.02
09/08/04 09:30:02.0	28.92
09/08/04 10:30:02.0	28.92
09/08/04 11:30:02.0	28.97
09/08/04 12:30:02.0	29.07
09/08/04 13:30:02.0	29.17
09/08/04 14:30:02.0	29.24
09/08/04 15:30:02.0	29.29
09/08/04 16:30:02.0	29.32
09/08/04 17:30:02.0	29.34
09/08/04 18:30:02.0	29.34
09/08/04 19:30:02.0	29.34
09/08/04 20:30:02.0	29.34
09/08/04 21:30:02.0	29.34
09/08/04 22:30:02.0	29.34
09/08/04 23:30:02.0	29.34
09/09/04 00:30:02.0	29.37
09/09/04 01:30:02.0	29.39
09/09/04 02:30:02.0	29.34
09/09/04 03:30:02.0	29.34
09/09/04 04:30:02.0	29.32
09/09/04 05:30:02.0	29.34
09/09/04 06:30:02.0	29.32
09/09/04 07:30:02.0	29.32
09/09/04 08:30:02.0	29.34
09/09/04 09:30:02.0	29.37
09/09/04 10:30:02.0	29.37
09/09/04 11:30:02.0	29.39
09/09/04 12:30:02.0	29.46
09/09/04 13:30:02.0	29.49
09/09/04 14:30:02.0	29.49
09/09/04 15:30:02.0	29.54
09/09/04 16:30:02.0	29.54
09/09/04 17:30:02.0	29.54
09/09/04 18:30:02.0	29.54
09/09/04 19:30:02.0	29.54
09/09/04 20:30:02.0	29.54
09/09/04 21:30:02.0	29.37
09/09/04 22:30:02.0	29.41
09/09/04 23:30:02.0	29.49
09/10/04 00:30:02.0	29.49
09/10/04 01:30:02.0	29.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/10/04 02:30:02.0	29.52
09/10/04 03:30:02.0	29.52
09/10/04 04:30:02.0	29.54
09/10/04 05:30:02.0	29.57
09/10/04 06:30:02.0	29.69
09/10/04 07:30:02.0	29.77
09/10/04 08:30:02.0	29.79
09/10/04 09:30:02.0	29.79
09/10/04 10:30:02.0	29.79
09/10/04 11:30:02.0	29.82
09/10/04 12:30:02.0	29.84
09/10/04 13:30:02.0	29.84
09/10/04 14:30:02.0	29.82
09/10/04 15:30:02.0	29.67
09/10/04 16:30:02.0	29.67
09/10/04 17:30:02.0	29.69
09/10/04 18:30:02.0	29.69
09/10/04 19:30:02.0	29.67
09/10/04 20:30:02.0	29.64
09/10/04 21:30:02.0	29.64
09/10/04 22:30:02.0	29.62
09/10/04 23:30:02.0	29.59
09/11/04 00:30:02.0	29.62
09/11/04 01:30:02.0	29.62
09/11/04 02:30:02.0	29.62
09/11/04 03:30:02.0	29.54
09/11/04 04:30:02.0	29.41
09/11/04 05:30:02.0	29.41
09/11/04 06:30:02.0	29.41
09/11/04 07:30:02.0	29.44
09/11/04 08:30:02.0	29.49
09/11/04 09:30:02.0	29.49
09/11/04 10:30:02.0	29.52
09/11/04 11:30:02.0	29.54
09/11/04 12:30:02.0	29.57
09/11/04 13:30:02.0	29.54
09/11/04 14:30:02.0	29.54
09/11/04 15:30:02.0	29.59
09/11/04 16:30:02.0	29.59
09/11/04 17:30:02.0	29.57
09/11/04 18:30:02.0	29.57
09/11/04 19:30:02.0	29.57
09/11/04 20:30:02.0	29.54
09/11/04 21:30:02.0	29.54
09/11/04 22:30:02.0	29.46
09/11/04 23:30:02.0	29.44
09/12/04 00:30:02.0	29.44
09/12/04 01:30:02.0	29.32
09/12/04 02:30:02.0	29.29
09/12/04 03:30:02.0	29.27
09/12/04 04:30:02.0	29.27
09/12/04 05:30:02.0	29.27
09/12/04 06:30:02.0	29.27
09/12/04 07:30:02.0	29.29
09/12/04 08:30:02.0	29.34
09/12/04 09:30:02.0	29.39
09/12/04 10:30:02.0	29.39
09/12/04 11:30:02.0	29.41
09/12/04 12:30:02.0	29.44
09/12/04 13:30:02.0	29.46
09/12/04 14:30:02.0	29.49
09/12/04 15:30:02.0	29.46
09/12/04 16:30:02.0	29.49
09/12/04 17:30:02.0	29.46
09/12/04 18:30:02.0	29.49
09/12/04 19:30:02.0	29.46
09/12/04 20:30:02.0	29.46
09/12/04 21:30:02.0	29.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/12/04 22:30:02.0	29.41
09/12/04 23:30:02.0	29.44
09/13/04 00:30:02.0	29.39
09/13/04 01:30:02.0	29.34
09/13/04 02:30:02.0	29.32
09/13/04 03:30:02.0	29.17
09/13/04 04:30:02.0	29.24
09/13/04 05:30:02.0	29.24
09/13/04 06:30:02.0	29.24
09/13/04 07:30:02.0	29.27
09/13/04 08:30:02.0	29.29
09/13/04 09:30:02.0	29.37
09/13/04 10:30:02.0	29.41
09/13/04 11:30:02.0	29.41
09/13/04 12:30:02.0	29.44
09/13/04 13:30:02.0	29.41
09/13/04 14:30:02.0	29.39
09/13/04 15:30:02.0	29.27
09/13/04 16:30:02.0	29.27
09/13/04 17:30:02.0	29.27
09/13/04 18:30:02.0	29.27
09/13/04 19:30:02.0	29.29
09/13/04 20:30:02.0	29.32
09/13/04 21:30:02.0	29.34
09/13/04 22:30:02.0	29.34
09/13/04 23:30:02.0	29.37
09/14/04 00:30:02.0	29.39
09/14/04 01:30:02.0	29.39
09/14/04 02:30:02.0	29.39
09/14/04 03:30:02.0	29.39
09/14/04 04:30:02.0	29.02
09/14/04 05:30:02.0	29.02
09/14/04 06:30:02.0	29.14
09/14/04 07:30:02.0	29.24
09/14/04 08:30:02.0	29.39
09/14/04 09:30:02.0	29.37
09/14/04 10:30:02.0	29.22
09/14/04 11:30:02.0	29.22
09/14/04 12:30:02.0	29.12
09/14/04 13:30:02.0	29.07
09/14/04 14:30:02.0	29.02
09/14/04 15:30:02.0	29.02
09/14/04 16:30:02.0	29.19
09/14/04 17:30:02.0	29.37
09/14/04 18:30:02.0	29.24
09/14/04 19:30:02.0	29.12
09/14/04 20:30:02.0	29.14
09/14/04 21:30:02.0	29.19
09/14/04 22:30:02.0	29.22
09/14/04 23:30:02.0	29.29
09/15/04 00:30:02.0	29.29
09/15/04 01:30:02.0	28.79
09/15/04 02:30:02.0	28.67
09/15/04 03:30:02.0	28.72
09/15/04 04:30:02.0	28.72
09/15/04 05:30:02.0	28.92
09/15/04 06:30:02.0	28.92
09/15/04 07:30:02.0	28.97
09/15/04 08:30:02.0	29.04
09/15/04 09:30:02.0	29.14
09/15/04 10:30:02.0	29.24
09/15/04 11:30:02.0	29.27
09/15/04 12:30:02.0	29.04
09/15/04 13:30:02.0	28.47
09/15/04 14:30:02.0	28.00
09/15/04 15:30:02.0	27.88
09/15/04 16:30:02.0	27.92
09/15/04 17:30:02.0	28.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/15/04 18:30:02.0	28.42
09/15/04 19:30:02.0	28.42
09/15/04 20:30:02.0	28.32
09/15/04 21:30:02.0	28.47
09/15/04 22:30:02.0	28.49
09/15/04 23:30:02.0	28.42
09/16/04 00:30:02.0	28.54
09/16/04 01:30:02.0	28.62
09/16/04 02:30:02.0	28.67
09/16/04 03:30:02.0	28.57
09/16/04 04:30:02.0	28.64
09/16/04 05:30:02.0	28.32
09/16/04 06:30:02.0	28.25
09/16/04 07:30:02.0	28.17
09/16/04 08:30:02.0	27.83
09/16/04 09:30:02.0	27.28
09/16/04 10:30:02.0	26.84
09/16/04 11:30:02.0	26.94
09/16/04 12:30:02.0	27.04
09/16/04 13:30:02.0	27.65
09/16/04 14:30:02.0	28.00
09/16/04 15:30:02.0	27.68
09/16/04 16:30:02.0	27.58
09/16/04 17:30:02.0	28.10
09/16/04 18:30:02.0	28.39
09/16/04 19:30:02.0	27.97
09/16/04 20:30:02.0	27.63
09/16/04 21:30:02.0	27.58
09/16/04 22:30:02.0	27.55
09/16/04 23:30:02.0	27.09
09/17/04 00:30:02.0	26.74
09/17/04 01:30:02.0	26.18
09/17/04 02:30:02.0	24.48
09/17/04 03:30:02.0	25.19
09/17/04 04:30:02.0	24.85
09/17/04 05:30:02.0	24.53
09/17/04 06:30:02.0	24.63
09/17/04 07:30:02.0	24.70
09/17/04 08:30:02.0	24.85
09/17/04 09:30:02.0	24.94
09/17/04 10:30:02.0	25.04
09/17/04 11:30:02.0	28.32
09/17/04 12:30:02.0	28.62
09/17/04 13:30:02.0	28.79
09/17/04 14:30:02.0	28.87
09/17/04 15:30:02.0	28.77
09/17/04 16:30:02.0	28.15
09/17/04 17:30:02.0	28.25
09/17/04 18:30:02.0	28.07
09/17/04 19:30:02.0	27.73
09/17/04 20:30:02.0	27.24
09/17/04 21:30:02.0	27.38
09/17/04 22:30:02.0	27.41
09/17/04 23:30:02.0	27.51
09/18/04 00:30:02.0	27.85
09/18/04 01:30:02.0	28.07
09/18/04 02:30:02.0	28.12
09/18/04 03:30:02.0	28.12
09/18/04 04:30:02.0	28.30
09/18/04 05:30:02.0	28.30
09/18/04 06:30:02.0	28.35
09/18/04 07:30:02.0	28.32
09/18/04 08:30:02.0	28.35
09/18/04 09:30:02.0	28.59
09/18/04 10:30:02.0	29.37
09/18/04 11:30:02.0	29.34
09/18/04 12:30:02.0	29.34
09/18/04 13:30:02.0	29.32

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/18/04 14:30:02.0	29.19
09/18/04 15:30:02.0	29.19
09/18/04 16:30:02.0	29.19
09/18/04 17:30:02.0	29.12
09/18/04 18:30:02.0	29.12
09/18/04 19:30:02.0	29.07
09/18/04 20:30:02.0	29.12
09/18/04 21:30:02.0	29.04
09/18/04 22:30:02.0	28.99
09/18/04 23:30:02.0	28.82
09/19/04 00:30:02.0	28.94
09/19/04 01:30:02.0	29.07
09/19/04 02:30:02.0	29.02
09/19/04 03:30:02.0	28.94
09/19/04 04:30:02.0	29.02
09/19/04 05:30:02.0	29.12
09/19/04 06:30:02.0	29.12
09/19/04 07:30:02.0	29.12
09/19/04 08:30:02.0	29.14
09/19/04 09:30:02.0	29.17
09/19/04 10:30:02.0	29.19
09/19/04 11:30:02.0	29.12
09/19/04 12:30:02.0	29.07
09/19/04 13:30:02.0	28.99
09/19/04 14:30:02.0	28.99
09/19/04 15:30:02.0	28.97
09/19/04 16:30:02.0	28.99
09/19/04 17:30:02.0	29.09
09/19/04 18:30:02.0	29.12
09/19/04 19:30:02.0	29.19
09/19/04 20:30:02.0	29.24
09/19/04 21:30:02.0	29.27
09/19/04 22:30:02.0	29.29
09/19/04 23:30:02.0	29.29
09/20/04 00:30:02.0	29.34
09/20/04 01:30:02.0	29.41
09/20/04 02:30:02.0	29.44
09/20/04 03:30:02.0	29.46
09/20/04 04:30:02.0	29.44
09/20/04 05:30:02.0	29.39
09/20/04 06:30:02.0	29.12
09/20/04 07:30:02.0	29.17
09/20/04 08:30:02.0	29.22
09/20/04 09:30:02.0	29.24
09/20/04 10:30:02.0	29.39
09/20/04 11:30:02.0	29.44
09/20/04 12:30:02.0	29.49
09/20/04 13:30:02.0	29.52
09/20/04 14:30:02.0	29.59
09/20/04 15:30:02.0	29.57
09/20/04 16:30:02.0	29.59
09/20/04 17:30:02.0	29.54
09/20/04 18:30:02.0	29.52
09/20/04 19:30:02.0	29.52
09/20/04 20:30:02.0	29.52
09/20/04 21:30:02.0	29.54
09/20/04 22:30:02.0	29.37
09/20/04 23:30:02.0	29.39
09/21/04 00:30:02.0	29.39
09/21/04 01:30:02.0	29.39
09/21/04 02:30:02.0	29.44
09/21/04 03:30:02.0	29.44
09/21/04 04:30:02.0	29.44
09/21/04 05:30:02.0	29.41
09/21/04 06:30:02.0	29.39
09/21/04 07:30:02.0	29.37
09/21/04 08:30:02.0	29.37
09/21/04 09:30:02.0	29.34

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/21/04 10:30:02.0	29.32
09/21/04 11:30:02.0	29.29
09/21/04 12:30:02.0	29.29
09/21/04 13:30:02.0	29.29
09/21/04 14:30:02.0	29.32
09/21/04 15:30:02.0	29.32
09/21/04 16:30:02.0	29.27
09/21/04 17:30:02.0	29.22
09/21/04 18:30:02.0	29.22
09/21/04 19:30:02.0	29.22
09/21/04 20:30:02.0	29.22
09/21/04 21:30:02.0	29.22
09/21/04 22:30:02.0	29.19
09/21/04 23:30:02.0	29.22
09/22/04 00:30:02.0	29.22
09/22/04 01:30:02.0	29.02
09/22/04 02:30:02.0	28.92
09/22/04 03:30:02.0	28.92
09/22/04 04:30:02.0	29.24
09/22/04 05:30:02.0	29.29
09/22/04 06:30:02.0	29.29
09/22/04 07:30:02.0	29.27
09/22/04 08:30:02.0	29.24
09/22/04 09:30:02.0	29.22
09/22/04 10:30:02.0	29.24
09/22/04 11:30:02.0	29.22
09/22/04 12:30:02.0	29.27
09/22/04 13:30:02.0	29.22
09/22/04 14:30:02.0	29.22
09/22/04 15:30:02.0	29.24
09/22/04 16:30:02.0	29.24
09/22/04 17:30:02.0	29.22
09/22/04 18:30:02.0	29.19
09/22/04 19:30:02.0	29.19
09/22/04 20:30:02.0	29.17
09/22/04 21:30:02.0	29.12
09/22/04 22:30:02.0	29.04
09/22/04 23:30:02.0	28.47
09/23/04 00:30:02.0	28.57
09/23/04 01:30:02.0	28.52
09/23/04 02:30:02.0	29.12
09/23/04 03:30:02.0	29.12
09/23/04 04:30:02.0	28.99
09/23/04 05:30:02.0	29.14
09/23/04 06:30:02.0	29.12
09/23/04 07:30:02.0	29.17
09/23/04 08:30:02.0	29.19
09/23/04 09:30:02.0	29.24
09/23/04 10:30:02.0	29.27
09/23/04 11:30:02.0	29.27
09/23/04 12:30:02.0	29.32
09/23/04 13:30:02.0	29.34
09/23/04 14:30:02.0	29.22
09/23/04 15:30:02.0	29.22
09/23/04 16:30:02.0	29.19
09/23/04 17:30:02.0	29.14
09/23/04 18:30:02.0	29.17
09/23/04 19:30:02.0	29.17
09/23/04 20:30:02.0	29.14
09/23/04 21:30:02.0	29.12
09/23/04 22:30:02.0	29.17
09/23/04 23:30:02.0	29.19
09/24/04 00:30:02.0	29.14
09/24/04 01:30:02.0	29.19
09/24/04 02:30:02.0	29.17
09/24/04 03:30:02.0	29.09
09/24/04 04:30:02.0	29.09
09/24/04 05:30:02.0	28.59

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/24/04 06:30:02.0	28.52
09/24/04 07:30:02.0	28.54
09/24/04 08:30:02.0	28.59
09/24/04 09:30:02.0	28.69
09/24/04 10:30:02.0	28.72
09/24/04 11:30:02.0	28.82
09/24/04 12:30:02.0	28.97
09/24/04 13:30:02.0	29.09
09/24/04 14:30:02.0	29.14
09/24/04 15:30:02.0	29.19
09/24/04 16:30:02.0	29.22
09/24/04 17:30:02.0	29.22
09/24/04 18:30:02.0	29.22
09/24/04 19:30:02.0	29.22
09/24/04 20:30:02.0	29.24
09/24/04 21:30:02.0	29.27
09/24/04 22:30:02.0	29.27
09/24/04 23:30:02.0	29.27
09/25/04 00:30:02.0	29.27
09/25/04 01:30:02.0	29.27
09/25/04 02:30:02.0	29.24
09/25/04 03:30:02.0	29.27
09/25/04 04:30:02.0	28.92
09/25/04 05:30:02.0	28.87
09/25/04 06:30:02.0	28.77
09/25/04 07:30:02.0	28.77
09/25/04 08:30:02.0	28.89
09/25/04 09:30:02.0	28.87
09/25/04 10:30:02.0	28.97
09/25/04 11:30:02.0	29.02
09/25/04 12:30:02.0	29.04
09/25/04 13:30:02.0	29.07
09/25/04 14:30:02.0	29.12
09/25/04 15:30:02.0	29.12
09/25/04 16:30:02.0	29.14
09/25/04 17:30:02.0	27.75
09/25/04 18:30:02.0	27.65
09/25/04 19:30:02.0	27.75
09/25/04 20:30:02.0	27.80
09/25/04 21:30:02.0	27.85
09/25/04 22:30:02.0	27.95
09/25/04 23:30:02.0	28.07
09/26/04 00:30:02.0	28.05
09/26/04 01:30:02.0	28.17
09/26/04 02:30:02.0	28.64
09/26/04 03:30:02.0	28.74
09/26/04 04:30:02.0	28.87
09/26/04 05:30:02.0	29.14
09/26/04 06:30:02.0	29.17
09/26/04 07:30:02.0	29.14
09/26/04 08:30:02.0	29.17
09/26/04 09:30:02.0	29.17
09/26/04 10:30:02.0	29.19
09/26/04 11:30:02.0	29.22
09/26/04 12:30:02.0	29.27
09/26/04 13:30:02.0	29.24
09/26/04 14:30:02.0	28.54
09/26/04 15:30:02.0	28.64
09/26/04 16:30:02.0	28.42
09/26/04 17:30:02.0	28.52
09/26/04 18:30:02.0	28.62
09/26/04 19:30:02.0	28.32
09/26/04 20:30:02.0	28.15
09/26/04 21:30:02.0	28.17
09/26/04 22:30:02.0	28.22
09/26/04 23:30:02.0	28.27
09/27/04 00:30:02.0	28.32
09/27/04 01:30:02.0	28.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/27/04 02:30:02.0	28.35
09/27/04 03:30:02.0	28.37
09/27/04 04:30:02.0	28.39
09/27/04 05:30:02.0	28.39
09/27/04 06:30:02.0	28.42
09/27/04 07:30:02.0	28.47
09/27/04 08:30:02.0	28.49
09/27/04 09:30:02.0	28.52
09/27/04 10:30:02.0	28.77
09/27/04 11:30:02.0	28.99
09/27/04 12:30:02.0	29.02
09/27/04 13:30:02.0	29.04
09/27/04 14:30:02.0	29.07
09/27/04 15:30:02.0	29.09
09/27/04 16:30:02.0	29.09
09/27/04 17:30:02.0	29.12
09/27/04 18:30:02.0	29.12
09/27/04 19:30:02.0	29.12
09/27/04 20:30:02.0	29.14
09/27/04 21:30:02.0	29.14
09/27/04 22:30:02.0	29.12
09/27/04 23:30:02.0	29.12
09/28/04 00:30:02.0	29.12
09/28/04 01:30:02.0	29.12
09/28/04 02:30:02.0	29.12
09/28/04 03:30:02.0	29.09
09/28/04 04:30:02.0	29.04
09/28/04 05:30:02.0	29.02
09/28/04 06:30:02.0	29.02
09/28/04 07:30:02.0	29.02
09/28/04 08:30:02.0	28.97
09/28/04 09:30:02.0	28.99
09/28/04 10:30:02.0	28.99
09/28/04 11:30:02.0	29.02
09/28/04 12:30:02.0	29.04
09/28/04 13:30:02.0	29.07
09/28/04 14:30:02.0	29.07
09/28/04 15:30:02.0	29.04
09/28/04 16:30:02.0	29.04
09/28/04 17:30:02.0	29.04
09/28/04 18:30:02.0	29.04
09/28/04 19:30:02.0	29.04
09/28/04 20:30:02.0	29.02
09/28/04 21:30:02.0	28.99
09/28/04 22:30:02.0	28.99
09/28/04 23:30:02.0	28.97
09/29/04 00:30:02.0	28.94
09/29/04 01:30:02.0	28.92
09/29/04 02:30:02.0	28.92
09/29/04 03:30:02.0	28.89
09/29/04 04:30:02.0	28.89
09/29/04 05:30:02.0	28.89
09/29/04 06:30:02.0	28.84
09/29/04 07:30:02.0	28.87
09/29/04 08:30:02.0	28.87
09/29/04 09:30:02.0	28.87
09/29/04 10:30:02.0	28.92
09/29/04 11:30:02.0	28.92
09/29/04 12:30:02.0	28.92
09/29/04 13:30:02.0	28.89
09/29/04 14:30:02.0	28.92
09/29/04 15:30:02.0	28.92
09/29/04 16:30:02.0	28.89
09/29/04 17:30:02.0	28.87
09/29/04 18:30:02.0	28.82
09/29/04 19:30:02.0	28.82
09/29/04 20:30:02.0	28.84
09/29/04 21:30:02.0	28.87

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
09/29/04 22:30:02.0	28.89
09/29/04 23:30:02.0	28.89
09/30/04 00:30:02.0	28.92
09/30/04 01:30:02.0	28.92
09/30/04 02:30:02.0	28.92
09/30/04 03:30:02.0	28.92
09/30/04 04:30:02.0	28.92
09/30/04 05:30:02.0	28.84
09/30/04 06:30:02.0	28.84
09/30/04 07:30:02.0	28.84
09/30/04 08:30:02.0	28.84
09/30/04 09:30:02.0	28.84
09/30/04 10:30:02.0	28.87
09/30/04 11:30:02.0	28.84
09/30/04 12:30:02.0	28.87
09/30/04 13:30:02.0	28.87
09/30/04 14:30:02.0	28.87
09/30/04 15:30:02.0	28.89
09/30/04 16:30:02.0	28.89
09/30/04 17:30:02.0	28.89
09/30/04 18:30:02.0	28.87
09/30/04 19:30:02.0	28.87
09/30/04 20:30:02.0	28.84
09/30/04 21:30:02.0	28.84
09/30/04 22:30:02.0	28.84
09/30/04 23:30:02.0	28.84
10/01/04 00:30:02.0	28.84
10/01/04 01:30:02.0	28.84
10/01/04 02:30:02.0	28.89
10/01/04 03:30:02.0	28.89
10/01/04 04:30:02.0	28.87
10/01/04 05:30:02.0	28.87
10/01/04 06:30:02.0	28.84
10/01/04 07:30:02.0	28.84
10/01/04 08:30:02.0	28.74
10/01/04 09:30:02.0	28.72
10/01/04 10:30:02.0	28.69
10/01/04 11:30:02.0	28.84
10/01/04 12:30:02.0	28.87
10/01/04 13:30:02.0	28.89
10/01/04 14:30:02.0	28.87
10/01/04 15:30:02.0	28.92
10/01/04 16:30:02.0	28.92
10/01/04 17:30:02.0	28.92
10/01/04 18:30:02.0	28.89
10/01/04 19:30:02.0	28.89
10/01/04 20:30:02.0	28.92
10/01/04 21:30:02.0	28.92
10/01/04 22:30:02.0	28.92
10/01/04 23:30:02.0	28.92
10/02/04 00:30:02.0	28.89
10/02/04 01:30:02.0	28.89
10/02/04 02:30:02.0	28.89
10/02/04 03:30:02.0	28.89
10/02/04 04:30:02.0	28.87
10/02/04 05:30:02.0	28.89
10/02/04 06:30:02.0	28.87
10/02/04 07:30:02.0	28.84
10/02/04 08:30:02.0	28.87
10/02/04 09:30:02.0	28.87
10/02/04 10:30:02.0	28.92
10/02/04 11:30:02.0	28.99
10/02/04 12:30:02.0	29.02
10/02/04 13:30:02.0	28.97
10/02/04 14:30:02.0	28.97
10/02/04 15:30:02.0	28.94
10/02/04 16:30:02.0	28.92
10/02/04 17:30:02.0	28.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/02/04 18:30:02.0	28.87
10/02/04 19:30:02.0	28.84
10/02/04 20:30:02.0	28.87
10/02/04 21:30:02.0	28.87
10/02/04 22:30:02.0	28.87
10/02/04 23:30:02.0	28.87
10/03/04 00:30:02.0	28.87
10/03/04 01:30:02.0	28.89
10/03/04 02:30:02.0	28.89
10/03/04 03:30:02.0	28.89
10/03/04 04:30:02.0	28.87
10/03/04 05:30:02.0	28.87
10/03/04 06:30:02.0	28.87
10/03/04 07:30:02.0	28.89
10/03/04 08:30:02.0	28.89
10/03/04 09:30:02.0	28.94
10/03/04 10:30:02.0	28.97
10/03/04 11:30:02.0	28.97
10/03/04 12:30:02.0	28.94
10/03/04 13:30:02.0	28.94
10/03/04 14:30:02.0	28.94
10/03/04 15:30:02.0	28.94
10/03/04 16:30:02.0	28.89
10/03/04 17:30:02.0	28.87
10/03/04 18:30:02.0	28.89
10/03/04 19:30:02.0	28.89
10/03/04 20:30:02.0	28.89
10/03/04 21:30:02.0	28.89
10/03/04 22:30:02.0	28.89
10/03/04 23:30:02.0	28.89
10/04/04 00:30:02.0	28.87
10/04/04 01:30:02.0	28.89
10/04/04 02:30:02.0	28.87
10/04/04 03:30:02.0	28.89
10/04/04 04:30:02.0	28.89
10/04/04 05:30:02.0	28.74
10/04/04 06:30:02.0	28.69
10/04/04 07:30:02.0	28.72
10/04/04 08:30:02.0	28.74
10/04/04 09:30:02.0	28.87
10/04/04 10:30:02.0	28.92
10/04/04 11:30:02.0	28.94
10/04/04 12:30:02.0	28.94
10/04/04 13:30:02.0	28.97
10/04/04 14:30:02.0	28.97
10/04/04 15:30:02.0	28.94
10/04/04 16:30:02.0	28.94
10/04/04 17:30:02.0	28.89
10/04/04 18:30:02.0	28.89
10/04/04 19:30:02.0	28.89
10/04/04 20:30:02.0	28.89
10/04/04 21:30:02.0	28.87
10/04/04 22:30:02.0	28.84
10/04/04 23:30:02.0	28.82
10/05/04 00:30:02.0	28.74
10/05/04 01:30:02.0	28.69
10/05/04 02:30:02.0	28.72
10/05/04 03:30:02.0	28.74
10/05/04 04:30:02.0	28.79
10/05/04 05:30:02.0	28.67
10/05/04 06:30:02.0	28.74
10/05/04 07:30:02.0	28.84
10/05/04 08:30:02.0	28.89
10/05/04 09:30:02.0	28.92
10/05/04 10:30:02.0	28.87
10/05/04 11:30:02.0	28.87
10/05/04 12:30:02.0	28.87
10/05/04 13:30:02.0	28.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/05/04 14:30:02.0	28.89
10/05/04 15:30:02.0	28.92
10/05/04 16:30:02.0	28.89
10/05/04 17:30:02.0	28.92
10/05/04 18:30:02.0	28.92
10/05/04 19:30:02.0	28.89
10/05/04 20:30:02.0	28.84
10/05/04 21:30:02.0	28.82
10/05/04 22:30:02.0	28.47
10/05/04 23:30:02.0	28.69
10/06/04 00:30:02.0	28.69
10/06/04 01:30:02.0	28.69
10/06/04 02:30:02.0	28.72
10/06/04 03:30:02.0	28.72
10/06/04 04:30:02.0	28.72
10/06/04 05:30:02.0	28.72
10/06/04 06:30:02.0	28.69
10/06/04 07:30:02.0	28.64
10/06/04 08:30:02.0	28.64
10/06/04 09:30:02.0	28.59
10/06/04 10:30:02.0	28.47
10/06/04 11:30:02.0	28.62
10/06/04 12:30:02.0	28.67
10/06/04 13:30:02.0	28.64
10/06/04 14:30:02.0	28.64
10/06/04 15:30:02.0	28.64
10/06/04 16:30:02.0	28.67
10/06/04 17:30:02.0	28.64
10/06/04 18:30:02.0	28.54
10/06/04 19:30:02.0	28.54
10/06/04 20:30:02.0	28.57
10/06/04 21:30:02.0	28.59
10/06/04 22:30:02.0	28.62
10/06/04 23:30:02.0	28.59
10/07/04 00:30:02.0	28.47
10/07/04 01:30:02.0	28.30
10/07/04 02:30:02.0	28.22
10/07/04 03:30:02.0	28.32
10/07/04 04:30:02.0	28.37
10/07/04 05:30:02.0	28.47
10/07/04 06:30:02.0	28.49
10/07/04 07:30:02.0	28.54
10/07/04 08:30:02.0	28.52
10/07/04 09:30:02.0	28.52
10/07/04 10:30:02.0	28.57
10/07/04 11:30:02.0	28.54
10/07/04 12:30:02.0	28.57
10/07/04 13:30:02.0	28.54
10/07/04 14:30:02.0	28.52
10/07/04 15:30:02.0	28.52
10/07/04 16:30:02.0	28.49
10/07/04 17:30:02.0	28.44
10/07/04 18:30:02.0	28.20
10/07/04 19:30:02.0	28.25
10/07/04 20:30:02.0	28.32
10/07/04 21:30:02.0	28.37
10/07/04 22:30:02.0	28.39
10/07/04 23:30:02.0	28.22
10/08/04 00:30:02.0	28.00
10/08/04 01:30:02.0	27.78
10/08/04 02:30:02.0	27.68
10/08/04 03:30:02.0	27.60
10/08/04 04:30:02.0	27.38
10/08/04 05:30:02.0	27.90
10/08/04 06:30:02.0	28.22
10/08/04 07:30:02.0	28.22
10/08/04 08:30:02.0	28.25
10/08/04 09:30:02.0	28.25

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/08/04 10:30:02.0	28.20
10/08/04 11:30:02.0	28.30
10/08/04 12:30:02.0	28.27
10/08/04 13:30:02.0	28.27
10/08/04 14:30:02.0	28.25
10/08/04 15:30:02.0	28.25
10/08/04 16:30:02.0	28.27
10/08/04 17:30:02.0	28.30
10/08/04 18:30:02.0	28.27
10/08/04 19:30:02.0	28.27
10/08/04 20:30:02.0	28.25
10/08/04 21:30:02.0	28.25
10/08/04 22:30:02.0	28.25
10/08/04 23:30:02.0	28.22
10/09/04 00:30:02.0	28.17
10/09/04 01:30:02.0	28.07
10/09/04 02:30:02.0	27.92
10/09/04 03:30:02.0	27.85
10/09/04 04:30:02.0	27.85
10/09/04 05:30:02.0	27.92
10/09/04 06:30:02.0	28.02
10/09/04 07:30:02.0	28.15
10/09/04 08:30:02.0	28.20
10/09/04 09:30:02.0	28.20
10/09/04 10:30:02.0	28.17
10/09/04 11:30:02.0	28.17
10/09/04 12:30:02.0	28.15
10/09/04 13:30:02.0	28.17
10/09/04 14:30:02.0	28.20
10/09/04 15:30:02.0	28.20
10/09/04 16:30:02.0	28.22
10/09/04 17:30:02.0	28.20
10/09/04 18:30:02.0	28.15
10/09/04 19:30:02.0	28.12
10/09/04 20:30:02.0	28.10
10/09/04 21:30:02.0	28.05
10/09/04 22:30:02.0	28.05
10/09/04 23:30:02.0	28.07
10/10/04 00:30:02.0	28.10
10/10/04 01:30:02.0	28.07
10/10/04 02:30:02.0	28.02
10/10/04 03:30:02.0	27.75
10/10/04 04:30:02.0	27.75
10/10/04 05:30:02.0	27.78
10/10/04 06:30:02.0	27.95
10/10/04 07:30:02.0	27.97
10/10/04 08:30:02.0	27.95
10/10/04 09:30:02.0	27.92
10/10/04 10:30:02.0	27.95
10/10/04 11:30:02.0	27.97
10/10/04 12:30:02.0	27.97
10/10/04 13:30:02.0	28.00
10/10/04 14:30:02.0	27.97
10/10/04 15:30:02.0	27.97
10/10/04 16:30:02.0	28.00
10/10/04 17:30:02.0	28.02
10/10/04 18:30:02.0	28.05
10/10/04 19:30:02.0	28.02
10/10/04 20:30:02.0	28.00
10/10/04 21:30:02.0	28.00
10/10/04 22:30:02.0	27.97
10/10/04 23:30:02.0	27.95
10/11/04 00:30:02.0	27.92
10/11/04 01:30:02.0	27.90
10/11/04 02:30:02.0	27.90
10/11/04 03:30:02.0	27.88
10/11/04 04:30:02.0	27.85
10/11/04 05:30:02.0	27.85

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/11/04 06:30:02.0	27.83
10/11/04 07:30:02.0	27.85
10/11/04 08:30:02.0	27.83
10/11/04 09:30:02.0	27.88
10/11/04 10:30:02.0	27.90
10/11/04 11:30:02.0	27.92
10/11/04 12:30:02.0	27.90
10/11/04 13:30:02.0	27.90
10/11/04 14:30:02.0	27.90
10/11/04 15:30:02.0	27.88
10/11/04 16:30:02.0	27.88
10/11/04 17:30:02.0	27.85
10/11/04 18:30:02.0	27.85
10/11/04 19:30:02.0	27.85
10/11/04 20:30:02.0	27.85
10/11/04 21:30:02.0	27.85
10/11/04 22:30:02.0	27.85
10/11/04 23:30:02.0	27.83
10/12/04 00:30:02.0	27.80
10/12/04 01:30:02.0	27.83
10/12/04 02:30:02.0	27.83
10/12/04 03:30:02.0	27.78
10/12/04 04:30:02.0	27.78
10/12/04 05:30:02.0	27.78
10/12/04 06:30:02.0	27.78
10/12/04 07:30:02.0	27.83
10/12/04 08:30:02.0	27.83
10/12/04 09:30:02.0	27.85
10/12/04 10:30:02.0	27.85
10/12/04 11:30:02.0	27.88
10/12/04 12:30:02.0	27.90
10/12/04 13:30:02.0	27.90
10/12/04 14:30:02.0	27.90
10/12/04 15:30:02.0	27.90
10/12/04 16:30:02.0	27.90
10/12/04 17:30:02.0	27.88
10/12/04 18:30:02.0	27.88
10/12/04 19:30:02.0	27.85
10/12/04 20:30:02.0	27.85
10/12/04 21:30:02.0	27.83
10/12/04 22:30:02.0	27.80
10/12/04 23:30:02.0	27.80
10/13/04 00:30:02.0	27.78
10/13/04 01:30:02.0	27.73
10/13/04 02:30:02.0	27.63
10/13/04 03:30:02.0	27.60
10/13/04 04:30:02.0	27.58
10/13/04 05:30:02.0	27.60
10/13/04 06:30:02.0	27.68
10/13/04 07:30:02.0	27.73
10/13/04 08:30:02.0	27.73
10/13/04 09:30:02.0	27.75
10/13/04 10:30:02.0	27.78
10/13/04 11:30:02.0	27.78
10/13/04 12:30:02.0	27.80
10/13/04 13:30:02.0	27.80
10/13/04 14:30:02.0	27.83
10/13/04 15:30:02.0	27.80
10/13/04 16:30:02.0	27.80
10/13/04 17:30:02.0	27.78
10/13/04 18:30:02.0	27.75
10/13/04 19:30:02.0	27.73
10/13/04 20:30:02.0	27.73
10/13/04 21:30:02.0	27.70
10/13/04 22:30:02.0	27.73
10/13/04 23:30:02.0	27.70
10/14/04 00:30:02.0	27.68
10/14/04 01:30:02.0	27.65

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/14/04 02:30:02.0	27.63
10/14/04 03:30:02.0	27.63
10/14/04 04:30:02.0	27.63
10/14/04 05:30:02.0	27.70
10/14/04 06:30:02.0	27.80
10/14/04 07:30:02.0	27.80
10/14/04 08:30:02.0	27.80
10/14/04 09:30:02.0	27.80
10/14/04 10:30:02.0	27.80
10/14/04 11:30:02.0	27.80
10/14/04 12:30:02.0	27.80
10/14/04 13:30:02.0	27.80
10/14/04 14:30:02.0	27.83
10/14/04 15:30:02.0	27.80
10/14/04 16:30:02.0	27.75
10/14/04 17:30:02.0	27.70
10/14/04 18:30:02.0	27.70
10/14/04 19:30:02.0	27.68
10/14/04 20:30:02.0	27.65
10/14/04 21:30:02.0	27.63
10/14/04 22:30:02.0	27.58
10/14/04 23:30:02.0	27.55
10/15/04 00:30:02.0	27.55
10/15/04 01:30:02.0	27.55
10/15/04 02:30:02.0	27.53
10/15/04 03:30:02.0	27.53
10/15/04 04:30:02.0	27.51
10/15/04 05:30:02.0	27.51
10/15/04 06:30:02.0	27.48
10/15/04 07:30:02.0	27.48
10/15/04 08:30:02.0	27.48
10/15/04 09:30:02.0	27.48
10/15/04 10:30:02.0	27.51
10/15/04 11:30:02.0	27.53
10/15/04 12:30:02.0	27.53
10/15/04 13:30:02.0	27.53
10/15/04 14:30:02.0	27.51
10/15/04 15:30:02.0	27.53
10/15/04 16:30:02.0	27.53
10/15/04 17:30:02.0	27.51
10/15/04 18:30:02.0	27.48
10/15/04 19:30:02.0	27.43
10/15/04 20:30:02.0	27.43
10/15/04 21:30:02.0	27.41
10/15/04 22:30:02.0	27.38
10/15/04 23:30:02.0	27.36
10/16/04 00:30:02.0	27.36
10/16/04 01:30:02.0	27.33
10/16/04 02:30:02.0	27.33
10/16/04 03:30:02.0	27.33
10/16/04 04:30:02.0	27.33
10/16/04 05:30:02.0	27.33
10/16/04 06:30:02.0	27.31
10/16/04 07:30:02.0	27.33
10/16/04 08:30:02.0	27.31
10/16/04 09:30:02.0	27.33
10/16/04 10:30:02.0	27.33
10/16/04 11:30:02.0	27.36
10/16/04 12:30:02.0	27.33
10/16/04 13:30:02.0	27.33
10/16/04 14:30:02.0	27.36
10/16/04 15:30:02.0	27.33
10/16/04 16:30:02.0	27.36
10/16/04 17:30:02.0	27.33
10/16/04 18:30:02.0	27.31
10/16/04 19:30:02.0	27.31
10/16/04 20:30:02.0	27.36
10/16/04 21:30:02.0	27.46

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/16/04 22:30:02.0	27.51
10/16/04 23:30:02.0	27.51
10/17/04 00:30:02.0	27.51
10/17/04 01:30:02.0	27.48
10/17/04 02:30:02.0	27.48
10/17/04 03:30:02.0	27.48
10/17/04 04:30:02.0	27.48
10/17/04 05:30:02.0	27.46
10/17/04 06:30:02.0	27.46
10/17/04 07:30:02.0	27.46
10/17/04 08:30:02.0	27.46
10/17/04 09:30:02.0	27.48
10/17/04 10:30:02.0	27.51
10/17/04 11:30:02.0	27.51
10/17/04 12:30:02.0	27.51
10/17/04 13:30:02.0	27.53
10/17/04 14:30:02.0	27.55
10/17/04 15:30:02.0	27.58
10/17/04 16:30:02.0	27.58
10/17/04 17:30:02.0	27.60
10/17/04 18:30:02.0	27.65
10/17/04 19:30:02.0	27.68
10/17/04 20:30:02.0	27.68
10/17/04 21:30:02.0	27.68
10/17/04 22:30:02.0	27.68
10/17/04 23:30:02.0	27.70
10/18/04 00:30:02.0	27.68
10/18/04 01:30:02.0	27.70
10/18/04 02:30:02.0	27.68
10/18/04 03:30:02.0	27.65
10/18/04 04:30:02.0	27.63
10/18/04 05:30:02.0	27.58
10/18/04 06:30:02.0	27.55
10/18/04 07:30:02.0	27.55
10/18/04 08:30:02.0	27.55
10/18/04 09:30:02.0	27.55
10/18/04 10:30:02.0	27.58
10/18/04 11:30:02.0	27.58
10/18/04 12:30:02.0	27.58
10/18/04 13:30:02.0	27.60
10/18/04 14:30:02.0	27.60
10/18/04 15:30:02.0	27.60
10/18/04 16:30:02.0	27.60
10/18/04 17:30:02.0	27.58
10/18/04 18:30:02.0	27.55
10/18/04 19:30:02.0	27.55
10/18/04 20:30:02.0	27.55
10/18/04 21:30:02.0	27.58
10/18/04 22:30:02.0	27.58
10/18/04 23:30:02.0	27.60
10/19/04 00:30:02.0	27.60
10/19/04 01:30:02.0	27.58
10/19/04 02:30:02.0	27.58
10/19/04 03:30:02.0	27.58
10/19/04 04:30:02.0	27.55
10/19/04 05:30:02.0	27.55
10/19/04 06:30:02.0	27.55
10/19/04 07:30:02.0	27.53
10/19/04 08:30:02.0	27.53
10/19/04 09:30:02.0	27.53
10/19/04 10:30:02.0	27.55
10/19/04 11:30:02.0	27.58
10/19/04 12:30:02.0	27.60
10/19/04 13:30:02.0	27.60
10/19/04 14:30:02.0	27.60
10/19/04 15:30:02.0	27.63
10/19/04 16:30:02.0	27.60
10/19/04 17:30:02.0	27.58

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/19/04 18:30:02.0	27.58
10/19/04 19:30:02.0	27.58
10/19/04 20:30:02.0	27.58
10/19/04 21:30:02.0	27.60
10/19/04 22:30:02.0	27.60
10/19/04 23:30:02.0	27.58
10/20/04 00:30:02.0	27.58
10/20/04 01:30:02.0	27.55
10/20/04 02:30:02.0	27.58
10/20/04 03:30:02.0	27.58
10/20/04 04:30:02.0	27.55
10/20/04 05:30:02.0	27.55
10/20/04 06:30:02.0	27.55
10/20/04 07:30:02.0	27.53
10/20/04 08:30:02.0	27.53
10/20/04 09:30:02.0	27.55
10/20/04 10:30:02.0	27.58
10/20/04 11:30:02.0	27.60
10/20/04 12:30:02.0	27.60
10/20/04 13:30:02.0	27.63
10/20/04 14:30:02.0	27.68
10/20/04 15:30:02.0	27.73
10/20/04 16:30:02.0	27.73
10/20/04 17:30:02.0	27.70
10/20/04 18:30:02.0	27.70
10/20/04 19:30:02.0	27.70
10/20/04 20:30:02.0	27.70
10/20/04 21:30:02.0	27.70
10/20/04 22:30:02.0	27.70
10/20/04 23:30:02.0	27.73
10/21/04 00:30:02.0	27.73
10/21/04 01:30:02.0	27.73
10/21/04 02:30:02.0	27.75
10/21/04 03:30:02.0	27.75
10/21/04 04:30:02.0	27.78
10/21/04 05:30:02.0	27.75
10/21/04 06:30:02.0	27.75
10/21/04 07:30:02.0	27.73
10/21/04 08:30:02.0	27.73
10/21/04 09:30:02.0	27.73
10/21/04 10:30:02.0	27.75
10/21/04 11:30:02.0	27.80
10/21/04 12:30:02.0	27.85
10/21/04 13:30:02.0	27.90
10/21/04 14:30:02.0	27.88
10/21/04 15:30:02.0	27.92
10/21/04 16:30:02.0	27.90
10/21/04 17:30:02.0	27.85
10/21/04 18:30:02.0	27.83
10/21/04 19:30:02.0	27.83
10/21/04 20:30:02.0	27.83
10/21/04 21:30:02.0	27.83
10/21/04 22:30:02.0	27.83
10/21/04 23:30:02.0	27.85
10/22/04 00:30:02.0	27.85
10/22/04 01:30:02.0	27.88
10/22/04 02:30:02.0	27.88
10/22/04 03:30:02.0	27.88
10/22/04 04:30:02.0	27.88
10/22/04 05:30:02.0	27.88
10/22/04 06:30:02.0	27.90
10/22/04 07:30:02.0	27.88
10/22/04 08:30:02.0	27.90
10/22/04 09:30:02.0	27.90
10/22/04 10:30:02.0	27.95
10/22/04 11:30:02.0	28.00
10/22/04 12:30:02.0	28.05
10/22/04 13:30:02.0	28.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/22/04 14:30:02.0	27.97
10/22/04 15:30:02.0	28.02
10/22/04 16:30:02.0	28.02
10/22/04 17:30:02.0	27.97
10/22/04 18:30:02.0	27.95
10/22/04 19:30:02.0	27.95
10/22/04 20:30:02.0	27.95
10/22/04 21:30:02.0	27.97
10/22/04 22:30:02.0	27.95
10/22/04 23:30:02.0	27.95
10/23/04 00:30:02.0	27.97
10/23/04 01:30:02.0	27.95
10/23/04 02:30:02.0	27.97
10/23/04 03:30:02.0	27.97
10/23/04 04:30:02.0	27.97
10/23/04 05:30:02.0	28.00
10/23/04 06:30:02.0	28.00
10/23/04 07:30:02.0	27.95
10/23/04 08:30:02.0	27.97
10/23/04 09:30:02.0	28.02
10/23/04 10:30:02.0	28.02
10/23/04 11:30:02.0	28.05
10/23/04 12:30:02.0	28.07
10/23/04 13:30:02.0	28.07
10/23/04 14:30:02.0	28.05
10/23/04 15:30:02.0	28.05
10/23/04 16:30:02.0	28.05
10/23/04 17:30:02.0	28.02
10/23/04 18:30:02.0	28.00
10/23/04 19:30:02.0	28.00
10/23/04 20:30:02.0	28.02
10/23/04 21:30:02.0	28.02
10/23/04 22:30:02.0	28.02
10/23/04 23:30:02.0	28.02
10/24/04 00:30:02.0	28.02
10/24/04 01:30:02.0	28.02
10/24/04 02:30:02.0	28.00
10/24/04 03:30:02.0	28.00
10/24/04 04:30:02.0	28.00
10/24/04 05:30:02.0	28.00
10/24/04 06:30:02.0	28.00
10/24/04 07:30:02.0	28.00
10/24/04 08:30:02.0	28.00
10/24/04 09:30:02.0	28.00
10/24/04 10:30:02.0	28.02
10/24/04 11:30:02.0	28.05
10/24/04 12:30:02.0	28.05
10/24/04 13:30:02.0	28.02
10/24/04 14:30:02.0	28.02
10/24/04 15:30:02.0	28.02
10/24/04 16:30:02.0	28.02
10/24/04 17:30:02.0	28.02
10/24/04 18:30:02.0	28.02
10/24/04 19:30:02.0	28.00
10/24/04 20:30:02.0	28.02
10/24/04 21:30:02.0	28.02
10/24/04 22:30:02.0	28.02
10/24/04 23:30:02.0	28.02
10/25/04 00:30:02.0	28.05
10/25/04 01:30:02.0	28.02
10/25/04 02:30:02.0	28.02
10/25/04 03:30:02.0	28.02
10/25/04 04:30:02.0	28.00
10/25/04 05:30:02.0	28.00
10/25/04 06:30:02.0	27.97
10/25/04 07:30:02.0	27.97
10/25/04 08:30:02.0	27.97
10/25/04 09:30:02.0	28.00

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/25/04 10:30:02.0	28.00
10/25/04 11:30:02.0	28.00
10/25/04 12:30:02.0	28.02
10/25/04 13:30:02.0	28.00
10/25/04 14:30:02.0	28.00
10/25/04 15:30:02.0	27.97
10/25/04 16:30:02.0	27.97
10/25/04 17:30:02.0	27.97
10/25/04 18:30:02.0	27.97
10/25/04 19:30:02.0	27.97
10/25/04 20:30:02.0	27.97
10/25/04 21:30:02.0	27.97
10/25/04 22:30:02.0	27.97
10/25/04 23:30:02.0	27.97
10/26/04 00:30:02.0	27.97
10/26/04 01:30:02.0	27.95
10/26/04 02:30:02.0	27.92
10/26/04 03:30:02.0	27.92
10/26/04 04:30:02.0	27.85
10/26/04 05:30:02.0	27.75
10/26/04 06:30:02.0	27.85
10/26/04 07:30:02.0	27.85
10/26/04 08:30:02.0	27.88
10/26/04 09:30:02.0	27.88
10/26/04 10:30:02.0	27.92
10/26/04 11:30:02.0	27.92
10/26/04 12:30:02.0	27.92
10/26/04 13:30:02.0	27.88
10/26/04 14:30:02.0	27.88
10/26/04 15:30:02.0	27.85
10/26/04 16:30:02.0	27.88
10/26/04 17:30:02.0	27.90
10/26/04 18:30:02.0	27.92
10/26/04 19:30:02.0	27.92
10/26/04 20:30:02.0	27.90
10/26/04 21:30:02.0	27.88
10/26/04 22:30:02.0	27.85
10/26/04 23:30:02.0	27.85
10/27/04 00:30:02.0	27.85
10/27/04 01:30:02.0	27.85
10/27/04 02:30:02.0	27.85
10/27/04 03:30:02.0	27.83
10/27/04 04:30:02.0	27.83
10/27/04 05:30:02.0	27.83
10/27/04 06:30:02.0	27.83
10/27/04 07:30:02.0	27.83
10/27/04 08:30:02.0	27.85
10/27/04 09:30:02.0	27.90
10/27/04 10:30:02.0	27.92
10/27/04 11:30:02.0	27.97
10/27/04 12:30:02.0	28.05
10/27/04 13:30:02.0	27.92
10/27/04 14:30:02.0	27.95
10/27/04 15:30:02.0	27.95
10/27/04 16:30:02.0	27.95
10/27/04 17:30:02.0	27.95
10/27/04 18:30:02.0	27.90
10/27/04 19:30:02.0	27.90
10/27/04 20:30:02.0	27.90
10/27/04 21:30:02.0	27.92
10/27/04 22:30:02.0	27.88
10/27/04 23:30:02.0	27.90
10/28/04 00:30:02.0	27.90
10/28/04 01:30:02.0	27.92
10/28/04 02:30:02.0	27.92
10/28/04 03:30:02.0	27.97
10/28/04 04:30:02.0	28.00
10/28/04 05:30:02.0	28.00

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/28/04 06:30:02.0	28.00
10/28/04 07:30:02.0	28.02
10/28/04 08:30:02.0	28.17
10/28/04 09:30:02.0	28.22
10/28/04 10:30:02.0	28.22
10/28/04 11:30:02.0	28.22
10/28/04 12:30:02.0	28.25
10/28/04 13:30:02.0	28.25
10/28/04 14:30:02.0	28.25
10/28/04 15:30:02.0	28.25
10/28/04 16:30:02.0	28.22
10/28/04 17:30:02.0	28.17
10/28/04 18:30:02.0	28.17
10/28/04 19:30:02.0	28.17
10/28/04 20:30:02.0	28.17
10/28/04 21:30:02.0	28.17
10/28/04 22:30:02.0	28.17
10/28/04 23:30:02.0	28.25
10/29/04 00:30:02.0	28.25
10/29/04 01:30:02.0	28.25
10/29/04 02:30:02.0	28.22
10/29/04 03:30:02.0	28.20
10/29/04 04:30:02.0	28.20
10/29/04 05:30:02.0	28.20
10/29/04 06:30:02.0	28.20
10/29/04 07:30:02.0	28.20
10/29/04 08:30:02.0	28.20
10/29/04 09:30:02.0	28.17
10/29/04 10:30:02.0	28.17
10/29/04 11:30:02.0	28.15
10/29/04 12:30:02.0	28.22
10/29/04 13:30:02.0	28.25
10/29/04 14:30:02.0	28.25
10/29/04 15:30:02.0	28.22
10/29/04 16:30:02.0	28.15
10/29/04 17:30:02.0	28.15
10/29/04 18:30:02.0	28.10
10/29/04 19:30:02.0	28.22
10/29/04 20:30:02.0	28.17
10/29/04 21:30:02.0	28.12
10/29/04 22:30:02.0	28.17
10/29/04 23:30:02.0	28.20
10/30/04 00:30:02.0	28.20
10/30/04 01:30:02.0	28.15
10/30/04 02:30:02.0	28.15
10/30/04 03:30:02.0	28.15
10/30/04 04:30:02.0	28.10
10/30/04 05:30:02.0	28.10
10/30/04 06:30:02.0	28.10
10/30/04 07:30:02.0	28.07
10/30/04 08:30:02.0	28.02
10/30/04 09:30:02.0	28.05
10/30/04 10:30:02.0	28.02
10/30/04 11:30:02.0	28.05
10/30/04 12:30:02.0	28.07
10/30/04 13:30:02.0	28.05
10/30/04 14:30:02.0	27.97
10/30/04 15:30:02.0	27.97
10/30/04 16:30:02.0	27.95
10/30/04 17:30:02.0	27.95
10/30/04 18:30:02.0	27.95
10/30/04 19:30:02.0	27.95
10/30/04 20:30:02.0	27.97
10/30/04 21:30:02.0	27.97
10/30/04 22:30:02.0	27.97
10/30/04 23:30:02.0	28.00
10/31/04 00:30:02.0	27.95
10/31/04 01:30:02.0	27.97

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
10/31/04 01:30:02.0	28.15
10/31/04 02:30:02.0	28.35
10/31/04 03:30:02.0	28.42
10/31/04 04:30:02.0	28.49
10/31/04 05:30:02.0	28.47
10/31/04 06:30:02.0	28.30
10/31/04 07:30:02.0	28.35
10/31/04 08:30:02.0	28.44
10/31/04 09:30:02.0	28.44
10/31/04 10:30:02.0	28.49
10/31/04 11:30:02.0	28.52
10/31/04 12:30:02.0	28.54
10/31/04 13:30:02.0	28.44
10/31/04 14:30:02.0	28.32
10/31/04 15:30:02.0	28.32
10/31/04 16:30:02.0	28.30
10/31/04 17:30:02.0	28.27
10/31/04 18:30:02.0	28.25
10/31/04 19:30:02.0	28.25
10/31/04 20:30:02.0	28.27
10/31/04 21:30:02.0	28.30
10/31/04 22:30:02.0	28.27
10/31/04 23:30:02.0	28.27
11/01/04 00:30:02.0	28.27
11/01/04 01:30:02.0	28.27
11/01/04 02:30:02.0	28.30
11/01/04 03:30:02.0	28.32
11/01/04 04:30:02.0	28.47
11/01/04 05:30:02.0	28.59
11/01/04 06:30:02.0	28.54
11/01/04 07:30:02.0	28.54
11/01/04 08:30:02.0	28.47
11/01/04 09:30:02.0	28.47
11/01/04 10:30:02.0	28.47
11/01/04 11:30:02.0	28.47
11/01/04 12:30:02.0	28.47
11/01/04 13:30:02.0	28.52
11/01/04 14:30:02.0	28.52
11/01/04 15:30:02.0	28.52
11/01/04 16:30:02.0	28.54
11/01/04 17:30:02.0	28.52
11/01/04 18:30:02.0	28.54
11/01/04 19:30:02.0	28.54
11/01/04 20:30:02.0	28.54
11/01/04 21:30:02.0	28.54
11/01/04 22:30:02.0	28.54
11/01/04 23:30:02.0	28.59
11/02/04 00:30:02.0	28.62
11/02/04 01:30:02.0	28.59
11/02/04 02:30:02.0	28.59
11/02/04 03:30:02.0	28.54
11/02/04 04:30:02.0	28.47
11/02/04 05:30:02.0	28.35
11/02/04 06:30:02.0	28.32
11/02/04 07:30:02.0	28.32
11/02/04 08:30:02.0	28.32
11/02/04 09:30:02.0	28.32
11/02/04 10:30:02.0	28.30
11/02/04 11:30:02.0	27.90
11/02/04 12:30:02.0	27.85
11/02/04 13:30:02.0	27.85
11/02/04 14:30:02.0	27.85
11/02/04 15:30:02.0	27.92
11/02/04 16:30:02.0	27.97
11/02/04 17:30:02.0	27.95
11/02/04 18:30:02.0	27.95
11/02/04 19:30:02.0	28.15
11/02/04 20:30:02.0	28.30

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/02/04 21:30:02.0	28.25
11/02/04 22:30:02.0	28.25
11/02/04 23:30:02.0	28.12
11/03/04 00:30:02.0	28.07
11/03/04 01:30:02.0	28.20
11/03/04 02:30:02.0	28.35
11/03/04 03:30:02.0	28.30
11/03/04 04:30:02.0	28.25
11/03/04 05:30:02.0	28.20
11/03/04 06:30:02.0	28.15
11/03/04 07:30:02.0	28.07
11/03/04 08:30:02.0	28.00
11/03/04 09:30:02.0	27.90
11/03/04 10:30:02.0	27.78
11/03/04 11:30:02.0	27.78
11/03/04 12:30:02.0	27.70
11/03/04 13:30:02.0	27.53
11/03/04 14:30:02.0	27.48
11/03/04 15:30:02.0	27.43
11/03/04 16:30:02.0	27.46
11/03/04 17:30:02.0	27.48
11/03/04 18:30:02.0	27.48
11/03/04 19:30:02.0	27.43
11/03/04 20:30:02.0	27.46
11/03/04 21:30:02.0	27.51
11/03/04 22:30:02.0	27.46
11/03/04 23:30:02.0	27.48
11/04/04 00:30:02.0	27.53
11/04/04 01:30:02.0	27.48
11/04/04 02:30:02.0	27.41
11/04/04 03:30:02.0	27.33
11/04/04 04:30:02.0	27.26
11/04/04 05:30:02.0	27.24
11/04/04 06:30:02.0	27.21
11/04/04 07:30:02.0	27.19
11/04/04 08:30:02.0	27.16
11/04/04 09:30:02.0	27.19
11/04/04 10:30:02.0	27.19
11/04/04 11:30:02.0	27.21
11/04/04 12:30:02.0	27.24
11/04/04 13:30:02.0	27.33
11/04/04 14:30:02.0	27.36
11/04/04 15:30:02.0	27.38
11/04/04 16:30:02.0	27.36
11/04/04 17:30:02.0	27.28
11/04/04 18:30:02.0	27.21
11/04/04 19:30:02.0	27.24
11/04/04 20:30:02.0	27.24
11/04/04 21:30:02.0	27.21
11/04/04 22:30:02.0	27.19
11/04/04 23:30:02.0	27.19
11/05/04 00:30:02.0	27.19
11/05/04 01:30:02.0	27.16
11/05/04 02:30:02.0	27.16
11/05/04 03:30:02.0	27.16
11/05/04 04:30:02.0	27.16
11/05/04 05:30:02.0	27.16
11/05/04 06:30:02.0	27.11
11/05/04 07:30:02.0	27.11
11/05/04 08:30:02.0	27.09
11/05/04 09:30:02.0	27.06
11/05/04 10:30:02.0	27.09
11/05/04 11:30:02.0	27.14
11/05/04 12:30:02.0	27.16
11/05/04 13:30:02.0	27.19
11/05/04 14:30:02.0	27.19
11/05/04 15:30:02.0	27.19
11/05/04 16:30:02.0	27.19

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/05/04 17:30:02.0	27.19
11/05/04 18:30:02.0	27.16
11/05/04 19:30:02.0	27.14
11/05/04 20:30:02.0	27.14
11/05/04 21:30:02.0	27.16
11/05/04 22:30:02.0	27.14
11/05/04 23:30:02.0	27.16
11/06/04 00:30:02.0	27.19
11/06/04 01:30:02.0	27.16
11/06/04 02:30:02.0	27.16
11/06/04 03:30:02.0	27.16
11/06/04 04:30:02.0	27.16
11/06/04 05:30:02.0	27.16
11/06/04 06:30:02.0	27.14
11/06/04 07:30:02.0	27.16
11/06/04 08:30:02.0	27.19
11/06/04 09:30:02.0	27.21
11/06/04 10:30:02.0	27.26
11/06/04 11:30:02.0	27.24
11/06/04 12:30:02.0	27.21
11/06/04 13:30:02.0	27.21
11/06/04 14:30:02.0	27.19
11/06/04 15:30:02.0	27.21
11/06/04 16:30:02.0	27.24
11/06/04 17:30:02.0	27.24
11/06/04 18:30:02.0	27.19
11/06/04 19:30:02.0	27.19
11/06/04 20:30:02.0	27.31
11/06/04 21:30:02.0	27.53
11/06/04 22:30:02.0	27.51
11/06/04 23:30:02.0	27.43
11/07/04 00:30:02.0	27.68
11/07/04 01:30:02.0	27.70
11/07/04 02:30:02.0	27.73
11/07/04 03:30:02.0	27.70
11/07/04 04:30:02.0	27.65
11/07/04 05:30:02.0	27.46
11/07/04 06:30:02.0	27.38
11/07/04 07:30:02.0	27.36
11/07/04 08:30:02.0	27.36
11/07/04 09:30:02.0	27.31
11/07/04 10:30:02.0	27.26
11/07/04 11:30:02.0	27.21
11/07/04 12:30:02.0	27.19
11/07/04 13:30:02.0	27.19
11/07/04 14:30:02.0	27.26
11/07/04 15:30:02.0	27.28
11/07/04 16:30:02.0	27.28
11/07/04 17:30:02.0	27.28
11/07/04 18:30:02.0	27.31
11/07/04 19:30:02.0	27.31
11/07/04 20:30:02.0	27.33
11/07/04 21:30:02.0	27.36
11/07/04 22:30:02.0	27.36
11/07/04 23:30:02.0	27.38
11/08/04 00:30:02.0	27.43
11/08/04 01:30:02.0	27.48
11/08/04 02:30:02.0	27.46
11/08/04 03:30:02.0	27.48
11/08/04 04:30:02.0	27.48
11/08/04 05:30:02.0	27.46
11/08/04 06:30:02.0	27.46
11/08/04 07:30:02.0	27.46
11/08/04 08:30:02.0	27.46
11/08/04 09:30:02.0	27.43
11/08/04 10:30:02.0	27.43
11/08/04 11:30:02.0	27.43
11/08/04 12:30:02.0	27.43

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/08/04 13:30:02.0	27.41
11/08/04 14:30:02.0	27.41
11/08/04 15:30:02.0	27.36
11/08/04 16:30:02.0	27.41
11/08/04 17:30:02.0	27.38
11/08/04 18:30:02.0	27.36
11/08/04 19:30:02.0	27.33
11/08/04 20:30:02.0	27.33
11/08/04 21:30:02.0	27.31
11/08/04 22:30:02.0	27.33
11/08/04 23:30:02.0	27.36
11/09/04 00:30:02.0	27.38
11/09/04 01:30:02.0	27.36
11/09/04 02:30:02.0	27.31
11/09/04 03:30:02.0	27.28
11/09/04 04:30:02.0	27.26
11/09/04 05:30:02.0	27.24
11/09/04 06:30:02.0	27.21
11/09/04 07:30:02.0	27.19
11/09/04 08:30:02.0	27.19
11/09/04 09:30:02.0	27.21
11/09/04 10:30:02.0	27.24
11/09/04 11:30:02.0	27.26
11/09/04 12:30:02.0	27.28
11/09/04 13:30:02.0	27.24
11/09/04 14:30:02.0	27.24
11/09/04 15:30:02.0	27.26
11/09/04 16:30:02.0	27.24
11/09/04 17:30:02.0	27.26
11/09/04 18:30:02.0	27.26
11/09/04 19:30:02.0	27.26
11/09/04 20:30:02.0	27.26
11/09/04 21:30:02.0	27.24
11/09/04 22:30:02.0	27.19
11/09/04 23:30:02.0	27.21
11/10/04 00:30:02.0	27.21
11/10/04 01:30:02.0	27.19
11/10/04 02:30:02.0	27.16
11/10/04 03:30:02.0	27.14
11/10/04 04:30:02.0	27.16
11/10/04 05:30:02.0	27.16
11/10/04 06:30:02.0	27.16
11/10/04 07:30:02.0	27.16
11/10/04 08:30:02.0	27.14
11/10/04 09:30:02.0	27.14
11/10/04 10:30:02.0	27.11
11/10/04 11:30:02.0	27.16
11/10/04 12:30:02.0	27.11
11/10/04 13:30:02.0	27.11
11/10/04 14:30:02.0	27.14
11/10/04 15:30:02.0	27.16
11/10/04 16:30:02.0	27.21
11/10/04 17:30:02.0	27.09
11/10/04 18:30:02.0	26.99
11/10/04 19:30:02.0	26.92
11/10/04 20:30:02.0	26.82
11/10/04 21:30:02.0	26.87
11/10/04 22:30:02.0	26.94
11/10/04 23:30:02.0	27.21
11/11/04 00:30:02.0	27.24
11/11/04 01:30:02.0	27.24
11/11/04 02:30:02.0	27.21
11/11/04 03:30:02.0	27.19
11/11/04 04:30:02.0	27.16
11/11/04 05:30:02.0	27.14
11/11/04 06:30:02.0	27.11
11/11/04 07:30:02.0	27.21
11/11/04 08:30:02.0	27.24

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/11/04 09:30:02.0	27.26
11/11/04 10:30:02.0	27.24
11/11/04 11:30:02.0	27.21
11/11/04 12:30:02.0	27.24
11/11/04 13:30:02.0	27.21
11/11/04 14:30:02.0	27.19
11/11/04 15:30:02.0	27.16
11/11/04 16:30:02.0	27.14
11/11/04 17:30:02.0	27.06
11/11/04 18:30:02.0	27.01
11/11/04 19:30:02.0	27.01
11/11/04 20:30:02.0	27.14
11/11/04 21:30:02.0	27.16
11/11/04 22:30:02.0	27.24
11/11/04 23:30:02.0	27.06
11/12/04 00:30:02.0	26.92
11/12/04 01:30:02.0	26.97
11/12/04 02:30:02.0	26.97
11/12/04 03:30:02.0	26.99
11/12/04 04:30:02.0	27.04
11/12/04 05:30:02.0	27.04
11/12/04 06:30:02.0	27.04
11/12/04 07:30:02.0	27.01
11/12/04 08:30:02.0	26.99
11/12/04 09:30:02.0	26.97
11/12/04 10:30:02.0	26.97
11/12/04 11:30:02.0	26.99
11/12/04 12:30:02.0	26.99
11/12/04 13:30:02.0	26.99
11/12/04 14:30:02.0	26.99
11/12/04 15:30:02.0	26.97
11/12/04 16:30:02.0	26.94
11/12/04 17:30:02.0	26.89
11/12/04 18:30:02.0	26.87
11/12/04 19:30:02.0	26.92
11/12/04 20:30:02.0	26.94
11/12/04 21:30:02.0	26.94
11/12/04 22:30:02.0	26.94
11/12/04 23:30:02.0	26.89
11/13/04 00:30:02.0	26.92
11/13/04 01:30:02.0	26.97
11/13/04 02:30:02.0	26.94
11/13/04 03:30:02.0	26.82
11/13/04 04:30:02.0	26.72
11/13/04 05:30:02.0	26.74
11/13/04 06:30:02.0	26.82
11/13/04 07:30:02.0	26.82
11/13/04 08:30:02.0	26.77
11/13/04 09:30:02.0	26.77
11/13/04 10:30:02.0	26.77
11/13/04 11:30:02.0	26.79
11/13/04 12:30:02.0	26.79
11/13/04 13:30:02.0	26.79
11/13/04 14:30:02.0	26.79
11/13/04 15:30:02.0	26.79
11/13/04 16:30:02.0	26.79
11/13/04 17:30:02.0	26.82
11/13/04 18:30:02.0	26.87
11/13/04 19:30:02.0	26.89
11/13/04 20:30:02.0	26.92
11/13/04 21:30:02.0	26.94
11/13/04 22:30:02.0	26.94
11/13/04 23:30:02.0	26.94
11/14/04 00:30:02.0	26.89
11/14/04 01:30:02.0	26.89
11/14/04 02:30:02.0	26.87
11/14/04 03:30:02.0	26.84
11/14/04 04:30:02.0	26.84

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/14/04 05:30:02.0	26.87
11/14/04 06:30:02.0	26.87
11/14/04 07:30:02.0	26.87
11/14/04 08:30:02.0	26.84
11/14/04 09:30:02.0	26.82
11/14/04 10:30:02.0	26.82
11/14/04 11:30:02.0	26.79
11/14/04 12:30:02.0	26.79
11/14/04 13:30:02.0	26.77
11/14/04 14:30:02.0	26.74
11/14/04 15:30:02.0	26.70
11/14/04 16:30:02.0	26.67
11/14/04 17:30:02.0	26.70
11/14/04 18:30:02.0	26.70
11/14/04 19:30:02.0	26.70
11/14/04 20:30:02.0	26.70
11/14/04 21:30:02.0	26.72
11/14/04 22:30:02.0	26.72
11/14/04 23:30:02.0	26.74
11/15/04 00:30:02.0	26.77
11/15/04 01:30:02.0	26.77
11/15/04 02:30:02.0	26.77
11/15/04 03:30:02.0	26.74
11/15/04 04:30:02.0	26.74
11/15/04 05:30:02.0	26.74
11/15/04 06:30:02.0	26.74
11/15/04 07:30:02.0	26.74
11/15/04 08:30:02.0	26.72
11/15/04 09:30:02.0	26.74
11/15/04 10:30:02.0	26.74
11/15/04 11:30:02.0	26.74
11/15/04 12:30:02.0	26.74
11/15/04 13:30:02.0	26.77
11/15/04 14:30:02.0	26.79
11/15/04 15:30:02.0	26.77
11/15/04 16:30:02.0	26.77
11/15/04 17:30:02.0	26.77
11/15/04 18:30:02.0	26.77
11/15/04 19:30:02.0	26.77
11/15/04 20:30:02.0	26.77
11/15/04 21:30:02.0	26.77
11/15/04 22:30:02.0	26.74
11/15/04 23:30:02.0	26.57
11/16/04 00:30:02.0	26.52
11/16/04 01:30:02.0	26.55
11/16/04 02:30:02.0	26.57
11/16/04 03:30:02.0	26.57
11/16/04 04:30:02.0	26.57
11/16/04 05:30:02.0	26.57
11/16/04 06:30:02.0	26.60
11/16/04 07:30:02.0	26.60
11/16/04 08:30:02.0	26.60
11/16/04 09:30:02.0	26.60
11/16/04 10:30:02.0	26.62
11/16/04 11:30:02.0	26.65
11/16/04 12:30:02.0	26.65
11/16/04 13:30:02.0	26.65
11/16/04 14:30:02.0	26.65
11/16/04 15:30:02.0	26.62
11/16/04 16:30:02.0	26.62
11/16/04 17:30:02.0	26.60
11/16/04 18:30:02.0	26.57
11/16/04 19:30:02.0	26.57
11/16/04 20:30:02.0	26.55
11/16/04 21:30:02.0	26.55
11/16/04 22:30:02.0	26.55
11/16/04 23:30:02.0	26.57
11/17/04 00:30:02.0	26.57

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temperature (ºC)
11/17/04 01:30:02.0	26.57
11/17/04 02:30:02.0	26.57
11/17/04 03:30:02.0	26.57
11/17/04 04:30:02.0	26.57
11/17/04 05:30:02.0	26.55
11/17/04 06:30:02.0	26.52
11/17/04 07:30:02.0	26.60
11/17/04 08:30:02.0	26.57
11/17/04 09:30:02.0	26.57
11/17/04 10:30:02.0	26.52
11/17/04 11:30:02.0	26.50
11/17/04 12:30:02.0	26.50
11/17/04 13:30:02.0	26.48
11/17/04 14:30:02.0	26.48
11/17/04 15:30:02.0	26.45
11/17/04 16:30:02.0	26.43
11/17/04 17:30:02.0	26.45
11/17/04 18:30:02.0	26.45
11/17/04 19:30:02.0	26.43
11/17/04 20:30:02.0	26.43
11/17/04 21:30:02.0	26.43
11/17/04 22:30:02.0	26.45
11/17/04 23:30:02.0	26.43
11/18/04 00:30:02.0	26.40
11/18/04 01:30:02.0	26.43
11/18/04 02:30:02.0	26.40
11/18/04 03:30:02.0	26.38
11/18/04 04:30:02.0	26.38
11/18/04 05:30:02.0	26.38
11/18/04 06:30:02.0	26.38
11/18/04 07:30:02.0	26.38
11/18/04 08:30:02.0	26.40
11/18/04 09:30:02.0	26.40
11/18/04 10:30:02.0	26.35
11/18/04 11:30:02.0	26.35
11/18/04 12:30:02.0	26.35
11/18/04 13:30:02.0	26.38
11/18/04 14:30:02.0	26.38
11/18/04 15:30:02.0	26.40
11/18/04 16:30:02.0	26.43
11/18/04 17:30:02.0	26.57
11/18/04 18:30:02.0	26.67
11/18/04 19:30:02.0	26.67
11/18/04 20:30:02.0	26.67
11/18/04 21:30:02.0	26.70
11/18/04 22:30:02.0	26.67
11/18/04 23:30:02.0	26.79
11/19/04 00:30:02.0	26.82
11/19/04 01:30:02.0	26.70
11/19/04 02:30:02.0	26.60
11/19/04 03:30:02.0	26.52
11/19/04 04:30:02.0	26.43
11/19/04 05:30:02.0	26.40
11/19/04 06:30:02.0	26.40
11/19/04 07:30:02.0	26.38
11/19/04 08:30:02.0	26.40
11/19/04 09:30:02.0	26.38
11/19/04 10:30:02.0	26.38
11/19/04 11:30:02.0	26.40
11/19/04 12:30:02.0	26.43
11/19/04 13:30:02.0	26.50
11/19/04 14:30:02.0	26.48
11/19/04 15:30:02.0	26.45
11/19/04 16:30:02.0	26.38
11/19/04 17:30:02.0	23.57

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/11/2005	24.82	0.101	0.05	5.19	49	14.83	0.150	10.17	0.3	7.4	13.4
5/11/2005	24.61	0.103	0.05	5.20	48	14.84	0.153	10.18	0.3	4.4	13.5
5/11/2005	24.43	0.102	0.05	5.22	49	14.83	0.147	10.19	0.3	1739.5	13.4
5/11/2005	24.26	0.104	0.05	5.19	49	14.83	0.144	10.18	0.4	104.0	13.4
5/11/2005	24.10	0.109	0.05	5.26	49	14.82	0.142	10.20	0.4	87.7	13.4
5/11/2005	23.96	0.120	0.06	5.27	48	14.83	0.144	10.21	0.4	7.7	13.4
5/11/2005	23.84	0.155	0.07	5.22	48	14.82	0.143	10.19	0.4	99.6	13.4
5/11/2005	23.73	0.122	0.06	5.29	49	14.82	0.141	10.20	0.4	35.0	13.4
5/11/2005	23.61	0.107	0.05	5.25	48	14.83	0.144	10.20	0.5	13.0	13.4
5/11/2005	23.51	0.109	0.05	5.28	48	14.83	0.145	10.20	0.5	11.1	13.4
5/11/2005	23.43	0.130	0.06	5.32	48	14.83	0.147	10.20	0.5	3.2	13.4
5/11/2005	23.36	0.129	0.06	5.33	48	14.83	0.148	10.19	0.5	3.2	13.3
5/11/2005	22.85	0.031	0.01	5.79	47	14.83	0.150	8.88	10.3	3.2	13.4
5/11/2005	23.42	0.030	0.01	5.83	47	14.84	0.153	9.00	44.0	2.1	13.4
5/11/2005	22.21	55.471	36.84	4.42	43	42.95	19.472	8.26	17.8	-3.2	13.4
5/11/2005	25.80	0.029	0.01	6.33	48	14.84	0.157	7.18	27.2	47.5	13.4
5/11/2005	23.76	0.030	0.01	6.09	47	14.85	0.159	7.58	26.5	46.5	13.4
5/11/2005	26.25	0.029	0.01	5.67	47	14.85	0.164	7.13	96.2	43.2	13.5
5/11/2005	24.14	0.030	0.01	5.91	47	14.86	0.165	7.60	28.1	42.9	13.5
5/11/2005	23.87	0.030	0.01	5.94	47	14.86	0.168	7.85	50.4	41.6	13.4
5/11/2005	24.01	0.030	0.01	5.91	46	14.86	0.169	8.00	31.6	40.8	13.4
5/11/2005	23.88	0.030	0.01	5.96	47	14.86	0.168	8.06	52.4	40.7	13.4
5/11/2005	23.89	0.030	0.01	5.98	47	14.86	0.170	8.15	50.3	40.2	13.4
5/11/2005	24.00	0.030	0.01	5.96	47	14.86	0.169	8.15	43.5	40.7	13.4
5/11/2005	24.12	0.030	0.01	5.92	46	14.86	0.168	8.17	39.4	41.3	13.4
5/11/2005	24.07	0.030	0.01	5.91	47	14.86	0.168	8.12	38.2	42.1	13.4
5/11/2005	23.89	0.030	0.01	5.93	47	14.86	0.166	8.17	38.4	43.2	13.4
5/11/2005	23.80	0.030	0.01	5.93	47	14.85	0.165	8.24	39.0	45.8	13.4
5/11/2005	23.93	0.030	0.01	5.90	46	14.85	0.164	8.30	39.7	46.9	13.4
5/11/2005	24.16	0.030	0.01	5.86	46	14.85	0.161	8.17	50.1	48.4	13.4
5/11/2005	24.23	0.030	0.01	5.83	47	14.85	0.158	8.21	55.9	51.7	13.4
5/11/2005	24.21	0.030	0.01	5.85	46	14.84	0.155	8.28	142.8	1611.5	13.4
5/11/2005	23.91	0.032	0.01	6.02	46	14.84	0.156	8.35	26.3	86.6	13.4
5/11/2005	24.89	0.030	0.01	5.98	47	14.84	0.155	8.10	680.0	2.4	13.4
5/11/2005	22.70	55.205	36.64	4.61	44	48.22	23.103	8.56	40.4	-3.2	13.4
5/11/2005	22.65	54.951	36.45	4.63	45	48.17	23.073	8.58	28.1	-3.1	13.4
5/12/2005	22.64	54.937	36.44	4.57	45	48.10	23.024	8.59	16.1	-3.2	13.4
5/12/2005	22.65	55.010	36.49	4.53	46	48.04	22.977	8.59	8.9	-3.2	13.4
5/12/2005	22.64	55.113	36.57	4.42	45	48.01	22.955	8.59	4.2	-3.1	13.4
5/12/2005	22.63	55.162	36.61	4.38	44	47.94	22.912	8.58	3.4	-3.2	13.4
5/12/2005	22.61	55.174	36.62	4.33	44	47.91	22.890	8.58	3.4	-3.2	13.4
5/12/2005	22.57	55.135	36.59	4.33	44	47.86	22.854	8.58	3.4	-3.2	13.4
5/12/2005	22.49	54.933	36.44	4.37	44	47.85	22.853	8.58	3.4	-3.2	13.4
5/12/2005	22.48	54.910	36.42	4.38	44	47.88	22.872	8.57	3.4	-3.2	13.4
5/12/2005	22.42	54.927	36.43	4.38	44	47.84	22.844	8.57	3.4	-3.2	13.4
5/12/2005	22.38	54.943	36.45	4.37	43	47.86	22.854	8.57	3.4	-3.2	13.3
5/12/2005	22.32	54.997	36.49	4.40	45	47.83	22.836	8.57	3.3	-3.2	13.3
5/12/2005	22.34	55.072	36.54	4.41	44	47.89	22.877	8.57	3.3	-3.1	13.3
5/12/2005	22.43	55.230	36.66	4.38	45	47.93	22.898	8.56	3.4	-3.2	13.3
5/12/2005	22.52	55.454	36.83	4.35	44	47.94	22.906	8.56	3.4	-3.1	13.4
5/12/2005	22.56	55.565	36.91	4.34	44	47.99	22.938	8.55	3.4	-3.2	13.4
5/12/2005	22.65	55.703	37.01	4.31	44	48.06	22.984	8.55	3.3	-3.2	13.4
5/12/2005	22.70	55.779	37.07	4.30	44	48.14	23.039	8.55	3.3	-3.2	13.4
5/12/2005	22.68	55.816	37.10	4.27	44	48.18	23.065	8.54	3.3	-3.2	13.3
5/12/2005	22.64	55.817	37.10	4.24	44	48.27	23.126	8.54	3.3	-3.2	13.3
5/12/2005	22.53	55.865	37.13	4.21	44	48.36	23.186	8.54	3.3	-3.2	13.3
5/12/2005	22.48	55.859	37.13	4.20	44	48.40	23.216	8.53	3.3	-3.2	13.3
5/12/2005	22.43	55.855	37.13	4.21	44	48.49	23.274	8.53	3.3	-3.2	13.3
5/12/2005	22.39	55.845	37.12	4.21	44	48.54	23.314	8.53	3.3	-3.2	13.3
5/12/2005	22.37	55.845	37.12	4.21	44	48.58	23.336	8.53	4.0	-3.2	13.3
5/12/2005	22.37	55.819	37.10	4.23	44	48.65	23.390	8.53	8.8	-3.2	13.3
5/12/2005	22.37	55.808	37.09	4.28	44	48.71	23.431	8.53	17.7	-3.2	13.3
5/12/2005	22.32	55.770	37.07	4.46	44	48.77	23.473	8.54	25.9	-3.2	13.3
5/12/2005	22.28	55.795	37.08	4.62	45	48.76	23.460	8.55	38.9	-3.2	13.3
5/12/2005	22.29	55.833	37.11	4.73	45	48.77	23.471	8.55	46.9	-3.2	13.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/12/2005	22.33	55.854	37.13	4.84	46	48.81	23.495	8.55	70.2	-3.2	13.3
5/12/2005	22.34	55.854	37.13	4.94	45	48.82	23.505	8.56	73.2	-3.2	13.3
5/12/2005	22.33	55.867	37.14	5.02	47	48.84	23.515	8.56	93.4	-3.2	13.3
5/12/2005	22.34	55.866	37.14	5.10	46	48.84	23.519	8.56	114.0	-3.2	13.3
5/12/2005	22.35	55.861	37.13	5.20	46	48.81	23.499	8.56	123.5	-3.2	13.3
5/12/2005	22.36	55.846	37.12	5.25	47	48.79	23.482	8.57	136.0	-3.2	13.3
5/12/2005	22.36	55.841	37.12	5.30	46	48.79	23.480	8.57	142.4	-3.1	13.3
5/12/2005	22.33	55.833	37.11	5.28	47	48.74	23.451	8.57	152.2	-3.2	13.3
5/12/2005	22.34	55.831	37.11	5.28	47	48.73	23.439	8.57	142.4	-3.2	13.3
5/12/2005	22.31	55.831	37.11	5.23	47	48.70	23.420	8.57	140.6	-3.2	13.3
5/12/2005	22.29	55.828	37.11	5.23	47	48.65	23.385	8.57	116.3	-3.2	13.3
5/12/2005	22.28	55.827	37.11	5.22	47	48.59	23.346	8.57	120.0	-3.2	13.3
5/12/2005	22.29	55.825	37.11	5.18	47	48.55	23.320	8.57	107.6	-3.2	13.3
5/12/2005	22.31	55.817	37.10	5.19	47	48.54	23.308	8.57	111.3	-3.2	13.3
5/12/2005	22.32	55.809	37.10	5.13	47	48.48	23.268	8.57	54.8	-3.1	13.3
5/12/2005	22.31	55.774	37.07	5.04	46	48.39	23.210	8.57	45.7	-3.2	13.3
5/12/2005	22.32	55.735	37.04	4.98	47	48.35	23.182	8.57	44.2	-3.2	13.3
5/12/2005	22.33	55.706	37.02	4.92	46	48.30	23.146	8.56	46.1	-3.2	13.3
5/12/2005	22.34	55.716	37.03	4.83	46	48.26	23.119	8.56	29.7	-3.2	13.3
5/13/2005	22.34	55.702	37.01	4.76	46	48.20	23.081	8.55	17.3	-3.2	13.3
5/13/2005	22.35	55.663	36.99	4.62	46	48.11	23.017	8.55	8.6	-3.2	13.3
5/13/2005	22.30	55.546	36.90	4.73	46	48.08	23.001	8.56	4.2	-3.2	13.3
5/13/2005	22.30	55.627	36.96	4.67	46	48.04	22.967	8.56	3.5	-3.2	13.2
5/13/2005	22.29	55.671	36.99	4.67	46	48.00	22.941	8.56	3.4	-3.2	13.3
5/13/2005	22.27	55.707	37.02	4.70	46	47.97	22.918	8.56	3.4	-3.2	13.3
5/13/2005	22.23	55.755	37.06	4.70	47	47.91	22.876	8.56	3.4	-3.2	13.3
5/13/2005	22.20	55.758	37.06	4.70	46	47.88	22.859	8.56	3.4	-3.2	13.2
5/13/2005	22.19	55.738	37.04	4.73	47	47.88	22.860	8.55	3.4	-3.2	13.2
5/13/2005	22.20	55.733	37.04	4.71	47	47.85	22.835	8.55	3.3	-3.2	13.2
5/13/2005	22.35	55.803	37.09	4.67	46	47.82	22.820	8.55	3.3	-3.2	13.2
5/13/2005	22.43	55.884	37.15	4.65	46	47.86	22.846	8.55	3.3	-3.2	13.2
5/13/2005	22.48	55.919	37.18	4.62	46	47.86	22.845	8.54	3.3	-3.2	13.1
5/13/2005	22.48	55.917	37.17	4.62	46	47.88	22.861	8.54	3.3	-3.2	13.2
5/13/2005	22.48	55.922	37.18	4.59	46	47.89	22.863	8.54	3.3	-3.2	13.2
5/13/2005	22.48	55.914	37.17	4.58	46	47.93	22.895	8.54	3.3	-3.2	13.1
5/13/2005	22.47	55.904	37.16	4.43	45	48.00	22.937	8.52	3.3	-3.2	13.1
5/13/2005	22.47	55.904	37.16	4.37	46	48.04	22.966	8.52	3.3	-3.2	13.2
5/13/2005	22.47	55.900	37.16	4.40	46	48.12	23.019	8.52	3.3	-3.2	13.1
5/13/2005	22.47	55.901	37.16	4.36	45	48.17	23.054	8.51	3.3	-3.2	13.1
5/13/2005	22.47	55.896	37.16	4.33	46	48.26	23.118	8.51	3.3	-3.2	13.1
5/13/2005	22.47	55.886	37.15	4.23	45	48.29	23.141	8.50	3.3	-3.2	13.1
5/13/2005	22.49	55.856	37.13	4.34	46	48.37	23.194	8.51	3.3	-3.2	13.1
5/13/2005	22.48	55.847	37.12	4.28	46	48.46	23.259	8.50	3.9	-3.2	13.1
5/13/2005	22.48	55.841	37.12	4.24	46	48.51	23.294	8.50	9.4	-3.2	13.2
5/13/2005	22.45	55.740	37.04	4.49	45	48.56	23.329	8.51	18.1	-3.2	13.1
5/13/2005	22.42	55.643	36.97	4.77	46	48.60	23.356	8.53	24.4	-2.9	13.1
5/13/2005	22.39	55.551	36.90	4.92	47	48.67	23.404	8.54	31.0	-3.2	13.1
5/13/2005	22.43	55.579	36.92	5.06	47	48.64	23.385	8.54	53.1	-3.2	13.1
5/13/2005	22.50	55.686	37.00	5.14	47	48.74	23.452	8.54	63.4	-3.2	13.1
5/13/2005	22.62	55.876	37.14	5.21	47	48.71	23.431	8.55	86.7	-3.2	13.1
5/13/2005	22.68	55.902	37.16	5.36	48	48.75	23.458	8.55	94.6	-3.2	13.1
5/13/2005	22.71	55.916	37.17	5.41	48	48.75	23.459	8.55	108.1	-3.2	13.2
5/13/2005	22.68	55.888	37.15	5.51	48	48.73	23.445	8.55	127.8	-3.2	13.0
5/13/2005	22.61	55.789	37.08	5.60	48	48.75	23.455	8.56	135.5	-3.2	13.1
5/13/2005	22.58	55.775	37.07	5.63	48	48.71	23.427	8.56	139.6	-3.2	13.0
5/13/2005	22.65	55.863	37.13	5.63	48	48.70	23.420	8.56	157.3	-3.2	13.0
5/13/2005	22.67	55.856	37.13	5.63	49	48.68	23.407	8.56	140.7	-3.2	13.0
5/13/2005	22.67	55.820	37.10	5.63	49	48.65	23.388	8.56	145.4	-3.1	13.2
5/13/2005	22.68	55.825	37.10	5.64	48	48.64	23.384	8.57	140.3	-3.2	13.0
5/13/2005	22.68	55.827	37.10	5.62	48	48.60	23.357	8.57	134.8	-3.2	13.2
5/13/2005	22.64	55.791	37.08	5.62	49	48.59	23.346	8.57	122.0	-3.2	13.2
5/13/2005	22.62	55.774	37.07	5.59	49	48.52	23.300	8.57	109.5	-3.2	13.0
5/13/2005	22.52	55.733	37.04	5.56	48	48.47	23.269	8.57	94.8	-3.2	13.2
5/13/2005	22.42	55.716	37.02	5.55	48	48.47	23.265	8.57	80.2	-3.2	13.0
5/13/2005	22.35	55.703	37.02	5.50	48	48.39	23.207	8.57	63.1	-3.2	13.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/13/2005	22.35	55.703	37.02	5.43	48	48.36	23.192	8.57	47.3	-2.9	13.0
5/13/2005	22.29	55.694	37.01	5.37	48	48.32	23.163	8.57	32.5	-3.2	13.0
5/14/2005	22.35	55.798	37.09	5.28	48	48.29	23.138	8.57	20.0	-3.2	13.0
5/14/2005	22.37	55.818	37.10	5.22	48	48.25	23.114	8.57	10.0	-3.2	13.2
5/14/2005	22.39	55.821	37.10	5.14	47	48.19	23.070	8.57	4.4	-3.2	13.2
5/14/2005	22.40	55.819	37.10	5.10	47	48.16	23.050	8.57	3.5	-3.2	13.0
5/14/2005	22.36	55.750	37.05	5.05	47	48.12	23.026	8.57	3.4	-3.1	13.2
5/14/2005	22.34	55.694	37.01	4.98	47	48.09	23.006	8.56	3.4	-3.2	13.0
5/14/2005	22.24	55.525	36.88	5.02	47	48.05	22.978	8.56	3.3	-3.2	13.2
5/14/2005	22.19	55.471	36.84	5.07	47	48.02	22.959	8.56	3.3	-3.1	13.1
5/14/2005	22.16	55.445	36.83	5.08	48	47.98	22.930	8.56	3.3	-3.1	13.2
5/14/2005	22.20	55.467	36.84	5.06	47	47.98	22.933	8.56	3.3	-3.2	13.2
5/14/2005	22.23	55.482	36.85	5.08	47	47.93	22.899	8.56	3.3	-3.2	13.2
5/14/2005	22.23	55.473	36.84	5.02	47	47.92	22.887	8.56	3.3	-3.2	13.1
5/14/2005	22.22	55.453	36.83	5.00	47	47.91	22.883	8.56	3.3	-3.2	13.2
5/14/2005	22.19	55.422	36.81	4.99	47	47.94	22.904	8.55	3.3	-3.2	13.2
5/14/2005	22.17	55.405	36.79	4.96	46	47.94	22.907	8.55	3.3	-3.2	13.1
5/14/2005	22.18	55.407	36.80	4.95	47	47.97	22.923	8.55	3.3	-3.2	13.2
5/14/2005	22.16	55.376	36.77	4.90	47	48.03	22.963	8.55	3.3	-3.2	13.2
5/14/2005	22.17	55.387	36.78	4.78	46	48.02	22.956	8.54	3.3	-3.2	13.0
5/14/2005	22.18	55.383	36.78	4.74	46	48.10	23.015	8.53	3.3	-3.1	13.1
5/14/2005	22.21	55.416	36.80	4.85	46	48.09	23.009	8.54	3.3	-3.2	13.2
5/14/2005	22.24	55.503	36.87	4.86	46	48.21	23.090	8.55	3.3	-3.2	13.1
5/14/2005	22.25	55.523	36.88	4.86	46	48.28	23.138	8.55	3.3	-3.1	13.1
5/14/2005	22.24	55.483	36.85	4.79	46	48.35	23.188	8.54	3.3	-3.2	13.2
5/14/2005	22.25	55.475	36.85	4.69	46	48.35	23.184	8.53	4.0	-3.2	13.1
5/14/2005	22.26	55.482	36.85	4.66	45	48.46	23.257	8.53	8.6	-3.2	13.1
5/14/2005	22.26	55.496	36.86	4.79	46	48.50	23.288	8.54	17.0	-3.2	13.2
5/14/2005	22.27	55.553	36.90	4.90	46	48.57	23.333	8.54	27.9	-3.2	13.2
5/14/2005	22.28	55.585	36.93	5.03	46	48.59	23.352	8.55	40.1	-3.2	13.2
5/14/2005	22.30	55.609	36.95	5.12	47	48.67	23.405	8.56	54.9	-3.2	13.1
5/14/2005	22.31	55.597	36.94	5.20	47	48.68	23.408	8.56	72.2	-3.2	13.1
5/14/2005	22.32	55.578	36.92	5.25	47	48.69	23.418	8.57	84.2	-3.2	13.1
5/14/2005	22.32	55.583	36.93	5.28	46	48.71	23.430	8.57	103.6	-3.2	13.1
5/14/2005	22.33	55.574	36.92	5.32	47	48.71	23.428	8.57	115.9	-3.2	13.1
5/14/2005	22.34	55.564	36.91	5.32	47	48.73	23.449	8.57	116.8	-3.2	13.1
5/14/2005	22.35	55.550	36.90	5.33	47	48.72	23.441	8.58	135.7	-3.2	13.1
5/14/2005	22.35	55.545	36.90	5.31	47	48.70	23.423	8.58	146.2	-3.2	13.1
5/14/2005	22.37	55.552	36.90	5.30	47	48.71	23.429	8.58	163.3	-3.1	13.1
5/14/2005	22.35	55.557	36.91	5.28	46	48.67	23.402	8.58	149.5	-3.2	13.1
5/14/2005	22.36	55.556	36.91	5.28	47	48.67	23.404	8.58	147.5	-3.2	13.1
5/14/2005	22.36	55.559	36.91	5.27	46	48.65	23.394	8.58	144.9	-3.2	13.1
5/14/2005	22.35	55.571	36.92	5.24	46	48.63	23.378	8.58	124.6	-3.2	13.1
5/14/2005	22.37	55.569	36.92	5.22	46	48.56	23.329	8.59	122.5	-3.2	13.1
5/14/2005	22.38	55.575	36.92	5.21	46	48.54	23.314	8.59	74.8	-3.2	13.1
5/14/2005	22.44	55.617	36.95	5.15	46	48.53	23.307	8.59	96.0	-3.2	13.1
5/14/2005	22.52	55.668	36.99	5.11	46	48.46	23.260	8.58	85.6	-3.1	13.1
5/14/2005	22.57	55.705	37.01	5.05	46	48.43	23.239	8.58	40.1	-3.2	13.1
5/14/2005	22.56	55.727	37.03	5.01	46	48.38	23.203	8.58	54.7	-3.2	13.0
5/14/2005	22.51	55.718	37.02	4.97	46	48.37	23.196	8.58	28.6	-3.2	13.1
5/15/2005	22.54	55.726	37.03	4.93	45	48.35	23.183	8.58	19.7	-3.2	13.1
5/15/2005	22.59	55.731	37.03	4.88	46	48.33	23.169	8.58	10.4	-3.2	13.1
5/15/2005	22.63	55.736	37.04	4.80	45	48.23	23.099	8.58	4.6	-3.2	13.1
5/15/2005	22.67	55.722	37.03	4.76	45	48.23	23.103	8.58	3.5	-3.2	13.0
5/15/2005	22.65	55.712	37.02	4.71	44	48.18	23.065	8.58	3.4	-3.2	13.1
5/15/2005	22.64	55.711	37.02	4.70	45	48.13	23.034	8.58	3.4	-3.2	13.0
5/15/2005	22.66	55.693	37.00	4.60	45	48.15	23.046	8.57	3.4	-3.2	13.1
5/15/2005	22.66	55.686	37.00	4.52	44	48.09	23.005	8.57	3.4	-3.2	13.1
5/15/2005	22.67	55.689	37.00	4.54	44	48.05	22.982	8.57	3.4	-3.1	13.0
5/15/2005	22.69	55.693	37.00	4.53	44	48.07	22.990	8.57	3.4	-3.2	13.0
5/15/2005	22.70	55.675	36.99	4.50	44	48.04	22.972	8.57	3.4	-3.2	13.0
5/15/2005	22.71	55.651	36.97	4.50	44	48.00	22.946	8.57	3.3	-3.2	13.0
5/15/2005	22.71	55.649	36.97	4.41	43	47.98	22.931	8.57	3.4	-3.1	13.0
5/15/2005	22.70	55.635	36.96	4.37	44	48.03	22.964	8.56	3.3	-3.1	13.0
5/15/2005	22.70	55.639	36.96	4.27	42	47.96	22.917	8.56	3.3	-3.2	13.0

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/15/2005	22.70	55.635	36.96	4.17	43	47.92	22.889	8.55	3.3	-3.2	13.0
5/15/2005	22.70	55.623	36.95	4.18	42	48.04	22.969	8.55	3.3	-3.2	13.0
5/15/2005	22.70	55.615	36.94	4.04	42	48.03	22.963	8.54	3.3	-3.2	13.0
5/15/2005	22.70	55.599	36.93	3.98	42	48.05	22.979	8.54	3.3	-3.2	13.0
5/15/2005	22.71	55.577	36.92	3.85	41	48.09	23.008	8.53	3.3	-3.2	13.0
5/15/2005	22.76	55.487	36.85	4.04	42	48.18	23.068	8.55	3.3	-3.2	13.0
5/15/2005	22.75	55.495	36.85	3.95	41	48.18	23.069	8.55	3.3	-3.2	13.0
5/15/2005	22.75	55.492	36.85	3.82	42	48.24	23.115	8.54	3.3	-3.1	13.0
5/15/2005	22.88	55.363	36.75	4.15	41	48.32	23.172	8.57	4.2	-3.1	13.0
5/15/2005	22.92	55.354	36.75	4.04	41	48.33	23.177	8.57	9.9	-3.2	13.0
5/15/2005	23.04	55.312	36.71	4.14	41	48.44	23.256	8.58	19.1	-3.2	13.0
5/15/2005	23.05	55.319	36.72	4.11	41	48.45	23.263	8.58	31.4	-3.2	13.0
5/15/2005	23.09	55.307	36.71	4.12	41	48.46	23.271	8.58	44.1	-3.2	13.0
5/15/2005	23.04	55.336	36.73	4.14	41	48.54	23.323	8.58	60.0	-3.2	13.0
5/15/2005	23.00	55.353	36.74	4.16	41	48.54	23.322	8.58	75.2	-3.2	13.0
5/15/2005	22.98	55.370	36.76	4.17	41	48.62	23.377	8.58	93.0	-3.2	13.0
5/15/2005	22.98	55.376	36.76	4.21	41	48.65	23.400	8.58	108.2	-3.1	13.0
5/15/2005	22.98	55.378	36.76	4.23	41	48.65	23.398	8.58	120.2	-3.2	13.0
5/15/2005	23.00	55.375	36.76	4.25	40	48.63	23.386	8.59	133.4	-3.2	13.0
5/15/2005	23.00	55.379	36.76	4.27	41	48.66	23.405	8.59	141.8	-3.1	13.0
5/15/2005	23.01	55.371	36.76	4.29	40	48.63	23.382	8.59	143.9	-3.1	13.0
5/15/2005	23.02	55.354	36.74	4.25	41	48.66	23.403	8.59	147.7	-3.1	13.0
5/15/2005	22.95	55.370	36.76	4.25	40	48.59	23.355	8.59	152.5	-3.2	13.0
5/15/2005	22.94	55.396	36.78	4.23	39	48.59	23.353	8.59	141.1	-3.2	13.0
5/15/2005	22.97	55.397	36.78	4.24	40	48.62	23.375	8.60	154.7	-3.2	13.0
5/15/2005	22.95	55.420	36.80	4.24	40	48.55	23.325	8.60	141.2	-3.1	13.0
5/15/2005	22.93	55.440	36.81	4.22	39	48.53	23.313	8.60	126.5	-3.2	13.0
5/15/2005	22.89	55.459	36.83	4.22	39	48.51	23.299	8.60	121.4	-3.2	13.0
5/15/2005	22.93	55.433	36.81	4.20	39	48.53	23.310	8.60	56.4	-3.2	13.0
5/15/2005	22.94	55.441	36.81	4.23	40	48.45	23.258	8.60	84.3	-3.2	13.0
5/15/2005	22.95	55.435	36.81	4.19	39	48.43	23.248	8.60	64.2	-3.2	13.0
5/15/2005	22.95	55.438	36.81	4.19	39	48.40	23.222	8.60	49.2	-3.2	13.0
5/15/2005	22.96	55.426	36.80	4.14	39	48.42	23.235	8.60	33.0	-3.2	13.0
5/16/2005	22.97	55.425	36.80	4.10	39	48.37	23.205	8.60	20.5	-3.1	13.0
5/16/2005	22.97	55.417	36.79	4.08	39	48.31	23.163	8.60	10.4	-3.1	13.0
5/16/2005	22.97	55.408	36.79	4.00	39	48.33	23.177	8.59	4.6	-3.2	13.0
5/16/2005	22.97	55.401	36.78	3.93	38	48.29	23.148	8.59	3.5	-3.2	13.0
5/16/2005	22.97	55.398	36.78	3.87	38	48.27	23.138	8.58	3.4	-3.2	13.0
5/16/2005	22.98	55.389	36.77	3.73	38	48.22	23.103	8.57	3.4	-3.1	13.0
5/16/2005	22.98	55.387	36.77	3.70	38	48.19	23.082	8.57	3.4	-3.2	13.0
5/16/2005	22.99	55.367	36.75	3.59	38	48.14	23.049	8.56	3.4	-3.2	13.0
5/16/2005	23.00	55.356	36.75	3.49	38	48.16	23.057	8.55	3.4	-3.2	13.0
5/16/2005	23.00	55.349	36.74	3.45	38	48.15	23.053	8.55	3.4	-3.2	13.0
5/16/2005	23.00	55.341	36.74	3.28	37	48.12	23.036	8.53	3.3	-3.2	13.0
5/16/2005	23.03	55.329	36.73	3.30	37	48.10	23.019	8.53	3.3	-3.2	13.0
5/16/2005	23.05	55.318	36.72	3.24	37	48.07	22.997	8.53	3.4	-3.2	13.0
5/16/2005	23.06	55.301	36.70	3.25	38	48.07	22.999	8.53	3.3	1.8	13.0
5/16/2005	23.22	55.200	36.63	3.75	38	48.03	22.973	8.59	3.4	-3.2	13.0
5/16/2005	23.23	55.228	36.65	3.66	38	48.04	22.980	8.58	3.3	-3.1	13.0
5/16/2005	23.29	55.234	36.65	3.74	38	48.07	23.005	8.59	3.3	-3.2	13.0
5/16/2005	23.31	55.253	36.66	3.76	37	48.07	23.002	8.59	3.3	-3.2	13.0
5/16/2005	23.27	55.256	36.67	3.76	38	48.11	23.031	8.59	3.3	-3.2	13.0
5/16/2005	23.20	55.257	36.67	3.72	38	48.12	23.035	8.59	3.3	-3.2	13.0
5/16/2005	23.00	55.259	36.67	3.77	38	48.17	23.065	8.59	3.3	-3.2	13.0
5/16/2005	22.90	55.260	36.68	3.79	38	48.19	23.083	8.59	3.3	-3.2	13.0
5/16/2005	22.91	55.259	36.68	3.77	37	48.25	23.122	8.59	3.3	-3.2	13.0
5/16/2005	22.95	55.261	36.68	3.74	38	48.29	23.153	8.59	4.1	-3.2	13.0
5/16/2005	23.04	55.263	36.68	3.73	38	48.35	23.195	8.59	10.0	-3.2	13.0
5/16/2005	23.09	55.258	36.67	3.77	38	48.35	23.192	8.59	20.9	-3.2	13.0
5/16/2005	23.04	55.261	36.67	3.62	37	48.46	23.269	8.57	29.0	-3.2	13.0
5/16/2005	23.09	55.278	36.69	3.90	38	48.49	23.291	8.61	42.8	-3.2	13.0
5/16/2005	23.03	55.292	36.70	3.95	38	48.53	23.315	8.61	56.8	-3.2	13.0
5/16/2005	23.04	55.322	36.72	4.00	39	48.55	23.330	8.61	73.3	-3.2	13.0
5/16/2005	23.24	55.335	36.73	4.03	39	48.57	23.348	8.61	88.3	-3.2	13.0
5/16/2005	23.32	55.328	36.72	4.10	38	48.59	23.360	8.61	101.8	-3.2	13.0

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/16/2005	23.37	55.305	36.70	4.14	38	48.64	23.394	8.62	115.6	-3.2	12.9
5/16/2005	23.38	55.290	36.69	4.18	39	48.64	23.393	8.62	126.7	-3.2	13.0
5/16/2005	23.40	55.264	36.67	4.27	39	48.63	23.388	8.62	138.4	-3.2	13.0
5/16/2005	23.38	55.258	36.67	4.21	39	48.65	23.398	8.62	146.8	-3.2	12.9
5/16/2005	23.38	55.249	36.66	4.23	39	48.62	23.379	8.63	144.8	-3.2	13.0
5/16/2005	23.40	55.247	36.66	4.27	38	48.60	23.368	8.63	156.2	-3.2	13.0
5/16/2005	23.44	55.243	36.65	4.31	39	48.59	23.364	8.63	146.1	-3.2	13.0
5/16/2005	23.45	55.225	36.64	4.28	39	48.58	23.357	8.63	143.1	-3.2	13.0
5/16/2005	23.46	55.219	36.64	4.33	39	48.54	23.330	8.63	126.8	-3.2	13.0
5/16/2005	23.48	55.214	36.63	4.41	39	48.52	23.316	8.64	126.3	-3.2	13.0
5/16/2005	23.50	55.210	36.63	4.38	39	48.50	23.302	8.64	102.9	-3.2	13.0
5/16/2005	23.49	55.202	36.62	4.31	38	48.48	23.284	8.62	51.5	-3.2	13.0
5/16/2005	23.50	55.189	36.61	4.30	39	48.42	23.247	8.63	54.7	-3.2	12.9
5/16/2005	23.46	55.172	36.60	4.20	39	48.43	23.251	8.62	44.1	-3.2	12.9
5/16/2005	23.46	55.174	36.60	4.17	38	48.39	23.225	8.62	28.8	-3.2	13.0
5/16/2005	23.46	55.177	36.60	4.14	38	48.39	23.226	8.62	21.0	-3.2	13.0
5/17/2005	23.31	55.249	36.66	4.16	38	48.35	23.194	8.61	16.3	-3.2	12.9
5/17/2005	23.26	55.266	36.67	4.10	38	48.35	23.196	8.61	11.6	-3.2	12.9
5/17/2005	23.24	55.270	36.68	4.03	38	48.34	23.188	8.60	4.2	-3.2	12.9
5/17/2005	23.24	55.264	36.67	3.97	39	48.34	23.186	8.60	3.5	-3.2	12.9
5/17/2005	23.24	55.260	36.67	3.95	39	48.33	23.178	8.60	3.5	-3.2	12.9
5/17/2005	23.24	55.258	36.67	3.94	38	48.33	23.181	8.60	3.4	-3.2	12.9
5/17/2005	23.23	55.258	36.67	3.89	37	48.31	23.165	8.60	3.4	-3.2	12.9
5/17/2005	23.21	55.259	36.67	3.83	38	48.29	23.155	8.59	3.4	-3.2	13.0
5/17/2005	23.20	55.257	36.67	3.83	38	48.27	23.141	8.59	3.4	-3.2	13.0
5/17/2005	23.18	55.262	36.67	3.81	38	48.26	23.131	8.60	3.4	-3.2	12.9
5/17/2005	23.18	55.262	36.67	3.72	38	48.25	23.126	8.59	3.4	-3.2	12.9
5/17/2005	23.19	55.258	36.67	3.73	38	48.23	23.113	8.59	3.4	-3.2	12.9
5/17/2005	23.21	55.258	36.67	3.80	38	48.22	23.104	8.60	3.4	-3.2	12.9
5/17/2005	23.23	55.294	36.70	3.95	38	48.20	23.090	8.61	3.4	-3.2	12.9
5/17/2005	23.23	55.298	36.70	3.96	38	48.18	23.076	8.62	3.3	-3.2	12.9
5/17/2005	23.23	55.297	36.70	3.95	38	48.15	23.055	8.62	3.4	-3.2	12.9
5/17/2005	23.24	55.303	36.70	3.95	38	48.14	23.049	8.61	3.3	-3.2	13.0
5/17/2005	23.24	55.299	36.70	3.95	38	48.17	23.069	8.61	3.3	-3.2	13.0
5/17/2005	23.26	55.287	36.69	3.93	38	48.16	23.061	8.61	3.3	-3.1	13.0
5/17/2005	23.26	55.280	36.69	3.91	38	48.16	23.066	8.61	3.4	-3.2	12.9
5/17/2005	23.25	55.286	36.69	3.79	38	48.17	23.074	8.60	3.3	-3.2	12.9
5/17/2005	23.27	55.274	36.68	3.74	38	48.19	23.083	8.59	3.3	-3.2	12.9
5/17/2005	23.27	55.276	36.68	3.67	38	48.22	23.105	8.59	3.3	-3.2	12.9
5/17/2005	23.27	55.269	36.68	3.59	37	48.25	23.129	8.58	4.2	0.8	12.9
5/17/2005	23.28	55.262	36.67	3.63	38	48.28	23.149	8.58	9.6	-3.1	12.9
5/17/2005	23.28	55.265	36.67	3.66	38	48.32	23.171	8.58	18.0	-3.1	12.9
5/17/2005	23.16	55.177	36.61	3.83	38	48.35	23.197	8.60	25.0	-3.2	12.9
5/17/2005	23.04	55.167	36.60	4.21	38	48.40	23.228	8.63	38.3	-3.2	12.9
5/17/2005	23.06	55.177	36.61	4.30	39	48.42	23.244	8.64	55.4	-3.2	12.9
5/17/2005	23.11	55.200	36.63	4.34	39	48.47	23.275	8.64	37.4	-3.2	12.9
5/17/2005	23.25	55.211	36.63	4.56	40	48.48	23.284	8.65	83.9	-3.2	12.9
5/17/2005	23.36	55.236	36.65	4.73	39	48.51	23.306	8.66	100.5	-3.1	12.9
5/17/2005	23.38	55.236	36.65	4.82	40	48.52	23.315	8.67	112.8	-3.2	12.9
5/17/2005	23.40	55.238	36.65	4.91	40	48.54	23.324	8.68	115.3	-3.2	12.9
5/17/2005	23.43	55.235	36.65	5.06	40	48.55	23.332	8.69	130.5	-3.2	12.9
5/17/2005	23.38	55.243	36.66	4.84	40	48.54	23.327	8.67	136.7	-3.2	12.9
5/17/2005	23.38	55.241	36.65	4.88	40	48.53	23.322	8.70	142.9	-3.2	12.9
5/17/2005	23.32	55.235	36.65	4.95	40	48.53	23.316	8.70	143.4	-3.2	12.9
5/17/2005	23.22	55.203	36.63	4.90	39	48.50	23.299	8.71	130.4	-3.2	12.9
5/17/2005	23.14	55.179	36.61	5.01	40	48.49	23.291	8.72	133.4	-3.2	12.9
5/17/2005	23.09	55.165	36.60	4.97	40	48.47	23.275	8.70	128.0	-3.0	12.9
5/17/2005	23.10	55.167	36.60	5.13	40	48.44	23.255	8.74	120.3	-3.2	12.9
5/17/2005	23.05	55.167	36.60	4.86	39	48.43	23.247	8.70	102.8	-3.2	12.9
5/17/2005	22.99	55.172	36.61	4.85	39	48.39	23.225	8.72	94.6	-3.2	12.9
5/17/2005	22.93	55.134	36.58	4.72	39	48.37	23.209	8.71	77.4	-3.2	12.9
5/17/2005	22.85	55.095	36.55	4.63	39	48.38	23.210	8.70	60.9	-3.0	12.9
5/17/2005	22.76	55.133	36.58	4.48	39	48.34	23.189	8.67	47.1	-3.2	12.9
5/17/2005	22.76	55.151	36.60	4.51	39	48.33	23.180	8.68	32.7	-3.2	12.9
5/18/2005	22.80	55.150	36.60	4.42	39	48.33	23.179	8.66	20.3	-3.2	12.9

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/18/2005	22.82	55.142	36.59	4.33	39	48.34	23.185	8.65	10.6	-3.2	12.9
5/18/2005	22.84	55.134	36.58	4.23	38	48.33	23.178	8.64	4.7	-3.2	13.0
5/18/2005	22.86	55.126	36.58	4.18	38	48.33	23.176	8.64	3.5	-3.2	13.0
5/18/2005	22.89	55.134	36.58	4.19	38	48.33	23.181	8.64	3.5	-3.2	12.9
5/18/2005	22.91	55.140	36.59	4.15	38	48.34	23.188	8.64	3.5	-2.8	12.9
5/18/2005	22.92	55.142	36.59	4.10	39	48.35	23.197	8.63	3.4	-3.2	12.9
5/18/2005	22.93	55.154	36.60	4.09	39	48.36	23.201	8.64	3.4	-3.2	12.9
5/18/2005	22.92	55.164	36.60	4.10	39	48.36	23.201	8.63	3.4	-3.1	12.9
5/18/2005	22.92	55.172	36.61	4.10	39	48.35	23.193	8.63	3.4	-3.2	12.9
5/18/2005	22.91	55.175	36.61	4.06	39	48.36	23.197	8.63	3.4	-3.2	12.9
5/18/2005	22.92	55.171	36.61	4.03	39	48.35	23.194	8.63	3.4	-3.2	12.8
5/18/2005	22.92	55.171	36.61	3.93	38	48.33	23.183	8.62	3.4	-3.2	12.8
5/18/2005	22.92	55.171	36.61	3.85	38	48.33	23.178	8.61	3.4	-3.2	12.8
5/18/2005	22.92	55.169	36.61	3.85	38	48.32	23.171	8.61	3.4	-3.2	12.9
5/18/2005	22.92	55.168	36.61	3.79	38	48.29	23.150	8.60	3.4	-3.2	12.9
5/18/2005	22.92	55.167	36.61	3.75	38	48.29	23.155	8.59	3.3	-3.1	12.9
5/18/2005	22.92	55.163	36.60	3.78	38	48.29	23.149	8.60	3.4	-3.2	12.8
5/18/2005	22.92	55.161	36.60	3.69	39	48.27	23.137	8.59	3.3	-3.2	12.9
5/18/2005	22.93	55.160	36.60	3.49	38	48.28	23.144	8.57	3.4	-3.2	12.8
5/18/2005	22.92	55.158	36.60	3.64	38	48.27	23.138	8.59	3.4	-3.2	12.9
5/18/2005	22.93	55.154	36.60	3.51	38	48.28	23.145	8.57	3.3	-2.9	12.8
5/18/2005	22.94	55.148	36.59	3.39	38	48.31	23.165	8.56	3.3	-3.1	12.9
5/18/2005	22.94	55.150	36.59	3.29	37	48.33	23.176	8.54	4.3	-3.2	12.9
5/18/2005	22.95	55.142	36.59	3.26	37	48.35	23.191	8.54	9.5	-3.2	12.9
5/18/2005	22.96	55.139	36.58	3.48	38	48.37	23.206	8.57	17.6	-3.2	12.9
5/18/2005	23.16	55.094	36.55	4.25	39	48.40	23.230	8.66	28.7	-3.2	12.9
5/18/2005	23.12	55.108	36.56	4.35	39	48.42	23.244	8.66	41.0	-3.1	12.8
5/18/2005	23.09	55.122	36.57	4.64	39	48.45	23.267	8.69	52.2	-3.2	12.9
5/18/2005	23.09	55.132	36.58	4.63	40	48.48	23.284	8.69	66.7	-3.2	12.9
5/18/2005	23.04	55.172	36.61	4.78	40	48.49	23.290	8.70	82.0	-3.0	12.8
5/18/2005	23.00	55.184	36.62	5.11	40	48.52	23.311	8.73	95.6	-3.2	12.8
5/18/2005	22.98	55.163	36.60	4.84	40	48.52	23.311	8.73	110.3	-3.2	12.8
5/18/2005	22.95	55.094	36.55	4.94	40	48.54	23.323	8.72	110.4	-3.0	12.8
5/18/2005	22.94	55.051	36.52	5.65	41	48.53	23.315	8.75	120.8	-3.2	12.9
5/18/2005	22.92	55.031	36.50	5.62	41	48.52	23.309	8.78	136.2	-3.2	12.8
5/18/2005	22.89	55.027	36.50	5.32	41	48.52	23.312	8.76	144.4	-3.2	12.8
5/18/2005	22.85	55.026	36.50	5.34	41	48.51	23.302	8.78	141.9	-3.2	12.9
5/18/2005	22.83	55.046	36.52	5.48	41	48.48	23.284	8.78	139.8	-3.2	12.8
5/18/2005	22.82	55.050	36.52	5.60	41	48.47	23.278	8.80	148.8	-3.2	12.8
5/18/2005	22.79	55.028	36.50	5.07	40	48.44	23.257	8.78	130.0	-3.2	12.8
5/18/2005	22.79	55.021	36.50	5.45	41	48.41	23.235	8.79	117.3	-3.1	12.8
5/18/2005	22.80	55.001	36.48	5.61	41	48.38	23.217	8.80	106.2	-3.2	12.8
5/18/2005	22.80	54.988	36.47	5.32	40	48.37	23.205	8.80	91.9	-3.2	12.8
5/18/2005	22.82	54.969	36.46	5.15	41	48.35	23.193	8.80	76.6	-3.2	12.8
5/18/2005	22.87	54.962	36.45	4.81	39	48.33	23.179	8.74	62.7	-3.2	12.8
5/18/2005	22.89	54.964	36.45	4.89	40	48.31	23.166	8.76	48.1	-3.2	12.8
5/18/2005	22.94	54.958	36.45	4.63	39	48.30	23.163	8.70	33.9	-3.2	12.9
5/19/2005	22.98	54.963	36.45	4.53	39	48.30	23.160	8.68	21.0	-3.1	12.9
5/19/2005	23.02	54.961	36.45	4.43	39	48.30	23.161	8.66	9.6	-3.2	12.9
5/19/2005	22.99	54.933	36.43	4.41	39	48.31	23.169	8.66	4.6	-3.2	12.9
5/19/2005	22.95	54.938	36.43	4.38	39	48.33	23.183	8.65	3.5	-3.2	12.9
5/19/2005	23.00	54.974	36.46	4.36	39	48.33	23.185	8.65	3.5	-3.2	12.8
5/19/2005	23.06	55.013	36.49	4.39	39	48.36	23.203	8.66	3.4	-3.2	12.9
5/19/2005	23.12	55.025	36.50	4.38	39	48.38	23.216	8.66	3.4	-3.2	12.8
5/19/2005	23.20	55.060	36.52	4.35	39	48.40	23.232	8.65	3.4	-3.2	12.9
5/19/2005	23.69	55.231	36.64	4.30	39	48.40	23.231	8.65	3.4	-3.2	12.9
5/19/2005	24.06	55.449	36.80	4.25	39	48.44	23.256	8.65	3.4	-3.2	12.9
5/19/2005	24.10	55.459	36.80	4.27	39	48.44	23.260	8.65	3.4	-3.2	12.9
5/19/2005	24.06	55.450	36.80	4.27	39	48.45	23.264	8.65	3.4	-3.2	12.9
5/19/2005	24.09	55.453	36.80	4.26	39	48.46	23.274	8.65	3.4	-3.1	12.9
5/19/2005	24.08	55.455	36.80	4.23	39	48.47	23.282	8.65	3.4	-3.2	12.9
5/19/2005	24.07	55.474	36.82	4.23	39	48.45	23.266	8.64	3.4	-3.2	12.9
5/19/2005	24.08	55.499	36.83	4.23	39	48.43	23.253	8.65	3.4	-3.2	12.9
5/19/2005	24.09	55.514	36.84	4.20	39	48.43	23.250	8.64	3.4	-3.2	12.7
5/19/2005	24.10	55.533	36.86	4.20	39	48.42	23.248	8.64	3.4	-3.2	12.8

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/19/2005	24.09	55.534	36.86	4.20	39	48.42	23.242	8.64	3.4	-3.2	12.8
5/19/2005	24.09	55.534	36.86	4.17	39	48.42	23.243	8.64	3.4	-3.2	12.8
5/19/2005	24.10	55.539	36.86	4.13	39	48.42	23.242	8.63	3.4	-3.2	12.8
5/19/2005	24.10	55.536	36.86	4.09	39	48.40	23.231	8.63	3.4	-3.2	12.8
5/19/2005	24.09	55.537	36.86	3.99	39	48.41	23.234	8.62	3.4	-3.1	12.7
5/19/2005	24.09	55.533	36.86	3.95	39	48.41	23.239	8.61	4.5	-3.2	12.8
5/19/2005	24.07	55.536	36.86	3.98	39	48.43	23.251	8.63	10.3	-3.2	12.7
5/19/2005	24.07	55.529	36.86	3.96	39	48.44	23.256	8.63	19.8	-3.2	12.8
5/19/2005	24.09	55.530	36.86	4.03	39	48.45	23.269	8.65	32.4	-3.2	12.7
5/19/2005	24.10	55.531	36.86	4.06	39	48.47	23.280	8.66	46.0	-3.2	12.7
5/19/2005	24.11	55.536	36.86	4.23	39	48.50	23.298	8.68	60.3	-3.1	12.8
5/19/2005	24.12	55.529	36.86	4.27	39	48.50	23.297	8.67	77.3	0.7	12.7
5/19/2005	24.13	55.523	36.85	4.30	39	48.53	23.323	8.69	91.7	-3.0	12.7
5/19/2005	24.16	55.530	36.86	4.55	39	48.53	23.320	8.74	106.2	-3.1	12.7
5/19/2005	24.18	55.525	36.85	4.52	39	48.53	23.324	8.73	117.3	-3.0	12.7
5/19/2005	24.25	55.521	36.85	4.88	40	48.53	23.322	8.75	126.0	-2.9	12.7
5/19/2005	24.26	55.511	36.84	4.89	40	48.53	23.321	8.71	132.4	-3.0	12.7
5/19/2005	24.29	55.506	36.84	5.04	40	48.53	23.323	8.74	149.3	-3.1	12.7
5/19/2005	24.33	55.541	36.86	5.00	40	48.51	23.311	8.78	137.7	-2.9	12.7
5/19/2005	24.34	55.535	36.86	4.74	40	48.49	23.292	8.79	154.0	-3.1	12.7
5/19/2005	24.34	55.532	36.85	4.69	39	48.45	23.269	8.78	149.4	-2.7	12.7
5/19/2005	24.37	55.507	36.83	4.86	40	48.41	23.243	8.79	145.6	-3.1	12.7
5/19/2005	24.38	55.486	36.82	4.76	40	48.40	23.232	8.78	134.4	-3.1	12.7
5/19/2005	24.41	55.466	36.80	4.97	40	48.36	23.204	8.76	109.6	-2.9	12.7
5/19/2005	24.40	55.474	36.81	4.81	40	48.32	23.181	8.77	112.4	-2.9	12.7
5/19/2005	24.41	55.464	36.80	4.73	39	48.31	23.172	8.77	115.9	-3.0	12.7
5/19/2005	24.41	55.426	36.77	4.56	39	48.27	23.146	8.77	84.4	-2.8	12.7
5/19/2005	24.27	55.296	36.68	4.54	39	48.25	23.129	8.74	67.9	-3.0	12.7
5/19/2005	23.89	55.135	36.57	4.49	39	48.22	23.112	8.71	51.1	-3.1	12.7
5/19/2005	23.49	54.972	36.45	4.52	39	48.21	23.106	8.69	33.5	-3.1	12.7
5/20/2005	23.28	54.888	36.39	4.52	39	48.21	23.103	8.68	21.0	-3.1	12.8
5/20/2005	23.12	54.771	36.31	4.49	39	48.22	23.110	8.66	11.2	-3.1	12.7
5/20/2005	22.96	54.640	36.21	4.48	39	48.22	23.112	8.66	5.0	-3.1	12.7
5/20/2005	22.98	54.622	36.20	4.46	39	48.24	23.124	8.66	3.6	-3.2	12.7
5/20/2005	23.01	54.626	36.20	4.39	38	48.26	23.137	8.65	3.5	-3.0	12.7
5/20/2005	23.03	54.589	36.17	4.41	39	48.30	23.167	8.65	3.5	-3.1	12.7
5/20/2005	23.05	54.566	36.16	4.38	39	48.33	23.187	8.64	3.4	-3.2	12.7
5/20/2005	23.09	54.577	36.16	4.39	38	48.37	23.213	8.65	3.4	-3.1	12.7
5/20/2005	23.15	54.614	36.19	4.47	39	48.40	23.233	8.65	3.4	-3.1	12.7
5/20/2005	23.17	54.640	36.21	4.39	39	48.43	23.256	8.65	3.4	-3.2	12.8
5/20/2005	23.20	54.671	36.23	4.37	39	48.47	23.281	8.64	3.4	-3.1	12.7
5/20/2005	23.23	54.691	36.25	4.37	39	48.49	23.296	8.64	3.4	-3.1	12.7
5/20/2005	23.27	54.697	36.25	4.34	39	48.52	23.320	8.64	3.4	-2.6	12.8
5/20/2005	23.29	54.701	36.25	4.30	39	48.52	23.321	8.64	3.4	-3.1	12.7
5/20/2005	23.30	54.699	36.25	4.20	38	48.54	23.330	8.62	3.4	-3.1	12.7
5/20/2005	23.27	54.696	36.25	4.25	39	48.53	23.328	8.63	3.4	-3.1	12.8
5/20/2005	23.29	54.690	36.24	4.23	38	48.53	23.326	8.63	3.4	-3.2	12.7
5/20/2005	23.30	54.695	36.25	4.16	39	48.54	23.334	8.62	3.4	-3.0	12.7
5/20/2005	23.25	54.640	36.21	4.37	39	48.53	23.328	8.65	3.4	-3.1	12.7
5/20/2005	23.24	54.697	36.25	4.29	39	48.54	23.330	8.64	3.4	-3.1	12.7
5/20/2005	23.39	54.844	36.36	4.40	38	48.52	23.316	8.66	3.4	-3.1	12.7
5/20/2005	23.38	54.837	36.35	4.37	39	48.51	23.313	8.65	3.4	-3.2	12.7
5/20/2005	23.38	54.840	36.35	4.36	39	48.51	23.311	8.65	3.4	-3.1	12.7
5/20/2005	23.39	54.837	36.35	4.32	38	48.52	23.315	8.64	4.4	-3.1	12.7
5/20/2005	23.39	54.834	36.35	4.30	38	48.52	23.319	8.65	10.0	-3.1	12.7
5/20/2005	23.39	54.840	36.35	4.36	39	48.51	23.310	8.66	18.0	-3.2	12.7
5/20/2005	23.39	54.828	36.35	4.32	39	48.52	23.316	8.67	25.0	-3.0	12.7
5/20/2005	23.41	54.833	36.35	4.44	39	48.52	23.319	8.70	38.7	-3.1	12.7
5/20/2005	23.41	54.820	36.34	4.44	38	48.52	23.320	8.72	51.8	-3.1	12.7
5/20/2005	23.42	54.829	36.35	4.61	39	48.53	23.326	8.74	66.2	-3.1	12.7
5/20/2005	23.43	54.805	36.33	4.60	39	48.53	23.323	8.76	78.6	-3.1	12.7
5/20/2005	23.45	54.824	36.34	4.88	40	48.55	23.336	8.79	93.5	-3.0	12.7
5/20/2005	23.40	54.821	36.34	4.92	40	48.54	23.335	8.82	107.4	-3.2	12.7
5/20/2005	23.36	54.841	36.36	5.01	40	48.52	23.320	8.81	119.4	-3.1	12.7
5/20/2005	23.33	54.848	36.36	5.30	40	48.52	23.318	8.83	130.6	-2.9	12.7

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/20/2005	23.32	54.844	36.36	5.13	40	48.50	23.305	8.82	134.4	-3.1	12.7
5/20/2005	23.33	54.854	36.37	5.14	41	48.50	23.300	8.85	130.0	-3.1	12.7
5/20/2005	23.36	54.833	36.35	5.07	40	48.46	23.277	8.86	148.7	-3.1	12.7
5/20/2005	23.39	54.822	36.34	5.15	40	48.43	23.255	8.87	144.5	-3.0	12.7
5/20/2005	23.41	54.781	36.31	5.13	40	48.38	23.222	8.83	142.9	-3.1	12.7
5/20/2005	23.48	54.738	36.28	5.11	40	48.35	23.200	8.85	139.8	-3.1	12.7
5/20/2005	23.53	54.713	36.26	5.14	40	48.30	23.171	8.84	121.7	-3.1	12.7
5/20/2005	23.56	54.693	36.24	5.13	40	48.26	23.140	8.82	107.8	-3.1	12.7
5/20/2005	23.47	54.596	36.17	4.94	39	48.23	23.119	8.81	94.9	-3.1	12.7
5/20/2005	23.40	54.596	36.17	4.92	40	48.20	23.103	8.84	80.6	-3.1	12.7
5/20/2005	23.44	54.623	36.19	4.88	39	48.17	23.083	8.82	63.7	-3.0	12.7
5/20/2005	23.39	54.614	36.19	4.72	39	48.13	23.054	8.76	48.9	-3.1	12.7
5/20/2005	23.40	54.637	36.20	4.64	39	48.12	23.048	8.72	33.6	-3.1	12.7
5/21/2005	23.43	54.650	36.21	4.60	39	48.12	23.043	8.69	21.3	-3.1	12.7
5/21/2005	23.49	54.662	36.22	4.57	39	48.12	23.043	8.67	11.2	-3.1	12.7
5/21/2005	23.54	54.684	36.23	4.51	39	48.12	23.047	8.66	5.0	-3.1	12.7
5/21/2005	23.57	54.683	36.23	4.45	38	48.15	23.066	8.65	3.6	-3.1	12.7
5/21/2005	23.57	54.689	36.24	4.38	39	48.18	23.086	8.65	3.5	-3.1	12.7
5/21/2005	23.63	54.717	36.26	4.31	38	48.22	23.115	8.64	3.5	-3.1	12.7
5/21/2005	23.71	54.746	36.28	4.28	38	48.25	23.136	8.64	3.5	-3.1	12.7
5/21/2005	23.73	54.758	36.29	4.23	38	48.31	23.175	8.63	3.4	-3.1	12.7
5/21/2005	23.96	54.907	36.39	4.31	39	48.35	23.205	8.64	3.4	-3.1	12.7
5/21/2005	23.90	54.934	36.42	4.34	38	48.43	23.255	8.64	3.4	-3.2	12.7
5/21/2005	23.69	54.883	36.38	4.38	38	48.46	23.277	8.65	3.4	-3.2	12.7
5/21/2005	23.56	54.881	36.38	4.46	39	48.50	23.306	8.66	3.4	-3.1	12.7
5/21/2005	23.45	54.859	36.37	4.43	38	48.56	23.343	8.65	3.4	-3.2	12.7
5/21/2005	23.37	54.843	36.36	4.43	38	48.60	23.370	8.65	3.4	-3.1	12.7
5/21/2005	23.33	54.826	36.34	4.41	38	48.62	23.388	8.65	3.4	-3.2	12.7
5/21/2005	23.30	54.808	36.33	4.38	39	48.63	23.396	8.65	3.4	-3.1	12.7
5/21/2005	23.28	54.799	36.33	4.40	38	48.66	23.412	8.65	3.4	-3.1	12.7
5/21/2005	23.29	54.800	36.33	4.30	38	48.67	23.421	8.64	3.4	-3.1	12.7
5/21/2005	23.26	54.793	36.32	4.32	38	48.67	23.424	8.64	3.4	-3.0	12.7
5/21/2005	23.26	54.794	36.32	4.27	38	48.68	23.427	8.64	3.4	-3.0	12.7
5/21/2005	23.26	54.795	36.32	4.23	38	48.68	23.427	8.63	3.4	-3.0	12.7
5/21/2005	23.23	54.801	36.33	4.18	38	48.66	23.414	8.63	3.4	-3.0	12.7
5/21/2005	23.23	54.798	36.33	4.18	38	48.65	23.409	8.63	3.3	-3.0	12.7
5/21/2005	23.33	54.893	36.39	4.39	39	48.64	23.402	8.66	4.2	-3.0	12.7
5/21/2005	23.45	54.952	36.44	4.39	39	48.66	23.411	8.66	8.7	-3.0	12.7
5/21/2005	23.52	54.983	36.46	4.44	38	48.63	23.394	8.67	17.1	-3.0	12.7
5/21/2005	23.53	54.989	36.46	4.45	38	48.63	23.393	8.68	22.9	-3.0	12.7
5/21/2005	23.50	54.976	36.45	4.59	39	48.63	23.390	8.72	40.9	-2.9	12.7
5/21/2005	23.49	54.966	36.45	4.60	39	48.61	23.375	8.72	51.9	-2.9	12.7
5/21/2005	23.51	54.965	36.45	4.74	39	48.58	23.357	8.72	66.1	-3.1	12.7
5/21/2005	23.52	54.967	36.45	4.75	39	48.58	23.357	8.75	71.9	-3.1	12.7
5/21/2005	23.78	55.113	36.55	4.96	39	48.58	23.354	8.78	63.6	-3.1	12.7
5/21/2005	23.89	55.171	36.59	4.99	39	48.55	23.334	8.78	108.4	-3.1	12.7
5/21/2005	23.89	55.138	36.57	5.25	40	48.53	23.327	8.79	116.7	-3.1	12.7
5/21/2005	23.88	55.139	36.57	5.07	39	48.50	23.303	8.75	122.6	-3.0	12.7
5/21/2005	23.90	55.165	36.59	4.91	39	48.47	23.285	8.74	67.3	-3.1	12.7
5/21/2005	23.94	55.181	36.60	5.23	40	48.45	23.270	8.77	137.2	-3.0	12.7
5/21/2005	23.96	55.198	36.61	5.14	40	48.41	23.241	8.77	147.6	-3.0	12.7
5/21/2005	23.94	55.185	36.60	5.06	39	48.35	23.199	8.79	134.8	-3.0	12.7
5/21/2005	23.90	55.159	36.58	5.06	39	48.31	23.170	8.77	128.8	-3.0	12.7
5/21/2005	23.85	55.079	36.52	5.08	40	48.25	23.130	8.79	122.5	-2.9	12.7
5/21/2005	23.71	55.010	36.48	5.09	39	48.19	23.088	8.77	117.2	-3.0	12.7
5/21/2005	23.67	54.947	36.43	5.19	39	48.15	23.062	8.79	102.3	-3.0	12.7
5/21/2005	23.61	54.878	36.38	5.02	39	48.08	23.019	8.78	89.0	-3.0	12.7
5/21/2005	23.57	54.810	36.33	5.04	39	48.04	22.992	8.79	75.2	-2.9	12.7
5/21/2005	23.43	54.777	36.31	4.82	39	47.97	22.942	8.76	61.2	-3.1	12.7
5/21/2005	23.36	54.797	36.32	4.73	39	47.96	22.931	8.74	46.5	-3.0	12.7
5/21/2005	23.38	54.812	36.33	4.73	39	47.93	22.913	8.72	32.1	-3.1	12.7
5/22/2005	23.44	54.815	36.33	4.61	38	47.91	22.897	8.69	19.5	-3.0	12.7
5/22/2005	23.44	54.809	36.33	4.56	38	47.89	22.888	8.68	10.2	-3.0	12.7
5/22/2005	23.43	54.803	36.33	4.46	38	47.92	22.902	8.67	4.9	-3.0	12.7
5/22/2005	23.45	54.807	36.33	4.42	38	47.92	22.908	8.66	3.6	-3.0	12.7

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/22/2005	23.46	54.812	36.33	4.44	38	47.97	22.938	8.66	3.5	-3.1	12.7
5/22/2005	23.46	54.813	36.33	4.38	37	48.01	22.966	8.65	3.5	-3.0	12.7
5/22/2005	23.63	54.845	36.35	4.43	38	48.06	23.000	8.66	3.4	-3.1	12.7
5/22/2005	23.62	54.872	36.37	4.47	38	48.10	23.032	8.66	3.4	-2.9	12.7
5/22/2005	23.61	54.891	36.39	4.48	38	48.19	23.092	8.66	3.4	-2.9	12.7
5/22/2005	23.60	54.923	36.41	4.48	38	48.26	23.137	8.66	3.4	-3.0	12.7
5/22/2005	23.61	54.946	36.43	4.40	38	48.33	23.185	8.66	3.4	-3.0	12.7
5/22/2005	23.62	54.962	36.44	4.43	38	48.39	23.228	8.65	3.4	-3.0	12.7
5/22/2005	23.63	54.965	36.44	4.33	37	48.46	23.277	8.64	3.4	-1.6	12.7
5/22/2005	23.64	54.975	36.45	4.28	37	48.53	23.323	8.64	3.4	-3.1	12.7
5/22/2005	23.66	54.997	36.47	4.25	37	48.57	23.354	8.64	3.4	-3.1	12.7
5/22/2005	23.66	54.999	36.47	4.20	37	48.62	23.388	8.63	3.4	-3.1	12.7
5/22/2005	23.68	55.000	36.47	4.22	38	48.66	23.416	8.63	3.4	-3.0	12.7
5/22/2005	23.68	55.003	36.47	4.16	37	48.71	23.450	8.62	3.4	-3.0	12.7
5/22/2005	23.70	55.007	36.47	4.11	37	48.73	23.458	8.62	3.3	-3.0	12.7
5/22/2005	23.71	55.004	36.47	4.10	37	48.74	23.471	8.62	3.4	-3.0	12.7
5/22/2005	23.69	54.995	36.46	4.10	37	48.76	23.486	8.61	3.4	-2.9	12.7
5/22/2005	23.66	54.963	36.44	3.99	37	48.76	23.480	8.60	3.4	-3.0	12.7
5/22/2005	23.52	54.841	36.35	4.21	37	48.74	23.469	8.62	3.4	-2.9	12.7
5/22/2005	23.58	54.876	36.38	4.16	37	48.73	23.466	8.62	4.3	-2.9	12.7
5/22/2005	23.56	54.882	36.38	4.14	38	48.74	23.471	8.62	8.5	-2.7	12.7
5/22/2005	23.57	54.893	36.39	4.11	37	48.74	23.469	8.62	14.0	-2.9	12.7
5/22/2005	23.49	54.820	36.34	4.46	38	48.71	23.449	8.66	24.6	-2.7	12.7
5/22/2005	23.56	54.896	36.39	4.55	38	48.69	23.436	8.68	34.2	-2.7	12.7
5/22/2005	23.75	55.055	36.51	4.53	38	48.68	23.427	8.68	34.9	-3.0	12.7
5/22/2005	23.79	55.135	36.57	4.70	38	48.66	23.412	8.70	57.9	-2.9	12.7
5/22/2005	23.80	55.176	36.60	4.77	38	48.64	23.399	8.71	55.1	-2.8	12.7
5/22/2005	23.76	55.203	36.62	5.05	39	48.63	23.390	8.75	67.3	-2.7	12.7
5/22/2005	23.71	55.199	36.62	5.16	39	48.59	23.365	8.76	94.5	-2.7	12.7
5/22/2005	23.74	55.193	36.61	5.25	39	48.58	23.356	8.77	96.7	-2.7	12.7
5/22/2005	23.79	55.193	36.61	5.51	40	48.55	23.334	8.78	112.1	-2.5	12.7
5/22/2005	23.81	55.195	36.61	5.36	39	48.50	23.303	8.81	111.6	-2.1	12.7
5/22/2005	23.83	55.199	36.61	5.16	39	48.47	23.282	8.85	124.1	-2.3	12.7
5/22/2005	23.86	55.203	36.62	5.56	39	48.43	23.256	8.85	99.7	-0.1	12.7
5/22/2005	23.88	55.208	36.62	5.47	40	48.39	23.225	8.85	129.0	2.0	12.7
5/22/2005	23.89	55.198	36.61	5.32	39	48.33	23.188	8.81	130.2	2.8	12.7
5/22/2005	23.89	55.202	36.61	5.53	39	48.27	23.142	8.83	112.1	3.1	12.7
5/22/2005	23.91	55.204	36.62	5.49	40	48.20	23.098	8.82	100.2	-2.8	12.7
5/22/2005	23.92	55.181	36.60	5.68	40	48.14	23.052	8.82	92.4	-2.8	12.7
5/22/2005	23.95	55.189	36.60	5.47	39	48.07	23.007	8.83	80.1	5.1	12.7
5/22/2005	23.94	55.177	36.60	5.23	39	48.02	22.972	8.78	67.1	-2.7	12.6
5/22/2005	23.96	55.176	36.59	5.19	39	47.95	22.928	8.78	53.7	-1.1	12.6
5/22/2005	23.95	55.177	36.60	4.98	38	47.91	22.898	8.74	40.8	24.7	12.7
5/22/2005	23.95	55.170	36.59	4.85	39	47.86	22.864	8.70	28.1	1.5	12.7
5/23/2005	23.96	55.074	36.52	4.59	38	47.83	22.841	8.68	18.8	10.4	12.7
5/23/2005	23.90	55.070	36.52	4.48	38	47.80	22.824	8.66	10.5	-0.6	12.7
5/23/2005	23.89	55.144	36.57	4.43	38	47.80	22.823	8.66	5.0	14.2	12.7
5/23/2005	23.86	55.145	36.57	4.43	37	47.81	22.827	8.66	3.6	-3.0	12.6
5/23/2005	23.85	55.163	36.59	4.46	37	47.82	22.835	8.66	3.5	-3.1	12.7
5/23/2005	23.85	55.164	36.59	4.37	37	47.85	22.853	8.65	3.5	-3.1	12.7
5/23/2005	23.83	55.149	36.58	4.32	37	47.90	22.891	8.65	3.5	-2.9	12.7
5/23/2005	23.82	55.136	36.57	4.28	38	47.95	22.923	8.64	3.4	-0.8	12.7
5/23/2005	23.81	55.108	36.55	4.24	38	48.01	22.968	8.64	3.4	-1.0	12.7
5/23/2005	23.83	55.076	36.52	4.36	37	48.08	23.018	8.64	3.4	-2.5	12.7
5/23/2005	23.78	55.050	36.50	4.36	37	48.17	23.074	8.64	3.4	1.1	12.7
5/23/2005	23.66	55.028	36.49	4.48	37	48.26	23.138	8.66	3.4	-3.0	12.7
5/23/2005	23.63	55.048	36.51	4.47	38	48.33	23.186	8.66	3.4	-3.0	12.7
5/23/2005	23.75	55.131	36.56	4.48	38	48.41	23.237	8.66	3.4	-2.2	12.7
5/23/2005	23.75	55.158	36.58	4.43	37	48.49	23.296	8.66	3.4	1.0	12.7
5/23/2005	23.75	55.180	36.60	4.45	38	48.56	23.345	8.66	3.4	-2.9	12.7
5/23/2005	23.75	55.186	36.61	4.40	38	48.62	23.384	8.65	3.4	-2.4	12.7
5/23/2005	23.75	55.173	36.60	4.28	37	48.67	23.418	8.64	3.4	-2.7	12.7
5/23/2005	23.75	55.174	36.60	4.31	38	48.70	23.443	8.64	3.4	-2.1	12.7
5/23/2005	23.75	55.172	36.60	4.29	37	48.73	23.461	8.64	3.4	-3.0	12.7
5/23/2005	23.75	55.137	36.57	4.11	37	48.76	23.482	8.62	3.4	-1.1	12.7

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 μeinst/sec* m^2	Turbidity (NTU)	Battery
5/23/2005	23.75	55.147	36.58	4.12	37	48.77	23.489	8.62	3.4	-2.3	12.7
5/23/2005	23.75	55.148	36.58	4.07	37	48.79	23.503	8.61	3.4	-1.5	12.7
5/23/2005	23.75	55.143	36.57	4.03	37	48.80	23.508	8.60	4.3	-0.4	12.7
5/23/2005	23.75	55.141	36.57	3.93	36	48.80	23.506	8.59	8.5	-0.3	12.7
5/23/2005	23.70	54.973	36.45	4.12	37	48.80	23.508	8.61	14.8	-2.8	12.7
5/23/2005	23.69	54.932	36.42	4.35	37	48.78	23.498	8.65	20.1	-2.2	12.6
5/23/2005	23.73	55.017	36.48	4.28	37	48.77	23.489	8.66	35.0	-2.7	12.7
5/23/2005	23.74	55.026	36.49	4.42	37	48.75	23.479	8.67	50.2	2.0	12.7
5/23/2005	23.76	54.939	36.42	4.75	38	48.73	23.466	8.70	58.4	-1.4	12.6
5/23/2005	23.85	54.996	36.46	4.65	38	48.71	23.446	8.73	69.3	-2.1	12.7
5/23/2005	23.92	55.059	36.51	5.05	38	48.68	23.431	8.77	86.3	-2.6	12.7
5/23/2005	23.99	55.124	36.56	4.79	39	48.64	23.401	8.71	48.2	-2.3	12.6
5/23/2005	24.12	55.278	36.67	4.92	38	48.62	23.388	8.72	109.7	2.3	12.7
5/23/2005	24.03	55.367	36.74	4.81	38	48.59	23.365	8.71	116.0	1.4	12.6
5/23/2005	24.04	55.435	36.79	5.10	39	48.56	23.345	8.75	122.3	6.9	12.7
5/23/2005	24.19	55.584	36.90	5.06	39	48.50	23.303	8.77	129.8	4.2	12.7
5/23/2005	24.22	55.674	36.96	5.04	39	48.46	23.274	8.85	120.5	2.1	12.7
5/23/2005	24.28	55.693	36.97	5.36	39	48.40	23.233	8.85	124.7	3.7	12.7
5/23/2005	24.32	55.726	37.00	5.32	40	48.34	23.190	8.81	57.2	0.8	12.7
5/23/2005	24.30	55.738	37.01	5.02	38	48.28	23.150	8.78	133.8	1.0	12.7
5/23/2005	24.27	55.739	37.01	4.91	38	48.23	23.115	8.74	88.1	-1.1	12.7
5/23/2005	24.32	55.764	37.03	5.49	39	48.16	23.067	8.84	116.5	3.4	12.6
5/23/2005	24.35	55.791	37.05	5.42	39	48.08	23.011	8.85	97.3	5.4	12.7
5/23/2005	24.36	55.809	37.06	5.03	39	48.01	22.958	8.82	79.8	-2.1	12.6
5/23/2005	24.37	55.795	37.05	4.82	38	47.93	22.906	8.77	68.3	2.8	12.7
5/23/2005	24.37	55.796	37.05	4.89	38	47.86	22.860	8.75	41.4	-0.4	12.7
5/23/2005	24.37	55.789	37.04	4.71	38	47.80	22.816	8.71	33.0	-0.7	12.7
5/24/2005	24.37	55.791	37.05	4.62	38	47.76	22.787	8.67	17.1	-0.8	12.7
5/24/2005	24.37	55.789	37.04	4.51	37	47.72	22.761	8.65	10.2	-0.7	12.7
5/24/2005	24.37	55.790	37.05	4.37	37	47.67	22.726	8.63	5.3	-1.2	12.7
5/24/2005	24.37	55.789	37.04	4.27	37	47.67	22.728	8.61	3.6	-2.4	12.7
5/24/2005	24.41	55.788	37.04	4.20	37	47.67	22.730	8.60	3.5	-2.4	12.7
5/24/2005	24.42	55.792	37.05	4.13	37	47.69	22.743	8.60	3.5	6.5	12.7
5/24/2005	24.44	55.696	36.97	4.06	37	47.72	22.764	8.60	3.5	-2.9	12.7
5/24/2005	24.45	55.665	36.95	4.03	37	47.79	22.810	8.59	3.5	-2.9	12.7
5/24/2005	24.46	55.676	36.96	3.94	37	47.84	22.846	8.58	3.5	-2.9	12.6
5/24/2005	24.45	55.685	36.97	3.91	37	47.91	22.893	8.58	3.4	-2.1	12.7
5/24/2005	24.72	55.631	36.92	4.09	37	48.00	22.958	8.61	3.5	-2.7	12.6
5/24/2005	24.78	55.684	36.96	4.11	37	48.09	23.022	8.60	3.4	-2.7	12.7
5/24/2005	25.02	55.786	37.03	4.26	37	48.19	23.089	8.63	3.5	-2.8	12.6
5/24/2005	24.98	55.798	37.04	4.15	37	48.28	23.151	8.62	3.4	-2.9	12.7
5/24/2005	24.96	55.811	37.05	4.13	37	48.38	23.217	8.61	3.4	-2.5	12.7
5/24/2005	24.96	55.800	37.04	4.07	36	48.47	23.282	8.61	3.4	-2.9	12.6
5/24/2005	24.91	55.793	37.04	4.01	36	48.57	23.350	8.60	3.4	-2.6	12.7
5/24/2005	24.92	55.783	37.03	4.05	36	48.66	23.410	8.60	3.4	-0.2	12.7
5/24/2005	24.88	55.785	37.03	3.90	36	48.71	23.448	8.58	3.4	-3.0	12.7
5/24/2005	24.89	55.790	37.03	3.91	36	48.76	23.484	8.59	3.4	-2.9	12.7
5/24/2005	24.85	55.779	37.03	3.71	36	48.82	23.521	8.57	3.4	-2.9	12.7
5/24/2005	24.82	55.780	37.03	3.87	36	48.85	23.542	8.58	3.4	-2.6	12.7
5/24/2005	24.81	55.775	37.03	3.69	36	48.88	23.565	8.56	3.4	-2.9	12.7
5/24/2005	24.83	55.771	37.02	3.67	36	48.91	23.583	8.56	4.6	-2.6	12.6
5/24/2005	24.89	55.788	37.03	3.71	36	48.93	23.601	8.57	9.7	1.2	12.6
5/24/2005	24.82	55.770	37.02	3.87	36	48.93	23.601	8.59	16.9	1.0	12.7
5/24/2005	24.81	55.766	37.02	3.88	36	48.92	23.591	8.60	26.9	-2.7	12.7
5/24/2005	24.80	55.872	37.10	3.99	37	48.91	23.583	8.61	37.5	-1.1	12.7
5/24/2005	24.14	55.640	36.94	4.32	37	48.89	23.563	8.64	49.8	-2.7	12.7
5/24/2005	24.05	55.655	36.95	4.80	38	48.87	23.552	8.67	28.5	-2.8	12.7
5/24/2005	23.87	55.623	36.93	4.75	38	48.83	23.528	8.70	75.8	-2.9	12.7
5/24/2005	23.90	55.621	36.93	5.30	39	48.82	23.517	8.75	87.2	-2.6	12.7
5/24/2005	23.96	55.593	36.91	5.13	39	48.78	23.489	8.75	99.7	-2.9	12.7
5/24/2005	23.97	55.605	36.92	5.51	39	48.75	23.467	8.77	121.0	-2.9	12.7
5/24/2005	23.86	55.587	36.90	4.94	38	48.69	23.430	8.72	111.1	-3.0	12.7
5/24/2005	23.73	55.588	36.91	4.74	38	48.66	23.405	8.70	143.4	-2.6	12.7
5/24/2005	23.71	55.601	36.92	5.06	38	48.62	23.377	8.76	140.6	-2.7	12.7
5/24/2005	23.65	55.624	36.94	4.96	38	48.56	23.333	8.76	148.6	-1.6	12.7

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/24/2005	23.69	55.637	36.94	5.17	38	48.51	23.304	8.83	162.0	-2.7	12.7
5/24/2005	23.71	55.666	36.97	5.52	39	48.44	23.257	8.87	168.4	-2.7	12.7
5/24/2005	23.72	55.677	36.97	5.28	39	48.39	23.218	8.83	151.9	-2.9	12.7
5/24/2005	23.68	55.677	36.97	5.09	39	48.31	23.164	8.80	142.9	-2.9	12.6
5/24/2005	23.68	55.688	36.98	5.35	38	48.22	23.105	8.83	133.0	-2.9	12.6
5/24/2005	23.69	55.717	37.00	5.10	39	48.14	23.047	8.81	114.0	-2.9	12.7
5/24/2005	23.70	55.715	37.00	5.03	38	48.06	22.995	8.81	96.3	-2.9	12.7
5/24/2005	23.73	55.715	37.00	5.33	39	47.98	22.939	8.85	78.0	-2.6	12.7
5/24/2005	23.77	55.729	37.01	4.79	37	47.90	22.883	8.75	59.2	-2.7	12.7
5/24/2005	23.83	55.732	37.01	4.92	37	47.81	22.818	8.76	43.1	-2.5	12.7
5/25/2005	23.89	55.721	37.00	4.65	37	47.75	22.776	8.71	27.6	-2.8	12.7
5/25/2005	23.95	55.757	37.03	4.47	38	47.69	22.742	8.68	13.7	-2.5	12.7
5/25/2005	23.90	55.718	37.00	4.41	37	47.66	22.715	8.67	5.4	-1.8	12.6
5/25/2005	23.88	55.742	37.02	4.30	37	47.61	22.685	8.66	3.6	-2.4	12.7
5/25/2005	23.88	55.741	37.02	4.24	37	47.59	22.671	8.65	3.5	-2.3	12.7
5/25/2005	23.89	55.738	37.02	4.23	37	47.59	22.672	8.65	3.5	-2.6	12.7
5/25/2005	23.90	55.725	37.01	4.08	37	47.60	22.676	8.62	3.4	-2.7	12.7
5/25/2005	23.91	55.720	37.00	4.05	37	47.62	22.692	8.63	3.4	-2.7	12.7
5/25/2005	23.91	55.721	37.00	4.09	37	47.68	22.733	8.62	3.4	-2.6	12.7
5/25/2005	23.91	55.704	36.99	3.98	36	47.76	22.785	8.62	3.4	-2.7	12.7
5/25/2005	23.91	55.704	36.99	3.96	36	47.83	22.839	8.61	3.4	-2.9	12.7
5/25/2005	23.91	55.701	36.99	3.92	36	47.90	22.885	8.60	3.4	-2.6	12.7
5/25/2005	23.91	55.698	36.99	3.96	36	48.01	22.957	8.61	3.4	-2.7	12.7
5/25/2005	23.91	55.696	36.98	3.94	37	48.10	23.022	8.61	3.4	-2.9	12.7
5/25/2005	23.91	55.696	36.98	3.88	36	48.20	23.086	8.60	3.4	-2.7	12.7
5/25/2005	23.91	55.690	36.98	3.81	36	48.30	23.156	8.58	3.4	-2.7	12.7
5/25/2005	23.91	55.691	36.98	3.93	36	48.40	23.229	8.60	3.4	15.4	12.7
5/25/2005	23.91	55.690	36.98	3.77	37	48.50	23.295	8.57	3.4	-2.5	12.6
5/25/2005	23.91	55.687	36.98	3.93	36	48.60	23.367	8.59	3.3	-2.7	12.7
5/25/2005	23.89	55.654	36.95	3.87	36	48.67	23.416	8.59	3.4	-2.6	12.6
5/25/2005	23.89	55.647	36.95	3.78	36	48.75	23.468	8.58	3.4	-2.6	12.7
5/25/2005	23.89	55.640	36.94	3.75	36	48.81	23.508	8.57	3.3	-2.6	12.7
5/25/2005	23.89	55.628	36.93	3.70	36	48.83	23.526	8.57	3.4	-2.7	12.7
5/25/2005	23.90	55.616	36.92	3.77	36	48.92	23.586	8.57	4.7	-2.7	12.6
5/25/2005	23.96	55.654	36.95	4.02	36	48.92	23.585	8.62	10.5	-2.7	12.6
5/25/2005	24.00	55.730	37.01	4.32	37	48.95	23.606	8.66	23.3	-2.7	12.7
5/25/2005	23.97	55.756	37.03	4.43	37	48.97	23.622	8.68	34.5	-2.6	12.6
5/25/2005	23.74	55.772	37.04	4.51	37	48.97	23.617	8.69	46.9	-2.7	12.7
5/25/2005	23.65	55.761	37.04	4.62	38	48.98	23.621	8.69	32.7	-2.8	12.7
5/25/2005	23.67	55.791	37.06	5.42	39	48.95	23.603	8.79	87.9	-2.4	12.6
5/25/2005	23.67	55.795	37.06	5.94	40	48.94	23.593	8.81	97.4	-2.3	12.7
5/25/2005	23.70	55.793	37.06	6.62	41	48.92	23.583	8.87	113.5	-2.7	12.6
5/25/2005	23.69	55.801	37.07	5.28	39	48.90	23.566	8.80	123.4	-2.4	12.6
5/25/2005	23.72	55.769	37.04	5.41	38	48.85	23.538	8.82	143.7	-2.7	12.6
5/25/2005	23.75	55.759	37.03	5.64	40	48.84	23.526	8.85	152.4	-2.7	12.6
5/25/2005	23.75	55.806	37.07	6.53	42	48.78	23.488	8.89	156.5	-2.5	12.7
5/25/2005	23.77	55.802	37.07	6.02	40	48.79	23.491	8.88	158.8	-2.4	12.6
5/25/2005	23.82	55.806	37.07	5.96	40	48.72	23.447	8.89	180.2	-2.7	12.6
5/25/2005	23.87	55.796	37.06	5.82	40	48.67	23.410	8.85	153.3	-2.5	12.6
5/25/2005	23.91	55.776	37.04	5.65	39	48.60	23.364	8.86	163.3	-2.5	12.6
5/25/2005	23.90	55.778	37.05	5.35	38	48.54	23.325	8.81	152.6	-2.4	12.6
5/25/2005	23.90	55.750	37.03	4.91	37	48.49	23.290	8.77	138.2	-2.7	12.6
5/25/2005	23.88	55.728	37.01	4.79	38	48.41	23.231	8.74	113.1	-2.6	12.6
5/25/2005	23.87	55.708	36.99	4.74	38	48.34	23.187	8.74	67.9	-2.6	12.6
5/25/2005	23.85	55.690	36.98	4.63	37	48.28	23.142	8.71	43.4	-2.6	12.7
5/25/2005	23.83	55.692	36.98	4.57	38	48.19	23.081	8.71	47.6	-2.5	12.7
5/25/2005	23.84	55.705	36.99	4.55	37	48.09	23.014	8.72	73.7	-2.5	12.6
5/25/2005	23.85	55.713	37.00	4.59	37	48.01	22.958	8.73	44.8	-2.6	12.6
5/26/2005	23.86	55.730	37.01	4.45	37	47.95	22.914	8.70	27.5	-2.6	12.6
5/26/2005	23.87	55.755	37.03	4.38	37	47.87	22.865	8.69	13.9	-2.6	12.7
5/26/2005	23.88	55.753	37.03	4.25	37	47.79	22.810	8.66	5.7	-2.7	12.6
5/26/2005	23.88	55.747	37.02	4.13	37	47.74	22.773	8.65	3.6	-2.3	12.6
5/26/2005	23.88	55.748	37.02	4.12	37	47.72	22.757	8.65	3.5	-2.1	12.6
5/26/2005	23.89	55.729	37.01	3.99	36	47.69	22.737	8.63	3.5	-2.2	12.6
5/26/2005	23.90	55.728	37.01	3.97	37	47.67	22.722	8.62	3.4	-2.2	12.6

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/26/2005	23.90	55.732	37.01	3.93	36	47.67	22.723	8.62	3.4	-1.9	12.7
5/26/2005	23.91	55.730	37.01	3.81	36	47.68	22.735	8.61	3.4	-2.6	12.6
5/26/2005	23.91	55.727	37.01	3.78	37	47.72	22.757	8.61	3.4	-2.4	12.5
5/26/2005	23.92	55.724	37.01	3.75	36	47.75	22.778	8.60	3.4	-2.6	12.6
5/26/2005	23.92	55.724	37.01	3.73	36	47.81	22.822	8.60	3.4	-2.6	12.6
5/26/2005	23.93	55.722	37.00	3.66	35	47.89	22.876	8.59	3.4	-2.6	12.6
5/26/2005	23.93	55.723	37.00	3.68	36	47.96	22.923	8.59	3.4	-2.1	12.6
5/26/2005	23.93	55.723	37.00	3.68	36	48.06	22.996	8.59	3.4	-1.8	12.6
5/26/2005	23.93	55.724	37.01	3.75	36	48.14	23.049	8.58	3.4	-2.7	12.6
5/26/2005	23.94	55.720	37.00	3.57	36	48.25	23.125	8.57	3.3	-1.3	12.6
5/26/2005	23.95	55.720	37.00	3.67	35	48.34	23.188	8.59	3.3	-2.4	12.6
5/26/2005	24.03	55.721	37.00	3.68	36	48.43	23.250	8.60	3.3	-1.6	12.6
5/26/2005	24.07	55.709	36.99	3.61	36	48.53	23.318	8.56	3.4	-2.1	12.6
5/26/2005	24.09	55.709	36.99	3.72	36	48.62	23.383	8.61	3.4	-1.4	12.6
5/26/2005	24.12	55.706	36.99	3.44	35	48.69	23.428	8.55	3.4	-2.3	12.6
5/26/2005	24.12	55.708	36.99	3.41	35	48.76	23.479	8.55	3.4	-1.8	12.6
5/26/2005	24.11	55.707	36.99	3.43	35	48.82	23.518	8.55	4.7	-1.8	12.6
5/26/2005	24.12	55.708	36.99	3.50	35	48.88	23.555	8.56	10.6	-2.9	12.6
5/26/2005	24.13	55.709	36.99	3.73	36	48.92	23.583	8.59	20.4	-2.3	12.5
5/26/2005	24.15	55.714	36.99	3.96	36	48.95	23.607	8.62	32.3	-0.9	12.6
5/26/2005	24.17	55.708	36.99	4.07	36	48.96	23.614	8.64	48.6	0.0	12.6
5/26/2005	24.18	55.706	36.99	4.22	37	48.96	23.615	8.67	60.6	-2.7	12.6
5/26/2005	24.22	55.717	36.99	4.22	36	48.98	23.627	8.64	71.2	0.3	12.5
5/26/2005	24.25	55.704	36.98	5.16	39	48.97	23.620	8.72	87.5	-2.6	12.5
5/26/2005	24.28	55.707	36.99	5.70	40	48.94	23.601	8.76	97.5	-1.2	12.5
5/26/2005	24.33	55.707	36.98	6.00	40	48.95	23.605	8.78	110.1	-2.1	12.5
5/26/2005	24.34	55.697	36.98	5.12	39	48.92	23.586	8.76	124.3	-2.0	12.5
5/26/2005	24.37	55.708	36.98	5.66	39	48.89	23.566	8.77	123.6	-2.2	12.6
5/26/2005	24.43	55.743	37.01	6.53	41	48.85	23.540	8.84	134.0	-2.4	12.6
5/26/2005	24.25	55.712	36.99	4.69	37	48.82	23.518	8.74	144.8	-2.6	12.5
5/26/2005	24.17	55.725	37.00	4.85	38	48.78	23.490	8.75	145.6	-2.6	12.5
5/26/2005	24.19	55.775	37.04	5.10	39	48.76	23.475	8.83	145.2	-1.1	12.6
5/26/2005	24.21	55.783	37.04	5.65	39	48.70	23.435	8.88	143.2	-2.7	12.6
5/26/2005	24.20	55.814	37.07	5.29	39	48.64	23.396	8.83	143.0	-2.7	12.5
5/26/2005	24.20	55.797	37.05	4.92	38	48.60	23.366	8.76	78.4	-2.7	12.5
5/26/2005	24.24	55.713	36.99	6.54	41	48.54	23.328	8.93	119.9	-2.6	12.6
5/26/2005	24.18	55.668	36.96	6.23	40	48.48	23.285	8.86	105.7	-2.2	12.6
5/26/2005	24.19	55.754	37.02	5.13	39	48.41	23.233	8.85	83.5	-2.6	12.6
5/26/2005	24.17	55.639	36.94	4.62	38	48.33	23.181	8.76	68.3	-1.6	12.6
5/26/2005	24.17	55.734	37.01	4.64	37	48.26	23.133	8.75	50.7	-1.5	12.5
5/26/2005	24.17	55.723	37.00	4.61	37	48.17	23.072	8.73	35.3	-1.6	12.5
5/27/2005	24.14	55.727	37.00	4.35	37	48.09	23.018	8.68	19.0	0.0	12.5
5/27/2005	24.09	55.725	37.00	4.25	37	48.00	22.956	8.66	8.1	0.3	12.5
5/27/2005	24.04	55.710	36.99	4.09	36	47.94	22.913	8.64	5.1	-0.5	12.6
5/27/2005	24.02	55.695	36.98	4.08	36	47.90	22.881	8.64	3.6	-1.0	12.6
5/27/2005	24.04	55.695	36.98	3.95	36	47.83	22.835	8.63	3.5	5.6	12.6
5/27/2005	24.07	55.693	36.98	3.95	36	47.77	22.793	8.63	3.5	0.9	12.5
5/27/2005	24.07	55.683	36.97	3.94	36	47.75	22.778	8.63	3.5	2.0	12.5
5/27/2005	24.11	55.680	36.97	3.79	36	47.72	22.760	8.61	3.4	-0.8	12.5
5/27/2005	24.11	55.677	36.97	3.80	36	47.71	22.752	8.62	3.4	1.0	12.6
5/27/2005	24.08	55.677	36.97	3.83	36	47.71	22.751	8.61	3.4	3.7	12.6
5/27/2005	24.11	55.672	36.96	3.75	36	47.73	22.768	8.61	3.4	5.5	12.6
5/27/2005	24.12	55.659	36.95	3.82	37	47.77	22.793	8.61	3.4	8.2	12.6
5/27/2005	24.14	55.658	36.95	3.64	36	47.78	22.803	8.60	3.4	0.9	12.6
5/27/2005	24.15	55.649	36.94	3.69	35	47.85	22.852	8.59	3.4	-1.9	12.4
5/27/2005	24.17	55.637	36.93	3.58	35	47.90	22.885	8.58	3.4	24.9	12.6
5/27/2005	24.19	55.617	36.92	3.68	35	47.99	22.949	8.61	3.4	0.1	12.6
5/27/2005	24.21	55.597	36.90	3.44	35	48.07	23.004	8.58	3.4	-0.2	12.6
5/27/2005	24.21	55.602	36.91	3.51	35	48.18	23.080	8.58	3.4	5.3	12.6
5/27/2005	24.23	55.584	36.89	3.49	35	48.27	23.141	8.58	3.4	2.9	12.6
5/27/2005	24.24	55.580	36.89	3.34	35	48.37	23.209	8.56	3.4	-1.9	12.6
5/27/2005	24.26	55.570	36.88	3.37	35	48.46	23.276	8.56	3.4	-1.8	12.5
5/27/2005	24.26	55.565	36.88	3.35	35	48.56	23.343	8.56	3.4	-1.5	12.5
5/27/2005	24.26	55.567	36.88	3.30	35	48.65	23.407	8.56	3.4	3.9	12.4
5/27/2005	24.28	55.554	36.87	3.32	35	48.74	23.466	8.55	4.5	-1.2	12.5

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/27/2005	24.29	55.553	36.87	3.35	35	48.77	23.484	8.56	10.1	7.3	12.6
5/27/2005	24.29	55.550	36.87	3.46	35	48.84	23.533	8.58	15.9	4.5	12.4
5/27/2005	24.36	55.440	36.78	3.87	36	48.91	23.583	8.64	29.1	2.1	12.6
5/27/2005	24.36	55.498	36.83	4.15	37	48.94	23.604	8.68	40.8	10.2	12.4
5/27/2005	24.36	55.586	36.89	4.20	37	48.96	23.619	8.67	44.0	1.9	12.6
5/27/2005	24.37	55.614	36.91	5.14	39	48.99	23.635	8.73	66.2	-1.2	12.6
5/27/2005	24.36	55.625	36.92	5.63	40	48.99	23.638	8.74	83.7	-0.3	12.6
5/27/2005	24.38	55.622	36.92	5.78	40	48.99	23.638	8.80	97.5	-1.4	12.6
5/27/2005	24.40	55.630	36.92	5.96	40	48.97	23.626	8.82	110.8	0.6	12.6
5/27/2005	24.40	55.635	36.93	5.38	39	48.96	23.620	8.76	119.1	0.1	12.4
5/27/2005	24.44	55.634	36.93	6.59	40	48.94	23.602	8.82	132.4	1.4	12.6
5/27/2005	24.44	55.629	36.92	6.04	40	48.90	23.579	8.81	130.5	-1.3	12.6
5/27/2005	24.44	55.645	36.94	5.34	39	48.89	23.571	8.80	135.1	3.6	12.6
5/27/2005	24.35	55.627	36.92	4.78	38	48.85	23.539	8.77	132.5	0.9	12.6
5/27/2005	24.29	55.636	36.93	5.88	40	48.83	23.524	8.82	135.9	1.7	12.4
5/27/2005	24.33	55.631	36.93	5.90	40	48.78	23.490	8.87	132.6	-1.1	12.6
5/27/2005	24.30	55.643	36.94	4.83	38	48.74	23.466	8.77	126.3	8.3	12.4
5/27/2005	24.33	55.675	36.96	6.09	41	48.71	23.441	8.86	117.0	4.9	12.4
5/27/2005	24.35	55.635	36.93	6.23	41	48.66	23.410	8.87	106.2	-1.0	12.4
5/27/2005	24.36	55.648	36.94	6.07	40	48.60	23.367	8.91	93.1	1.7	12.6
5/27/2005	24.37	55.625	36.92	5.58	39	48.55	23.333	8.83	80.4	-0.2	12.6
5/27/2005	24.37	55.616	36.92	4.83	37	48.49	23.293	8.76	66.1	-0.5	12.5
5/27/2005	24.38	55.617	36.92	5.16	39	48.41	23.238	8.80	51.1	-0.6	12.4
5/27/2005	24.38	55.618	36.92	4.79	37	48.34	23.188	8.73	36.1	23.3	12.5
5/28/2005	24.38	55.606	36.91	4.53	37	48.27	23.140	8.68	22.4	18.3	12.5
5/28/2005	24.39	55.603	36.91	4.38	37	48.21	23.098	8.66	12.0	-0.2	12.6
5/28/2005	24.39	55.598	36.90	4.19	37	48.13	23.047	8.63	5.6	4.0	12.4
5/28/2005	24.39	55.598	36.90	4.23	36	48.06	23.001	8.64	3.7	0.4	12.4
5/28/2005	24.40	55.588	36.89	4.02	36	47.98	22.945	8.63	3.6	3.2	12.5
5/28/2005	24.41	55.586	36.89	4.08	37	47.92	22.904	8.63	3.5	4.2	12.6
5/28/2005	24.41	55.581	36.89	3.87	36	47.88	22.873	8.61	3.5	18.1	12.6
5/28/2005	24.41	55.581	36.89	3.85	36	47.83	22.843	8.60	3.5	24.2	12.5
5/28/2005	24.41	55.581	36.89	3.75	36	47.80	22.821	8.59	3.5	3.2	12.4
5/28/2005	24.44	55.573	36.88	3.76	35	47.78	22.807	8.59	3.4	21.2	12.5
5/28/2005	24.43	55.494	36.82	3.51	36	47.77	22.801	8.57	3.4	14.4	12.6
5/28/2005	24.45	55.555	36.87	3.64	36	47.76	22.795	8.58	3.4	-0.6	12.4
5/28/2005	24.45	55.567	36.88	3.56	35	47.77	22.799	8.57	3.4	-0.8	12.4
5/28/2005	24.46	55.562	36.87	3.63	36	47.81	22.825	8.58	3.4	-0.2	12.6
5/28/2005	24.46	55.560	36.87	3.41	35	47.84	22.847	8.54	3.4	-0.7	12.4
5/28/2005	24.46	55.561	36.87	3.43	35	47.88	22.872	8.55	3.4	-0.5	12.4
5/28/2005	24.47	55.557	36.87	3.30	36	47.94	22.919	8.53	3.4	14.3	12.5
5/28/2005	24.48	55.558	36.87	3.47	35	48.00	22.960	8.57	3.4	-0.6	12.4
5/28/2005	24.51	55.553	36.87	3.32	35	48.07	23.009	8.54	3.4	-0.4	12.4
5/28/2005	24.54	55.552	36.86	3.37	36	48.16	23.066	8.55	3.4	7.2	12.4
5/28/2005	24.60	55.552	36.86	3.27	35	48.25	23.131	8.56	3.4	9.2	12.4
5/28/2005	24.67	55.540	36.85	3.41	35	48.32	23.182	8.55	3.4	6.4	12.5
5/28/2005	24.67	55.542	36.85	3.28	35	48.44	23.264	8.56	3.4	11.8	12.4
5/28/2005	24.68	55.536	36.85	3.15	35	48.53	23.321	8.53	4.5	-0.4	12.5
5/28/2005	24.69	55.537	36.85	3.27	35	48.59	23.368	8.55	9.2	25.6	12.6
5/28/2005	24.69	55.538	36.85	3.49	35	48.67	23.419	8.57	17.0	28.9	12.4
5/28/2005	24.70	55.274	36.65	3.65	35	48.73	23.469	8.58	25.7	0.9	12.4
5/28/2005	24.71	55.451	36.78	3.79	36	48.78	23.499	8.61	36.8	19.1	12.4
5/28/2005	24.72	55.273	36.65	4.19	37	48.82	23.530	8.62	32.8	17.5	12.5
5/28/2005	24.73	55.231	36.62	4.11	37	48.86	23.555	8.63	38.4	18.0	12.6
5/28/2005	24.78	55.302	36.67	5.22	39	48.87	23.564	8.70	75.6	1.2	12.5
5/28/2005	24.68	55.334	36.70	4.88	38	48.87	23.561	8.68	58.5	9.4	12.6
5/28/2005	24.62	55.582	36.88	4.67	38	48.88	23.564	8.70	72.8	0.7	12.4
5/28/2005	24.56	55.594	36.89	5.88	40	48.89	23.570	8.79	109.0	10.3	12.4
5/28/2005	24.53	55.614	36.91	6.93	42	48.89	23.569	8.78	121.9	8.4	12.4
5/28/2005	24.55	55.519	36.84	6.67	41	48.89	23.570	8.77	120.7	7.6	12.5
5/28/2005	24.44	55.563	36.87	5.15	38	48.86	23.550	8.83	124.3	12.6	12.5
5/28/2005	24.43	55.575	36.88	5.34	39	48.84	23.534	8.82	126.6	0.4	12.4
5/28/2005	24.45	55.586	36.89	5.16	38	48.80	23.511	8.82	121.0	23.0	12.4
5/28/2005	24.47	55.589	36.89	5.52	39	48.78	23.497	8.87	122.2	28.9	12.5
5/28/2005	24.50	55.598	36.90	5.87	40	48.76	23.481	8.84	121.4	26.2	12.4

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/28/2005	24.53	55.486	36.82	5.69	40	48.75	23.473	8.82	66.5	13.3	12.4
5/28/2005	24.50	55.581	36.89	5.31	39	48.70	23.439	8.81	68.7	15.9	12.4
5/28/2005	24.51	55.578	36.88	5.41	39	48.67	23.417	8.78	56.7	21.7	12.3
5/28/2005	24.53	55.584	36.89	4.87	38	48.65	23.403	8.72	34.3	40.3	12.5
5/28/2005	24.52	55.573	36.88	4.47	38	48.60	23.373	8.70	27.1	0.9	12.4
5/28/2005	24.53	55.576	36.88	4.42	37	48.56	23.344	8.69	24.1	24.2	12.5
5/28/2005	24.54	55.575	36.88	4.63	38	48.52	23.319	8.72	38.9	2.1	12.5
5/29/2005	24.54	55.578	36.88	4.35	37	48.45	23.265	8.69	19.5	-0.7	12.5
5/29/2005	24.54	55.575	36.88	4.22	37	48.40	23.233	8.66	10.6	0.3	12.5
5/29/2005	24.55	55.573	36.88	4.04	36	48.35	23.201	8.64	5.3	8.9	12.4
5/29/2005	24.55	55.447	36.79	3.93	36	48.29	23.162	8.63	3.7	0.7	12.4
5/29/2005	24.56	55.443	36.78	3.88	36	48.25	23.131	8.62	3.6	10.2	12.4
5/29/2005	24.56	55.406	36.75	3.79	36	48.19	23.094	8.62	3.5	4.4	12.4
5/29/2005	24.58	55.563	36.87	3.73	36	48.15	23.059	8.61	3.5	0.0	12.4
5/29/2005	24.59	55.566	36.87	3.60	35	48.10	23.031	8.60	3.5	0.7	12.5
5/29/2005	24.59	55.565	36.87	3.54	35	48.05	22.992	8.59	3.5	0.1	12.5
5/29/2005	24.59	55.564	36.87	3.43	35	48.01	22.964	8.58	3.5	0.0	12.4
5/29/2005	24.61	55.548	36.86	3.40	35	47.97	22.940	8.58	3.5	-0.4	12.4
5/29/2005	24.61	55.541	36.85	3.57	35	47.95	22.926	8.60	3.4	-0.1	12.4
5/29/2005	24.60	55.521	36.84	3.38	35	47.93	22.914	8.58	3.4	-0.2	12.5
5/29/2005	24.60	55.510	36.83	3.33	35	47.90	22.889	8.59	3.4	-0.2	12.5
5/29/2005	24.58	55.491	36.82	3.45	35	47.91	22.901	8.60	3.4	0.3	12.4
5/29/2005	24.58	55.485	36.81	3.35	35	47.92	22.907	8.60	3.4	-0.2	12.5
5/29/2005	24.60	55.484	36.81	3.40	35	47.96	22.935	8.59	3.4	-0.1	12.4
5/29/2005	24.60	55.481	36.81	3.38	35	47.99	22.955	8.59	3.4	-0.3	12.4
5/29/2005	24.64	55.466	36.80	3.17	35	48.05	22.992	8.57	3.4	-0.5	12.4
5/29/2005	24.63	55.463	36.80	3.25	35	48.09	23.021	8.57	3.4	-0.2	12.4
5/29/2005	24.63	55.463	36.80	3.18	35	48.17	23.081	8.57	3.4	-0.8	12.4
5/29/2005	24.63	55.453	36.79	3.23	35	48.26	23.139	8.57	3.4	0.1	12.4
5/29/2005	24.63	55.380	36.73	3.38	35	48.34	23.193	8.59	3.4	0.6	12.4
5/29/2005	24.62	55.355	36.71	3.28	35	48.40	23.237	8.58	4.5	-0.6	12.4
5/29/2005	24.63	55.334	36.70	3.44	36	48.47	23.285	8.61	8.1	-0.5	12.4
5/29/2005	24.60	55.338	36.70	3.49	35	48.57	23.356	8.61	10.4	-0.4	12.4
5/29/2005	24.60	55.358	36.72	3.87	36	48.64	23.402	8.65	23.2	-0.2	12.4
5/29/2005	24.61	55.359	36.72	4.08	36	48.66	23.416	8.67	40.2	-0.7	12.4
5/29/2005	24.65	55.335	36.70	3.78	36	48.72	23.458	8.64	36.3	-0.2	12.4
5/29/2005	24.68	55.316	36.68	3.85	37	48.77	23.490	8.64	53.9	1.1	12.4
5/29/2005	24.69	55.306	36.68	4.16	37	48.79	23.505	8.64	49.2	1.0	12.4
5/29/2005	24.72	55.317	36.68	5.26	38	48.80	23.512	8.72	80.0	1.2	12.4
5/29/2005	24.73	55.315	36.68	4.67	37	48.81	23.523	8.68	47.8	-0.3	12.4
5/29/2005	24.76	55.315	36.68	4.22	37	48.82	23.524	8.67	83.7	0.2	12.4
5/29/2005	24.69	55.360	36.72	5.54	39	48.80	23.513	8.70	101.2	0.7	12.4
5/29/2005	24.62	55.376	36.73	4.81	38	48.78	23.498	8.71	101.7	-0.8	12.4
5/29/2005	24.58	55.414	36.76	5.14	39	48.75	23.478	8.76	119.1	0.6	12.4
5/29/2005	24.57	55.408	36.76	4.45	38	48.74	23.469	8.72	73.6	0.7	12.4
5/29/2005	24.53	55.416	36.76	5.17	39	48.72	23.457	8.76	57.2	-0.8	12.4
5/29/2005	24.55	55.414	36.76	5.17	39	48.69	23.432	8.81	119.2	0.1	12.4
5/29/2005	24.53	55.403	36.75	5.46	39	48.69	23.434	8.80	107.8	2.2	12.5
5/29/2005	24.55	55.329	36.70	5.32	39	48.70	23.442	8.78	96.1	0.9	12.4
5/29/2005	24.54	55.416	36.76	5.02	38	48.63	23.394	8.79	89.8	0.6	12.4
5/29/2005	24.59	55.415	36.76	5.10	39	48.58	23.357	8.79	76.2	-0.1	12.4
5/29/2005	24.58	55.422	36.77	4.74	38	48.57	23.354	8.76	66.2	-0.5	12.4
5/29/2005	24.58	55.428	36.77	4.56	37	48.54	23.336	8.72	31.2	1.3	12.4
5/29/2005	24.59	55.423	36.77	4.50	37	48.52	23.317	8.73	39.7	-0.5	12.4
5/29/2005	24.59	55.425	36.77	4.33	37	48.49	23.296	8.70	28.1	-0.8	12.4
5/30/2005	24.59	55.422	36.77	4.25	37	48.50	23.307	8.69	18.3	-0.3	12.4
5/30/2005	24.58	55.423	36.77	4.20	37	48.47	23.285	8.68	10.3	-0.1	12.4
5/30/2005	24.59	55.422	36.77	4.07	36	48.48	23.288	8.67	4.9	1.4	12.4
5/30/2005	24.59	55.422	36.77	4.03	36	48.42	23.251	8.67	3.6	2.1	12.3
5/30/2005	24.60	55.419	36.76	3.99	36	48.38	23.223	8.67	3.6	-0.8	12.4
5/30/2005	24.60	55.420	36.76	3.92	36	48.37	23.215	8.66	3.5	-0.8	12.3
5/30/2005	24.59	55.423	36.77	3.83	36	48.32	23.182	8.65	3.5	-1.0	12.4
5/30/2005	24.59	55.392	36.74	3.90	36	48.29	23.165	8.66	3.5	-1.6	12.4
5/30/2005	24.59	55.421	36.76	3.85	36	48.25	23.133	8.65	3.5	-0.4	12.4
5/30/2005	24.59	55.422	36.77	3.81	36	48.23	23.116	8.65	3.4	-1.4	12.4

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/30/2005	24.59	55.420	36.76	3.77	36	48.17	23.079	8.64	3.4	-1.2	12.3
5/30/2005	24.60	55.421	36.76	3.70	35	48.14	23.059	8.64	3.4	-0.5	12.4
5/30/2005	24.63	55.420	36.76	3.60	36	48.09	23.022	8.63	3.4	0.6	12.4
5/30/2005	24.66	55.196	36.60	3.53	36	48.06	23.005	8.62	3.5	15.9	12.4
5/30/2005	24.65	55.107	36.53	3.46	35	48.07	23.012	8.61	3.4	-0.4	12.3
5/30/2005	24.65	55.116	36.54	3.52	36	48.08	23.021	8.62	3.4	-1.5	12.4
5/30/2005	24.71	55.405	36.75	3.28	35	48.11	23.035	8.59	3.4	0.5	12.4
5/30/2005	24.72	55.391	36.74	3.37	35	48.11	23.041	8.60	3.4	-1.2	12.4
5/30/2005	24.71	55.393	36.74	3.24	35	48.16	23.069	8.59	3.4	-1.6	12.4
5/30/2005	24.74	55.359	36.72	2.99	35	48.17	23.082	8.57	3.4	-1.3	12.3
5/30/2005	24.75	55.335	36.70	3.10	33	48.17	23.079	8.57	3.4	-1.9	12.4
5/30/2005	24.77	55.301	36.67	3.05	35	48.19	23.093	8.57	3.4	-1.8	12.4
5/30/2005	24.81	55.217	36.61	3.08	35	48.25	23.140	8.57	3.4	2.7	12.4
5/30/2005	24.81	55.197	36.59	3.02	35	48.34	23.200	8.57	3.4	15.9	12.3
5/30/2005	24.82	55.162	36.57	3.04	35	48.39	23.232	8.57	4.1	-0.8	12.4
5/30/2005	24.82	55.152	36.56	3.08	35	48.46	23.279	8.57	5.5	0.4	12.4
5/30/2005	24.85	55.225	36.61	3.42	35	48.52	23.325	8.62	10.4	0.0	12.4
5/30/2005	24.71	55.362	36.72	3.85	36	48.59	23.371	8.67	17.1	1.2	12.4
5/30/2005	24.66	55.381	36.73	4.04	37	48.65	23.408	8.69	24.8	4.0	12.4
5/30/2005	24.56	55.388	36.74	4.13	36	48.67	23.423	8.69	28.6	7.8	12.4
5/30/2005	24.50	55.382	36.74	4.12	36	48.70	23.439	8.69	24.0	4.0	12.4
5/30/2005	24.43	55.364	36.73	4.18	37	48.70	23.444	8.70	33.3	11.7	12.3
5/30/2005	24.37	55.004	36.46	4.17	36	48.76	23.484	8.70	32.7	-0.7	12.3
5/30/2005	24.34	55.342	36.71	4.15	36	48.68	23.428	8.69	23.2	11.5	12.4
5/30/2005	24.34	55.334	36.70	4.31	36	48.70	23.442	8.71	46.6	2.1	12.4
5/30/2005	24.35	55.327	36.70	4.64	37	48.73	23.461	8.72	85.6	8.9	12.3
5/30/2005	24.35	55.323	36.70	4.46	37	48.70	23.439	8.73	89.2	0.3	12.4
5/30/2005	24.36	55.320	36.69	4.46	38	48.68	23.426	8.73	90.4	16.5	12.4
5/30/2005	24.41	55.326	36.70	4.51	37	48.66	23.417	8.74	94.6	11.1	12.4
5/30/2005	24.44	55.328	36.70	4.50	37	48.64	23.401	8.73	59.8	13.3	12.4
5/30/2005	24.50	55.332	36.70	4.65	37	48.63	23.393	8.74	78.3	4.6	12.3
5/30/2005	24.54	55.336	36.70	4.56	37	48.59	23.371	8.74	70.0	1.1	12.4
5/30/2005	24.55	55.338	36.70	4.67	38	48.56	23.348	8.74	63.4	5.4	12.3
5/30/2005	24.57	55.337	36.70	4.78	38	48.59	23.369	8.76	65.0	1.2	12.3
5/30/2005	24.58	55.328	36.70	4.58	37	48.56	23.350	8.73	39.5	-0.5	12.3
5/30/2005	24.59	55.338	36.70	4.56	38	48.54	23.334	8.73	36.0	2.9	12.3
5/30/2005	24.61	55.336	36.70	4.50	37	48.57	23.354	8.72	27.9	0.8	12.4
5/30/2005	24.62	54.430	36.02	4.42	37	48.50	23.321	8.71	14.6	0.7	12.3
5/31/2005	24.62	55.340	36.70	4.32	37	48.50	23.305	8.70	10.4	0.0	12.3
5/31/2005	24.63	55.340	36.70	4.25	37	48.48	23.293	8.70	7.5	1.1	12.3
5/31/2005	24.66	55.343	36.70	4.17	37	48.48	23.294	8.69	4.5	-0.8	12.3
5/31/2005	24.66	55.346	36.71	4.03	36	48.47	23.282	8.68	3.6	1.5	12.3
5/31/2005	24.68	55.347	36.71	4.02	36	48.49	23.302	8.68	3.5	7.5	12.3
5/31/2005	24.71	55.349	36.71	3.95	36	48.46	23.276	8.67	3.5	-1.1	12.4
5/31/2005	24.75	55.284	36.66	3.89	36	48.48	23.291	8.67	3.5	0.3	12.4
5/31/2005	24.75	55.229	36.62	3.84	36	48.42	23.255	8.66	3.5	-0.5	12.4
5/31/2005	24.76	55.252	36.63	3.78	37	48.42	23.250	8.66	3.5	-0.4	12.4
5/31/2005	24.81	55.302	36.67	3.73	36	48.36	23.209	8.65	3.4	3.7	12.3
5/31/2005	24.81	55.115	36.53	3.60	35	48.37	23.220	8.64	3.4	9.0	12.3
5/31/2005	24.83	55.340	36.70	3.52	35	48.36	23.213	8.63	3.4	3.6	12.4
5/31/2005	24.90	55.338	36.70	3.43	35	48.34	23.199	8.63	3.4	0.5	12.4
5/31/2005	24.93	55.342	36.70	3.42	35	48.30	23.174	8.63	3.4	-1.3	12.4
5/31/2005	24.99	55.344	36.70	3.58	36	48.27	23.149	8.66	3.4	-1.3	12.4
5/31/2005	24.94	55.349	36.70	3.58	36	48.27	23.148	8.66	3.4	1.5	12.3
5/31/2005	24.90	55.357	36.71	3.50	35	48.26	23.146	8.65	3.4	0.8	12.4
5/31/2005	24.81	55.367	36.72	3.56	35	48.24	23.128	8.65	3.4	-0.5	12.4
5/31/2005	24.71	55.371	36.72	3.62	35	48.22	23.114	8.67	3.4	3.1	12.4
5/31/2005	24.74	55.366	36.72	3.55	35	48.24	23.129	8.66	3.4	3.8	12.3
5/31/2005	24.79	55.368	36.72	3.53	36	48.25	23.138	8.66	3.4	-0.5	12.4
5/31/2005	24.84	55.360	36.71	3.44	36	48.25	23.133	8.65	3.4	0.4	12.3
5/31/2005	24.89	55.359	36.71	3.36	35	48.31	23.175	8.64	3.4	-1.2	12.3
5/31/2005	24.91	55.359	36.71	3.28	35	48.35	23.203	8.63	4.2	-1.1	12.4
5/31/2005	24.94	55.349	36.70	3.29	35	48.40	23.237	8.62	6.8	-1.3	12.4
5/31/2005	24.97	55.346	36.70	3.36	36	48.44	23.266	8.62	12.2	1.2	12.3
5/31/2005	24.97	55.346	36.70	3.50	36	48.45	23.271	8.62	24.1	1.1	12.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
5/31/2005	24.99	53.857	35.59	3.42	35	48.51	23.336	8.61	13.8	-1.3	12.4
5/31/2005	25.01	55.350	36.70	3.86	36	48.51	23.314	8.62	36.5	-1.3	12.4
5/31/2005	25.03	55.354	36.70	4.10	36	48.58	23.363	8.63	46.5	-1.5	12.3
5/31/2005	25.07	54.951	36.40	4.68	38	48.59	23.377	8.63	54.4	-1.9	12.4
5/31/2005	25.11	55.327	36.68	5.13	38	48.61	23.388	8.65	63.1	-1.7	12.3
5/31/2005	25.05	55.320	36.68	4.70	38	48.64	23.408	8.66	68.5	7.1	12.3
5/31/2005	25.09	55.312	36.67	5.44	39	48.61	23.387	8.66	75.4	3.8	12.3
5/31/2005	25.07	55.323	36.68	4.23	37	48.60	23.377	8.64	27.0	-1.4	12.3
5/31/2005	25.07	55.324	36.68	4.18	37	48.61	23.388	8.64	26.7	-0.2	12.3
5/31/2005	25.07	55.319	36.68	3.79	36	48.57	23.360	8.62	10.6	0.1	12.3
5/31/2005	25.09	55.319	36.68	4.54	37	48.56	23.350	8.67	99.9	0.3	12.3
5/31/2005	25.11	55.314	36.67	4.52	37	48.52	23.324	8.67	85.2	1.3	12.3
5/31/2005	25.09	55.300	36.66	4.20	37	48.51	23.316	8.65	34.9	0.5	12.3
5/31/2005	25.10	55.286	36.65	4.68	37	48.46	23.284	8.69	76.0	2.0	12.4
5/31/2005	25.11	55.282	36.65	4.59	37	48.49	23.303	8.68	71.8	-1.5	12.4
5/31/2005	25.11	55.264	36.64	4.50	37	48.43	23.265	8.69	64.1	-1.1	12.4
5/31/2005	25.12	55.280	36.65	4.52	38	48.40	23.239	8.70	57.4	-0.1	12.3
5/31/2005	25.12	55.267	36.64	4.33	37	48.40	23.240	8.69	49.9	29.2	12.3
5/31/2005	25.05	55.245	36.62	4.41	37	48.38	23.226	8.70	40.5	-1.3	12.3
5/31/2005	25.06	55.250	36.63	4.30	36	48.37	23.223	8.69	31.3	-1.5	12.3
5/31/2005	25.02	55.255	36.63	4.23	36	48.39	23.233	8.68	23.1	0.8	12.3
6/1/2005	25.02	55.238	36.62	4.07	37	48.40	23.241	8.67	15.9	-1.4	12.3
6/1/2005	25.03	55.212	36.60	3.97	36	48.39	23.235	8.66	9.5	10.9	12.3
6/1/2005	25.05	55.204	36.59	3.87	36	48.41	23.251	8.66	5.1	5.5	12.3
6/1/2005	25.04	55.206	36.59	3.76	36	48.45	23.273	8.65	3.6	1.5	12.3
6/1/2005	25.05	55.209	36.60	3.68	35	48.46	23.284	8.64	3.6	-0.8	12.4
6/1/2005	25.06	55.186	36.58	3.57	35	48.47	23.292	8.64	3.5	0.1	12.4
6/1/2005	25.06	55.188	36.58	3.57	35	48.50	23.311	8.64	3.5	30.9	12.3
6/1/2005	25.07	55.178	36.57	3.47	35	48.51	23.319	8.63	3.5	23.8	12.3
6/1/2005	25.07	55.176	36.57	3.50	36	48.53	23.329	8.63	3.5	28.8	12.3
6/1/2005	25.07	55.176	36.57	3.43	35	48.51	23.318	8.63	3.4	36.6	12.3
6/1/2005	24.92	55.199	36.59	3.31	35	48.53	23.330	8.62	3.4	25.5	12.3
6/1/2005	24.83	55.224	36.61	3.40	35	48.51	23.314	8.62	3.4	66.5	12.4
6/1/2005	24.86	55.219	36.61	3.33	35	48.48	23.299	8.62	3.4	13.7	12.3
6/1/2005	24.89	55.221	36.61	3.20	35	48.49	23.300	8.61	3.4	-1.4	12.3
6/1/2005	24.90	55.222	36.61	3.11	35	48.47	23.287	8.60	3.4	11.4	12.3
6/1/2005	24.92	55.215	36.60	3.12	35	48.46	23.284	8.60	3.4	13.8	12.3
6/1/2005	24.91	55.222	36.61	3.07	33	48.43	23.263	8.60	3.4	27.9	12.3
6/1/2005	24.92	55.217	36.60	3.05	33	48.40	23.244	8.59	3.4	31.4	12.3
6/1/2005	24.87	55.231	36.62	3.03	35	48.43	23.258	8.60	3.4	27.8	12.3
6/1/2005	24.74	55.269	36.65	3.06	33	48.42	23.249	8.60	3.4	66.7	12.3
6/1/2005	24.72	55.277	36.65	3.05	35	48.40	23.241	8.60	3.4	19.9	12.3
6/1/2005	24.71	55.280	36.66	3.04	35	48.38	23.227	8.59	3.4	29.8	12.3
6/1/2005	24.71	55.283	36.66	2.90	35	48.41	23.243	8.59	3.4	15.3	12.3
6/1/2005	24.70	55.287	36.66	2.90	33	48.42	23.254	8.59	4.3	27.4	12.3
6/1/2005	24.72	55.282	36.66	3.03	35	48.41	23.247	8.59	9.2	29.7	12.4
6/1/2005	24.73	55.284	36.66	3.14	35	48.44	23.264	8.59	15.0	30.4	12.3
6/1/2005	24.78	55.276	36.65	3.25	35	48.47	23.291	8.59	20.5	24.1	12.4
6/1/2005	24.81	55.268	36.65	3.43	36	48.48	23.292	8.59	26.4	23.2	12.3
6/1/2005	24.85	55.255	36.64	3.69	36	48.51	23.319	8.60	40.2	31.8	12.3
6/1/2005	24.87	55.250	36.63	4.00	36	48.50	23.309	8.61	35.3	50.2	12.3
6/1/2005	24.92	55.235	36.62	3.92	36	48.51	23.315	8.62	42.6	15.2	12.4
6/1/2005	24.95	55.222	36.61	4.38	38	48.54	23.336	8.63	50.0	52.1	12.3
6/1/2005	24.98	55.220	36.61	4.38	37	48.54	23.340	8.64	51.3	23.4	12.4
6/1/2005	25.01	55.212	36.60	4.62	38	48.53	23.331	8.65	52.6	-0.7	12.4
6/1/2005	25.05	55.192	36.58	4.57	37	48.50	23.311	8.65	48.1	17.8	12.3
6/1/2005	25.06	55.036	36.47	4.13	37	48.52	23.324	8.65	35.6	5.3	12.4
6/1/2005	25.07	55.186	36.58	4.09	36	48.48	23.298	8.65	29.3	14.5	12.3
6/1/2005	25.00	55.205	36.59	4.01	36	48.46	23.284	8.66	25.6	21.4	12.3
6/1/2005	24.99	55.208	36.60	4.09	37	48.42	23.254	8.66	21.1	21.9	12.3
6/1/2005	24.88	55.237	36.62	4.14	37	48.39	23.231	8.67	23.3	4.8	12.3
6/1/2005	24.91	53.648	35.44	4.05	36	48.36	23.236	8.67	17.6	-0.5	12.3
6/1/2005	24.90	54.136	35.80	4.02	36	48.30	23.187	8.67	22.6	0.7	12.3
6/1/2005	24.93	55.227	36.61	4.55	37	48.26	23.146	8.68	38.2	-1.3	12.3
6/1/2005	24.97	53.942	35.65	4.42	37	48.26	23.164	8.70	39.7	1.2	12.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/1/2005	24.96	55.227	36.61	4.30	37	48.24	23.131	8.71	36.1	4.4	12.3
6/1/2005	24.95	55.232	36.62	4.19	36	48.23	23.127	8.70	23.5	8.4	12.3
6/1/2005	24.93	54.001	35.70	4.15	37	48.25	23.157	8.70	24.4	43.5	12.3
6/1/2005	24.95	54.584	36.13	4.10	36	48.23	23.130	8.70	17.1	-1.5	12.3
6/2/2005	24.93	55.131	36.54	3.96	37	48.25	23.139	8.70	15.4	27.4	12.3
6/2/2005	24.92	55.242	36.62	3.90	36	48.24	23.133	8.70	12.6	8.4	12.3
6/2/2005	24.94	55.241	36.62	3.67	36	48.29	23.163	8.69	5.7	1.4	12.3
6/2/2005	24.93	55.242	36.62	3.54	35	48.31	23.179	8.68	3.6	2.9	12.3
6/2/2005	24.93	54.055	35.74	3.48	35	48.33	23.207	8.69	3.6	2.5	12.3
6/2/2005	24.93	53.878	35.61	3.45	33	48.41	23.262	8.68	3.5	26.0	12.3
6/2/2005	24.95	53.828	35.57	3.35	35	48.44	23.285	8.67	3.5	35.0	12.3
6/2/2005	24.95	53.886	35.61	3.40	35	48.47	23.307	8.68	3.5	-1.0	12.3
6/2/2005	24.95	54.055	35.74	3.28	35	48.51	23.334	8.67	3.4	10.6	12.3
6/2/2005	24.96	53.769	35.52	3.21	33	48.53	23.351	8.67	3.4	41.8	12.3
6/2/2005	24.96	54.155	35.81	3.18	33	48.56	23.364	8.67	3.5	13.7	12.3
6/2/2005	24.97	54.330	35.94	3.20	35	48.60	23.388	8.67	3.4	0.7	12.3
6/2/2005	24.97	53.881	35.61	3.07	33	48.61	23.403	8.66	3.4	2.6	12.3
6/2/2005	24.98	54.048	35.73	3.13	33	48.62	23.409	8.67	3.4	0.1	12.3
6/2/2005	24.85	53.902	35.63	3.30	35	48.62	23.410	8.69	3.4	10.6	12.3
6/2/2005	24.76	53.849	35.59	3.42	36	48.60	23.397	8.72	3.4	9.5	12.3
6/2/2005	24.64	53.521	35.35	3.63	36	48.61	23.403	8.74	3.4	60.2	12.3
6/2/2005	24.60	53.492	35.33	3.64	35	48.61	23.406	8.74	3.4	24.4	12.3
6/2/2005	24.58	53.737	35.51	3.60	36	48.60	23.395	8.74	3.4	67.0	12.3
6/2/2005	24.56	53.703	35.48	3.52	35	48.59	23.388	8.74	3.4	60.9	12.3
6/2/2005	24.51	53.893	35.63	3.53	36	48.57	23.371	8.73	3.4	32.9	12.3
6/2/2005	24.40	53.807	35.56	3.47	35	48.56	23.366	8.73	3.4	27.7	12.3
6/2/2005	24.41	53.804	35.56	3.44	35	48.54	23.350	8.74	3.4	23.4	12.3
6/2/2005	24.41	53.734	35.51	3.37	35	48.54	23.353	8.73	4.4	44.1	12.3
6/2/2005	24.43	53.791	35.55	3.43	35	48.53	23.345	8.73	8.1	0.9	12.3
6/2/2005	24.43	53.830	35.58	3.60	35	48.52	23.335	8.73	13.1	37.4	12.3
6/2/2005	24.44	53.140	35.07	3.81	35	48.53	23.353	8.74	19.3	28.0	12.3
6/2/2005	24.45	53.416	35.27	3.92	36	48.54	23.356	8.74	26.1	1.2	12.3
6/2/2005	24.47	53.541	35.37	4.21	36	48.55	23.359	8.75	34.2	2.3	12.3
6/2/2005	24.50	55.206	36.61	4.58	37	48.54	23.335	8.76	42.6	11.7	12.3
6/2/2005	24.52	55.209	36.61	5.23	38	48.55	23.339	8.77	52.4	4.7	12.3
6/2/2005	24.53	55.201	36.60	5.54	38	48.55	23.344	8.80	59.0	3.7	12.3
6/2/2005	24.56	55.202	36.60	6.80	41	48.55	23.342	8.80	68.0	11.7	12.3
6/2/2005	24.67	55.180	36.58	6.08	40	48.52	23.322	8.78	74.3	16.6	12.3
6/2/2005	24.69	55.191	36.59	6.20	40	48.49	23.304	8.78	78.1	4.5	12.3
6/2/2005	24.71	55.183	36.58	6.44	40	48.48	23.293	8.79	79.2	16.7	12.3
6/2/2005	24.74	55.189	36.59	5.96	40	48.44	23.271	8.79	83.6	5.7	12.3
6/2/2005	24.78	55.199	36.59	5.50	39	48.41	23.250	8.82	84.6	7.9	12.3
6/2/2005	24.80	55.199	36.59	5.62	39	48.35	23.204	8.81	86.3	6.2	12.3
6/2/2005	24.82	55.203	36.60	5.57	39	48.32	23.187	8.82	85.6	17.3	12.3
6/2/2005	24.87	53.857	35.59	5.60	39	48.24	23.146	8.82	76.1	18.9	12.3
6/2/2005	24.90	55.192	36.59	5.59	39	48.23	23.125	8.83	72.7	22.2	12.3
6/2/2005	24.94	54.633	36.17	5.78	40	48.18	23.096	8.84	65.1	14.7	12.3
6/2/2005	24.95	55.186	36.58	5.26	38	48.15	23.073	8.84	58.2	28.2	12.3
6/2/2005	24.97	55.186	36.58	5.19	38	48.14	23.063	8.83	47.0	33.2	12.3
6/2/2005	24.98	54.035	35.72	5.02	38	48.06	23.022	8.84	33.7	29.1	12.3
6/2/2005	25.02	53.835	35.57	4.80	38	48.08	23.036	8.83	33.1	39.8	12.3
6/2/2005	25.05	55.163	36.56	4.48	36	48.07	23.018	8.81	24.1	45.1	12.3
6/3/2005	24.97	55.160	36.56	3.90	36	48.06	23.006	8.79	16.5	43.7	12.3
6/3/2005	24.87	55.167	36.57	3.78	35	48.08	23.021	8.79	8.8	39.1	12.3
6/3/2005	24.80	55.171	36.57	3.55	36	48.11	23.040	8.79	4.9	31.2	12.3
6/3/2005	24.79	55.173	36.58	3.45	35	48.14	23.065	8.78	3.6	26.2	12.3
6/3/2005	24.75	53.722	35.49	3.40	35	48.17	23.102	8.78	3.5	26.9	12.3
6/3/2005	24.74	54.003	35.70	3.38	35	48.25	23.150	8.78	3.5	27.7	12.3
6/3/2005	24.72	53.968	35.68	3.26	33	48.30	23.184	8.78	3.5	44.8	12.3
6/3/2005	24.59	53.956	35.67	3.56	35	48.34	23.216	8.81	3.4	23.9	12.3
6/3/2005	24.49	54.067	35.76	3.55	35	48.43	23.276	8.81	3.4	25.1	12.3
6/3/2005	24.44	53.983	35.70	3.53	35	48.48	23.310	8.82	3.4	58.8	12.3
6/3/2005	24.44	54.078	35.77	3.47	35	48.49	23.314	8.81	3.4	24.5	12.3
6/3/2005	24.39	53.502	35.34	3.55	36	48.57	23.373	8.82	3.4	30.2	12.3
6/3/2005	24.31	54.608	36.16	3.58	35	48.61	23.388	8.82	3.4	33.2	12.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/3/2005	24.30	53.498	35.34	3.57	36	48.60	23.398	8.82	3.4	49.0	12.3
6/3/2005	24.26	53.791	35.56	3.60	35	48.66	23.436	8.82	3.4	37.6	12.3
6/3/2005	24.24	53.855	35.60	3.58	36	48.65	23.428	8.82	3.4	16.3	12.4
6/3/2005	24.19	53.796	35.56	3.58	35	48.69	23.456	8.82	3.4	9.7	12.4
6/3/2005	24.15	53.792	35.56	3.61	35	48.66	23.436	8.82	3.4	24.3	12.3
6/3/2005	24.14	53.804	35.57	3.62	35	48.69	23.453	8.82	3.4	28.1	12.3
6/3/2005	24.13	53.776	35.55	3.55	35	48.68	23.448	8.82	3.4	23.6	12.3
6/3/2005	24.13	53.602	35.42	3.50	35	48.69	23.455	8.81	3.4	28.0	12.3
6/3/2005	24.13	53.798	35.56	3.49	35	48.68	23.443	8.81	3.3	21.3	12.3
6/3/2005	24.14	53.425	35.29	3.42	33	48.67	23.441	8.80	3.4	26.3	12.3
6/3/2005	24.14	55.063	36.51	3.37	35	48.65	23.409	8.80	4.3	39.5	12.3
6/3/2005	24.15	55.058	36.50	3.48	35	48.64	23.401	8.80	7.7	21.1	12.3
6/3/2005	24.16	55.039	36.49	3.45	35	48.63	23.397	8.79	7.8	27.4	12.3
6/3/2005	24.16	55.029	36.48	3.61	35	48.64	23.405	8.80	14.2	494.7	12.3
6/3/2005	24.17	55.031	36.48	3.91	35	48.64	23.405	8.81	21.6	21.1	12.3
6/3/2005	24.18	55.002	36.46	4.27	37	48.58	23.363	8.81	22.8	32.4	12.3
6/3/2005	24.21	55.028	36.48	4.65	37	48.59	23.370	8.83	45.4	46.7	12.3
6/3/2005	24.23	55.019	36.47	4.96	37	48.59	23.367	8.83	40.5	67.6	12.3
6/3/2005	24.24	55.029	36.48	5.06	38	48.56	23.347	8.83	50.3	16.2	12.3
6/3/2005	24.27	55.013	36.47	4.75	37	48.57	23.354	8.83	40.6	20.4	12.3
6/3/2005	24.32	53.348	35.22	6.15	40	48.54	23.360	8.86	77.0	13.2	12.3
6/3/2005	24.35	54.986	36.44	5.85	39	48.52	23.325	8.87	85.4	15.5	12.3
6/3/2005	24.37	54.974	36.44	5.68	39	48.47	23.290	8.86	80.3	15.8	12.3
6/3/2005	24.41	54.966	36.43	5.92	39	48.46	23.283	8.88	82.4	6.5	12.3
6/3/2005	24.44	54.970	36.43	5.51	38	48.41	23.248	8.89	79.1	3.2	12.3
6/3/2005	24.48	54.968	36.43	5.42	39	48.38	23.230	8.90	76.8	26.6	12.3
6/3/2005	24.47	53.617	35.42	5.36	39	48.30	23.192	8.91	96.1	27.7	12.3
6/3/2005	24.49	54.890	36.37	5.37	39	48.24	23.134	8.90	82.3	18.6	12.3
6/3/2005	24.53	54.903	36.38	5.30	38	48.20	23.103	8.91	81.5	16.4	12.3
6/3/2005	24.53	54.889	36.37	5.34	38	48.16	23.075	8.92	68.1	21.7	12.3
6/3/2005	24.56	54.891	36.37	4.95	38	48.12	23.050	8.92	61.7	15.7	12.3
6/3/2005	24.57	54.897	36.37	4.96	37	48.07	23.016	8.93	53.3	13.5	12.3
6/3/2005	24.57	54.888	36.37	4.73	37	48.02	22.981	8.92	37.6	11.8	12.3
6/3/2005	24.58	54.889	36.37	4.44	37	48.01	22.972	8.90	23.5	10.4	12.3
6/3/2005	24.58	54.882	36.36	4.44	37	47.98	22.953	8.89	24.9	8.4	12.3
6/4/2005	24.58	54.881	36.36	4.32	36	47.95	22.932	8.88	19.5	8.6	12.3
6/4/2005	24.59	54.878	36.36	4.14	37	47.95	22.935	8.87	10.8	4.6	12.3
6/4/2005	24.59	54.875	36.36	3.95	35	47.99	22.958	8.87	5.0	13.0	12.3
6/4/2005	24.65	54.861	36.34	3.80	36	48.01	22.973	8.86	3.6	10.5	12.3
6/4/2005	24.53	53.730	35.50	3.57	35	48.07	23.027	8.86	3.5	3.2	12.3
6/4/2005	24.51	53.534	35.36	3.47	35	48.12	23.064	8.86	3.5	10.9	12.3
6/4/2005	24.49	53.753	35.52	3.53	35	48.15	23.086	8.85	3.4	7.5	12.3
6/4/2005	24.48	54.097	35.78	3.41	33	48.21	23.118	8.85	3.4	8.1	12.3
6/4/2005	24.46	53.905	35.64	3.37	35	48.33	23.208	8.86	3.4	8.1	12.3
6/4/2005	24.47	53.925	35.65	3.36	35	48.39	23.247	8.85	3.4	5.7	12.3
6/4/2005	24.48	53.221	35.13	3.41	35	48.43	23.283	8.85	3.4	6.4	12.3
6/4/2005	24.49	53.361	35.23	3.40	35	48.51	23.335	8.85	3.4	4.1	12.3
6/4/2005	24.57	54.287	35.92	3.58	35	48.57	23.370	8.87	3.4	6.1	12.3
6/4/2005	24.55	54.233	35.88	3.69	35	48.61	23.393	8.88	3.4	11.8	12.3
6/4/2005	24.55	53.906	35.64	3.62	35	48.68	23.447	8.88	3.4	20.6	12.3
6/4/2005	24.54	54.072	35.76	3.61	36	48.70	23.458	8.87	3.4	6.9	12.3
6/4/2005	24.52	53.764	35.53	3.67	35	48.75	23.496	8.87	3.4	4.3	12.3
6/4/2005	24.44	53.968	35.68	3.68	35	48.76	23.502	8.87	3.4	3.0	12.3
6/4/2005	24.34	53.790	35.55	3.67	35	48.80	23.531	8.88	3.4	49.5	12.3
6/4/2005	24.34	53.882	35.62	3.66	36	48.78	23.518	8.87	3.4	8.5	12.3
6/4/2005	24.33	54.044	35.74	3.62	35	48.78	23.511	8.87	3.4	7.9	12.2
6/4/2005	24.29	53.710	35.49	3.64	35	48.83	23.552	8.87	3.4	282.2	12.3
6/4/2005	24.27	53.839	35.59	3.57	35	48.80	23.532	8.87	3.4	9.1	12.3
6/4/2005	24.27	55.083	36.52	3.50	35	48.80	23.510	8.86	4.3	301.3	12.3
6/4/2005	24.29	55.072	36.51	3.57	35	48.78	23.500	8.86	8.1	136.1	12.3
6/4/2005	24.31	55.014	36.47	3.54	35	48.78	23.498	8.85	11.6	2.9	12.3
6/4/2005	24.34	54.994	36.45	3.64	36	48.75	23.480	8.85	17.2	18.3	12.3
6/4/2005	24.34	55.022	36.47	3.68	35	48.73	23.467	8.86	21.8	5.3	12.3
6/4/2005	24.36	55.040	36.49	3.86	36	48.76	23.487	8.86	32.5	4.1	12.3
6/4/2005	24.39	55.044	36.49	4.01	36	48.72	23.461	8.86	41.1	15.9	12.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/4/2005	24.39	55.040	36.48	4.20	36	48.71	23.455	8.86	27.6	3.8	12.3
6/4/2005	24.43	55.035	36.48	4.37	37	48.65	23.414	8.89	59.6	115.9	12.3
6/4/2005	24.45	55.030	36.48	4.44	37	48.63	23.396	8.88	63.1	25.2	12.3
6/4/2005	24.49	55.022	36.47	4.68	38	48.62	23.389	8.89	79.6	12.4	12.3
6/4/2005	24.54	55.007	36.46	4.77	37	48.55	23.343	8.89	78.7	5.7	12.3
6/4/2005	24.58	54.897	36.37	4.86	37	48.53	23.335	8.90	81.8	7.9	12.3
6/4/2005	24.61	54.995	36.45	4.91	38	48.52	23.326	8.91	86.5	5.6	12.3
6/4/2005	24.66	54.985	36.44	4.79	37	48.50	23.312	8.93	84.5	7.0	12.2
6/4/2005	24.67	54.909	36.38	4.74	37	48.39	23.239	8.93	83.3	5.0	12.2
6/4/2005	24.67	54.914	36.38	4.79	37	48.36	23.213	8.93	81.4	5.0	12.3
6/4/2005	24.70	54.910	36.38	4.68	37	48.29	23.167	8.93	78.3	13.6	12.3
6/4/2005	24.74	54.905	36.38	4.93	38	48.24	23.133	8.93	71.6	9.0	12.3
6/4/2005	24.79	54.896	36.37	4.81	38	48.18	23.091	8.94	63.4	6.1	12.2
6/4/2005	24.80	54.892	36.36	4.69	37	48.09	23.033	8.95	60.4	6.6	12.3
6/4/2005	24.81	54.890	36.36	4.58	37	48.09	23.031	8.95	51.3	8.0	12.2
6/4/2005	24.83	54.877	36.35	4.61	37	48.03	22.987	8.94	41.7	8.3	12.3
6/4/2005	24.84	54.895	36.37	4.48	37	47.93	22.921	8.93	33.8	15.5	12.3
6/4/2005	24.87	54.903	36.37	4.44	37	47.92	22.914	8.92	24.2	12.6	12.2
6/5/2005	24.89	54.883	36.36	4.32	36	47.88	22.883	8.91	12.2	12.3	12.3
6/5/2005	24.91	54.873	36.35	4.22	36	47.94	22.928	8.91	9.9	27.2	12.3
6/5/2005	24.92	54.935	36.39	4.07	36	47.90	22.898	8.90	5.3	12.3	12.3
6/5/2005	24.92	53.635	35.43	3.89	36	47.92	22.931	8.90	3.7	12.1	12.3
6/5/2005	24.92	53.723	35.49	3.95	36	47.99	22.979	8.90	3.6	19.2	12.3
6/5/2005	24.94	54.072	35.75	3.95	36	48.00	22.982	8.90	3.5	17.2	12.3
6/5/2005	24.95	53.748	35.51	3.87	36	48.10	23.050	8.89	3.5	28.2	12.3
6/5/2005	24.99	53.616	35.41	3.79	36	48.12	23.066	8.88	3.5	22.0	12.3
6/5/2005	24.98	53.624	35.42	3.71	35	48.23	23.143	8.88	3.5	22.4	12.3
6/5/2005	25.01	54.038	35.72	3.65	35	48.31	23.196	8.87	3.5	39.6	12.3
6/5/2005	24.81	54.205	35.85	3.46	35	48.40	23.250	8.89	3.5	13.7	12.3
6/5/2005	24.76	54.362	35.97	3.44	35	48.46	23.295	8.89	3.4	13.5	12.3
6/5/2005	24.70	54.282	35.91	3.43	35	48.53	23.340	8.89	3.4	19.5	12.3
6/5/2005	24.66	54.183	35.84	3.37	35	48.60	23.392	8.89	3.4	207.0	12.3
6/5/2005	24.66	54.022	35.72	3.32	35	48.64	23.418	8.88	3.4	22.7	12.3
6/5/2005	24.63	54.543	36.11	3.28	35	48.73	23.478	8.88	3.4	12.6	12.3
6/5/2005	24.64	54.434	36.03	3.25	33	48.76	23.497	8.88	3.4	15.2	12.3
6/5/2005	24.64	54.003	35.71	3.19	35	48.80	23.530	8.87	3.4	23.8	12.3
6/5/2005	24.65	54.781	36.29	3.08	33	48.84	23.546	8.86	3.4	4.8	12.3
6/5/2005	24.66	53.828	35.57	2.97	33	48.86	23.571	8.85	3.4	15.2	12.3
6/5/2005	24.67	53.722	35.50	2.90	33	48.91	23.609	8.85	3.4	15.9	12.3
6/5/2005	24.68	53.650	35.44	2.88	33	48.89	23.597	8.84	3.4	298.4	12.3
6/5/2005	24.67	52.847	34.85	2.90	33	48.90	23.613	8.84	3.4	74.6	12.3
6/5/2005	24.68	55.015	36.46	2.82	33	48.88	23.575	8.84	4.1	13.8	12.3
6/5/2005	24.76	54.968	36.42	3.20	35	48.83	23.538	8.89	6.3	94.5	12.3
6/5/2005	24.78	54.923	36.39	3.31	35	48.88	23.577	8.89	9.3	20.4	12.3
6/5/2005	24.79	53.666	35.45	3.60	35	48.91	23.611	8.91	14.3	219.9	12.3
6/5/2005	24.82	54.917	36.38	3.76	35	48.90	23.588	8.91	25.0	17.8	12.3
6/5/2005	24.82	54.909	36.38	3.81	36	48.81	23.525	8.91	26.3	20.2	12.2
6/5/2005	24.82	54.908	36.38	3.86	36	48.83	23.542	8.91	41.5	34.3	12.3
6/5/2005	24.85	54.906	36.37	4.06	36	48.79	23.514	8.91	44.4	329.1	12.3
6/5/2005	24.87	53.372	35.23	4.26	36	48.69	23.467	8.92	53.9	30.9	12.3
6/5/2005	24.92	54.893	36.36	4.52	37	48.77	23.497	8.92	59.9	51.3	12.3
6/5/2005	24.97	54.881	36.35	4.45	37	48.71	23.458	8.92	69.4	122.0	12.3
6/5/2005	25.01	54.882	36.35	4.12	37	48.64	23.408	8.91	37.1	59.9	12.3
6/5/2005	25.03	54.876	36.35	4.41	36	48.62	23.398	8.93	63.7	64.8	12.3
6/5/2005	25.05	54.876	36.35	4.30	37	48.55	23.351	8.92	41.7	59.7	12.3
6/5/2005	25.08	54.879	36.35	4.15	37	48.49	23.306	8.93	33.3	68.9	12.3
6/5/2005	25.11	54.878	36.35	4.40	37	48.42	23.257	8.94	72.0	65.0	12.3
6/5/2005	25.13	54.870	36.34	4.30	36	48.36	23.218	8.94	65.5	35.5	12.3
6/5/2005	25.16	54.868	36.34	4.33	36	48.29	23.175	8.95	41.7	67.6	12.3
6/5/2005	25.18	54.863	36.33	4.26	36	48.24	23.137	8.95	51.0	46.5	12.3
6/5/2005	25.11	54.870	36.34	4.28	37	48.16	23.081	8.97	48.2	69.8	12.3
6/5/2005	25.02	54.886	36.35	4.35	36	48.15	23.070	8.98	41.0	86.5	12.3
6/5/2005	25.06	54.877	36.35	4.23	36	48.02	22.988	8.98	34.7	86.1	12.3
6/5/2005	25.08	54.875	36.35	4.14	36	47.97	22.954	8.97	28.1	71.0	12.2
6/5/2005	25.07	54.880	36.35	4.09	36	47.94	22.932	8.97	21.4	46.5	12.2

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/5/2005	25.10	54.864	36.34	4.01	37	47.84	22.863	8.96	16.3	36.3	12.2
6/6/2005	25.10	54.908	36.37	3.97	35	47.80	22.833	8.96	11.0	342.1	12.2
6/6/2005	25.10	54.889	36.36	3.86	36	47.84	22.864	8.95	6.2	298.7	12.2
6/6/2005	25.11	54.853	36.33	3.74	36	47.84	22.864	8.94	4.7	52.8	12.2
6/6/2005	25.11	54.907	36.37	3.76	36	47.81	22.839	8.94	3.7	254.7	12.2
6/6/2005	25.11	54.740	36.24	3.68	36	47.82	22.849	8.94	3.6	378.8	12.3
6/6/2005	25.12	53.725	35.49	3.67	35	47.84	22.875	8.94	3.5	240.4	12.3
6/6/2005	25.13	53.763	35.52	3.67	35	47.90	22.917	8.93	3.5	25.5	12.3
6/6/2005	25.14	53.689	35.46	3.52	35	48.02	23.001	8.92	3.5	175.4	12.3
6/6/2005	25.17	53.842	35.57	3.44	35	47.99	22.981	8.91	3.5	277.4	12.3
6/6/2005	25.17	53.626	35.41	3.36	35	48.08	23.045	8.90	3.5	10.6	12.3
6/6/2005	25.23	53.708	35.47	3.29	35	48.17	23.102	8.89	3.4	25.9	12.2
6/6/2005	25.25	53.628	35.41	3.24	35	48.30	23.196	8.89	3.4	320.4	12.3
6/6/2005	25.28	53.616	35.40	3.17	35	48.32	23.210	8.88	3.4	121.2	12.3
6/6/2005	25.28	53.796	35.54	3.10	33	48.42	23.276	8.88	3.5	92.6	12.2
6/6/2005	25.32	53.681	35.45	3.08	33	48.41	23.268	8.87	3.5	77.2	12.2
6/6/2005	25.35	54.157	35.80	3.09	33	48.54	23.353	8.87	3.5	48.5	12.3
6/6/2005	25.35	53.752	35.50	2.98	35	48.62	23.417	8.85	3.5	90.2	12.3
6/6/2005	25.37	54.225	35.85	2.95	35	48.74	23.493	8.85	3.4	397.6	12.3
6/6/2005	25.38	54.599	36.13	2.95	33	48.69	23.454	8.85	3.4	89.3	12.2
6/6/2005	25.40	53.770	35.51	2.87	33	48.85	23.573	8.84	3.5	183.9	12.3
6/6/2005	25.51	53.963	35.66	3.01	33	48.84	23.563	8.87	3.5	61.8	12.3
6/6/2005	25.47	53.649	35.42	3.02	33	48.85	23.578	8.87	3.5	65.3	12.3
6/6/2005	25.40	53.828	35.56	3.25	35	48.82	23.550	8.89	3.4	61.3	12.3
6/6/2005	25.38	55.021	36.45	3.18	35	48.87	23.573	8.89	4.3	78.3	12.3
6/6/2005	25.38	54.998	36.43	3.20	35	48.77	23.500	8.89	7.6	130.0	12.3
6/6/2005	25.41	54.994	36.43	3.17	35	48.88	23.580	8.89	10.1	113.9	12.3
6/6/2005	25.43	54.975	36.41	3.22	33	48.89	23.583	8.89	14.4	39.4	12.3
6/6/2005	25.49	54.947	36.39	3.27	35	48.88	23.579	8.89	21.4	186.8	12.3
6/6/2005	25.75	54.827	36.29	3.45	35	48.82	23.539	8.91	21.0	82.7	12.3
6/6/2005	25.74	54.782	36.26	3.81	36	48.90	23.596	8.94	26.7	172.0	12.3
6/6/2005	25.53	54.832	36.30	4.05	37	48.76	23.499	8.95	33.4	83.0	12.2
6/6/2005	25.44	54.855	36.32	4.23	37	48.73	23.479	8.96	38.6	87.5	12.3
6/6/2005	25.35	54.894	36.35	4.23	36	48.71	23.464	8.97	43.0	85.3	12.2
6/6/2005	25.19	54.939	36.39	4.32	36	48.69	23.446	8.96	48.3	26.3	12.3
6/6/2005	25.16	54.950	36.40	4.34	37	48.62	23.398	8.97	50.2	85.0	12.3
6/6/2005	25.15	55.052	36.48	4.37	36	48.63	23.403	8.97	51.2	109.7	12.2
6/6/2005	25.12	55.087	36.50	4.37	36	48.59	23.376	8.98	52.1	75.3	12.2
6/6/2005	25.14	55.053	36.48	4.49	36	48.51	23.322	8.98	50.0	75.1	12.2
6/6/2005	25.17	55.070	36.49	4.44	37	48.48	23.300	8.99	47.7	35.5	12.2
6/6/2005	25.20	55.033	36.46	4.42	36	48.44	23.270	8.99	47.2	153.9	12.2
6/6/2005	25.22	55.034	36.46	4.39	36	48.39	23.239	9.00	42.4	126.2	12.2
6/6/2005	25.23	55.017	36.45	4.25	36	48.35	23.212	8.99	40.1	231.0	12.1
6/6/2005	25.24	55.005	36.44	4.32	36	48.23	23.131	8.99	28.6	121.0	12.3
6/6/2005	25.28	55.002	36.44	4.35	37	48.22	23.124	9.01	33.2	170.2	12.3
6/6/2005	25.31	54.972	36.41	4.30	37	48.10	23.039	9.00	27.7	239.8	12.2
6/6/2005	25.33	54.958	36.40	4.26	37	48.06	23.015	9.00	18.3	212.2	12.2
6/6/2005	25.34	54.943	36.39	4.15	36	48.00	22.970	8.99	19.9	226.4	12.2
6/6/2005	25.36	54.935	36.38	4.10	36	47.88	22.890	8.98	13.8	247.1	12.3
6/7/2005	25.39	54.851	36.32	3.89	36	47.91	22.913	8.97	8.4	211.9	12.2
6/7/2005	25.39	54.874	36.34	3.79	36	47.81	22.844	8.97	6.4	283.5	12.1
6/7/2005	25.40	54.894	36.35	3.80	36	47.82	22.852	8.97	4.5	119.2	12.1
6/7/2005	25.41	54.975	36.41	3.70	35	47.81	22.842	8.96	3.7	79.9	12.3
6/7/2005	25.42	54.196	35.83	3.58	35	47.83	22.864	8.95	3.6	289.4	12.3
6/7/2005	25.42	53.242	35.12	3.64	35	47.82	22.872	8.95	3.6	153.3	12.3
6/7/2005	25.42	53.647	35.42	3.61	35	47.87	22.898	8.95	3.5	120.1	12.2
6/7/2005	25.44	53.675	35.44	3.52	35	47.92	22.937	8.94	3.5	126.5	12.3
6/7/2005	25.46	53.522	35.33	3.48	35	47.95	22.953	8.94	3.5	163.9	12.2
6/7/2005	25.46	53.802	35.54	3.36	35	47.97	22.968	8.93	3.5	137.3	12.1
6/7/2005	25.47	54.025	35.70	3.35	35	48.01	22.995	8.93	3.5	287.9	12.2
6/7/2005	25.49	53.444	35.27	3.33	33	48.14	23.089	8.93	3.5	140.3	12.1
6/7/2005	25.49	54.947	36.39	3.27	33	48.22	23.124	8.93	3.5	158.0	12.3
6/7/2005	25.51	54.945	36.39	3.28	33	48.27	23.158	8.93	3.5	204.5	12.3
6/7/2005	25.53	53.240	35.12	3.25	33	48.37	23.250	8.93	3.5	41.5	12.3
6/7/2005	25.54	54.939	36.38	3.14	33	48.42	23.265	8.92	3.5	356.7	12.3

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/7/2005	25.55	54.938	36.38	3.12	35	48.50	23.316	8.92	3.5	369.9	12.3
6/7/2005	25.56	54.933	36.38	3.08	33	48.59	23.377	8.91	3.5	229.1	12.1
6/7/2005	25.62	54.912	36.36	2.95	33	48.62	23.403	8.90	3.5	89.7	12.3
6/7/2005	25.53	55.005	36.43	3.51	35	48.67	23.434	8.98	3.5	345.0	12.3
6/7/2005	25.49	55.015	36.44	3.61	35	48.74	23.480	8.99	3.4	198.5	12.2
6/7/2005	25.49	55.009	36.44	3.56	35	48.77	23.500	8.98	3.4	80.9	12.3
6/7/2005	25.50	54.969	36.41	3.50	35	48.76	23.498	8.98	3.5	190.3	12.3
6/7/2005	25.50	54.881	36.34	3.43	35	48.83	23.542	8.97	3.9	153.5	12.1
6/7/2005	25.50	54.872	36.33	3.43	35	48.87	23.573	8.97	6.7	254.7	12.3
6/7/2005	25.51	54.881	36.34	3.38	35	48.86	23.569	8.97	9.4	40.8	12.3
6/7/2005	25.51	54.893	36.35	3.40	35	48.83	23.544	8.97	13.0	99.3	12.3
6/7/2005	25.52	54.900	36.35	3.41	33	48.89	23.584	8.97	17.7	242.6	12.3
6/7/2005	25.52	54.883	36.34	3.42	33	48.80	23.526	8.97	22.3	315.6	12.2
6/7/2005	25.53	54.888	36.34	3.44	35	48.84	23.551	8.97	28.4	228.1	12.1
6/7/2005	25.55	54.877	36.34	3.52	33	48.78	23.513	8.97	34.3	201.6	12.1
6/7/2005	25.56	54.847	36.31	3.59	35	48.80	23.528	8.98	38.8	188.4	12.1
6/7/2005	25.57	54.872	36.33	3.67	35	48.73	23.479	8.98	42.8	218.0	12.3
6/7/2005	25.58	54.863	36.32	3.80	35	48.70	23.456	8.98	46.7	137.4	12.1
6/7/2005	25.60	54.863	36.32	3.72	35	48.68	23.442	8.98	46.8	345.8	12.1
6/7/2005	25.61	54.865	36.33	3.71	35	48.70	23.459	8.99	50.1	256.0	12.3
6/7/2005	25.61	54.852	36.32	3.78	35	48.63	23.410	8.99	50.8	160.2	12.3
6/7/2005	25.64	54.793	36.27	3.87	36	48.61	23.396	9.00	52.1	234.0	12.3
6/7/2005	25.65	53.618	35.40	3.83	35	48.56	23.376	8.99	50.4	233.9	12.1
6/7/2005	25.65	54.818	36.29	3.82	36	48.47	23.301	8.99	48.3	168.7	12.1
6/7/2005	25.67	53.479	35.29	3.86	36	48.45	23.300	8.99	46.5	355.2	12.1
6/7/2005	25.69	54.818	36.29	3.90	35	48.34	23.212	8.99	42.3	259.0	12.1
6/7/2005	25.69	54.798	36.27	3.83	35	48.28	23.172	8.99	44.8	273.2	12.3
6/7/2005	25.71	53.664	35.43	3.87	35	48.23	23.149	8.99	13.7	322.0	12.1
6/7/2005	25.72	54.783	36.26	3.91	35	48.21	23.120	9.00	22.3	327.0	12.1
6/7/2005	25.72	54.788	36.27	3.84	36	48.11	23.052	8.99	11.8	422.8	12.3
6/7/2005	25.73	54.784	36.26	3.85	36	48.02	22.989	9.00	17.9	156.8	12.1
6/7/2005	25.60	54.792	36.27	3.79	35	47.95	22.943	9.01	10.1	282.3	12.2
6/8/2005	25.53	54.843	36.31	3.73	35	47.91	22.913	9.02	8.1	187.1	12.1
6/8/2005	25.51	54.744	36.24	3.70	35	47.89	22.901	9.02	6.9	604.7	12.3
6/8/2005	25.50	54.945	36.39	3.63	35	47.85	22.871	9.02	4.3	222.9	12.1
6/8/2005	25.51	54.949	36.39	3.54	35	47.79	22.831	9.01	3.6	314.1	12.1
6/8/2005	25.51	54.950	36.39	3.51	33	47.80	22.837	9.01	3.6	320.5	12.1
6/8/2005	25.51	54.948	36.39	3.52	35	47.76	22.812	9.01	3.5	439.3	12.1
6/8/2005	25.52	54.951	36.39	3.52	35	47.78	22.823	9.00	3.5	111.3	12.1
6/8/2005	25.52	54.950	36.39	3.50	35	47.78	22.820	9.00	3.5	370.7	12.3
6/8/2005	25.52	54.948	36.39	3.45	35	47.80	22.836	9.00	3.5	84.0	12.3
6/8/2005	25.53	54.948	36.39	3.35	33	47.87	22.880	8.99	3.5	286.6	12.3
6/8/2005	25.56	54.941	36.38	3.28	33	47.94	22.930	8.98	3.5	249.6	12.3
6/8/2005	25.54	54.947	36.39	3.30	33	48.02	22.986	8.98	3.5	276.6	12.2
6/8/2005	25.59	54.934	36.38	3.08	33	48.03	22.998	8.96	3.5	276.7	12.1
6/8/2005	25.60	54.930	36.37	3.09	33	48.14	23.073	8.96	3.5	146.4	12.3
6/8/2005	25.64	54.918	36.36	3.05	33	48.20	23.115	8.96	3.5	209.7	12.3
6/8/2005	25.66	54.908	36.36	2.97	33	48.27	23.158	8.95	3.5	121.8	12.3
6/8/2005	25.69	54.895	36.35	2.92	33	48.39	23.244	8.95	3.5	145.8	12.3
6/8/2005	25.70	54.889	36.34	3.00	35	48.43	23.269	8.95	3.4	269.4	12.1
6/8/2005	25.68	54.900	36.35	2.90	33	48.54	23.344	8.94	3.5	134.4	12.3
6/8/2005	25.71	54.879	36.33	2.83	33	48.56	23.360	8.94	3.5	66.4	12.3
6/8/2005	25.70	54.892	36.34	2.89	33	48.63	23.408	8.93	3.5	322.9	12.3
6/8/2005	25.71	54.886	36.34	2.75	33	48.67	23.440	8.92	3.5	329.5	12.3
6/8/2005	25.73	54.874	36.33	2.79	33	48.74	23.482	8.92	3.5	232.8	12.3
6/8/2005	25.74	54.870	36.33	2.70	33	48.77	23.505	8.92	4.0	254.4	12.3
6/8/2005	25.73	54.842	36.31	2.93	33	48.81	23.532	8.94	5.6	288.8	12.3
6/8/2005	25.72	54.829	36.30	3.09	33	48.83	23.546	8.96	7.4	155.5	12.3
6/8/2005	25.70	54.813	36.28	3.35	33	48.85	23.561	8.99	11.4	72.7	12.3
6/8/2005	25.68	54.816	36.29	3.43	35	48.85	23.563	8.99	13.5	400.5	12.3
6/8/2005	25.65	54.827	36.30	3.46	35	48.88	23.585	8.99	17.3	175.5	12.3
6/8/2005	25.67	54.822	36.29	3.55	35	48.87	23.577	8.99	22.0	273.4	12.3
6/8/2005	25.68	54.823	36.29	3.63	35	48.86	23.571	9.00	20.5	177.1	12.3
6/8/2005	25.69	54.819	36.29	3.57	35	48.84	23.552	8.99	31.0	424.0	12.3
6/8/2005	25.69	53.332	35.18	3.63	33	48.83	23.568	8.98	34.2	157.4	12.1

Appendix 5
Water Quality Data

East Flower Garden Bank											
May 11, 2005 - June 8, 2005											
Date	Temp C	SpCond mS/cm/ sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec* m^2	Turbidity (NTU)	Battery
6/8/2005	25.47	54.932	36.38	3.61	35	48.76	23.498	8.98	36.4	79.4	12.3
6/8/2005	25.48	54.932	36.38	3.86	35	48.80	23.523	8.99	37.1	257.6	12.1
6/8/2005	25.49	54.941	36.39	3.87	35	48.74	23.484	9.00	38.8	414.1	12.1
6/8/2005	25.47	54.958	36.40	3.88	35	48.72	23.465	9.01	42.3	88.8	12.1
6/8/2005	25.49	54.959	36.40	3.99	36	48.68	23.440	9.01	48.0	93.6	12.3
6/8/2005	25.50	54.971	36.41	4.06	36	48.64	23.413	9.02	45.5	244.1	12.3
6/8/2005	25.50	54.972	36.41	4.14	36	48.62	23.403	9.03	40.6	119.3	12.1
6/8/2005	25.51	54.975	36.41	4.15	36	48.53	23.336	9.03	36.6	140.5	12.1
6/8/2005	25.52	53.906	35.61	4.25	35	48.47	23.313	9.03	35.6	274.4	12.1
6/8/2005	25.53	54.972	36.41	4.21	36	48.43	23.271	9.03	32.2	437.3	12.1
6/8/2005	28.39	50.330	32.89	3.60	36	16.63	1.384	8.98	32.9	85.3	12.1
6/8/2005	30.28	1.336	0.66	4.69	38	14.79	0.119	7.92	925.5	14.7	12.1
6/8/2005	34.31	0.021	0.01	4.08	35	14.79	0.118	9.18	2.6	542.5	12.1

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/11/05 06:30:00.0	23.57
05/11/05 07:30:00.0	23.71
05/11/05 08:30:00.0	25.57
05/11/05 09:30:00.0	28.57
05/11/05 10:30:00.0	24.36
05/11/05 11:30:00.0	24.39
05/11/05 12:30:00.0	24.56
05/11/05 13:30:00.0	24.73
05/11/05 14:30:00.0	24.53
05/11/05 15:30:00.0	25.04
05/11/05 16:30:00.0	25.33
05/11/05 17:30:00.0	27.01
05/11/05 18:30:00.0	22.63
05/11/05 19:30:00.0	22.61
05/11/05 20:30:00.0	22.59
05/11/05 21:30:00.0	22.51
05/11/05 22:30:00.0	22.42
05/11/05 23:30:00.0	22.32
05/12/05 00:30:00.0	22.30
05/12/05 01:30:00.0	22.47
05/12/05 02:30:00.0	22.61
05/12/05 03:30:00.0	22.63
05/12/05 04:30:00.0	22.47
05/12/05 05:30:00.0	22.37
05/12/05 06:30:00.0	22.32
05/12/05 07:30:00.0	22.35
05/12/05 08:30:00.0	22.27
05/12/05 09:30:00.0	22.37
05/12/05 10:30:00.0	22.39
05/12/05 11:30:00.0	22.44
05/12/05 12:30:00.0	22.49
05/12/05 13:30:00.0	22.49
05/12/05 14:30:00.0	22.44
05/12/05 15:30:00.0	22.39
05/12/05 16:30:00.0	22.35
05/12/05 17:30:00.0	22.32
05/12/05 18:30:00.0	22.32
05/12/05 19:30:00.0	22.30
05/12/05 20:30:00.0	22.25
05/12/05 21:30:00.0	22.23
05/12/05 22:30:00.0	22.15
05/12/05 23:30:00.0	22.18
05/13/05 00:30:00.0	22.39
05/13/05 01:30:00.0	22.44
05/13/05 02:30:00.0	22.44
05/13/05 03:30:00.0	22.42
05/13/05 04:30:00.0	22.42
05/13/05 05:30:00.0	22.42
05/13/05 06:30:00.0	22.44
05/13/05 07:30:00.0	22.42
05/13/05 08:30:00.0	22.37
05/13/05 09:30:00.0	22.51
05/13/05 10:30:00.0	22.75
05/13/05 11:30:00.0	22.78
05/13/05 12:30:00.0	22.73
05/13/05 13:30:00.0	22.85
05/13/05 14:30:00.0	22.85
05/13/05 15:30:00.0	22.80
05/13/05 16:30:00.0	22.63
05/13/05 17:30:00.0	22.39
05/13/05 18:30:00.0	22.30
05/13/05 19:30:00.0	22.35
05/13/05 20:30:00.0	22.35

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	678047
Memory Size (Bytes)	32768
Deployment	7
Series Info	Information about the data in the series
Points Used	683
First Point	05/11/05 06:30:00.0
Last Point	06/08/05 16:30:00.0
Duration	28 Days 10:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	28.59
Min Value	22.13
Avg Value	24.08
Launch Parameters	
Load Time	05/10/2005 19:15:54 GMT 05/10/2005 14:15:54 Local
Launch Time	05/10/2005 19:15:55 GMT 05/10/2005 14:15:55 Local
Logging Time	05/11/2005 11:30:00 GMT 05/11/2005 06:30:00 Local
Sampling Interval	3600
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0x58E_04
Wrap Count	0
Description String	EFGB-5-11-05-678047
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/13/05 21:30:00.0	22.30
05/13/05 22:30:00.0	22.13
05/13/05 23:30:00.0	22.15
05/14/05 00:30:00.0	22.18
05/14/05 01:30:00.0	22.15
05/14/05 02:30:00.0	22.13
05/14/05 03:30:00.0	22.13
05/14/05 04:30:00.0	22.15
05/14/05 05:30:00.0	22.20
05/14/05 06:30:00.0	22.20
05/14/05 07:30:00.0	22.23
05/14/05 08:30:00.0	22.27
05/14/05 09:30:00.0	22.35
05/14/05 10:30:00.0	22.39
05/14/05 11:30:00.0	22.44
05/14/05 12:30:00.0	22.51
05/14/05 13:30:00.0	22.54
05/14/05 14:30:00.0	22.49
05/14/05 15:30:00.0	22.44
05/14/05 16:30:00.0	22.54
05/14/05 17:30:00.0	22.61
05/14/05 18:30:00.0	22.51
05/14/05 19:30:00.0	22.54
05/14/05 20:30:00.0	22.61
05/14/05 21:30:00.0	22.59
05/14/05 22:30:00.0	22.61
05/14/05 23:30:00.0	22.63
05/15/05 00:30:00.0	22.66
05/15/05 01:30:00.0	22.66
05/15/05 02:30:00.0	22.66
05/15/05 03:30:00.0	22.66
05/15/05 04:30:00.0	22.66
05/15/05 05:30:00.0	22.71
05/15/05 06:30:00.0	22.85
05/15/05 07:30:00.0	23.02
05/15/05 08:30:00.0	23.09
05/15/05 09:30:00.0	23.04
05/15/05 10:30:00.0	23.06
05/15/05 11:30:00.0	23.14
05/15/05 12:30:00.0	23.18
05/15/05 13:30:00.0	23.16
05/15/05 14:30:00.0	23.18
05/15/05 15:30:00.0	23.09
05/15/05 16:30:00.0	22.99
05/15/05 17:30:00.0	23.02
05/15/05 18:30:00.0	22.97
05/15/05 19:30:00.0	22.92
05/15/05 20:30:00.0	22.92
05/15/05 21:30:00.0	22.92
05/15/05 22:30:00.0	22.94
05/15/05 23:30:00.0	22.94
05/16/05 00:30:00.0	22.99
05/16/05 01:30:00.0	23.02
05/16/05 02:30:00.0	23.21
05/16/05 03:30:00.0	23.26
05/16/05 04:30:00.0	23.11
05/16/05 05:30:00.0	22.85
05/16/05 06:30:00.0	22.90
05/16/05 07:30:00.0	23.06
05/16/05 08:30:00.0	23.09
05/16/05 09:30:00.0	23.09
05/16/05 10:30:00.0	23.42
05/16/05 11:30:00.0	23.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/16/05 12:30:00.0	23.55
05/16/05 13:30:00.0	23.62
05/16/05 14:30:00.0	23.64
05/16/05 15:30:00.0	23.67
05/16/05 16:30:00.0	23.55
05/16/05 17:30:00.0	23.50
05/16/05 18:30:00.0	23.45
05/16/05 19:30:00.0	23.23
05/16/05 20:30:00.0	23.18
05/16/05 21:30:00.0	23.18
05/16/05 22:30:00.0	23.16
05/16/05 23:30:00.0	23.14
05/17/05 00:30:00.0	23.14
05/17/05 01:30:00.0	23.18
05/17/05 02:30:00.0	23.18
05/17/05 03:30:00.0	23.18
05/17/05 04:30:00.0	23.21
05/17/05 05:30:00.0	23.23
05/17/05 06:30:00.0	23.23
05/17/05 07:30:00.0	23.26
05/17/05 08:30:00.0	23.04
05/17/05 09:30:00.0	23.14
05/17/05 10:30:00.0	23.45
05/17/05 11:30:00.0	23.55
05/17/05 12:30:00.0	23.57
05/17/05 13:30:00.0	23.55
05/17/05 14:30:00.0	23.33
05/17/05 15:30:00.0	23.33
05/17/05 16:30:00.0	23.11
05/17/05 17:30:00.0	22.92
05/17/05 18:30:00.0	22.78
05/17/05 19:30:00.0	22.78
05/17/05 20:30:00.0	22.82
05/17/05 21:30:00.0	22.87
05/17/05 22:30:00.0	22.87
05/17/05 23:30:00.0	22.87
05/18/05 00:30:00.0	22.87
05/18/05 01:30:00.0	22.87
05/18/05 02:30:00.0	22.87
05/18/05 03:30:00.0	22.87
05/18/05 04:30:00.0	22.87
05/18/05 05:30:00.0	22.90
05/18/05 06:30:00.0	22.90
05/18/05 07:30:00.0	22.94
05/18/05 08:30:00.0	23.11
05/18/05 09:30:00.0	23.14
05/18/05 10:30:00.0	23.09
05/18/05 11:30:00.0	23.11
05/18/05 12:30:00.0	23.14
05/18/05 13:30:00.0	23.09
05/18/05 14:30:00.0	23.09
05/18/05 15:30:00.0	22.99
05/18/05 16:30:00.0	22.94
05/18/05 17:30:00.0	22.94
05/18/05 18:30:00.0	22.97
05/18/05 19:30:00.0	22.99
05/18/05 20:30:00.0	22.90
05/18/05 21:30:00.0	23.02
05/18/05 22:30:00.0	23.21
05/18/05 23:30:00.0	24.03
05/19/05 00:30:00.0	24.03
05/19/05 01:30:00.0	24.03
05/19/05 02:30:00.0	24.03

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/19/05 03:30:00.0	24.05
05/19/05 04:30:00.0	24.05
05/19/05 05:30:00.0	24.05
05/19/05 06:30:00.0	24.05
05/19/05 07:30:00.0	24.05
05/19/05 08:30:00.0	24.12
05/19/05 09:30:00.0	24.20
05/19/05 10:30:00.0	24.32
05/19/05 11:30:00.0	24.41
05/19/05 12:30:00.0	24.51
05/19/05 13:30:00.0	24.63
05/19/05 14:30:00.0	24.63
05/19/05 15:30:00.0	24.65
05/19/05 16:30:00.0	24.58
05/19/05 17:30:00.0	24.34
05/19/05 18:30:00.0	23.52
05/19/05 19:30:00.0	23.09
05/19/05 20:30:00.0	22.94
05/19/05 21:30:00.0	22.99
05/19/05 22:30:00.0	23.04
05/19/05 23:30:00.0	23.11
05/20/05 00:30:00.0	23.18
05/20/05 01:30:00.0	23.23
05/20/05 02:30:00.0	23.23
05/20/05 03:30:00.0	23.26
05/20/05 04:30:00.0	23.21
05/20/05 05:30:00.0	23.33
05/20/05 06:30:00.0	23.35
05/20/05 07:30:00.0	23.38
05/20/05 08:30:00.0	23.42
05/20/05 09:30:00.0	23.50
05/20/05 10:30:00.0	23.55
05/20/05 11:30:00.0	23.52
05/20/05 12:30:00.0	23.55
05/20/05 13:30:00.0	23.62
05/20/05 14:30:00.0	23.64
05/20/05 15:30:00.0	23.76
05/20/05 16:30:00.0	23.62
05/20/05 17:30:00.0	23.55
05/20/05 18:30:00.0	23.42
05/20/05 19:30:00.0	23.45
05/20/05 20:30:00.0	23.55
05/20/05 21:30:00.0	23.59
05/20/05 22:30:00.0	23.69
05/20/05 23:30:00.0	23.86
05/21/05 00:30:00.0	23.52
05/21/05 01:30:00.0	23.30
05/21/05 02:30:00.0	23.26
05/21/05 03:30:00.0	23.23
05/21/05 04:30:00.0	23.21
05/21/05 05:30:00.0	23.18
05/21/05 06:30:00.0	23.26
05/21/05 07:30:00.0	23.50
05/21/05 08:30:00.0	23.52
05/21/05 09:30:00.0	23.57
05/21/05 10:30:00.0	23.88
05/21/05 11:30:00.0	24.07
05/21/05 12:30:00.0	23.95
05/21/05 13:30:00.0	24.15
05/21/05 14:30:00.0	24.15
05/21/05 15:30:00.0	23.93
05/21/05 16:30:00.0	23.79
05/21/05 17:30:00.0	23.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/21/05 18:30:00.0	23.40
05/21/05 19:30:00.0	23.40
05/21/05 20:30:00.0	23.40
05/21/05 21:30:00.0	23.42
05/21/05 22:30:00.0	23.57
05/21/05 23:30:00.0	23.57
05/22/05 00:30:00.0	23.57
05/22/05 01:30:00.0	23.59
05/22/05 02:30:00.0	23.62
05/22/05 03:30:00.0	23.64
05/22/05 04:30:00.0	23.67
05/22/05 05:30:00.0	23.62
05/22/05 06:30:00.0	23.55
05/22/05 07:30:00.0	23.55
05/22/05 08:30:00.0	23.57
05/22/05 09:30:00.0	23.83
05/22/05 10:30:00.0	23.83
05/22/05 11:30:00.0	23.91
05/22/05 12:30:00.0	24.00
05/22/05 13:30:00.0	24.10
05/22/05 14:30:00.0	24.07
05/22/05 15:30:00.0	24.15
05/22/05 16:30:00.0	24.12
05/22/05 17:30:00.0	24.05
05/22/05 18:30:00.0	23.98
05/22/05 19:30:00.0	23.88
05/22/05 20:30:00.0	23.83
05/22/05 21:30:00.0	23.81
05/22/05 22:30:00.0	23.79
05/22/05 23:30:00.0	23.79
05/23/05 00:30:00.0	23.62
05/23/05 01:30:00.0	23.69
05/23/05 02:30:00.0	23.71
05/23/05 03:30:00.0	23.71
05/23/05 04:30:00.0	23.69
05/23/05 05:30:00.0	23.71
05/23/05 06:30:00.0	23.71
05/23/05 07:30:00.0	23.71
05/23/05 08:30:00.0	23.74
05/23/05 09:30:00.0	23.83
05/23/05 10:30:00.0	24.05
05/23/05 11:30:00.0	24.24
05/23/05 12:30:00.0	24.24
05/23/05 13:30:00.0	24.46
05/23/05 14:30:00.0	24.44
05/23/05 15:30:00.0	24.39
05/23/05 16:30:00.0	24.53
05/23/05 17:30:00.0	24.51
05/23/05 18:30:00.0	24.39
05/23/05 19:30:00.0	24.34
05/23/05 20:30:00.0	24.34
05/23/05 21:30:00.0	24.39
05/23/05 22:30:00.0	24.41
05/23/05 23:30:00.0	24.41
05/24/05 00:30:00.0	24.75
05/24/05 01:30:00.0	24.94
05/24/05 02:30:00.0	24.92
05/24/05 03:30:00.0	24.87
05/24/05 04:30:00.0	24.85
05/24/05 05:30:00.0	24.77
05/24/05 06:30:00.0	24.77
05/24/05 07:30:00.0	24.80
05/24/05 08:30:00.0	24.80

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/24/05 09:30:00.0	24.07
05/24/05 10:30:00.0	24.05
05/24/05 11:30:00.0	24.15
05/24/05 12:30:00.0	23.95
05/24/05 13:30:00.0	23.93
05/24/05 14:30:00.0	24.00
05/24/05 15:30:00.0	23.93
05/24/05 16:30:00.0	23.88
05/24/05 17:30:00.0	23.83
05/24/05 18:30:00.0	23.88
05/24/05 19:30:00.0	23.93
05/24/05 20:30:00.0	23.83
05/24/05 21:30:00.0	23.86
05/24/05 22:30:00.0	23.86
05/24/05 23:30:00.0	23.88
05/25/05 00:30:00.0	23.86
05/25/05 01:30:00.0	23.86
05/25/05 02:30:00.0	23.88
05/25/05 03:30:00.0	23.86
05/25/05 04:30:00.0	23.86
05/25/05 05:30:00.0	23.83
05/25/05 06:30:00.0	23.86
05/25/05 07:30:00.0	23.98
05/25/05 08:30:00.0	23.76
05/25/05 09:30:00.0	23.76
05/25/05 10:30:00.0	23.88
05/25/05 11:30:00.0	23.95
05/25/05 12:30:00.0	24.07
05/25/05 13:30:00.0	24.17
05/25/05 14:30:00.0	24.22
05/25/05 15:30:00.0	24.15
05/25/05 16:30:00.0	24.05
05/25/05 17:30:00.0	23.88
05/25/05 18:30:00.0	23.88
05/25/05 19:30:00.0	23.86
05/25/05 20:30:00.0	23.83
05/25/05 21:30:00.0	23.86
05/25/05 22:30:00.0	23.86
05/25/05 23:30:00.0	23.86
05/26/05 00:30:00.0	23.88
05/26/05 01:30:00.0	23.88
05/26/05 02:30:00.0	23.88
05/26/05 03:30:00.0	23.91
05/26/05 04:30:00.0	24.03
05/26/05 05:30:00.0	24.07
05/26/05 06:30:00.0	24.07
05/26/05 07:30:00.0	24.12
05/26/05 08:30:00.0	24.22
05/26/05 09:30:00.0	24.32
05/26/05 10:30:00.0	24.44
05/26/05 11:30:00.0	24.56
05/26/05 12:30:00.0	24.70
05/26/05 13:30:00.0	24.46
05/26/05 14:30:00.0	24.51
05/26/05 15:30:00.0	24.32
05/26/05 16:30:00.0	24.39
05/26/05 17:30:00.0	24.27
05/26/05 18:30:00.0	24.22
05/26/05 19:30:00.0	24.05
05/26/05 20:30:00.0	23.98
05/26/05 21:30:00.0	24.03
05/26/05 22:30:00.0	24.07
05/26/05 23:30:00.0	24.03

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/27/05 00:30:00.0	24.07
05/27/05 01:30:00.0	24.12
05/27/05 02:30:00.0	24.15
05/27/05 03:30:00.0	24.17
05/27/05 04:30:00.0	24.20
05/27/05 05:30:00.0	24.22
05/27/05 06:30:00.0	24.24
05/27/05 07:30:00.0	24.27
05/27/05 08:30:00.0	24.39
05/27/05 09:30:00.0	24.46
05/27/05 10:30:00.0	24.56
05/27/05 11:30:00.0	24.58
05/27/05 12:30:00.0	24.73
05/27/05 13:30:00.0	24.63
05/27/05 14:30:00.0	24.65
05/27/05 15:30:00.0	24.63
05/27/05 16:30:00.0	24.61
05/27/05 17:30:00.0	24.51
05/27/05 18:30:00.0	24.44
05/27/05 19:30:00.0	24.36
05/27/05 20:30:00.0	24.34
05/27/05 21:30:00.0	24.36
05/27/05 22:30:00.0	24.36
05/27/05 23:30:00.0	24.39
05/28/05 00:30:00.0	24.41
05/28/05 01:30:00.0	24.41
05/28/05 02:30:00.0	24.41
05/28/05 03:30:00.0	24.44
05/28/05 04:30:00.0	24.48
05/28/05 05:30:00.0	24.63
05/28/05 06:30:00.0	24.63
05/28/05 07:30:00.0	24.68
05/28/05 08:30:00.0	24.75
05/28/05 09:30:00.0	24.80
05/28/05 10:30:00.0	24.80
05/28/05 11:30:00.0	24.75
05/28/05 12:30:00.0	24.80
05/28/05 13:30:00.0	24.75
05/28/05 14:30:00.0	24.80
05/28/05 15:30:00.0	24.68
05/28/05 16:30:00.0	24.63
05/28/05 17:30:00.0	24.56
05/28/05 18:30:00.0	24.61
05/28/05 19:30:00.0	24.51
05/28/05 20:30:00.0	24.51
05/28/05 21:30:00.0	24.51
05/28/05 22:30:00.0	24.56
05/28/05 23:30:00.0	24.56
05/29/05 00:30:00.0	24.56
05/29/05 01:30:00.0	24.56
05/29/05 02:30:00.0	24.53
05/29/05 03:30:00.0	24.56
05/29/05 04:30:00.0	24.58
05/29/05 05:30:00.0	24.58
05/29/05 06:30:00.0	24.58
05/29/05 07:30:00.0	24.58
05/29/05 08:30:00.0	24.65
05/29/05 09:30:00.0	24.75
05/29/05 10:30:00.0	24.85
05/29/05 11:30:00.0	24.94
05/29/05 12:30:00.0	24.80
05/29/05 13:30:00.0	24.80
05/29/05 14:30:00.0	24.85

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
05/29/05 15:30:00.0	24.80
05/29/05 16:30:00.0	24.73
05/29/05 17:30:00.0	24.63
05/29/05 18:30:00.0	24.61
05/29/05 19:30:00.0	24.56
05/29/05 20:30:00.0	24.56
05/29/05 21:30:00.0	24.56
05/29/05 22:30:00.0	24.53
05/29/05 23:30:00.0	24.56
05/30/05 00:30:00.0	24.56
05/30/05 01:30:00.0	24.61
05/30/05 02:30:00.0	24.61
05/30/05 03:30:00.0	24.68
05/30/05 04:30:00.0	24.70
05/30/05 05:30:00.0	24.73
05/30/05 06:30:00.0	24.77
05/30/05 07:30:00.0	24.77
05/30/05 08:30:00.0	24.70
05/30/05 09:30:00.0	24.56
05/30/05 10:30:00.0	24.46
05/30/05 11:30:00.0	24.34
05/30/05 12:30:00.0	24.51
05/30/05 13:30:00.0	24.53
05/30/05 14:30:00.0	24.61
05/30/05 15:30:00.0	24.68
05/30/05 16:30:00.0	24.68
05/30/05 17:30:00.0	24.63
05/30/05 18:30:00.0	24.61
05/30/05 19:30:00.0	24.58
05/30/05 20:30:00.0	24.63
05/30/05 21:30:00.0	24.65
05/30/05 22:30:00.0	24.70
05/30/05 23:30:00.0	24.75
05/31/05 00:30:00.0	24.77
05/31/05 01:30:00.0	24.90
05/31/05 02:30:00.0	24.90
05/31/05 03:30:00.0	24.77
05/31/05 04:30:00.0	24.70
05/31/05 05:30:00.0	24.80
05/31/05 06:30:00.0	24.87
05/31/05 07:30:00.0	24.94
05/31/05 08:30:00.0	24.97
05/31/05 09:30:00.0	25.09
05/31/05 10:30:00.0	25.21
05/31/05 11:30:00.0	25.21
05/31/05 12:30:00.0	25.09
05/31/05 13:30:00.0	25.19
05/31/05 14:30:00.0	25.14
05/31/05 15:30:00.0	25.28
05/31/05 16:30:00.0	25.23
05/31/05 17:30:00.0	25.11
05/31/05 18:30:00.0	25.04
05/31/05 19:30:00.0	24.99
05/31/05 20:30:00.0	25.02
05/31/05 21:30:00.0	25.02
05/31/05 22:30:00.0	25.04
05/31/05 23:30:00.0	25.04
06/01/05 00:30:00.0	24.80
06/01/05 01:30:00.0	24.85
06/01/05 02:30:00.0	24.87
06/01/05 03:30:00.0	24.87
06/01/05 04:30:00.0	24.70
06/01/05 05:30:00.0	24.68

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
06/01/05 06:30:00.0	24.65
06/01/05 07:30:00.0	24.70
06/01/05 08:30:00.0	24.82
06/01/05 09:30:00.0	24.94
06/01/05 10:30:00.0	25.02
06/01/05 11:30:00.0	25.11
06/01/05 12:30:00.0	25.14
06/01/05 13:30:00.0	25.02
06/01/05 14:30:00.0	24.90
06/01/05 15:30:00.0	24.92
06/01/05 16:30:00.0	25.04
06/01/05 17:30:00.0	24.97
06/01/05 18:30:00.0	24.94
06/01/05 19:30:00.0	24.90
06/01/05 20:30:00.0	24.90
06/01/05 21:30:00.0	24.90
06/01/05 22:30:00.0	24.90
06/01/05 23:30:00.0	24.92
06/02/05 00:30:00.0	24.92
06/02/05 01:30:00.0	24.94
06/02/05 02:30:00.0	24.70
06/02/05 03:30:00.0	24.56
06/02/05 04:30:00.0	24.51
06/02/05 05:30:00.0	24.36
06/02/05 06:30:00.0	24.36
06/02/05 07:30:00.0	24.41
06/02/05 08:30:00.0	24.46
06/02/05 09:30:00.0	24.56
06/02/05 10:30:00.0	24.63
06/02/05 11:30:00.0	24.80
06/02/05 12:30:00.0	24.90
06/02/05 13:30:00.0	25.02
06/02/05 14:30:00.0	25.07
06/02/05 15:30:00.0	25.11
06/02/05 16:30:00.0	25.11
06/02/05 17:30:00.0	25.07
06/02/05 18:30:00.0	25.07
06/02/05 19:30:00.0	24.85
06/02/05 20:30:00.0	24.75
06/02/05 21:30:00.0	24.70
06/02/05 22:30:00.0	24.56
06/02/05 23:30:00.0	24.39
06/03/05 00:30:00.0	24.36
06/03/05 01:30:00.0	24.27
06/03/05 02:30:00.0	24.20
06/03/05 03:30:00.0	24.10
06/03/05 04:30:00.0	24.07
06/03/05 05:30:00.0	24.10
06/03/05 06:30:00.0	24.10
06/03/05 07:30:00.0	24.12
06/03/05 08:30:00.0	24.20
06/03/05 09:30:00.0	24.29
06/03/05 10:30:00.0	24.34
06/03/05 11:30:00.0	24.51
06/03/05 12:30:00.0	24.58
06/03/05 13:30:00.0	24.68
06/03/05 14:30:00.0	24.73
06/03/05 15:30:00.0	24.63
06/03/05 16:30:00.0	24.73
06/03/05 17:30:00.0	24.63
06/03/05 18:30:00.0	24.61
06/03/05 19:30:00.0	24.56
06/03/05 20:30:00.0	24.61

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
06/03/05 21:30:00.0	24.46
06/03/05 22:30:00.0	24.44
06/03/05 23:30:00.0	24.44
06/04/05 00:30:00.0	24.44
06/04/05 01:30:00.0	24.51
06/04/05 02:30:00.0	24.51
06/04/05 03:30:00.0	24.39
06/04/05 04:30:00.0	24.29
06/04/05 05:30:00.0	24.24
06/04/05 06:30:00.0	24.24
06/04/05 07:30:00.0	24.29
06/04/05 08:30:00.0	24.34
06/04/05 09:30:00.0	24.44
06/04/05 10:30:00.0	24.48
06/04/05 11:30:00.0	24.61
06/04/05 12:30:00.0	24.73
06/04/05 13:30:00.0	24.85
06/04/05 14:30:00.0	24.87
06/04/05 15:30:00.0	24.92
06/04/05 16:30:00.0	24.92
06/04/05 17:30:00.0	24.90
06/04/05 18:30:00.0	24.87
06/04/05 19:30:00.0	24.87
06/04/05 20:30:00.0	24.87
06/04/05 21:30:00.0	24.90
06/04/05 22:30:00.0	24.94
06/04/05 23:30:00.0	25.02
06/05/05 00:30:00.0	24.70
06/05/05 01:30:00.0	24.63
06/05/05 02:30:00.0	24.58
06/05/05 03:30:00.0	24.61
06/05/05 04:30:00.0	24.63
06/05/05 05:30:00.0	24.63
06/05/05 06:30:00.0	24.65
06/05/05 07:30:00.0	24.75
06/05/05 08:30:00.0	24.82
06/05/05 09:30:00.0	24.82
06/05/05 10:30:00.0	24.94
06/05/05 11:30:00.0	25.09
06/05/05 12:30:00.0	25.14
06/05/05 13:30:00.0	25.19
06/05/05 14:30:00.0	25.28
06/05/05 15:30:00.0	25.28
06/05/05 16:30:00.0	25.09
06/05/05 17:30:00.0	25.11
06/05/05 18:30:00.0	25.09
06/05/05 19:30:00.0	25.07
06/05/05 20:30:00.0	25.07
06/05/05 21:30:00.0	25.09
06/05/05 22:30:00.0	25.11
06/05/05 23:30:00.0	25.14
06/06/05 00:30:00.0	25.23
06/06/05 01:30:00.0	25.23
06/06/05 02:30:00.0	25.36
06/06/05 03:30:00.0	25.33
06/06/05 04:30:00.0	25.36
06/06/05 05:30:00.0	25.43
06/06/05 06:30:00.0	25.33
06/06/05 07:30:00.0	25.38
06/06/05 08:30:00.0	25.53
06/06/05 09:30:00.0	25.77
06/06/05 10:30:00.0	25.48
06/06/05 11:30:00.0	25.26

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data May 11, 2005 - June 8, 2005	
Date/Time	Temp (ºC)
06/06/05 12:30:00.0	25.26
06/06/05 13:30:00.0	25.23
06/06/05 14:30:00.0	25.28
06/06/05 15:30:00.0	25.28
06/06/05 16:30:00.0	25.33
06/06/05 17:30:00.0	25.33
06/06/05 18:30:00.0	25.36
06/06/05 19:30:00.0	25.36
06/06/05 20:30:00.0	25.38
06/06/05 21:30:00.0	25.38
06/06/05 22:30:00.0	25.40
06/06/05 23:30:00.0	25.43
06/07/05 00:30:00.0	25.45
06/07/05 01:30:00.0	25.48
06/07/05 02:30:00.0	25.50
06/07/05 03:30:00.0	25.53
06/07/05 04:30:00.0	25.50
06/07/05 05:30:00.0	25.45
06/07/05 06:30:00.0	25.48
06/07/05 07:30:00.0	25.48
06/07/05 08:30:00.0	25.50
06/07/05 09:30:00.0	25.55
06/07/05 10:30:00.0	25.60
06/07/05 11:30:00.0	25.65
06/07/05 12:30:00.0	25.67
06/07/05 13:30:00.0	25.72
06/07/05 14:30:00.0	25.74
06/07/05 15:30:00.0	25.77
06/07/05 16:30:00.0	25.77
06/07/05 17:30:00.0	25.72
06/07/05 18:30:00.0	25.60
06/07/05 19:30:00.0	25.48
06/07/05 20:30:00.0	25.48
06/07/05 21:30:00.0	25.48
06/07/05 22:30:00.0	25.48
06/07/05 23:30:00.0	25.48
06/08/05 00:30:00.0	25.50
06/08/05 01:30:00.0	25.57
06/08/05 02:30:00.0	25.60
06/08/05 03:30:00.0	25.67
06/08/05 04:30:00.0	25.67
06/08/05 05:30:00.0	25.67
06/08/05 06:30:00.0	25.72
06/08/05 07:30:00.0	25.70
06/08/05 08:30:00.0	25.67
06/08/05 09:30:00.0	25.67
06/08/05 10:30:00.0	25.72
06/08/05 11:30:00.0	25.53
06/08/05 12:30:00.0	25.57
06/08/05 13:30:00.0	25.57
06/08/05 14:30:00.0	25.60
06/08/05 15:30:00.0	25.60
06/08/05 16:30:00.0	28.59

Appendix 5
Water Quality Data

East Flower Garden Bank										
Vertical Profile										
June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	28.31	49.397	32.21	5.88	40	15.15	0.460	8.00	561.1	3.5
6/8/2005	29.68	48.166	31.27	6.45	39	15.40	0.64	8.08	853.5	-1.2
6/8/2005	28.83	48.836	31.78	6.58	39	15.49	0.695	8.06	442.8	-1.1
6/8/2005	28.31	49.400	32.21	5.88	40	16.30	1.255	7.99	379.7	0.7
6/8/2005	28.31	49.398	32.21	5.89	40	16.33	1.274	7.99	309.0	0.7
6/8/2005	28.31	49.403	32.21	5.88	40	16.40	1.32	8.00	209.1	0.7
6/8/2005	28.67	48.983	31.89	6.61	39	16.45	1.357	8.05	288.4	-0.9
6/8/2005	28.41	49.121	32.00	6.60	40	16.48	1.376	7.87	567.8	1.0
6/8/2005	28.42	49.125	32.01	6.57	40	16.48	1.378	7.90	539.0	1.2
6/8/2005	28.42	49.124	32.00	6.60	40	16.48	1.379	7.89	749.0	1.1
6/8/2005	28.42	49.123	32.00	6.60	40	16.52	1.404	7.87	407.0	1.1
6/8/2005	28.45	49.112	32.00	6.51	40	16.52	1.405	7.93	378.9	0.0
6/8/2005	28.41	49.120	32.00	6.60	40	16.53	1.412	7.85	392.6	1.0
6/8/2005	28.41	49.122	32.00	6.60	40	16.53	1.414	7.86	431.0	1.0
6/8/2005	28.41	49.131	32.01	6.60	40	16.54	1.417	7.88	579.4	1.1
6/8/2005	28.61	49.030	31.93	6.29	39	16.54	1.422	8.03	571.6	-0.7
6/8/2005	28.44	49.119	32.00	6.57	40	16.54	1.423	7.92	505.0	0.1
6/8/2005	28.40	49.112	32.00	6.57	40	16.55	1.423	7.83	491.7	0.9
6/8/2005	28.50	49.090	31.98	6.51	40	16.55	1.424	7.97	647.5	-0.3
6/8/2005	28.43	49.124	32.00	6.57	40	16.55	1.425	7.90	262.4	0.3
6/8/2005	28.47	49.102	31.99	6.51	40	16.56	1.43	7.95	570.5	-0.2
6/8/2005	28.41	49.120	32.00	6.60	40	16.56	1.433	7.85	680.9	1.0
6/8/2005	28.47	49.104	31.99	6.51	40	16.56	1.434	7.94	228.6	-0.1
6/8/2005	28.41	49.118	32.00	6.59	40	16.57	1.443	7.84	1111.4	1.0
6/8/2005	28.43	49.128	32.01	6.57	40	16.57	1.444	7.91	416.5	0.1
6/8/2005	28.40	49.127	32.01	6.61	40	16.58	1.45	7.86	644.1	1.0
6/8/2005	28.40	49.119	32.00	6.57	40	16.59	1.455	7.83	474.4	0.9
6/8/2005	28.52	49.084	31.97	6.30	40	16.60	1.458	7.98	744.9	-0.4
6/8/2005	28.40	49.123	32.01	6.60	40	16.60	1.458	7.84	375.7	0.9
6/8/2005	28.56	49.069	31.96	6.30	40	16.60	1.463	8.02	519.7	-0.7
6/8/2005	28.54	49.075	31.97	6.30	40	16.60	1.463	8.00	456.0	-0.5
6/8/2005	28.41	49.118	32.00	6.59	40	16.60	1.464	7.83	575.5	0.9
6/8/2005	28.40	49.113	32.00	6.57	40	16.62	1.473	7.83	338.6	0.9
6/8/2005	28.41	49.120	32.00	6.59	40	16.62	1.474	7.84	292.2	1.0
6/8/2005	28.40	49.117	32.00	6.57	40	16.64	1.486	7.83	614.9	0.9
6/8/2005	28.39	49.109	31.99	6.67	40	16.64	1.487	7.82	559.7	0.9
6/8/2005	28.39	49.118	32.00	6.67	40	16.67	1.51	7.83	402.8	0.9
6/8/2005	28.40	49.116	32.00	6.67	40	16.74	1.557	7.82	356.3	0.9
6/8/2005	28.39	49.113	32.00	6.67	40	16.78	1.589	7.82	442.4	0.9
6/8/2005	28.39	49.118	32.00	6.67	40	16.92	1.685	7.82	431.2	0.9
6/8/2005	28.28	49.428	32.23	5.91	40	16.93	1.69	7.98	252.4	0.7
6/8/2005	28.28	49.421	32.23	5.91	40	16.97	1.715	7.98	253.5	0.7
6/8/2005	28.38	49.124	32.01	6.67	40	16.99	1.731	7.82	800.1	0.9
6/8/2005	28.30	49.406	32.22	5.91	40	17.01	1.744	7.99	295.1	0.7
6/8/2005	28.27	49.438	32.24	5.92	40	17.03	1.754	7.98	154.0	0.7
6/8/2005	28.30	49.406	32.22	5.90	40	17.04	1.76	7.99	377.1	0.7
6/8/2005	28.28	49.418	32.22	5.91	40	17.04	1.764	7.98	202.1	0.7
6/8/2005	28.29	49.409	32.22	5.91	40	17.06	1.774	7.99	385.3	0.7
6/8/2005	28.25	49.452	32.25	5.92	40	17.07	1.783	7.98	194.1	0.7
6/8/2005	28.31	49.403	32.21	5.90	40	17.07	1.783	7.99	429.5	0.7
6/8/2005	28.39	49.122	32.00	6.67	40	17.08	1.79	7.82	267.7	0.9
6/8/2005	28.30	49.409	32.22	5.90	40	17.09	1.799	7.99	323.7	0.7
6/8/2005	28.31	49.404	32.21	5.90	40	17.09	1.8	7.99	342.0	0.7
6/8/2005	28.31	49.402	32.21	5.89	40	17.11	1.811	7.99	469.9	0.7
6/8/2005	28.25	49.462	32.26	5.92	40	17.15	1.835	7.97	214.3	0.7
6/8/2005	28.39	49.126	32.01	6.67	40	17.16	1.846	7.82	186.4	0.9
6/8/2005	28.31	49.403	32.21	5.89	40	17.21	1.881	7.99	318.9	0.7
6/8/2005	28.31	49.398	32.21	5.89	40	17.22	1.887	7.99	222.4	0.7
6/8/2005	28.38	49.131	32.01	6.66	40	17.27	1.927	7.82	289.2	0.9
6/8/2005	28.38	49.138	32.02	6.66	40	17.45	2.046	7.82	383.2	0.9
6/8/2005	28.38	49.134	32.01	6.66	40	17.59	2.143	7.82	230.1	0.9
6/8/2005	28.38	49.137	32.02	6.66	40	17.69	2.21	7.82	252.4	0.9

Appendix 5
Water Quality Data

East Flower Garden Bank Vertical Profile June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	28.24	49.476	32.27	5.93	40	17.71	2.223	7.97	178.2	0.6
6/8/2005	28.38	49.139	32.02	6.66	40	17.76	2.264	7.82	238.4	0.9
6/8/2005	28.37	49.145	32.02	6.66	40	17.83	2.307	7.82	400.6	0.9
6/8/2005	28.36	49.150	32.03	6.66	40	18.20	2.568	7.81	386.3	0.9
6/8/2005	28.23	49.492	32.28	5.93	40	18.25	2.594	7.97	143.4	0.6
6/8/2005	28.34	49.170	32.04	6.67	40	18.31	2.644	7.81	335.2	0.8
6/8/2005	28.35	49.161	32.03	6.66	40	18.47	2.753	7.81	338.3	0.9
6/8/2005	28.33	49.181	32.05	6.67	40	18.57	2.822	7.81	213.2	0.8
6/8/2005	28.37	49.143	32.02	6.66	40	18.69	2.904	7.82	360.0	0.9
6/8/2005	28.34	49.173	32.04	6.67	40	18.70	2.912	7.81	358.8	0.8
6/8/2005	28.35	49.157	32.03	6.66	40	18.71	2.92	7.81	590.9	0.9
6/8/2005	28.36	49.147	32.02	6.66	40	18.79	2.971	7.81	398.4	0.9
6/8/2005	28.35	49.156	32.03	6.66	40	18.89	3.043	7.81	539.6	0.9
6/8/2005	28.21	49.513	32.30	5.93	40	19.07	3.164	7.96	133.9	0.6
6/8/2005	28.34	49.166	32.04	6.67	40	19.18	3.238	7.81	636.2	0.8
6/8/2005	28.32	49.296	32.13	6.66	41	19.25	3.287	7.81	226.2	0.7
6/8/2005	28.33	49.222	32.08	6.67	40	19.25	3.292	7.81	233.8	0.8
6/8/2005	28.34	49.174	32.04	6.67	40	19.26	3.3	7.81	513.6	0.8
6/8/2005	28.33	49.183	32.05	6.67	40	19.37	3.373	7.81	231.1	0.8
6/8/2005	28.32	49.282	32.12	6.66	41	19.44	3.421	7.81	399.3	0.8
6/8/2005	28.31	49.337	32.16	6.66	40	19.56	3.502	7.80	328.7	0.7
6/8/2005	28.34	49.178	32.05	6.67	40	19.59	3.527	7.81	308.8	0.8
6/8/2005	28.31	49.340	32.17	6.66	40	19.62	3.546	7.80	310.6	0.7
6/8/2005	28.21	49.532	32.31	5.93	40	19.71	3.601	7.96	132.1	0.6
6/8/2005	28.33	49.254	32.10	6.66	40	19.91	3.745	7.81	247.9	0.8
6/8/2005	28.32	49.311	32.14	6.66	41	19.94	3.763	7.80	486.8	0.7
6/8/2005	28.31	49.358	32.18	6.66	40	20.22	3.961	7.80	289.8	0.7
6/8/2005	28.32	49.324	32.15	6.66	41	20.23	3.964	7.80	264.9	0.7
6/8/2005	28.31	49.362	32.18	6.66	40	20.26	3.986	7.80	312.5	0.7
6/8/2005	28.30	49.360	32.18	6.66	40	20.29	4.004	7.80	214.7	0.7
6/8/2005	28.30	49.367	32.19	6.66	40	20.34	4.04	7.80	322.4	0.7
6/8/2005	28.29	49.373	32.19	6.66	40	20.42	4.093	7.80	270.8	0.7
6/8/2005	28.31	49.346	32.17	6.66	40	20.42	4.097	7.80	205.9	0.7
6/8/2005	28.30	49.372	32.19	6.66	40	20.43	4.1	7.80	447.4	0.7
6/8/2005	28.31	49.352	32.17	6.66	40	20.44	4.109	7.80	235.2	0.7
6/8/2005	28.29	49.376	32.19	6.66	40	20.44	4.113	7.80	360.3	0.7
6/8/2005	28.29	49.378	32.19	6.67	40	20.60	4.219	7.80	310.3	0.7
6/8/2005	28.29	49.378	32.19	6.67	40	20.61	4.229	7.80	334.6	0.7
6/8/2005	28.29	49.380	32.20	6.67	40	20.64	4.245	7.80	236.7	0.7
6/8/2005	28.20	49.555	32.33	5.94	40	20.68	4.274	7.96	106.9	0.6
6/8/2005	28.29	49.383	32.20	6.67	40	20.69	4.285	7.80	290.6	0.7
6/8/2005	28.29	49.384	32.20	6.67	40	20.73	4.311	7.80	339.4	0.7
6/8/2005	28.28	49.388	32.20	6.67	40	20.76	4.328	7.80	408.1	0.7
6/8/2005	28.28	49.390	32.20	6.67	40	20.76	4.329	7.80	292.3	0.7
6/8/2005	28.29	49.383	32.20	6.67	40	20.76	4.331	7.80	198.8	0.7
6/8/2005	28.27	49.397	32.21	6.67	40	20.83	4.376	7.80	343.5	0.7
6/8/2005	28.28	49.394	32.21	6.67	40	20.91	4.434	7.80	238.4	0.7
6/8/2005	28.28	49.390	32.20	6.67	40	20.91	4.434	7.80	418.0	0.7
6/8/2005	28.28	49.387	32.20	6.66	40	20.99	4.487	7.80	286.8	0.7
6/8/2005	28.28	49.386	32.20	6.66	40	20.99	4.491	7.80	265.8	0.7
6/8/2005	28.28	49.392	32.21	6.66	40	21.11	4.571	7.80	285.1	0.7
6/8/2005	28.28	49.389	32.20	6.66	40	21.25	4.669	7.80	213.7	0.7
6/8/2005	28.28	49.392	32.21	6.66	40	21.27	4.681	7.80	265.0	0.7
6/8/2005	28.27	49.396	32.21	6.66	40	21.30	4.701	7.80	216.4	0.7
6/8/2005	28.26	49.404	32.21	6.66	41	21.40	4.769	7.80	261.5	0.7
6/8/2005	28.26	49.402	32.21	6.66	41	21.48	4.829	7.80	278.9	0.7
6/8/2005	28.20	49.583	32.35	5.94	40	21.51	4.843	7.95	109.8	0.6
6/8/2005	28.26	49.406	32.22	6.66	41	21.59	4.904	7.80	353.6	0.7
6/8/2005	28.26	49.410	32.22	6.66	41	21.68	4.968	7.80	223.3	0.7
6/8/2005	28.25	49.416	32.22	6.66	40	21.70	4.981	7.80	232.4	0.7
6/8/2005	28.25	49.413	32.22	6.66	40	21.77	5.03	7.80	311.7	0.7
6/8/2005	28.25	49.416	32.22	6.66	40	21.86	5.087	7.80	334.1	0.7

Appendix 5
Water Quality Data

East Flower Garden Bank										
Vertical Profile										
June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	28.25	49.420	32.23	6.66	40	21.90	5.116	7.80	329.7	0.7
6/8/2005	28.24	49.426	32.23	6.66	41	22.01	5.195	7.80	309.4	0.7
6/8/2005	28.23	49.464	32.26	6.66	40	22.10	5.258	7.80	314.8	0.7
6/8/2005	28.25	49.431	32.24	6.66	41	22.13	5.277	7.80	186.1	0.7
6/8/2005	28.25	49.427	32.23	6.66	41	22.14	5.281	7.80	251.1	0.7
6/8/2005	28.24	49.435	32.24	6.66	41	22.16	5.293	7.80	232.4	0.7
6/8/2005	28.24	49.442	32.24	6.66	40	22.26	5.365	7.80	424.5	0.7
6/8/2005	28.19	49.619	32.37	5.94	40	22.34	5.42	7.95	92.9	0.6
6/8/2005	28.24	49.447	32.25	6.66	40	22.36	5.431	7.80	253.5	0.7
6/8/2005	28.23	49.491	32.28	6.65	40	22.36	5.431	7.80	256.5	0.7
6/8/2005	28.23	49.504	32.29	6.65	40	22.36	5.435	7.80	165.9	0.7
6/8/2005	28.24	49.443	32.24	6.66	40	22.37	5.441	7.80	172.2	0.7
6/8/2005	28.24	49.447	32.25	6.66	40	22.39	5.456	7.80	156.5	0.7
6/8/2005	28.23	49.450	32.25	6.66	40	22.42	5.478	7.80	300.3	0.7
6/8/2005	28.24	49.462	32.26	6.66	40	22.44	5.486	7.80	224.8	0.7
6/8/2005	28.24	49.458	32.25	6.66	40	22.93	5.83	7.80	351.2	0.7
6/8/2005	28.23	49.517	32.30	6.65	41	23.10	5.941	7.80	209.7	0.7
6/8/2005	28.23	49.521	32.30	6.65	41	23.13	5.967	7.80	226.0	0.7
6/8/2005	28.24	49.456	32.25	6.66	40	23.20	6.013	7.80	256.1	0.7
6/8/2005	28.22	49.523	32.30	6.64	41	23.22	6.029	7.80	311.9	0.7
6/8/2005	28.23	49.486	32.28	6.65	40	23.24	6.042	7.80	301.3	0.7
6/8/2005	28.20	49.633	32.38	5.94	40	23.27	6.063	7.95	61.5	0.6
6/8/2005	28.22	49.528	32.31	6.65	41	23.30	6.085	7.80	202.4	0.7
6/8/2005	27.82	49.974	32.65	6.08	40	23.35	6.11	7.91	124.7	0.6
6/8/2005	28.24	49.446	32.25	6.66	40	23.34	6.113	7.80	320.5	0.7
6/8/2005	28.19	49.641	32.39	5.96	40	23.35	6.114	7.95	74.1	0.6
6/8/2005	28.15	49.680	32.42	5.99	40	23.37	6.127	7.94	106.1	0.6
6/8/2005	28.22	49.524	32.30	6.64	41	23.39	6.146	7.80	264.6	0.7
6/8/2005	27.74	50.082	32.73	6.09	40	23.40	6.147	7.91	148.5	0.6
6/8/2005	28.19	49.651	32.40	5.96	40	23.40	6.148	7.95	94.6	0.6
6/8/2005	28.21	49.680	32.42	6.63	40	23.42	6.165	7.81	208.4	0.6
6/8/2005	28.18	49.661	32.41	5.96	40	23.43	6.17	7.95	94.9	0.6
6/8/2005	28.16	49.665	32.41	5.99	40	23.44	6.174	7.94	110.1	0.6
6/8/2005	27.90	49.892	32.58	6.07	40	23.44	6.176	7.92	153.0	0.6
6/8/2005	28.13	49.705	32.44	5.99	40	23.44	6.179	7.94	128.8	0.6
6/8/2005	28.05	49.766	32.49	6.04	40	23.45	6.183	7.93	117.2	0.6
6/8/2005	28.18	49.668	32.41	5.96	40	23.46	6.188	7.94	95.2	0.6
6/8/2005	28.17	49.671	32.41	5.99	40	23.48	6.205	7.94	91.5	0.6
6/8/2005	28.22	49.539	32.31	6.64	41	23.50	6.221	7.80	209.8	0.7
6/8/2005	28.09	49.732	32.46	6.04	40	23.53	6.236	7.93	115.1	0.6
6/8/2005	28.22	49.584	32.35	6.64	40	23.52	6.237	7.81	161.4	0.7
6/8/2005	28.01	49.809	32.52	6.05	40	23.54	6.243	7.92	151.4	0.6
6/8/2005	28.22	49.568	32.34	6.64	41	23.56	6.259	7.80	188.1	0.7
6/8/2005	28.22	49.583	32.35	6.64	40	23.56	6.261	7.81	187.5	0.7
6/8/2005	27.96	49.844	32.55	6.06	40	23.57	6.263	7.92	109.4	0.6
6/8/2005	28.12	49.723	32.45	6.03	40	23.58	6.273	7.93	101.0	0.6
6/8/2005	28.22	49.510	32.29	6.65	41	23.60	6.29	7.80	404.0	0.7
6/8/2005	28.23	49.501	32.29	6.65	40	23.61	6.295	7.80	229.9	0.7
6/8/2005	27.64	50.285	32.88	6.07	40	23.63	6.303	7.90	167.8	0.7
6/8/2005	28.21	49.629	32.38	6.64	40	23.68	6.345	7.81	226.6	0.7
6/8/2005	28.22	49.603	32.36	6.64	40	23.69	6.347	7.80	340.9	0.7
6/8/2005	28.22	49.623	32.38	6.64	40	23.69	6.352	7.80	215.5	0.7
6/8/2005	28.20	49.666	32.41	6.63	40	23.78	6.411	7.81	318.9	0.6
6/8/2005	28.23	49.490	32.28	6.65	40	23.83	6.449	7.80	251.8	0.7
6/8/2005	28.19	49.990	32.65	6.61	40	23.94	6.518	7.81	225.0	0.6
6/8/2005	28.24	49.466	32.26	6.66	40	24.03	6.589	7.80	292.3	0.7
6/8/2005	28.17	49.912	32.59	6.61	40	24.21	6.708	7.81	197.2	0.6
6/8/2005	28.21	49.676	32.42	6.63	40	24.35	6.804	7.80	207.8	0.6
6/8/2005	27.55	50.757	33.23	6.07	40	24.50	6.897	7.90	140.1	0.7
6/8/2005	28.20	49.794	32.50	6.62	40	24.49	6.904	7.81	194.6	0.6
6/8/2005	28.21	49.784	32.49	6.62	40	24.54	6.937	7.81	198.6	0.6
6/8/2005	28.20	49.818	32.52	6.61	40	24.57	6.958	7.81	253.1	0.6

Appendix 5
Water Quality Data

East Flower Garden Bank										
Vertical Profile										
June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	28.21	49.637	32.39	6.63	40	24.59	6.971	7.80	317.2	0.7
6/8/2005	28.20	49.781	32.49	6.62	40	24.60	6.979	7.81	187.4	0.6
6/8/2005	28.20	49.900	32.58	6.61	40	24.66	7.017	7.81	185.0	0.6
6/8/2005	28.21	49.747	32.47	6.62	40	24.69	7.038	7.81	166.8	0.6
6/8/2005	28.19	49.849	32.54	6.61	40	24.69	7.042	7.81	179.6	0.6
6/8/2005	28.19	49.910	32.59	6.61	40	24.70	7.044	7.81	241.4	0.6
6/8/2005	28.21	49.667	32.41	6.63	40	24.71	7.053	7.81	169.9	0.6
6/8/2005	28.20	49.886	32.57	6.61	40	24.73	7.064	7.81	169.4	0.6
6/8/2005	28.17	49.863	32.55	6.61	40	24.75	7.077	7.81	196.7	0.6
6/8/2005	28.21	49.707	32.44	6.63	40	24.77	7.096	7.81	282.4	0.6
6/8/2005	28.15	50.283	32.86	6.58	40	24.79	7.101	7.81	176.0	0.6
6/8/2005	28.18	49.945	32.61	6.61	40	24.87	7.165	7.81	212.6	0.6
6/8/2005	28.16	50.325	32.89	6.59	40	24.90	7.182	7.81	177.8	0.6
6/8/2005	28.19	50.019	32.67	6.61	40	24.95	7.215	7.81	166.9	0.6
6/8/2005	28.17	50.059	32.70	6.60	40	24.99	7.244	7.81	220.1	0.6
6/8/2005	28.18	50.520	33.04	6.59	40	25.18	7.369	7.81	185.1	0.6
6/8/2005	27.47	51.705	33.93	6.06	40	25.21	7.378	7.89	202.8	0.6
6/8/2005	28.15	50.394	32.94	6.58	40	25.25	7.421	7.81	124.6	0.6
6/8/2005	28.14	50.389	32.94	6.58	40	25.26	7.428	7.81	174.3	0.6
6/8/2005	28.17	50.061	32.70	6.60	40	25.33	7.48	7.81	192.5	0.6
6/8/2005	28.11	50.420	32.96	6.57	40	25.35	7.485	7.81	176.7	0.6
6/8/2005	28.13	50.982	33.38	6.56	40	25.42	7.53	7.81	206.5	0.6
6/8/2005	28.15	50.369	32.93	6.58	40	25.44	7.552	7.81	182.4	0.6
6/8/2005	28.15	50.257	32.84	6.59	40	25.47	7.573	7.81	230.5	0.6
6/8/2005	28.15	50.394	32.94	6.58	40	25.54	7.616	7.81	224.5	0.6
6/8/2005	28.17	49.937	32.61	6.60	40	25.56	7.634	7.81	308.4	0.6
6/8/2005	28.17	49.990	32.65	6.60	40	25.60	7.667	7.81	257.3	0.6
6/8/2005	28.14	50.431	32.97	6.57	40	25.64	7.689	7.81	161.0	0.6
6/8/2005	28.19	49.953	32.62	6.61	40	25.70	7.734	7.81	270.7	0.6
6/8/2005	28.17	50.273	32.85	6.59	40	25.71	7.736	7.81	235.5	0.6
6/8/2005	28.15	50.382	32.93	6.58	40	25.78	7.784	7.81	238.4	0.6
6/8/2005	28.10	51.327	33.63	6.54	40	25.80	7.788	7.81	259.1	0.6
6/8/2005	28.17	50.099	32.73	6.60	40	25.80	7.802	7.81	213.0	0.6
6/8/2005	27.41	52.596	34.59	6.05	40	25.88	7.829	7.88	190.8	0.7
6/8/2005	28.05	51.419	33.70	6.54	40	25.95	7.889	7.81	224.3	0.6
6/8/2005	28.15	50.287	32.87	6.58	40	26.07	7.988	7.81	181.0	0.6
6/8/2005	28.08	51.249	33.57	6.55	40	26.11	8.001	7.81	248.2	0.6
6/8/2005	28.18	49.986	32.64	6.61	40	26.11	8.02	7.81	258.3	0.6
6/8/2005	28.00	52.386	34.42	6.52	40	26.22	8.069	7.80	198.4	0.6
6/8/2005	28.10	51.862	34.03	6.53	40	26.44	8.224	7.81	217.4	0.6
6/8/2005	28.04	51.421	33.70	6.54	40	26.48	8.259	7.81	199.8	0.6
6/8/2005	28.14	51.406	33.69	6.54	40	26.51	8.279	7.81	235.5	0.6
6/8/2005	28.06	51.382	33.67	6.54	40	26.56	8.31	7.81	238.4	0.6
6/8/2005	28.11	50.796	33.24	6.55	40	26.55	8.311	7.81	169.8	0.6
6/8/2005	27.98	52.358	34.40	6.52	40	26.59	8.323	7.80	163.0	0.6
6/8/2005	28.02	52.515	34.51	6.51	40	26.62	8.34	7.81	151.3	0.6
6/8/2005	28.07	51.234	33.56	6.54	40	26.60	8.343	7.81	197.4	0.6
6/8/2005	27.91	52.540	34.53	6.52	41	26.63	8.346	7.80	191.5	0.6
6/8/2005	27.93	52.526	34.52	6.52	41	26.68	8.385	7.80	188.9	0.6
6/8/2005	27.87	52.815	34.74	6.52	40	26.74	8.419	7.80	241.1	0.6
6/8/2005	27.85	52.823	34.74	6.52	40	26.94	8.56	7.80	213.8	0.6
6/8/2005	27.36	54.203	35.78	6.02	40	27.05	8.616	7.87	146.5	0.6
6/8/2005	28.03	51.534	33.79	6.54	40	27.05	8.649	7.81	219.2	0.6
6/8/2005	27.97	52.375	34.41	6.51	40	27.14	8.701	7.80	174.0	0.6
6/8/2005	27.76	53.187	35.02	6.52	40	27.23	8.756	7.79	170.4	0.6
6/8/2005	27.79	53.152	34.99	6.52	40	27.29	8.8	7.79	213.4	0.6
6/8/2005	27.75	53.216	35.04	6.52	40	27.34	8.831	7.79	184.0	0.6
6/8/2005	27.95	52.471	34.48	6.51	41	27.37	8.863	7.80	189.7	0.6
6/8/2005	27.73	53.281	35.09	6.52	40	27.42	8.884	7.79	163.5	0.6
6/8/2005	27.73	53.297	35.10	6.52	40	27.47	8.917	7.79	200.0	0.6
6/8/2005	27.72	53.344	35.13	6.52	40	27.54	8.964	7.79	181.7	0.6
6/8/2005	27.63	53.652	35.37	6.53	40	27.56	8.976	7.79	236.4	0.6

Appendix 5
Water Quality Data

East Flower Garden Bank Vertical Profile June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	27.64	53.655	35.37	6.53	40	27.57	8.982	7.79	199.2	0.6
6/8/2005	27.56	53.894	35.55	6.52	40	27.60	9.003	7.78	194.7	0.6
6/8/2005	27.90	52.555	34.55	6.52	41	27.65	9.051	7.80	269.7	0.6
6/8/2005	27.67	53.591	35.32	6.52	40	27.73	9.097	7.78	171.3	0.6
6/8/2005	27.88	52.709	34.66	6.52	40	27.72	9.101	7.80	202.9	0.6
6/8/2005	27.55	53.925	35.57	6.52	40	27.77	9.117	7.78	190.6	0.6
6/8/2005	27.81	53.047	34.91	6.52	40	27.83	9.171	7.79	150.4	0.6
6/8/2005	27.83	52.884	34.79	6.52	40	27.90	9.216	7.80	242.6	0.6
6/8/2005	27.58	53.854	35.52	6.51	40	27.93	9.227	7.78	248.0	0.6
6/8/2005	27.36	54.237	35.81	6.02	40	28.38	9.532	7.87	101.4	0.6
6/8/2005	27.54	53.955	35.59	6.51	40	28.44	9.581	7.78	182.9	0.6
6/8/2005	27.48	54.090	35.70	6.52	40	28.45	9.586	7.78	175.5	0.6
6/8/2005	27.48	54.097	35.70	6.52	40	28.48	9.606	7.78	175.5	0.6
6/8/2005	27.50	54.068	35.68	6.52	40	28.55	9.654	7.78	181.0	0.6
6/8/2005	27.48	54.109	35.71	6.52	40	28.65	9.722	7.77	188.3	0.6
6/8/2005	27.51	54.044	35.66	6.52	40	28.66	9.725	7.78	136.2	0.6
6/8/2005	27.60	53.787	35.47	6.51	40	28.69	9.753	7.78	178.0	0.6
6/8/2005	27.53	53.992	35.62	6.51	40	28.70	9.759	7.78	159.9	0.6
6/8/2005	27.52	54.017	35.64	6.51	40	28.71	9.76	7.78	261.8	0.6
6/8/2005	27.62	53.714	35.41	6.53	40	28.70	9.762	7.78	158.1	0.6
6/8/2005	27.47	54.122	35.72	6.51	40	28.77	9.806	7.77	136.1	0.6
6/8/2005	27.24	54.303	35.86	6.00	40	29.06	10	7.85	159.1	0.6
6/8/2005	27.27	54.288	35.85	6.00	40	29.50	10.301	7.85	164.0	0.6
6/8/2005	27.14	54.349	35.90	5.97	40	29.52	10.314	7.84	184.6	0.6
6/8/2005	27.35	54.245	35.82	6.02	40	29.60	10.375	7.87	111.1	0.6
6/8/2005	27.32	54.262	35.83	6.01	40	29.67	10.42	7.85	160.0	0.6
6/8/2005	27.34	54.248	35.82	6.02	40	29.67	10.421	7.86	94.9	0.6
6/8/2005	27.34	54.248	35.82	6.01	40	29.72	10.454	7.86	103.1	0.6
6/8/2005	27.33	54.253	35.82	6.01	40	29.75	10.477	7.86	116.1	0.6
6/8/2005	27.35	54.242	35.81	6.02	40	29.75	10.477	7.87	109.4	0.6
6/8/2005	27.34	54.249	35.82	6.02	40	29.79	10.5	7.86	104.2	0.6
6/8/2005	26.97	54.398	35.94	5.92	40	29.84	10.533	7.83	169.8	0.6
6/8/2005	27.35	54.242	35.81	6.02	40	29.86	10.55	7.86	102.9	0.6
6/8/2005	27.08	54.374	35.92	5.97	40	29.88	10.564	7.84	178.2	0.6
6/8/2005	27.35	54.244	35.81	6.02	40	29.91	10.583	7.86	94.1	0.6
6/8/2005	27.03	54.390	35.93	5.98	40	30.04	10.674	7.83	187.0	0.6
6/8/2005	27.22	54.312	35.87	6.01	40	30.08	10.702	7.84	171.4	0.6
6/8/2005	27.18	54.328	35.88	5.96	40	30.18	10.772	7.84	152.1	0.6
6/8/2005	27.31	54.266	35.83	6.01	40	30.21	10.792	7.85	127.5	0.6
6/8/2005	27.29	54.275	35.84	6.00	40	30.58	11.044	7.85	185.9	0.6
6/8/2005	26.91	54.391	35.94	5.93	40	30.75	11.161	7.82	164.4	0.6
6/8/2005	27.34	54.225	35.80	6.47	40	31.37	11.588	7.78	63.1	0.6
6/8/2005	27.34	54.228	35.80	6.47	40	31.37	11.589	7.78	64.4	0.6
6/8/2005	27.34	54.230	35.80	6.47	40	31.39	11.601	7.78	66.5	0.6
6/8/2005	27.33	54.240	35.81	6.47	40	31.51	11.685	7.78	69.2	0.6
6/8/2005	27.34	54.228	35.80	6.47	40	31.60	11.752	7.78	62.4	0.6
6/8/2005	27.33	54.236	35.81	6.47	40	31.62	11.765	7.78	67.9	0.6
6/8/2005	27.31	54.247	35.82	6.46	40	31.76	11.86	7.78	93.6	0.6
6/8/2005	27.31	54.249	35.82	6.46	40	31.77	11.868	7.78	68.7	0.6
6/8/2005	27.32	54.237	35.81	6.47	40	31.78	11.871	7.78	67.8	0.6
6/8/2005	27.32	54.240	35.81	6.46	40	31.82	11.901	7.78	67.5	0.6
6/8/2005	27.31	54.249	35.82	6.46	40	31.91	11.962	7.78	63.3	0.6
6/8/2005	26.85	54.383	35.93	5.94	40	31.94	11.981	7.82	140.2	0.6
6/8/2005	27.30	54.252	35.82	6.45	40	32.06	12.068	7.78	66.8	0.6
6/8/2005	27.30	54.247	35.82	6.44	40	32.07	12.071	7.78	74.9	0.6
6/8/2005	27.30	54.246	35.82	6.45	40	32.09	12.087	7.78	70.3	0.6
6/8/2005	27.30	54.253	35.82	6.45	40	32.11	12.099	7.78	72.8	0.6
6/8/2005	27.29	54.253	35.82	6.44	40	32.12	12.108	7.78	74.2	0.6
6/8/2005	27.27	54.255	35.83	6.43	40	32.15	12.127	7.78	73.0	0.6
6/8/2005	27.29	54.256	35.83	6.44	40	32.28	12.214	7.78	73.2	0.6
6/8/2005	27.25	54.266	35.83	6.43	40	32.45	12.335	7.78	74.5	0.6
6/8/2005	27.25	54.259	35.83	6.42	40	32.46	12.34	7.78	73.5	0.6

Appendix 5
Water Quality Data

East Flower Garden Bank Vertical Profile June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 μeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	26.82	54.360	35.92	5.94	40	32.73	12.523	7.82	156.6	0.6
6/8/2005	27.24	54.264	35.83	6.42	40	32.77	12.55	7.78	69.2	0.6
6/8/2005	27.29	54.256	35.83	6.44	40	32.82	12.59	7.78	57.0	0.6
6/8/2005	27.29	54.255	35.82	6.44	40	32.99	12.708	7.78	58.7	0.6
6/8/2005	27.27	54.257	35.83	6.43	40	33.01	12.716	7.78	71.2	0.6
6/8/2005	27.27	54.260	35.83	6.43	40	33.16	12.823	7.78	74.7	0.6
6/8/2005	27.24	54.267	35.84	6.42	40	33.28	12.905	7.78	70.6	0.6
6/8/2005	27.28	54.257	35.83	6.43	40	33.36	12.96	7.78	72.3	0.6
6/8/2005	27.22	54.268	35.84	6.41	40	33.46	13.031	7.78	67.3	0.6
6/8/2005	26.80	54.331	35.90	5.87	40	33.48	13.034	7.81	135.6	0.6
6/8/2005	27.20	54.275	35.84	6.41	40	33.54	13.083	7.78	65.4	0.6
6/8/2005	27.22	54.265	35.83	6.41	40	33.54	13.085	7.78	65.8	0.6
6/8/2005	27.23	54.263	35.83	6.41	40	33.55	13.093	7.78	69.7	0.6
6/8/2005	27.25	54.258	35.83	6.42	40	33.58	13.111	7.78	72.2	0.6
6/8/2005	27.20	54.273	35.84	6.41	40	33.63	13.146	7.78	63.7	0.6
6/8/2005	27.25	54.268	35.84	6.43	40	33.63	13.148	7.78	74.6	0.6
6/8/2005	27.21	54.261	35.83	6.41	40	33.64	13.148	7.78	65.6	0.6
6/8/2005	27.27	54.252	35.82	6.42	40	33.64	13.152	7.78	74.9	0.6
6/8/2005	27.22	54.260	35.83	6.41	40	33.66	13.164	7.78	65.1	0.6
6/8/2005	27.23	54.266	35.83	6.42	40	33.70	13.192	7.78	70.0	0.6
6/8/2005	27.17	54.275	35.84	6.40	40	33.71	13.196	7.78	64.7	0.6
6/8/2005	27.18	54.258	35.83	6.40	40	33.73	13.213	7.78	62.4	0.6
6/8/2005	27.19	54.256	35.83	6.41	40	33.80	13.259	7.78	62.0	0.6
6/8/2005	27.17	54.265	35.84	6.40	40	33.87	13.313	7.78	67.5	0.6
6/8/2005	27.16	54.258	35.83	6.40	40	33.93	13.352	7.78	68.8	0.6
6/8/2005	27.15	54.259	35.83	6.40	40	33.98	13.384	7.78	70.5	0.6
6/8/2005	27.14	54.262	35.83	6.40	40	34.13	13.488	7.78	70.4	0.6
6/8/2005	27.12	54.261	35.83	6.40	40	34.17	13.517	7.78	72.4	0.6
6/8/2005	27.13	54.258	35.83	6.40	40	34.17	13.519	7.78	72.4	0.6
6/8/2005	27.11	54.266	35.84	6.39	40	34.25	13.573	7.78	71.0	0.6
6/8/2005	27.09	54.275	35.85	6.39	40	34.34	13.635	7.78	72.0	0.6
6/8/2005	27.09	54.271	35.84	6.39	40	34.49	13.737	7.78	72.3	0.6
6/8/2005	26.78	54.302	35.87	5.87	40	34.60	13.811	7.81	123.0	0.6
6/8/2005	27.08	54.264	35.84	6.39	40	34.66	13.854	7.78	71.8	0.6
6/8/2005	27.07	54.265	35.84	6.39	40	34.71	13.888	7.78	72.3	0.6
6/8/2005	27.05	54.274	35.85	6.39	40	34.79	13.941	7.78	70.2	0.6
6/8/2005	26.77	54.287	35.86	5.87	40	35.27	14.272	7.81	157.2	0.6
6/8/2005	27.03	54.269	35.84	6.38	40	35.35	14.325	7.78	63.6	0.6
6/8/2005	27.01	54.272	35.85	6.38	40	35.38	14.348	7.78	62.7	0.6
6/8/2005	27.04	54.264	35.84	6.39	40	35.49	14.424	7.78	65.7	0.6
6/8/2005	26.52	54.410	35.96	5.10	38	35.68	14.549	7.76	135.5	0.6
6/8/2005	26.56	54.408	35.96	5.09	39	35.70	14.561	7.77	155.5	0.6
6/8/2005	27.00	54.281	35.85	6.37	40	35.74	14.592	7.78	65.3	0.6
6/8/2005	27.05	54.267	35.84	6.39	40	35.84	14.663	7.78	68.3	0.6
6/8/2005	27.02	54.265	35.84	6.38	40	35.90	14.705	7.78	60.3	0.6
6/8/2005	27.02	54.275	35.85	6.38	40	35.93	14.728	7.78	61.3	0.6
6/8/2005	26.72	54.309	35.88	5.36	39	36.00	14.769	7.79	127.9	0.6
6/8/2005	26.70	54.323	35.89	5.37	39	36.00	14.773	7.79	124.8	0.6
6/8/2005	26.73	54.300	35.87	5.36	39	36.09	14.834	7.79	122.5	0.6
6/8/2005	26.76	54.292	35.87	5.77	39	36.15	14.875	7.80	128.1	0.6
6/8/2005	26.93	54.241	35.82	6.38	40	36.20	14.911	7.77	105.8	0.6
6/8/2005	26.74	54.293	35.87	5.61	39	36.21	14.916	7.79	147.3	0.6
6/8/2005	26.76	54.286	35.86	5.77	39	36.21	14.918	7.80	137.0	0.6
6/8/2005	26.68	54.335	35.90	5.37	39	36.22	14.922	7.78	147.3	0.6
6/8/2005	26.94	54.246	35.83	6.38	40	36.24	14.938	7.77	107.7	0.6
6/8/2005	26.75	54.292	35.87	5.61	39	36.25	14.947	7.80	133.2	0.6
6/8/2005	26.77	54.285	35.86	5.77	39	36.27	14.955	7.80	127.2	0.6
6/8/2005	26.78	54.277	35.86	5.87	39	36.29	14.969	7.80	150.6	0.6
6/8/2005	26.98	54.253	35.83	6.38	40	36.29	14.976	7.77	115.9	0.6
6/8/2005	26.99	54.256	35.83	6.38	40	36.30	14.979	7.78	88.1	0.6
6/8/2005	26.76	54.283	35.86	5.61	39	36.30	14.981	7.80	132.6	0.6
6/8/2005	26.76	54.281	35.86	5.61	39	36.31	14.987	7.80	140.4	0.6

Appendix 5
Water Quality Data

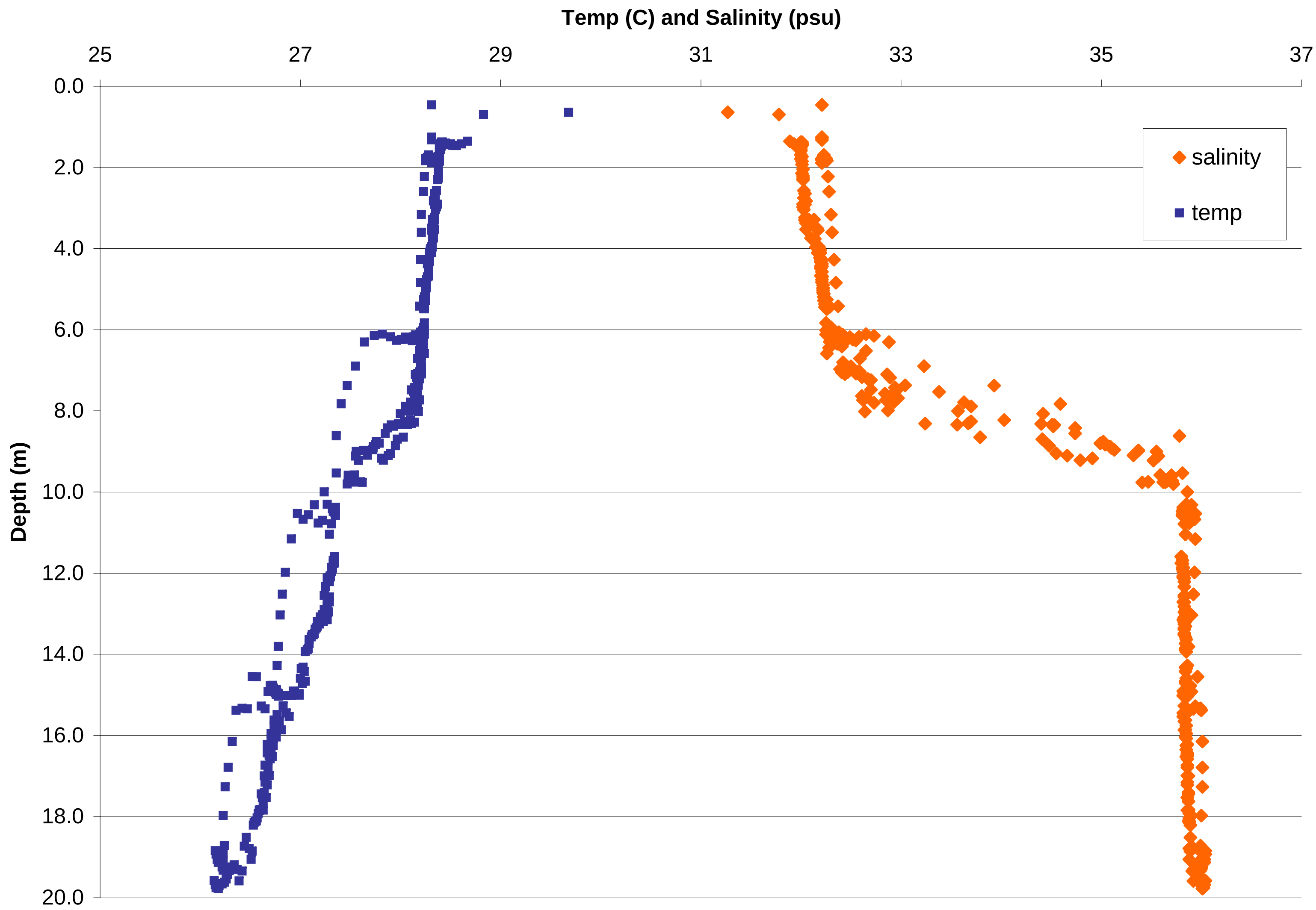
East Flower Garden Bank Vertical Profile June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	26.96	54.253	35.83	6.37	40	36.32	14.992	7.77	113.4	0.6
6/8/2005	26.99	54.280	35.85	6.38	40	36.34	15.008	7.78	88.5	0.6
6/8/2005	26.91	54.240	35.82	6.38	40	36.36	15.018	7.77	111.5	0.6
6/8/2005	26.85	54.234	35.82	6.38	40	36.36	15.023	7.76	116.6	0.6
6/8/2005	26.78	54.277	35.86	5.77	39	36.38	15.037	7.80	109.8	0.6
6/8/2005	26.83	54.242	35.83	6.38	40	36.73	15.274	7.76	114.0	0.6
6/8/2005	26.61	54.382	35.94	5.09	39	36.74	15.28	7.78	133.7	0.6
6/8/2005	26.42	54.444	35.99	5.06	38	36.82	15.332	7.75	148.6	0.6
6/8/2005	26.65	54.354	35.92	5.08	39	36.84	15.348	7.78	133.3	0.6
6/8/2005	26.47	54.426	35.98	5.06	38	36.85	15.35	7.76	119.4	0.6
6/8/2005	26.36	54.460	36.00	5.07	38	36.89	15.378	7.74	117.9	0.7
6/8/2005	26.86	54.237	35.82	6.37	40	36.98	15.446	7.77	126.3	0.6
6/8/2005	26.77	54.251	35.84	6.37	40	37.04	15.489	7.76	100.4	0.6
6/8/2005	26.89	54.234	35.82	6.37	40	37.11	15.535	7.77	99.5	0.6
6/8/2005	26.74	54.260	35.84	6.36	40	37.24	15.627	7.76	118.1	0.6
6/8/2005	26.79	54.243	35.83	6.37	40	37.27	15.648	7.76	110.6	0.6
6/8/2005	26.74	54.261	35.85	6.36	40	37.43	15.756	7.76	96.9	0.6
6/8/2005	26.79	54.250	35.84	6.37	40	37.58	15.858	7.76	108.7	0.6
6/8/2005	26.81	54.247	35.83	6.36	40	37.59	15.867	7.76	100.7	0.6
6/8/2005	26.71	54.270	35.85	6.35	40	37.72	15.955	7.76	110.0	0.6
6/8/2005	26.76	54.256	35.84	6.35	40	37.85	16.044	7.76	101.1	0.6
6/8/2005	26.71	54.271	35.85	6.35	40	37.89	16.073	7.76	101.0	0.6
6/8/2005	26.32	54.464	36.01	5.08	38	38.02	16.153	7.72	119.5	0.7
6/8/2005	26.67	54.282	35.86	6.33	40	38.11	16.224	7.76	109.6	0.6
6/8/2005	26.73	54.264	35.85	6.36	40	38.15	16.25	7.76	104.3	0.6
6/8/2005	26.71	54.272	35.85	6.35	40	38.30	16.352	7.76	94.9	0.6
6/8/2005	26.67	54.282	35.86	6.33	40	38.41	16.432	7.76	119.5	0.6
6/8/2005	26.69	54.275	35.86	6.34	40	38.47	16.468	7.76	128.8	0.6
6/8/2005	26.69	54.278	35.86	6.34	40	38.52	16.507	7.76	106.7	0.6
6/8/2005	26.72	54.266	35.85	6.35	40	38.55	16.527	7.76	100.9	0.6
6/8/2005	26.70	54.273	35.86	6.34	40	38.63	16.579	7.76	104.8	0.6
6/8/2005	26.65	54.280	35.86	6.32	39	38.85	16.734	7.75	120.6	0.6
6/8/2005	26.28	54.468	36.01	5.19	38	38.94	16.79	7.71	113.6	0.7
6/8/2005	26.68	54.274	35.86	6.33	40	38.94	16.792	7.76	132.9	0.6
6/8/2005	26.69	54.276	35.86	6.34	40	39.23	16.993	7.76	110.8	0.6
6/8/2005	26.64	54.286	35.87	6.32	39	39.23	16.997	7.75	121.0	0.6
6/8/2005	26.65	54.280	35.86	6.32	39	39.46	17.152	7.76	119.4	0.6
6/8/2005	26.67	54.282	35.86	6.33	40	39.57	17.225	7.76	109.4	0.6
6/8/2005	26.25	54.462	36.01	5.19	38	39.64	17.268	7.69	112.0	0.7
6/8/2005	26.64	54.287	35.87	6.31	39	39.83	17.404	7.75	118.4	0.6
6/8/2005	26.61	54.285	35.87	6.29	40	39.88	17.442	7.75	117.7	0.6
6/8/2005	26.66	54.278	35.86	6.32	40	40.02	17.535	7.76	103.1	0.6
6/8/2005	26.62	54.282	35.86	6.31	40	40.02	17.535	7.75	119.0	0.6
6/8/2005	26.63	54.290	35.87	6.31	40	40.15	17.628	7.75	119.9	0.6
6/8/2005	26.60	54.292	35.87	6.29	40	40.44	17.826	7.75	116.9	0.6
6/8/2005	26.63	54.283	35.86	6.31	40	40.46	17.84	7.75	118.7	0.6
6/8/2005	26.59	54.292	35.87	6.30	40	40.46	17.84	7.74	116.5	0.6
6/8/2005	26.59	54.288	35.87	6.30	40	40.49	17.857	7.75	115.4	0.6
6/8/2005	26.58	54.296	35.88	6.26	40	40.59	17.926	7.74	112.8	0.6
6/8/2005	26.23	54.447	36.00	5.20	38	40.67	17.977	7.68	112.7	0.6
6/8/2005	26.57	54.300	35.88	6.27	40	40.75	18.04	7.74	114.9	0.6
6/8/2005	26.56	54.294	35.87	6.27	40	40.85	18.109	7.74	114.9	0.6
6/8/2005	26.55	54.296	35.88	6.27	40	40.87	18.117	7.74	114.4	0.6
6/8/2005	26.54	54.302	35.88	6.22	40	40.91	18.149	7.73	115.5	0.6
6/8/2005	26.53	54.312	35.89	6.22	39	41.00	18.212	7.73	114.4	0.6
6/8/2005	26.46	54.315	35.89	6.16	39	41.45	18.519	7.70	113.3	0.6
6/8/2005	26.24	54.435	35.99	5.20	38	41.75	18.72	7.67	101.4	0.6
6/8/2005	26.44	54.323	35.90	6.16	39	41.76	18.73	7.70	111.1	0.6
6/8/2005	26.49	54.303	35.88	6.16	39	41.84	18.785	7.71	112.9	0.6
6/8/2005	26.15	54.501	36.04	5.50	39	41.93	18.845	7.68	126.5	0.6
6/8/2005	26.52	54.311	35.89	6.22	39	41.94	18.857	7.73	113.6	0.6
6/8/2005	26.23	54.443	35.99	5.48	38	41.95	18.861	7.67	117.5	0.6

Appendix 5
Water Quality Data

East Flower Garden Bank										
Vertical Profile										
June 8, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity PPT	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinsteins/sec*m^2	Turbidity (NTU)
6/8/2005	26.16	54.498	36.04	5.50	39	42.06	18.93	7.67	99.8	0.6
6/8/2005	26.21	54.458	36.01	5.48	39	42.18	19.02	7.67	115.8	0.6
6/8/2005	26.51	54.302	35.88	6.22	39	42.22	19.053	7.72	114.6	0.6
6/8/2005	26.17	54.491	36.03	5.54	39	42.24	19.057	7.67	108.7	0.6
6/8/2005	26.20	54.469	36.02	5.53	39	42.25	19.064	7.67	99.5	0.6
6/8/2005	26.23	54.442	35.99	5.31	38	42.26	19.075	7.67	110.3	0.6
6/8/2005	26.19	54.471	36.02	5.53	39	42.34	19.126	7.67	109.6	0.6
6/8/2005	26.18	54.484	36.03	5.54	39	42.35	19.129	7.67	122.6	0.6
6/8/2005	26.34	54.362	35.93	6.06	39	42.43	19.193	7.68	110.5	0.6
6/8/2005	26.32	54.380	35.95	6.06	39	42.51	19.248	7.68	110.8	0.6
6/8/2005	26.22	54.445	36.00	5.48	38	42.52	19.248	7.67	99.9	0.6
6/8/2005	26.24	54.436	35.99	5.31	38	42.53	19.255	7.67	97.8	0.6
6/8/2005	26.23	54.445	36.00	5.32	38	42.56	19.281	7.67	101.2	0.6
6/8/2005	26.37	54.352	35.92	6.06	39	42.60	19.308	7.69	110.1	0.6
6/8/2005	26.23	54.437	35.99	5.31	38	42.63	19.328	7.67	104.1	0.6
6/8/2005	26.29	54.398	35.96	5.81	39	42.64	19.333	7.67	110.2	0.6
6/8/2005	26.42	54.333	35.91	6.17	39	42.66	19.349	7.69	109.9	0.6
6/8/2005	26.27	54.417	35.97	5.82	39	42.79	19.436	7.67	111.9	0.6
6/8/2005	26.26	54.422	35.98	5.82	39	42.94	19.541	7.67	109.2	0.6
6/8/2005	26.14	54.501	36.04	5.50	39	43.00	19.581	7.68	103.8	0.6
6/8/2005	26.39	54.342	35.92	6.05	39	43.00	19.587	7.69	110.0	0.6
6/8/2005	26.24	54.429	35.98	5.82	39	43.06	19.624	7.68	110.4	0.6
6/8/2005	26.21	54.455	36.00	5.48	38	43.10	19.648	7.67	107.3	0.6
6/8/2005	26.22	54.440	35.99	5.62	39	43.12	19.661	7.68	108.5	0.6
6/8/2005	26.15	54.486	36.03	5.50	39	43.15	19.681	7.69	105.3	0.6
6/8/2005	26.19	54.456	36.01	5.62	39	43.19	19.71	7.68	108.9	0.6
6/8/2005	26.16	54.473	36.02	5.62	39	43.25	19.754	7.69	104.5	0.6
6/8/2005	26.18	54.463	36.01	5.62	39	43.28	19.775	7.69	106.8	0.6

Appendix 5
Water Quality Data

Water column profile of the East Flower Garden Bank 6.8.05



Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/8/2005	16:30:28	24.74	0.019	0.01	104.2	8.65	39	15.04	-0.007	5.69	2.9	20.5	12.3
6/8/2005	17:00:28	28.28	0.020	0.01	106.2	8.27	39	15.04	-0.009	6.81	15.3	19.1	12.3
6/8/2005	17:30:28	27.84	0.020	0.01	106.3	8.34	39	15.04	-0.004	7.03	18.8	18.9	12.3
6/8/2005	18:00:28	27.09	0.023	0.01	104.4	8.31	38	15.05	-0.002	7.32	24.0	115.2	12.3
6/8/2005	18:30:28	27.21	0.023	0.01	103.0	8.18	38	15.05	-0.002	7.47	40.1	90.1	12.3
6/8/2005	19:00:28	27.31	0.023	0.01	102.5	8.12	38	15.05	-0.002	7.57	30.7	87.8	12.3
6/8/2005	19:30:28	27.44	0.023	0.01	102.1	8.07	38	15.04	-0.004	7.47	47.8	88.8	12.3
6/8/2005	20:00:28	27.34	0.023	0.01	102.0	8.08	38	15.04	-0.005	7.32	36.4	87.0	12.3
6/8/2005	20:30:28	26.70	0.023	0.01	103.1	8.26	38	15.04	-0.003	7.49	62.4	162.0	12.3
6/8/2005	21:00:28	30.04	0.017	0.01	119.8	9.05	40	15.04	-0.005	6.26	1203.0	-2.6	12.3
6/8/2005	21:30:28	26.04	54.674	36.17	118.9	7.86	42	48.61	23.085	8.19	78.5	0.5	12.3
6/8/2005	22:00:28	25.99	54.712	36.20	113.7	7.52	42	48.57	23.052	8.29	64.5	0.5	12.3
6/8/2005	22:30:28	25.99	54.707	36.20	112.8	7.46	41	48.51	23.013	8.32	19.1	0.6	12.3
6/8/2005	23:00:27	26.00	54.695	36.19	112.0	7.41	41	48.46	22.981	8.34	36.7	0.6	12.3
6/8/2005	23:30:28	26.00	54.663	36.16	112.3	7.43	41	48.40	22.938	8.34	25.8	0.5	12.3
6/9/2005	0:00:28	26.01	54.645	36.15	110.7	7.32	41	48.34	22.896	8.35	14.1	0.5	12.3
6/9/2005	0:30:28	26.02	54.629	36.14	108.8	7.20	41	48.27	22.850	8.34	5.7	0.5	12.3
6/9/2005	1:00:28	26.02	54.619	36.13	108.0	7.15	40	48.21	22.810	8.35	1.4	0.6	12.3
6/9/2005	1:30:28	26.04	54.606	36.12	105.1	6.95	40	48.19	22.794	8.34	0.1	0.5	12.3
6/9/2005	2:00:28	26.05	54.608	36.12	105.1	6.95	40	48.17	22.783	8.34	0.1	0.6	12.3
6/9/2005	2:30:28	26.06	54.605	36.12	100.7	6.66	40	48.16	22.772	8.32	0.1	0.5	12.3
6/9/2005	3:00:28	26.07	54.602	36.12	94.0	6.22	39	48.14	22.759	8.30	0.1	0.5	12.3
6/9/2005	3:30:28	26.10	54.594	36.11	94.0	6.21	39	48.14	22.758	8.30	0.1	0.5	12.3
6/9/2005	4:00:28	26.11	54.591	36.11	92.4	6.11	39	48.16	22.778	8.30	0.1	0.5	12.3
6/9/2005	4:30:28	26.15	54.573	36.09	92.0	6.07	39	48.19	22.798	8.30	0.1	0.5	12.3
6/9/2005	5:00:28	26.18	54.567	36.09	88.4	5.83	38	48.24	22.831	8.29	0.1	0.5	12.3
6/9/2005	5:30:28	26.16	54.568	36.09	87.1	5.75	38	48.28	22.859	8.28	0.1	0.4	12.3
6/9/2005	6:00:28	26.26	54.514	36.05	83.3	5.49	37	48.32	22.888	8.28	0.1	0.5	12.3
6/9/2005	6:30:28	26.23	54.538	36.07	83.6	5.51	37	48.39	22.935	8.28	0.1	0.5	12.3
6/9/2005	7:00:28	26.19	54.551	36.08	80.0	5.28	37	48.46	22.981	8.26	0.1	0.5	12.3
6/9/2005	7:30:28	26.21	54.533	36.06	77.5	5.11	37	48.54	23.038	8.26	0.1	0.5	12.3
6/9/2005	8:00:28	26.27	54.503	36.04	79.3	5.23	37	48.62	23.092	8.28	0.1	0.5	12.3
6/9/2005	8:30:28	26.26	54.506	36.04	77.4	5.10	37	48.69	23.143	8.26	0.1	0.5	12.3
6/9/2005	9:00:28	26.25	54.515	36.05	75.1	4.95	36	48.77	23.197	8.26	0.1	0.4	12.3
6/9/2005	9:30:28	26.29	54.499	36.03	75.6	4.98	36	48.83	23.242	8.27	0.1	0.5	12.3
6/9/2005	10:00:28	26.34	54.526	36.05	82.4	5.43	37	48.88	23.271	8.30	0.1	0.5	12.3
6/9/2005	10:30:28	26.33	54.644	36.14	93.4	6.14	37	48.92	23.302	8.34	0.1	0.5	12.3
6/9/2005	11:00:28	26.32	54.654	36.15	92.8	6.10	37	48.99	23.346	8.33	0.1	0.5	12.3
6/9/2005	11:30:27	26.34	54.663	36.16	91.6	6.02	37	49.03	23.376	8.33	2.0	0.5	12.3
6/9/2005	12:00:28	26.34	54.666	36.16	92.4	6.08	37	49.05	23.389	8.33	6.9	0.5	12.3
6/9/2005	12:30:28	26.35	54.669	36.16	91.0	5.99	37	49.11	23.428	8.33	15.4	0.5	12.3
6/9/2005	13:00:28	26.33	54.676	36.17	96.2	6.33	37	49.12	23.436	8.34	30.7	0.5	12.3
6/9/2005	13:30:28	26.22	54.680	36.17	95.8	6.31	37	49.12	23.438	8.34	16.8	0.5	12.3
6/9/2005	14:00:28	25.90	54.684	36.18	92.4	6.12	37	49.13	23.443	8.32	50.3	0.5	12.3
6/9/2005	14:30:28	25.84	54.686	36.19	94.8	6.29	37	49.11	23.423	8.33	63.0	0.5	12.3
6/9/2005	15:00:28	25.87	54.685	36.18	95.0	6.30	37	49.12	23.433	8.33	78.7	0.5	12.3
6/9/2005	15:30:28	25.89	54.391	35.96	97.5	6.47	37	49.12	23.435	8.34	86.9	0.5	12.3
6/9/2005	16:00:28	25.89	54.684	36.18	98.5	6.53	37	49.10	23.422	8.34	97.6	0.5	12.3
6/9/2005	16:30:28	25.83	54.686	36.19	98.3	6.52	37	49.07	23.396	8.34	104.3	0.6	12.3
6/9/2005	17:00:28	25.83	54.686	36.19	99.7	6.62	37	49.05	23.382	8.34	115.8	0.4	12.3
6/9/2005	17:30:28	25.85	54.689	36.19	100.9	6.69	37	49.02	23.362	8.35	116.6	0.5	12.3
6/9/2005	18:00:28	25.89	54.690	36.19	102.6	6.80	37	48.99	23.342	8.35	122.1	0.5	12.3
6/9/2005	18:30:28	25.88	54.689	36.19	102.2	6.78	37	48.97	23.331	8.35	43.4	0.5	12.3
6/9/2005	19:00:28	25.82	54.685	36.19	101.2	6.71	37	48.93	23.300	8.35	117.4	0.6	12.3
6/9/2005	19:30:28	25.83	54.690	36.19	102.9	6.83	37	48.87	23.257	8.35	110.9	0.5	12.3
6/9/2005	20:00:28	25.85	54.690	36.19	104.7	6.94	38	48.83	23.233	8.35	104.2	0.5	12.3
6/9/2005	20:30:28	25.86	54.682	36.18	106.0	7.03	37	48.79	23.206	8.35	66.8	0.4	12.3
6/9/2005	21:00:28	25.83	54.696	36.19	106.7	7.08	38	48.74	23.173	8.36	86.8	0.5	12.3
6/9/2005	21:30:28	25.86	54.697	36.19	106.3	7.05	37	48.68	23.127	8.36	76.2	0.5	12.3
6/9/2005	22:00:28	25.88	54.697	36.19	107.7	7.14	37	48.65	23.108	8.36	72.1	0.5	12.3
6/9/2005	22:30:28	25.91	54.697	36.19	108.6	7.20	37	48.60	23.075	8.36	42.5	0.5	12.3
6/9/2005	23:00:27	25.91	54.698	36.19	109.0	7.22	37	48.52	23.022	8.37	38.9	0.5	12.3
6/9/2005	23:30:28	25.92	54.701	36.20	106.7	7.07	37	48.47	22.985	8.36	26.5	0.5	12.3
6/10/2005	0:00:28	25.92	54.699	36.19	104.9	6.95	37	48.41	22.944	8.35	9.1	0.6	12.3
6/10/2005	0:30:28	25.93	54.698	36.19	104.3	6.91	37	48.34	22.896	8.35	6.6	0.5	12.3

Appendix 5
Water Quality Data

East Flower Garden Bank June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/10/2005	1:00:28	25.94	54.694	36.19	101.4	6.71	37	48.32	22.881	8.34	1.5	0.5	12.3
6/10/2005	1:30:28	25.95	54.694	36.19	101.4	6.71	36	48.27	22.849	8.34	0.1	0.5	12.3
6/10/2005	2:00:28	25.97	54.690	36.19	95.2	6.30	36	48.21	22.808	8.32	0.1	0.6	12.3
6/10/2005	2:30:28	25.95	54.691	36.19	94.5	6.26	36	48.18	22.788	8.32	0.1	0.5	12.3
6/10/2005	3:00:28	25.99	54.682	36.18	82.4	5.45	35	48.17	22.782	8.28	0.1	0.5	12.3
6/10/2005	3:30:28	25.99	54.686	36.18	82.5	5.46	35	48.16	22.773	8.28	0.1	0.5	12.3
6/10/2005	4:00:28	26.00	54.684	36.18	80.9	5.35	33	48.14	22.760	8.27	0.1	0.6	12.3
6/10/2005	4:30:28	26.02	54.677	36.17	77.9	5.15	33	48.16	22.770	8.27	0.1	0.5	12.3
6/10/2005	5:00:28	26.01	54.681	36.18	76.6	5.06	35	48.16	22.774	8.26	0.1	0.5	12.3
6/10/2005	5:30:28	26.02	54.683	36.18	76.1	5.03	33	48.20	22.801	8.26	0.1	0.5	12.3
6/10/2005	6:00:28	26.06	54.669	36.17	74.9	4.95	33	48.24	22.828	8.25	0.1	0.6	12.3
6/10/2005	6:30:28	26.07	54.665	36.16	73.2	4.84	33	48.27	22.851	8.25	0.1	0.6	12.2
6/10/2005	7:00:28	26.11	54.652	36.15	71.2	4.70	33	48.34	22.901	8.24	0.1	0.5	12.3
6/10/2005	7:30:28	26.12	54.654	36.15	69.6	4.60	33	48.42	22.954	8.24	0.1	0.5	12.2
6/10/2005	8:00:28	26.12	54.649	36.15	64.5	4.26	33	48.49	22.999	8.21	0.1	0.5	12.3
6/10/2005	8:30:28	26.16	54.641	36.14	67.1	4.43	33	48.55	23.043	8.23	0.1	0.5	12.3
6/10/2005	9:00:28	26.20	54.624	36.13	67.2	4.43	33	48.63	23.099	8.23	0.1	0.5	12.3
6/10/2005	9:30:28	26.21	54.595	36.11	84.4	5.57	35	48.68	23.134	8.32	0.1	0.5	12.2
6/10/2005	10:00:28	25.86	54.674	36.18	85.3	5.65	33	48.75	23.180	8.32	0.1	0.5	12.2
6/10/2005	10:30:28	25.74	54.708	36.20	86.6	5.76	33	48.83	23.235	8.33	0.1	0.6	12.2
6/10/2005	11:00:28	25.76	54.711	36.21	85.5	5.68	35	48.88	23.268	8.34	0.1	0.5	12.3
6/10/2005	11:30:27	25.77	54.708	36.20	84.4	5.61	33	48.95	23.313	8.33	1.9	0.5	12.2
6/10/2005	12:00:28	25.78	54.715	36.21	83.6	5.55	33	48.98	23.333	8.33	7.7	0.5	12.2
6/10/2005	12:30:28	25.78	54.715	36.21	84.1	5.59	33	49.02	23.363	8.33	14.4	0.5	12.2
6/10/2005	13:00:28	25.81	54.708	36.20	84.0	5.58	33	49.05	23.385	8.33	24.5	0.4	12.2
6/10/2005	13:30:28	25.81	54.712	36.21	84.3	5.60	33	49.07	23.396	8.33	30.8	0.5	12.2
6/10/2005	14:00:28	25.82	54.709	36.20	84.4	5.60	33	49.09	23.411	8.33	50.3	0.5	12.2
6/10/2005	14:30:28	25.85	54.704	36.20	86.3	5.72	33	49.10	23.417	8.33	60.7	0.5	12.2
6/10/2005	15:00:28	25.86	54.703	36.20	86.2	5.72	35	49.11	23.423	8.33	79.5	0.5	12.2
6/10/2005	15:30:28	25.88	54.701	36.20	87.9	5.83	33	49.09	23.413	8.34	89.1	0.5	12.2
6/10/2005	16:00:28	25.90	54.703	36.20	89.4	5.93	33	49.09	23.414	8.33	96.6	0.5	12.2
6/10/2005	16:30:28	25.93	54.699	36.19	90.0	5.96	33	49.10	23.417	8.34	92.4	0.5	12.2
6/10/2005	17:00:28	25.96	54.700	36.19	92.0	6.09	35	49.05	23.387	8.34	121.1	0.5	12.2
6/10/2005	17:30:28	26.06	54.688	36.18	95.4	6.31	35	49.02	23.363	8.35	88.9	0.5	12.2
6/10/2005	18:00:28	26.07	54.698	36.19	98.8	6.53	36	49.01	23.361	8.36	138.6	0.6	12.2
6/10/2005	18:30:28	26.09	54.596	36.11	99.9	6.60	36	48.95	23.317	8.36	134.8	0.5	12.2
6/10/2005	19:00:28	26.13	54.694	36.18	102.4	6.76	36	48.93	23.302	8.36	69.1	0.5	12.2
6/10/2005	19:30:28	26.15	54.696	36.19	104.5	6.89	36	48.90	23.284	8.37	117.8	0.5	12.2
6/10/2005	20:00:28	26.15	54.700	36.19	104.9	6.92	36	48.85	23.252	8.37	108.7	0.5	12.2
6/10/2005	20:30:28	26.17	54.697	36.19	106.0	6.99	36	48.80	23.214	8.37	102.5	0.5	12.2
6/10/2005	21:00:28	26.18	54.699	36.19	107.5	7.09	36	48.78	23.199	8.38	89.2	0.4	12.2
6/10/2005	21:30:28	26.19	54.699	36.19	108.5	7.16	36	48.73	23.166	8.38	79.0	0.5	12.2
6/10/2005	22:00:28	26.20	54.696	36.18	108.4	7.14	36	48.66	23.120	8.38	65.0	0.5	12.2
6/10/2005	22:30:28	26.21	54.680	36.17	108.5	7.15	37	48.61	23.084	8.38	51.5	0.6	12.2
6/10/2005	23:00:27	26.05	54.716	36.20	104.1	6.88	36	48.58	23.060	8.39	39.8	0.5	12.2
6/10/2005	23:30:28	25.97	54.737	36.22	102.9	6.81	36	48.50	23.007	8.39	27.5	0.6	12.2
6/11/2005	0:00:28	25.94	54.744	36.23	101.6	6.73	35	48.47	22.983	8.39	16.3	0.5	12.2
6/11/2005	0:30:28	25.95	54.744	36.23	100.6	6.66	36	48.41	22.942	8.39	6.7	0.5	12.2
6/11/2005	1:00:28	25.95	54.746	36.23	96.9	6.42	35	48.36	22.907	8.38	1.6	0.5	12.2
6/11/2005	1:30:28	25.94	54.749	36.23	96.3	6.38	35	48.31	22.875	8.38	0.1	0.5	12.2
6/11/2005	2:00:28	25.96	54.742	36.22	96.6	6.40	35	48.25	22.836	8.38	0.1	0.5	12.2
6/11/2005	2:30:28	25.96	54.746	36.23	93.6	6.20	35	48.21	22.805	8.37	0.1	0.5	12.2
6/11/2005	3:00:28	25.96	54.748	36.23	93.2	6.17	35	48.16	22.772	8.37	0.1	0.5	12.2
6/11/2005	3:30:28	25.95	54.751	36.23	90.6	5.99	35	48.13	22.753	8.36	0.1	0.5	12.2
6/11/2005	4:00:28	25.96	54.754	36.23	88.7	5.87	35	48.14	22.757	8.36	0.1	0.5	12.2
6/11/2005	4:30:28	25.99	54.745	36.23	89.4	5.92	33	48.13	22.754	8.36	0.1	0.5	12.2
6/11/2005	5:00:28	26.00	54.740	36.22	86.1	5.69	33	48.13	22.754	8.35	0.1	0.5	12.2
6/11/2005	5:30:28	25.98	54.747	36.23	84.9	5.62	33	48.16	22.770	8.34	0.1	0.5	12.2
6/11/2005	6:00:28	26.01	54.736	36.22	82.4	5.45	33	48.18	22.788	8.33	0.1	0.5	12.2
6/11/2005	6:30:28	26.01	54.731	36.22	80.6	5.33	33	48.21	22.808	8.33	0.1	0.5	12.2
6/11/2005	7:00:28	26.02	54.717	36.20	78.1	5.16	33	48.25	22.832	8.32	0.1	0.5	12.2
6/11/2005	7:30:28	26.03	54.691	36.18	75.0	4.96	33	48.31	22.875	8.31	0.1	0.5	12.2
6/11/2005	8:00:28	26.03	54.691	36.18	66.4	4.39	33	48.37	22.916	8.28	0.1	0.4	12.2
6/11/2005	8:30:28	26.03	54.676	36.17	70.4	4.65	33	48.41	22.943	8.29	0.1	0.5	12.2
6/11/2005	9:00:28	26.05	54.653	36.16	67.3	4.45	32	48.49	22.999	8.28	0.1	0.4	12.2

<u>**Appendix 5**</u>
<u>**Water Quality Data**</u>

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	**Time**	**Temp C**	**SpCond ms/cm/ sec**	**Sal ppt**	**Dosat %**	**DO Conc mg/L**	**Do chrg**	**Absolute Pressure psi**	**Depth m**	**pH**	**PAR1 µeinst/ sec*m^2**	**Turbidity NTU**	**Battery volts**
6/11/2005	9:30:28	26.04	54.650	36.15	62.1	4.11	32	48.55	23.043	8.26	0.1	0.5	12.2
6/11/2005	10:00:28	26.07	54.609	36.12	62.2	4.11	32	48.61	23.085	8.26	0.1	0.5	12.2
6/11/2005	10:30:28	26.09	54.565	36.09	59.3	3.92	32	48.68	23.135	8.25	0.1	0.5	12.2
6/11/2005	11:00:28	26.09	54.559	36.09	59.8	3.95	32	48.75	23.182	8.26	0.1	0.6	12.2
6/11/2005	11:30:27	26.12	54.514	36.05	60.5	4.00	32	48.77	23.196	8.26	2.2	0.5	12.2
6/11/2005	12:00:28	26.13	54.498	36.04	57.3	3.79	30	48.85	23.253	8.25	7.7	0.5	12.2
6/11/2005	12:30:28	26.14	54.484	36.03	57.9	3.82	30	48.92	23.302	8.25	15.7	0.5	12.2
6/11/2005	13:00:28	26.17	54.452	36.00	58.4	3.86	30	48.97	23.337	8.25	26.1	0.5	12.2
6/11/2005	13:30:28	26.17	54.459	36.01	58.9	3.89	30	49.02	23.367	8.24	36.6	0.6	12.2
6/11/2005	14:00:28	26.22	54.406	35.97	61.5	4.06	32	49.01	23.360	8.25	48.6	0.5	12.2
6/11/2005	14:30:28	26.22	54.425	35.98	63.7	4.21	32	48.92	23.298	8.26	60.1	0.5	12.2
6/11/2005	15:00:28	26.26	54.516	36.05	82.3	5.43	33	49.01	23.361	8.33	72.9	0.6	12.2
6/11/2005	15:30:28	26.12	54.435	35.99	92.6	6.12	35	49.11	23.432	8.37	83.4	0.5	12.2
6/11/2005	16:00:28	25.73	54.263	35.87	98.1	6.53	35	49.09	23.415	8.38	82.9	0.7	12.2
6/11/2005	16:30:28	25.60	54.181	35.82	100.0	6.67	35	48.94	23.314	8.40	84.4	3.6	12.2
6/11/2005	17:00:28	25.39	54.068	35.74	101.9	6.82	35	49.03	23.375	8.41	113.8	1.4	12.2
6/11/2005	17:30:28	25.40	54.060	35.73	102.0	6.83	35	49.61	23.778	8.41	55.7	2.9	12.1
6/11/2005	18:00:28	25.33	54.013	35.70	103.5	6.94	36	49.14	23.454	8.42	115.0	1.3	12.2
6/11/2005	18:30:28	25.33	54.005	35.69	104.2	6.99	36	49.78	23.890	8.42	101.0	2.4	12.1
6/11/2005	19:00:28	25.38	53.986	35.68	104.2	6.99	35	48.86	23.258	8.42	113.9	1.5	12.1
6/11/2005	19:30:28	25.39	53.981	35.67	104.8	7.02	35	48.80	23.217	8.42	111.9	1.4	12.2
6/11/2005	20:00:28	25.43	53.969	35.66	105.2	7.05	36	48.99	23.353	8.42	111.9	1.2	12.2
6/11/2005	20:30:28	25.50	53.942	35.64	105.2	7.04	36	47.85	22.569	8.42	98.9	1.4	12.1
6/11/2005	21:00:28	25.56	53.920	35.62	104.8	7.01	36	49.05	23.391	8.42	80.9	3.4	12.1
6/11/2005	21:30:28	25.64	53.882	35.59	104.6	6.98	36	48.31	22.886	8.42	71.4	1.8	12.1
6/11/2005	22:00:28	25.71	53.836	35.56	103.7	6.92	36	48.58	23.071	8.42	57.2	3.1	12.1
6/11/2005	22:30:28	25.78	53.776	35.51	102.9	6.86	35	48.71	23.163	8.42	48.1	1.2	12.1
6/11/2005	23:00:27	25.83	53.861	35.57	102.1	6.80	36	48.72	23.166	8.42	40.3	0.9	12.1
6/11/2005	23:30:28	25.78	53.934	35.63	101.7	6.77	35	48.88	23.280	8.42	28.1	0.6	12.1
6/12/2005	0:00:28	25.76	53.924	35.62	100.9	6.72	36	48.85	23.254	8.42	16.1	1.0	12.1
6/12/2005	0:30:28	25.73	53.873	35.58	99.3	6.62	35	48.79	23.217	8.42	7.8	0.7	12.1
6/12/2005	1:00:28	25.71	53.794	35.52	98.0	6.54	35	48.71	23.162	8.41	1.8	0.7	12.1
6/12/2005	1:30:28	25.72	53.749	35.49	96.6	6.44	35	48.63	23.104	8.41	0.1	1.1	12.1
6/12/2005	2:00:28	25.75	53.690	35.45	95.6	6.37	35	48.26	22.851	8.41	0.1	0.7	12.1
6/12/2005	2:30:28	25.78	53.673	35.43	94.8	6.32	35	48.64	23.116	8.41	0.1	1.8	12.1
6/12/2005	3:00:28	25.83	53.636	35.40	94.2	6.28	35	48.43	22.972	8.41	0.1	0.7	12.1
6/12/2005	3:30:28	25.92	53.586	35.36	94.3	6.27	35	49.24	23.532	8.41	0.1	0.7	12.1
6/12/2005	4:00:28	26.01	53.570	35.35	94.0	6.24	35	48.49	23.011	8.41	0.1	0.7	12.1
6/12/2005	4:30:28	26.09	53.569	35.35	94.5	6.27	35	48.57	23.069	8.41	0.1	0.6	12.1
6/12/2005	5:00:28	26.11	53.568	35.35	93.7	6.21	35	48.44	22.979	8.40	0.1	0.6	12.1
6/12/2005	5:30:28	26.13	53.565	35.34	92.8	6.15	33	48.54	23.052	8.40	0.1	0.6	12.1
6/12/2005	6:00:28	26.14	53.562	35.34	92.7	6.14	35	48.41	22.960	8.40	0.1	0.5	12.1
6/12/2005	6:30:28	26.16	53.551	35.33	90.4	5.99	33	48.37	22.933	8.39	0.1	1.0	12.1
6/12/2005	7:00:28	26.17	53.550	35.33	88.7	5.88	35	48.36	22.929	8.39	0.1	0.9	12.1
6/12/2005	7:30:28	26.19	53.547	35.33	87.9	5.82	33	48.51	23.033	8.38	0.1	0.6	12.1
6/12/2005	8:00:28	26.19	53.545	35.33	87.0	5.77	33	48.41	22.963	8.38	0.1	0.6	12.1
6/12/2005	8:30:28	26.23	53.535	35.32	85.0	5.63	33	48.30	22.889	8.38	0.1	0.7	12.1
6/12/2005	9:00:28	26.25	53.531	35.32	82.8	5.48	33	48.56	23.066	8.37	0.1	0.6	12.1
6/12/2005	9:30:28	26.31	53.517	35.30	80.1	5.30	33	48.49	23.018	8.36	0.1	0.6	12.1
6/12/2005	10:00:28	26.32	53.517	35.30	79.3	5.24	33	48.63	23.114	8.35	0.1	0.5	12.1
6/12/2005	10:30:28	26.36	53.511	35.30	78.2	5.17	33	48.69	23.152	8.35	0.1	0.6	12.1
6/12/2005	11:00:28	26.37	53.509	35.30	77.2	5.10	33	48.81	23.236	8.35	0.1	0.6	12.1
6/12/2005	11:30:27	26.38	53.506	35.29	75.8	5.01	33	48.76	23.202	8.35	2.3	0.5	12.1
6/12/2005	12:00:28	26.37	53.527	35.31	72.5	4.79	33	48.84	23.261	8.33	8.4	0.5	12.1
6/12/2005	12:30:28	26.29	53.770	35.49	93.7	6.19	35	48.88	23.280	8.40	17.4	0.5	12.1
6/12/2005	13:00:28	25.98	53.874	35.58	97.9	6.50	36	48.82	23.239	8.41	28.4	0.5	12.1
6/12/2005	13:30:28	25.90	54.013	35.68	100.6	6.68	35	48.90	23.289	8.42	41.8	0.5	12.1
6/12/2005	14:00:28	25.92	54.187	35.81	102.4	6.80	35	49.01	23.362	8.43	56.7	0.5	12.1
6/12/2005	14:30:28	25.86	54.269	35.87	103.2	6.85	36	49.01	23.360	8.43	35.3	0.6	12.1
6/12/2005	15:00:28	25.81	54.294	35.89	103.7	6.89	36	48.99	23.349	8.43	87.5	0.6	12.1
6/12/2005	15:30:28	25.77	54.306	35.90	104.6	6.96	36	48.90	23.288	8.43	101.5	0.5	12.1
6/12/2005	16:00:28	25.70	54.322	35.92	104.8	6.98	36	48.97	23.336	8.44	108.2	0.5	12.1
6/12/2005	16:30:28	25.68	54.325	35.92	105.8	7.04	36	48.88	23.270	8.44	118.0	0.5	12.1
6/12/2005	17:00:28	25.67	54.326	35.92	105.8	7.05	36	48.97	23.333	8.44	129.6	0.5	12.1
6/12/2005	17:30:28	25.64	54.333	35.93	106.7	7.11	36	48.95	23.319	8.44	127.7	0.5	12.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/12/2005	18:00:28	25.59	54.344	35.94	107.6	7.18	36	48.97	23.333	8.44	161.9	0.5	12.1
6/12/2005	18:30:28	25.58	54.344	35.94	108.3	7.22	37	48.93	23.307	8.45	111.9	0.5	12.1
6/12/2005	19:00:28	25.56	54.346	35.94	106.7	7.12	36	48.90	23.287	8.45	146.2	0.5	12.1
6/12/2005	19:30:28	25.57	54.345	35.94	107.6	7.18	36	48.79	23.211	8.45	127.4	0.5	12.1
6/12/2005	20:00:28	25.57	54.346	35.94	108.9	7.27	36	48.78	23.201	8.45	117.5	0.5	12.1
6/12/2005	20:30:28	25.59	54.340	35.93	108.9	7.26	36	48.82	23.230	8.45	118.7	0.5	12.1
6/12/2005	21:00:28	25.61	54.337	35.93	108.4	7.23	36	48.79	23.212	8.45	102.7	0.6	12.1
6/12/2005	21:30:28	25.61	54.337	35.93	108.3	7.22	36	48.70	23.146	8.45	85.4	0.6	12.1
6/12/2005	22:00:28	25.62	54.336	35.93	109.0	7.27	36	48.79	23.205	8.45	76.0	0.5	12.1
6/12/2005	22:30:28	25.63	54.336	35.93	108.4	7.23	37	48.68	23.135	8.45	59.6	0.6	12.1
6/12/2005	23:00:27	25.64	54.332	35.93	107.0	7.13	36	48.69	23.137	8.45	44.5	0.6	12.1
6/12/2005	23:30:28	25.64	54.319	35.92	102.6	6.84	36	48.64	23.107	8.44	28.4	0.5	12.1
6/13/2005	0:00:28	25.64	54.305	35.91	100.9	6.73	36	48.57	23.061	8.44	11.9	0.5	12.1
6/13/2005	0:30:28	25.64	54.310	35.91	100.0	6.66	35	48.57	23.060	8.44	6.6	0.6	12.1
6/13/2005	1:00:28	25.65	54.303	35.91	98.1	6.54	36	48.55	23.045	8.43	1.6	0.6	12.1
6/13/2005	1:30:28	25.65	54.299	35.90	95.3	6.35	35	48.53	23.028	8.42	0.1	0.6	12.1
6/13/2005	2:00:28	25.66	54.280	35.89	90.3	6.02	33	48.52	23.023	8.41	0.1	0.6	12.1
6/13/2005	2:30:28	25.67	54.262	35.87	85.8	5.72	35	48.51	23.018	8.39	0.1	0.6	12.1
6/13/2005	3:00:28	25.68	54.244	35.86	83.5	5.56	33	48.45	22.975	8.39	0.1	0.6	12.1
6/13/2005	3:30:28	25.68	54.234	35.85	82.5	5.49	33	48.49	23.004	8.38	0.1	0.5	12.1
6/13/2005	4:00:28	25.69	54.137	35.78	79.8	5.32	33	48.44	22.969	8.37	0.1	0.6	12.1
6/13/2005	4:30:28	25.68	54.195	35.82	79.6	5.31	33	48.40	22.942	8.37	0.1	0.6	12.1
6/13/2005	5:00:28	25.69	54.188	35.82	78.4	5.23	33	48.48	22.996	8.37	0.1	0.5	12.1
6/13/2005	5:30:28	25.70	54.204	35.83	76.0	5.06	33	48.45	22.976	8.36	0.1	0.6	12.1
6/13/2005	6:00:28	25.73	54.166	35.80	70.9	4.72	33	48.37	22.923	8.34	0.1	0.5	12.1
6/13/2005	6:30:28	25.76	54.134	35.78	68.6	4.57	33	48.41	22.952	8.33	0.1	0.6	12.1
6/13/2005	7:00:28	25.75	54.152	35.79	67.0	4.46	33	48.42	22.954	8.33	0.1	0.6	12.1
6/13/2005	7:30:28	25.79	54.121	35.77	65.2	4.34	33	48.38	22.933	8.32	0.1	0.5	12.1
6/13/2005	8:00:28	25.81	54.103	35.75	65.0	4.33	32	48.47	22.994	8.32	0.1	0.5	12.1
6/13/2005	8:30:28	25.86	54.070	35.73	64.6	4.30	33	48.48	22.997	8.32	0.1	0.5	12.1
6/13/2005	9:00:28	25.94	54.021	35.69	64.0	4.25	32	48.54	23.044	8.32	0.1	0.5	12.1
6/13/2005	9:30:28	25.92	54.041	35.70	62.1	4.13	32	48.60	23.085	8.31	0.1	0.6	12.1
6/13/2005	10:00:28	25.97	54.015	35.68	61.5	4.08	32	48.67	23.134	8.31	0.1	0.5	12.1
6/13/2005	10:30:28	26.00	54.002	35.67	61.2	4.06	32	48.67	23.134	8.31	0.1	0.5	12.1
6/13/2005	11:00:28	26.03	53.986	35.66	61.3	4.07	32	48.75	23.186	8.31	0.1	0.5	12.1
6/13/2005	11:30:27	26.03	53.417	35.24	60.0	3.99	32	48.74	23.190	8.30	2.0	0.5	12.1
6/13/2005	12:00:28	26.09	53.960	35.64	60.5	4.01	32	48.80	23.224	8.30	10.6	0.5	12.1
6/13/2005	12:30:28	26.14	53.942	35.62	61.6	4.08	32	48.83	23.245	8.30	13.6	0.5	12.1
6/13/2005	13:00:28	26.26	53.795	35.51	64.5	4.27	32	48.88	23.281	8.32	26.0	0.5	12.1
6/13/2005	13:30:28	26.25	53.831	35.54	67.4	4.46	32	48.87	23.276	8.32	38.1	0.6	12.1
6/13/2005	14:00:28	26.28	53.810	35.52	68.6	4.53	32	48.90	23.295	8.31	53.6	0.5	12.1
6/13/2005	14:30:28	26.38	53.709	35.44	75.7	5.00	33	48.92	23.311	8.34	66.9	0.5	12.1
6/13/2005	15:00:28	26.36	53.732	35.46	78.1	5.16	33	48.97	23.344	8.34	79.4	0.5	12.1
6/13/2005	15:30:28	26.36	53.758	35.48	79.5	5.25	33	48.96	23.335	8.35	89.5	0.5	12.1
6/13/2005	16:00:28	26.37	53.632	35.39	100.2	6.62	36	48.92	23.315	8.42	105.8	0.5	12.0
6/13/2005	16:30:28	26.18	53.741	35.47	102.7	6.80	36	48.94	23.320	8.41	119.6	0.5	12.1
6/13/2005	17:00:28	26.13	53.813	35.53	103.2	6.84	36	48.91	23.302	8.42	122.7	0.5	12.1
6/13/2005	17:30:28	26.04	53.935	35.62	105.9	7.03	36	48.91	23.297	8.42	128.1	0.5	12.0
6/13/2005	18:00:28	26.02	53.988	35.66	107.7	7.14	36	48.88	23.281	8.44	121.5	0.5	12.0
6/13/2005	18:30:28	26.12	54.080	35.73	110.0	7.28	36	48.84	23.247	8.44	128.2	0.5	12.0
6/13/2005	19:00:28	26.12	54.191	35.81	110.6	7.31	36	48.87	23.270	8.44	144.4	0.5	12.0
6/13/2005	19:30:28	26.05	54.205	35.82	114.3	7.57	37	48.83	23.244	8.45	115.3	0.5	12.0
6/13/2005	20:00:28	26.07	54.194	35.81	117.3	7.77	37	48.80	23.222	8.45	123.2	0.5	12.0
6/13/2005	20:30:28	26.07	54.178	35.80	119.3	7.90	37	48.77	23.199	8.45	114.8	0.5	12.0
6/13/2005	21:00:28	26.07	54.177	35.80	114.1	7.55	37	48.74	23.182	8.45	54.1	0.5	12.0
6/13/2005	21:30:28	26.07	54.178	35.80	112.4	7.44	37	48.76	23.190	8.45	25.5	0.6	12.0
6/13/2005	22:00:28	26.09	54.176	35.80	115.1	7.62	37	48.70	23.149	8.47	73.1	0.5	12.0
6/13/2005	22:30:28	26.11	54.156	35.78	113.3	7.50	36	48.69	23.148	8.45	60.1	0.6	12.0
6/13/2005	23:00:27	26.11	54.164	35.79	112.9	7.47	36	48.68	23.142	8.45	47.3	0.5	12.0
6/13/2005	23:30:28	26.11	54.151	35.78	110.0	7.28	37	48.66	23.122	8.44	33.5	0.5	12.0
6/14/2005	0:00:28	26.10	54.131	35.77	106.4	7.05	36	48.65	23.118	8.43	15.0	0.5	12.0
6/14/2005	0:30:28	26.03	54.160	35.79	104.3	6.91	36	48.66	23.121	8.42	7.0	0.6	12.0
6/14/2005	1:00:28	25.99	54.196	35.82	100.2	6.64	36	48.65	23.115	8.41	2.0	0.5	12.0
6/14/2005	1:30:28	25.95	54.230	35.84	98.1	6.51	35	48.62	23.098	8.41	0.1	0.5	12.0
6/14/2005	2:00:28	25.92	54.249	35.86	96.7	6.42	35	48.62	23.098	8.41	0.1	0.5	12.0

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/14/2005	2:30:28	25.92	54.257	35.86	95.0	6.31	35	48.59	23.076	8.40	0.1	0.5	12.0
6/14/2005	3:00:28	25.91	54.261	35.87	92.8	6.16	35	48.56	23.051	8.40	0.1	0.6	12.0
6/14/2005	3:30:28	25.91	54.260	35.87	91.9	6.10	35	48.55	23.048	8.39	0.1	0.5	12.0
6/14/2005	4:00:28	25.92	54.254	35.86	90.4	6.00	33	48.52	23.028	8.40	0.1	0.5	12.0
6/14/2005	4:30:28	25.94	54.244	35.85	86.5	5.74	33	48.51	23.018	8.38	0.1	0.6	12.0
6/14/2005	5:00:28	25.95	54.238	35.85	83.5	5.54	33	48.51	23.020	8.37	0.1	0.5	12.0
6/14/2005	5:30:28	25.97	54.227	35.84	80.0	5.31	33	48.49	23.006	8.36	0.1	0.5	12.0
6/14/2005	6:00:28	25.98	54.222	35.84	78.2	5.19	33	48.50	23.013	8.35	0.1	0.5	12.0
6/14/2005	6:30:28	26.04	54.211	35.83	73.1	4.85	33	48.51	23.018	8.34	0.1	0.6	12.0
6/14/2005	7:00:28	26.10	54.189	35.81	70.4	4.66	33	48.48	23.000	8.33	0.1	0.5	12.0
6/14/2005	7:30:28	26.08	54.195	35.81	71.9	4.76	33	48.51	23.024	8.33	0.1	0.5	12.0
6/14/2005	8:00:28	26.10	54.189	35.81	64.5	4.27	32	48.53	23.034	8.31	0.1	0.5	12.0
6/14/2005	8:30:28	26.14	54.179	35.80	63.6	4.20	33	48.57	23.062	8.31	0.1	0.6	12.0
6/14/2005	9:00:28	26.15	54.177	35.80	63.7	4.21	32	48.60	23.083	8.31	0.1	0.6	12.0
6/14/2005	9:30:28	26.20	54.183	35.80	60.9	4.02	32	48.64	23.111	8.29	0.1	0.6	12.0
6/14/2005	10:00:28	26.20	54.177	35.80	60.9	4.03	32	48.66	23.124	8.30	0.1	0.5	12.0
6/14/2005	10:30:28	26.17	54.177	35.80	60.2	3.98	32	48.70	23.152	8.29	0.1	0.6	12.0
6/14/2005	11:00:28	26.30	54.151	35.78	58.3	3.84	32	48.74	23.180	8.29	0.1	0.5	12.0
6/14/2005	11:30:27	26.23	54.166	35.79	57.6	3.80	32	48.77	23.198	8.28	2.2	0.5	12.0
6/14/2005	12:00:28	26.32	54.159	35.78	58.1	3.83	30	48.81	23.228	8.28	7.1	0.5	12.0
6/14/2005	12:30:28	26.22	54.109	35.75	89.9	5.94	33	48.84	23.248	8.41	16.4	0.5	12.0
6/14/2005	13:00:28	26.13	54.101	35.74	92.2	6.10	35	48.88	23.275	8.42	9.9	0.5	12.0
6/14/2005	13:30:28	25.95	54.112	35.76	95.6	6.34	35	48.88	23.279	8.43	20.9	0.5	12.0
6/14/2005	14:00:28	25.85	54.144	35.78	106.4	7.07	36	48.91	23.292	8.45	52.3	0.5	12.0
6/14/2005	14:30:28	25.86	54.158	35.79	108.7	7.23	36	48.95	23.324	8.47	63.9	0.5	12.0
6/14/2005	15:00:28	25.87	54.151	35.79	109.1	7.25	36	48.94	23.314	8.47	75.3	0.5	12.0
6/14/2005	15:30:28	25.87	54.163	35.80	110.1	7.31	37	48.93	23.307	8.47	88.1	0.5	12.0
6/14/2005	16:00:28	25.89	54.157	35.79	111.0	7.37	36	48.92	23.305	8.47	98.0	0.5	12.0
6/14/2005	16:30:28	25.90	54.147	35.78	114.5	7.60	36	48.91	23.298	8.47	106.5	0.5	12.0
6/14/2005	17:00:28	25.95	54.143	35.78	120.9	8.02	37	48.90	23.289	8.49	115.1	0.5	12.0
6/14/2005	17:30:28	25.98	54.139	35.77	121.4	8.05	37	48.89	23.282	8.49	112.7	0.6	12.0
6/14/2005	18:00:28	26.00	54.143	35.78	118.3	7.84	37	48.84	23.251	8.50	116.3	0.5	12.0
6/14/2005	18:30:28	26.04	54.133	35.77	121.3	8.04	37	48.84	23.249	8.50	114.6	0.5	12.0
6/14/2005	19:00:28	26.04	54.151	35.78	128.3	8.50	38	48.82	23.233	8.51	85.8	0.5	12.0
6/14/2005	19:30:28	26.05	54.162	35.79	133.5	8.84	38	48.79	23.212	8.52	71.4	0.6	12.0
6/14/2005	20:00:28	26.04	54.171	35.80	140.4	9.30	40	48.77	23.200	8.52	-26.4	0.5	12.0
6/14/2005	20:30:28	25.97	54.200	35.82	136.6	9.06	39	48.73	23.172	8.51	-89.9	0.6	12.0
6/14/2005	21:00:28	25.93	54.239	35.85	134.7	8.94	39	48.71	23.157	8.52	-111.9	0.5	12.0
6/14/2005	21:30:28	25.89	54.268	35.87	124.6	8.27	38	48.68	23.139	8.49	-184.2	0.6	12.0
6/14/2005	22:00:28	25.92	54.249	35.86	124.7	8.28	38	48.65	23.117	8.51	-155.8	0.6	12.0
6/14/2005	22:30:28	25.94	54.244	35.85	126.2	8.37	38	48.65	23.118	8.51	-172.4	0.5	12.0
6/14/2005	23:00:27	25.98	54.219	35.83	124.1	8.22	38	48.63	23.104	8.51	-197.9	0.5	12.0
6/14/2005	23:30:28	25.99	54.212	35.83	117.1	7.76	38	48.64	23.112	8.48	-154.8	0.5	12.0
6/15/2005	0:00:28	26.02	54.182	35.81	112.0	7.43	37	48.62	23.095	8.47	-273.2	0.5	12.0
6/15/2005	0:30:28	26.03	54.177	35.80	106.6	7.06	36	48.62	23.098	8.45	-281.8	0.6	12.0
6/15/2005	1:00:28	26.08	54.146	35.78	100.5	6.65	36	48.62	23.099	8.43	-290.2	0.7	12.0
6/15/2005	1:30:28	26.03	54.185	35.81	97.4	6.46	36	48.63	23.105	8.42	-297.3	0.6	12.0
6/15/2005	2:00:28	26.06	54.181	35.80	92.6	6.13	35	48.63	23.101	8.40	-306.7	0.6	12.0
6/15/2005	2:30:28	26.05	54.184	35.81	90.1	5.97	33	48.63	23.107	8.40	-308.2	0.7	12.0
6/15/2005	3:00:28	26.09	54.186	35.81	87.7	5.80	35	48.63	23.103	8.39	-308.7	0.5	12.0
6/15/2005	3:30:28	26.13	54.181	35.80	82.3	5.44	33	48.63	23.102	8.37	-306.3	0.7	12.0
6/15/2005	4:00:28	26.19	54.194	35.81	75.4	4.98	33	48.61	23.087	8.35	-283.9	0.7	12.0
6/15/2005	4:30:28	26.18	54.201	35.82	73.8	4.88	33	48.61	23.092	8.35	-273.0	0.6	12.0
6/15/2005	5:00:28	26.19	54.218	35.83	69.6	4.60	32	48.60	23.083	8.33	-244.7	0.5	12.0
6/15/2005	5:30:28	26.26	54.201	35.81	68.3	4.51	32	48.59	23.080	8.33	-196.5	0.6	12.0
6/15/2005	6:00:28	26.30	54.197	35.81	67.4	4.44	32	48.55	23.052	8.32	-196.7	0.5	12.0
6/15/2005	6:30:28	26.23	54.201	35.81	67.7	4.47	32	48.57	23.061	8.33	-211.8	0.6	12.0
6/15/2005	7:00:28	26.32	54.208	35.82	66.7	4.40	32	48.54	23.045	8.32	-194.6	0.7	12.0
6/15/2005	7:30:28	26.72	54.460	35.99	79.4	5.20	33	48.54	23.044	8.39	-120.3	0.6	12.0
6/15/2005	8:00:28	26.74	54.519	36.04	82.9	5.42	33	48.56	23.058	8.39	-136.8	0.6	12.0
6/15/2005	8:30:28	26.79	54.561	36.07	85.6	5.59	33	48.59	23.076	8.41	-126.5	0.5	12.0
6/15/2005	9:00:28	26.84	54.576	36.08	86.8	5.67	33	48.58	23.073	8.41	-135.6	0.5	12.0
6/15/2005	9:30:28	26.86	54.550	36.06	86.3	5.63	33	48.58	23.072	8.41	-276.8	0.5	12.0
6/15/2005	10:00:28	26.85	54.542	36.05	83.5	5.45	33	48.61	23.094	8.40	-279.0	0.5	12.0
6/15/2005	10:30:28	26.82	54.553	36.06	82.0	5.36	33	48.64	23.110	8.39	-176.8	0.7	12.0

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/15/2005	11:00:28	26.80	54.544	36.05	74.8	4.89	33	48.66	23.123	8.36	-183.1	0.5	12.0
6/15/2005	11:30:27	26.82	54.547	36.06	77.7	5.07	33	48.69	23.144	8.37	-197.6	0.5	12.0
6/15/2005	12:00:28	26.82	54.546	36.06	80.9	5.28	33	48.72	23.167	8.38	-215.6	0.6	12.0
6/15/2005	12:30:28	26.81	54.543	36.05	86.2	5.63	33	48.77	23.200	8.39	-214.9	0.5	12.0
6/15/2005	13:00:28	26.35	54.297	35.88	100.6	6.63	35	48.78	23.208	8.43	-232.8	0.5	12.0
6/15/2005	13:30:28	26.22	54.288	35.88	122.1	8.06	37	48.81	23.228	8.47	-208.0	0.5	12.0
6/15/2005	14:00:28	26.22	54.299	35.89	102.6	6.78	35	48.84	23.248	8.45	-216.6	0.5	12.0
6/15/2005	14:30:28	26.20	54.303	35.89	114.6	7.57	36	48.86	23.261	8.50	-150.1	0.5	12.0
6/15/2005	15:00:28	26.19	54.316	35.90	128.0	8.45	38	48.86	23.261	8.53	-134.8	0.5	12.0
6/15/2005	15:30:28	26.27	54.343	35.92	124.2	8.19	38	48.86	23.258	8.51	-130.7	0.5	12.0
6/15/2005	16:00:28	26.33	54.358	35.93	102.0	6.72	35	48.85	23.253	8.53	-113.8	0.5	12.0
6/15/2005	16:30:28	26.36	54.380	35.94	107.1	7.05	36	48.85	23.255	8.52	-113.6	0.5	12.0
6/15/2005	17:00:28	26.41	54.432	35.98	107.3	7.06	36	48.82	23.232	8.51	-35.7	0.5	12.0
6/15/2005	17:30:28	26.51	54.450	35.99	107.3	7.04	36	48.80	23.224	8.56	-53.4	0.5	12.0
6/15/2005	18:00:28	26.58	54.475	36.01	108.1	7.09	37	48.77	23.198	8.57	-123.7	0.5	12.0
6/15/2005	18:30:28	26.67	54.500	36.03	108.2	7.08	36	48.75	23.185	8.56	-122.4	0.5	12.0
6/15/2005	19:00:28	26.74	54.539	36.05	112.3	7.34	37	48.71	23.156	8.57	-107.9	0.5	12.0
6/15/2005	19:30:28	26.91	54.513	36.03	114.3	7.45	37	48.68	23.140	8.52	-112.1	0.5	12.0
6/15/2005	20:00:28	26.94	54.565	36.07	120.3	7.84	37	48.67	23.130	8.54	-92.5	0.5	12.0
6/15/2005	20:30:28	27.05	54.481	36.00	116.3	7.57	37	48.64	23.114	8.48	97.6	0.7	12.0
6/15/2005	21:00:28	27.08	54.526	36.03	113.6	7.39	37	48.61	23.095	8.49	88.4	0.6	12.0
6/15/2005	21:30:28	27.08	54.503	36.02	111.9	7.28	37	48.59	23.081	8.45	37.8	0.8	12.0
6/15/2005	22:00:28	27.34	54.539	36.04	107.7	6.97	36	48.59	23.084	8.48	71.8	0.6	12.0
6/15/2005	22:30:28	27.46	54.312	35.86	105.4	6.82	36	48.59	23.088	8.48	53.3	0.8	12.0
6/15/2005	23:00:27	27.39	54.340	35.88	104.1	6.74	36	48.60	23.090	8.47	40.5	0.8	12.0
6/15/2005	23:30:28	27.32	54.288	35.85	103.0	6.68	36	48.58	23.077	8.44	27.6	0.6	12.0
6/16/2005	0:00:28	27.30	54.266	35.83	101.2	6.56	36	48.59	23.084	8.43	16.9	0.5	12.0
6/16/2005	0:30:28	27.30	54.255	35.82	99.5	6.45	35	48.60	23.091	8.43	7.7	0.5	12.0
6/16/2005	1:00:28	27.27	54.303	35.86	97.7	6.34	35	48.63	23.109	8.42	1.9	0.5	12.0
6/16/2005	1:30:28	27.31	54.348	35.89	96.4	6.25	35	48.65	23.125	8.42	0.1	0.6	12.0
6/16/2005	2:00:28	27.37	54.336	35.88	95.8	6.20	35	48.65	23.128	8.42	0.1	0.5	12.0
6/16/2005	2:30:28	27.36	54.307	35.86	92.6	6.00	33	48.67	23.140	8.41	0.1	0.5	12.0
6/16/2005	3:00:28	27.34	54.305	35.86	87.2	5.65	35	48.70	23.158	8.39	0.1	0.5	12.0
6/16/2005	3:30:28	27.33	54.302	35.86	81.8	5.30	33	48.70	23.159	8.37	0.1	0.5	12.0
6/16/2005	4:00:28	27.33	54.330	35.88	79.0	5.12	33	48.72	23.172	8.37	0.1	0.5	12.0
6/16/2005	4:30:28	27.31	54.337	35.89	76.3	4.95	33	48.72	23.173	8.37	0.1	0.6	12.0
6/16/2005	5:00:28	27.36	54.326	35.88	80.3	5.20	33	48.73	23.179	8.39	0.1	0.5	12.0
6/16/2005	5:30:28	27.30	54.346	35.89	82.8	5.37	33	48.69	23.150	8.39	0.1	0.6	12.0
6/16/2005	6:00:28	27.22	54.371	35.91	88.2	5.73	33	48.73	23.180	8.41	0.1	0.6	12.0
6/16/2005	6:30:28	27.22	54.360	35.91	88.8	5.77	33	48.76	23.197	8.41	0.1	0.5	12.0
6/16/2005	7:00:28	27.19	54.362	35.91	87.2	5.66	33	48.73	23.177	8.41	0.1	0.6	12.0
6/16/2005	7:30:28	27.02	54.460	35.99	87.0	5.67	33	48.69	23.151	8.41	0.1	0.5	12.0
6/16/2005	8:00:28	26.99	54.511	36.02	89.3	5.82	33	48.71	23.164	8.42	0.1	0.6	12.0
6/16/2005	8:30:28	27.00	54.510	36.02	87.8	5.72	33	48.72	23.167	8.41	0.1	0.5	12.0
6/16/2005	9:00:28	26.98	54.531	36.04	88.0	5.73	33	48.72	23.166	8.41	0.1	0.5	12.0
6/16/2005	9:30:28	26.99	54.527	36.04	87.0	5.67	33	48.74	23.179	8.41	0.1	0.5	12.0
6/16/2005	10:00:28	26.99	54.523	36.03	86.4	5.62	35	48.73	23.176	8.41	0.1	0.5	12.0
6/16/2005	10:30:28	27.00	54.518	36.03	84.9	5.53	33	48.77	23.200	8.40	0.1	0.6	12.0
6/16/2005	11:00:28	26.99	54.516	36.03	79.5	5.18	33	48.78	23.208	8.38	0.1	0.6	12.0
6/16/2005	11:30:27	27.02	54.502	36.02	80.1	5.21	33	48.79	23.213	8.39	2.2	0.5	12.0
6/16/2005	12:00:28	27.02	54.507	36.02	80.7	5.25	33	48.81	23.233	8.39	8.1	0.5	12.0
6/16/2005	12:30:28	27.01	54.498	36.01	81.7	5.32	33	48.83	23.246	8.40	13.6	0.6	12.0
6/16/2005	13:00:28	27.02	54.500	36.01	81.1	5.28	33	48.83	23.247	8.39	13.7	0.5	12.0
6/16/2005	13:30:28	27.03	54.494	36.01	89.7	5.84	35	48.83	23.241	8.44	41.2	0.6	12.0
6/16/2005	14:00:28	27.05	54.489	36.01	95.5	6.22	35	48.83	23.248	8.44	51.9	0.6	12.0
6/16/2005	14:30:28	27.08	54.478	36.00	94.9	6.18	35	48.84	23.251	8.46	63.9	0.6	12.0
6/16/2005	15:00:28	27.11	54.470	35.99	93.8	6.10	35	48.81	23.233	8.47	75.5	0.6	12.0
6/16/2005	15:30:28	27.12	54.468	35.99	95.6	6.22	36	48.81	23.235	8.46	87.3	0.6	12.0
6/16/2005	16:00:28	27.15	54.385	35.93	100.0	6.50	36	48.79	23.223	8.48	95.9	0.6	12.0
6/16/2005	16:30:28	27.18	54.476	35.99	101.5	6.59	36	48.78	23.211	8.48	99.1	0.5	12.0
6/16/2005	17:00:28	27.19	54.478	35.99	106.6	6.92	37	48.73	23.176	8.49	109.3	0.5	12.0
6/16/2005	17:30:28	27.22	54.475	35.99	114.6	7.44	37	48.71	23.162	8.51	114.3	0.5	12.0
6/16/2005	18:00:28	27.25	54.475	35.99	119.5	7.75	37	48.66	23.129	8.57	122.5	0.6	12.0
6/16/2005	18:30:28	27.27	54.466	35.98	113.0	7.33	37	48.63	23.109	8.54	110.0	0.6	12.0
6/16/2005	19:00:28	27.29	54.465	35.98	120.5	7.81	38	48.60	23.088	8.56	111.9	0.6	12.0

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/16/2005	19:30:28	27.31	54.467	35.98	127.9	8.29	39	48.56	23.061	8.49	109.4	0.6	12.0
6/16/2005	20:00:28	27.33	54.457	35.97	125.5	8.13	38	48.51	23.029	8.47	103.3	0.5	12.0
6/16/2005	20:30:28	27.35	54.448	35.97	127.0	8.22	38	48.48	23.007	8.46	97.1	0.5	12.0
6/16/2005	21:00:28	27.34	54.441	35.96	122.7	7.95	38	48.45	22.985	8.46	85.8	0.5	12.0
6/16/2005	21:30:28	27.35	54.427	35.95	111.8	7.24	37	48.43	22.976	8.45	75.2	0.5	12.0
6/16/2005	22:00:28	27.36	54.430	35.95	113.5	7.35	37	48.42	22.969	8.46	62.7	0.6	12.0
6/16/2005	22:30:28	27.37	54.409	35.94	106.2	6.88	36	48.41	22.959	8.45	51.2	0.6	12.0
6/16/2005	23:00:27	27.37	54.404	35.93	100.2	6.49	36	48.41	22.958	8.41	39.1	0.5	12.0
6/16/2005	23:30:28	27.36	54.406	35.94	94.7	6.14	35	48.41	22.957	8.40	26.3	0.5	12.0
6/17/2005	0:00:28	27.42	54.377	35.91	91.6	5.92	35	48.39	22.946	8.38	15.7	0.7	12.0
6/17/2005	0:30:28	28.03	54.784	36.20	97.4	6.23	36	48.44	22.980	8.44	7.4	0.6	12.0
6/17/2005	1:00:28	28.08	54.895	36.28	94.7	6.05	35	48.46	22.993	8.42	2.0	0.5	12.0
6/17/2005	1:30:28	28.09	54.996	36.35	92.6	5.91	35	48.50	23.021	8.42	0.1	0.5	12.0
6/17/2005	2:00:28	28.12	55.017	36.37	91.6	5.85	35	48.53	23.038	8.42	0.1	0.5	12.0
6/17/2005	2:30:28	28.16	55.033	36.38	89.7	5.72	35	48.56	23.060	8.41	0.1	0.5	12.0
6/17/2005	3:00:28	28.18	55.032	36.38	88.5	5.64	35	48.62	23.099	8.41	0.1	0.5	12.0
6/17/2005	3:30:28	28.21	55.033	36.38	88.6	5.65	35	48.64	23.116	8.41	0.1	0.5	12.0
6/17/2005	4:00:28	28.28	55.034	36.37	91.8	5.84	35	48.71	23.162	8.42	0.1	0.4	12.0
6/17/2005	4:30:28	28.27	54.996	36.35	91.4	5.82	35	48.66	23.129	8.42	0.1	0.6	12.0
6/17/2005	5:00:28	28.23	54.929	36.30	90.7	5.78	35	48.70	23.162	8.41	0.1	0.6	12.0
6/17/2005	5:30:28	28.23	54.932	36.30	87.6	5.58	35	48.73	23.178	8.40	0.1	0.7	12.0
6/17/2005	6:00:28	28.19	54.938	36.31	81.9	5.22	33	48.77	23.205	8.39	0.1	0.5	12.0
6/17/2005	6:30:28	28.17	54.932	36.30	76.4	4.87	33	48.77	23.204	8.37	0.1	0.6	12.0
6/17/2005	7:00:28	28.17	54.928	36.30	72.8	4.64	33	48.79	23.217	8.36	0.1	0.5	12.0
6/17/2005	7:30:28	28.16	54.921	36.29	73.9	4.71	33	48.79	23.224	8.36	0.1	0.4	12.0
6/17/2005	8:00:28	28.15	54.911	36.29	68.5	4.37	33	48.78	23.214	8.35	0.1	0.5	12.0
6/17/2005	8:30:28	28.16	54.890	36.27	69.3	4.42	33	48.78	23.217	8.35	0.1	0.6	12.0
6/17/2005	9:00:28	28.13	54.902	36.28	68.3	4.36	33	48.80	23.226	8.35	0.1	0.6	12.0
6/17/2005	9:30:28	28.14	54.889	36.27	68.7	4.39	33	48.80	23.226	8.34	0.1	0.6	12.0
6/17/2005	10:00:28	28.14	54.875	36.26	68.0	4.34	33	48.77	23.209	8.35	0.1	0.6	12.0
6/17/2005	10:30:28	28.14	54.869	36.26	65.7	4.19	33	48.80	23.227	8.34	0.1	0.5	12.0
6/17/2005	11:00:28	28.14	54.851	36.24	66.3	4.23	33	48.82	23.239	8.33	0.1	0.5	12.0
6/17/2005	11:30:27	28.14	54.846	36.24	67.8	4.33	33	48.83	23.246	8.34	2.0	0.6	12.0
6/17/2005	12:00:28	28.13	54.827	36.23	68.7	4.39	33	48.83	23.250	8.34	7.4	0.7	12.0
6/17/2005	12:30:28	28.09	54.843	36.24	76.9	4.91	33	48.84	23.257	8.36	16.0	0.6	12.0
6/17/2005	13:00:28	28.10	54.828	36.23	85.2	5.44	33	48.82	23.244	8.38	27.8	0.6	12.0
6/17/2005	13:30:28	28.05	54.842	36.24	93.8	6.00	36	48.83	23.250	8.40	37.7	0.7	12.0
6/17/2005	14:00:28	28.05	54.858	36.25	116.3	7.44	37	48.84	23.257	8.44	49.4	0.7	12.0
6/17/2005	14:30:28	28.03	54.856	36.25	122.4	7.83	38	48.84	23.253	8.47	60.3	0.6	12.0
6/17/2005	15:00:28	28.00	54.760	36.18	116.6	7.46	37	48.83	23.251	8.46	71.7	0.5	12.0
6/17/2005	15:30:28	27.97	54.793	36.20	114.1	7.31	37	48.81	23.236	8.48	81.9	0.7	12.0
6/17/2005	16:00:28	28.01	54.827	36.23	118.1	7.55	38	48.81	23.232	8.47	91.9	0.6	12.0
6/17/2005	16:30:28	28.05	54.787	36.20	128.2	8.20	39	48.77	23.210	8.50	105.4	0.6	12.0
6/17/2005	17:00:28	27.94	54.745	36.17	138.4	8.87	39	48.75	23.194	8.53	116.5	0.6	12.0
6/17/2005	17:30:28	27.96	54.762	36.18	146.5	9.38	40	48.70	23.159	8.57	121.5	0.5	12.0
6/17/2005	18:00:28	28.00	54.757	36.18	148.8	9.52	40	48.66	23.130	8.61	122.0	0.6	12.0
6/17/2005	18:30:28	28.05	54.754	36.17	147.0	9.40	40	48.62	23.107	8.61	105.9	0.6	12.0
6/17/2005	19:00:28	28.07	54.707	36.14	166.5	10.65	42	48.57	23.073	8.62	102.8	0.7	12.0
6/17/2005	19:30:28	28.08	54.658	36.10	171.8	10.98	43	48.53	23.044	8.56	108.6	0.6	12.0
6/17/2005	20:00:28	28.11	54.690	36.12	178.9	11.44	43	48.48	23.009	8.54	101.5	0.6	12.0
6/17/2005	20:30:28	28.11	54.766	36.18	146.5	9.36	40	48.43	22.976	8.50	109.7	0.6	12.0
6/17/2005	21:00:28	28.13	54.776	36.19	162.4	10.37	42	48.39	22.945	8.52	84.8	0.7	12.0
6/17/2005	21:30:28	28.10	54.794	36.20	148.9	9.51	40	48.36	22.925	8.53	-33.3	0.6	12.0
6/17/2005	22:00:28	28.09	54.818	36.22	143.8	9.19	40	48.35	22.918	8.55	-33.7	0.6	12.0
6/17/2005	22:30:28	28.07	54.820	36.22	136.4	8.72	39	48.33	22.908	8.54	-64.6	0.7	12.0
6/17/2005	23:00:27	28.08	54.797	36.20	129.7	8.29	39	48.33	22.905	8.51	-82.3	0.7	12.0
6/17/2005	23:30:28	28.08	54.777	36.19	121.9	7.79	38	48.32	22.899	8.47	-98.0	0.6	12.0
6/18/2005	0:00:28	28.09	54.745	36.17	112.2	7.17	37	48.34	22.911	8.44	-108.7	0.6	12.0
6/18/2005	0:30:28	28.10	54.719	36.15	105.0	6.71	36	48.37	22.931	8.42	-124.7	0.6	12.0
6/18/2005	1:00:28	28.09	54.723	36.15	97.4	6.23	36	48.40	22.955	8.40	-131.2	0.6	12.0
6/18/2005	1:30:28	28.06	54.682	36.12	94.0	6.01	35	48.44	22.982	8.39	-141.7	0.9	12.0
6/18/2005	2:00:28	28.02	54.661	36.11	84.6	5.42	35	48.49	23.017	8.36	-118.4	0.6	12.0
6/18/2005	2:30:28	28.01	54.651	36.10	83.3	5.34	33	48.54	23.051	8.36	-121.5	0.6	12.0
6/18/2005	3:00:28	28.19	54.710	36.14	87.7	5.60	33	48.60	23.089	8.41	-128.9	0.6	12.0
6/18/2005	3:30:28	28.26	54.789	36.19	88.6	5.65	35	48.67	23.140	8.41	-153.3	0.7	12.0

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/18/2005	4:00:28	27.81	54.658	36.11	77.8	5.00	33	48.72	23.170	8.36	-150.6	0.6	12.0
6/18/2005	4:30:28	27.62	54.677	36.13	82.7	5.32	33	48.75	23.193	8.38	-155.5	0.7	12.0
6/18/2005	5:00:28	27.50	54.722	36.17	82.0	5.29	33	48.82	23.238	8.38	-168.5	0.6	12.0
6/18/2005	5:30:28	27.46	54.757	36.19	81.1	5.24	33	48.86	23.265	8.38	-142.9	0.6	12.0
6/18/2005	6:00:28	27.46	54.757	36.19	79.4	5.13	33	48.87	23.272	8.38	-154.5	0.7	11.9
6/18/2005	6:30:28	27.47	54.750	36.19	78.1	5.04	33	48.91	23.297	8.38	-143.2	0.7	12.0
6/18/2005	7:00:28	27.47	54.769	36.20	76.2	4.92	33	48.96	23.334	8.37	-150.6	0.6	12.0
6/18/2005	7:30:28	27.75	54.754	36.18	79.0	5.08	33	48.95	23.329	8.39	-151.4	0.7	11.9
6/18/2005	8:00:28	27.87	55.085	36.43	88.9	5.69	33	48.96	23.336	8.43	-148.8	0.7	12.0
6/18/2005	8:30:28	27.82	55.114	36.45	84.7	5.43	33	48.99	23.351	8.41	-173.5	0.6	12.0
6/18/2005	9:00:28	27.80	55.124	36.46	82.8	5.31	33	48.98	23.343	8.41	-170.9	0.6	12.0
6/18/2005	9:30:28	27.79	55.129	36.46	79.8	5.12	33	48.97	23.340	8.40	-165.2	0.6	12.0
6/18/2005	10:00:28	27.81	55.103	36.44	78.1	5.00	33	48.98	23.347	8.39	-174.2	0.5	11.9
6/18/2005	10:30:28	27.80	55.101	36.44	75.9	4.87	33	48.98	23.348	8.38	-182.3	0.5	12.0
6/18/2005	11:00:28	27.81	55.081	36.43	72.9	4.68	33	48.97	23.337	8.38	-201.0	0.4	12.0
6/18/2005	11:30:27	27.80	55.091	36.43	70.0	4.49	32	48.96	23.335	8.36	-197.1	0.6	12.0
6/18/2005	12:00:28	27.81	55.079	36.42	72.5	4.65	33	48.96	23.333	8.37	-186.5	0.5	11.9
6/18/2005	12:30:28	27.80	55.089	36.43	73.2	4.69	33	48.94	23.321	8.38	-172.7	0.5	12.0
6/18/2005	13:00:28	27.79	55.103	36.44	87.6	5.62	33	48.94	23.318	8.40	-151.0	0.6	11.9
6/18/2005	13:30:28	27.78	55.114	36.45	93.1	5.97	35	48.93	23.314	8.42	-105.6	0.5	12.0
6/18/2005	14:00:28	27.79	55.127	36.46	99.2	6.36	36	48.94	23.316	8.44	-91.2	0.4	11.9
6/18/2005	14:30:28	27.78	55.143	36.47	92.5	5.93	35	48.91	23.298	8.45	-96.3	0.5	11.9
6/18/2005	15:00:28	27.77	55.150	36.48	79.1	5.08	33	48.87	23.271	8.44	-121.2	0.4	11.9
6/18/2005	15:30:28	27.80	55.166	36.49	86.6	5.55	33	48.86	23.264	8.46	-65.7	0.5	12.0
6/18/2005	16:00:28	27.83	55.152	36.48	94.3	6.04	35	48.83	23.246	8.50	-76.6	0.5	11.9
6/18/2005	16:30:28	27.83	53.529	35.27	98.3	6.34	35	48.79	23.239	8.51	-66.8	0.5	11.9
6/18/2005	17:00:28	27.86	55.162	36.48	105.4	6.75	36	48.76	23.196	8.54	-55.3	0.4	11.9
6/18/2005	17:30:28	27.86	55.169	36.49	111.0	7.11	36	48.71	23.158	8.55	-62.0	0.5	11.9
6/18/2005	18:00:28	27.87	55.152	36.48	110.6	7.08	37	48.65	23.119	8.62	-55.1	0.5	11.9
6/18/2005	18:30:28	27.90	53.344	35.13	114.1	7.36	37	48.59	23.101	8.64	-61.3	0.6	11.9
6/18/2005	19:00:28	27.92	55.155	36.48	123.4	7.90	38	48.55	23.052	8.64	-68.4	0.6	11.9
6/18/2005	19:30:28	27.94	55.150	36.47	128.3	8.21	39	48.51	23.025	8.56	-76.9	0.5	11.9
6/18/2005	20:00:28	27.93	55.137	36.46	126.0	8.06	38	48.46	22.986	8.51	-111.0	0.5	11.9
6/18/2005	20:30:28	27.94	55.125	36.45	125.3	8.01	38	48.38	22.936	8.49	-97.1	0.6	11.9
6/18/2005	21:00:28	27.96	53.736	35.42	121.8	7.84	38	48.32	22.912	8.50	-100.8	0.5	11.9
6/18/2005	21:30:28	27.96	55.113	36.44	114.1	7.30	37	48.28	22.866	8.51	-111.0	0.6	11.9
6/18/2005	22:00:28	27.94	55.110	36.44	106.3	6.80	36	48.26	22.850	8.50	-93.7	0.5	11.9
6/18/2005	22:30:28	27.95	55.102	36.44	104.0	6.65	36	48.24	22.840	8.50	-118.2	0.5	11.9
6/18/2005	23:00:27	27.97	53.502	35.24	98.3	6.33	36	48.22	22.842	8.45	-134.7	0.6	11.9
6/18/2005	23:30:28	27.97	53.415	35.18	94.5	6.08	35	48.21	22.835	8.41	-151.0	0.7	11.9
6/19/2005	0:00:28	27.99	55.035	36.38	91.8	5.87	35	48.21	22.815	8.38	-162.8	0.6	11.9
6/19/2005	0:30:28	28.01	53.292	35.09	89.4	5.76	33	48.25	22.869	8.37	-172.6	0.8	11.9
6/19/2005	1:00:28	27.99	54.994	36.35	81.6	5.22	33	48.26	22.853	8.35	-151.0	0.5	11.9
6/19/2005	1:30:28	28.06	54.949	36.32	80.8	5.16	33	48.29	22.875	8.35	-166.7	0.7	11.9
6/19/2005	2:00:28	28.01	54.993	36.35	79.0	5.05	33	48.37	22.932	8.34	-169.8	0.6	11.9
6/19/2005	2:30:28	28.07	54.973	36.34	75.9	4.85	33	48.42	22.962	8.34	-173.3	0.6	11.9
6/19/2005	3:00:28	28.04	54.978	36.34	73.2	4.67	33	48.48	23.004	8.33	-170.9	0.7	11.9
6/19/2005	3:30:28	28.05	54.981	36.34	71.5	4.57	33	48.57	23.066	8.32	-171.9	0.5	11.9
6/19/2005	4:00:28	28.10	54.958	36.32	73.7	4.70	33	48.64	23.116	8.34	-155.7	0.4	11.9
6/19/2005	4:30:28	28.07	54.973	36.34	71.8	4.58	33	48.69	23.149	8.33	-150.9	0.8	11.9
6/19/2005	5:00:28	28.12	55.039	36.38	77.4	4.94	33	48.75	23.193	8.36	-147.0	0.4	11.9
6/19/2005	5:30:28	28.00	55.072	36.41	74.8	4.78	33	48.81	23.232	8.35	-154.2	0.5	11.9
6/19/2005	6:00:28	27.94	55.140	36.46	80.0	5.11	33	48.88	23.274	8.37	-166.7	0.6	11.9
6/19/2005	6:30:28	27.91	55.175	36.49	76.3	4.88	33	48.91	23.295	8.36	-167.3	0.5	11.9
6/19/2005	7:00:28	27.88	55.206	36.52	76.3	4.88	33	48.97	23.341	8.35	-169.6	0.4	11.9
6/19/2005	7:30:28	27.86	55.227	36.53	74.6	4.77	33	48.99	23.353	8.36	-170.1	0.4	11.9
6/19/2005	8:00:28	27.84	55.236	36.54	72.4	4.64	32	48.98	23.345	8.35	-169.7	0.4	11.9
6/19/2005	8:30:28	27.85	55.237	36.54	69.3	4.44	32	49.02	23.370	8.34	-169.2	0.5	11.9
6/19/2005	9:00:28	27.83	55.240	36.54	66.8	4.28	32	49.03	23.381	8.33	-166.4	0.5	11.9
6/19/2005	9:30:28	27.83	55.241	36.54	67.1	4.30	32	49.05	23.393	8.33	-166.9	0.5	11.9
6/19/2005	10:00:28	27.83	55.238	36.54	64.6	4.14	32	49.03	23.379	8.32	-166.2	0.5	11.9
6/19/2005	10:30:28	27.82	55.236	36.54	62.3	3.99	30	49.04	23.383	8.31	-163.3	0.5	11.8
6/19/2005	11:00:28	27.83	55.234	36.54	61.3	3.92	30	49.04	23.387	8.31	-163.7	0.6	11.9
6/19/2005	11:30:27	27.83	55.234	36.54	61.1	3.92	30	49.04	23.388	8.31	-160.5	0.6	11.8
6/19/2005	12:00:28	27.82	55.238	36.54	61.9	3.97	30	49.02	23.371	8.32	-138.0	0.6	11.9

<u>**Appendix 5**</u>
<u>**Water Quality Data**</u>

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	**Time**	**Temp C**	**SpCond ms/cm/ sec**	**Sal ppt**	**Dosat %**	**DO Conc mg/L**	**Do chrg**	**Absolute Pressure psi**	**Depth m**	**pH**	**PAR1 µeinst/ sec*m^2**	**Turbidity NTU**	**Battery volts**
6/19/2005	12:30:28	27.83	55.228	36.53	63.4	4.06	32	49.00	23.359	8.33	-129.8	0.6	11.8
6/19/2005	13:00:28	27.84	55.227	36.53	72.0	4.61	33	48.99	23.349	8.35	-137.8	0.6	11.8
6/19/2005	13:30:28	27.85	53.643	35.35	86.6	5.58	33	48.96	23.352	8.41	-139.2	0.7	11.9
6/19/2005	14:00:28	27.75	55.149	36.48	100.9	6.47	35	48.94	23.317	8.47	-127.9	0.6	11.9
6/19/2005	14:30:28	27.73	55.181	36.50	99.5	6.38	35	48.93	23.313	8.45	-134.7	0.6	11.9
6/19/2005	15:00:28	27.70	55.186	36.51	104.8	6.73	35	48.91	23.292	8.48	-122.0	0.6	11.8
6/19/2005	15:30:28	27.74	55.160	36.49	112.9	7.24	36	48.87	23.271	8.51	-187.9	0.7	11.8
6/19/2005	16:00:28	27.78	55.137	36.47	128.8	8.26	38	48.83	23.243	8.57	-115.8	0.8	11.8
6/19/2005	16:30:28	27.77	55.175	36.50	126.1	8.09	37	48.79	23.214	8.57	-62.3	0.8	11.8
6/19/2005	17:00:28	27.84	55.129	36.46	114.1	7.31	37	48.75	23.184	8.50	-140.4	0.7	11.8
6/19/2005	17:30:28	27.81	55.188	36.50	145.3	9.31	40	48.69	23.145	8.64	-63.9	0.8	11.8
6/19/2005	18:00:28	27.83	55.194	36.51	147.2	9.43	40	48.63	23.102	8.67	-75.7	0.6	11.8
6/19/2005	18:30:28	27.84	55.181	36.50	146.1	9.36	40	48.57	23.060	8.70	-78.5	0.7	11.8
6/19/2005	19:00:28	27.88	55.166	36.49	148.1	9.48	40	48.52	23.026	8.64	-75.8	0.5	11.8
6/19/2005	19:30:28	27.92	55.196	36.51	170.9	10.93	42	48.45	22.980	8.61	-76.8	0.5	11.8
6/19/2005	20:00:28	27.96	53.259	35.06	172.3	11.10	42	48.38	22.959	8.59	-62.9	0.5	11.8
6/19/2005	20:30:28	27.99	55.198	36.51	180.7	11.54	43	48.31	22.889	8.61	-61.6	0.6	11.8
6/19/2005	21:00:28	28.01	55.189	36.50	165.2	10.55	42	48.25	22.844	8.58	-89.0	0.7	11.8
6/19/2005	21:30:28	28.03	55.149	36.47	131.2	8.38	39	48.20	22.809	8.50	-171.4	0.6	11.8
6/19/2005	22:00:28	28.04	55.156	36.47	145.3	9.28	40	48.14	22.772	8.57	-141.8	0.6	11.8
6/19/2005	22:30:28	28.03	55.185	36.50	140.5	8.97	40	48.12	22.753	8.56	-163.3	0.6	11.8
6/19/2005	23:00:27	28.03	55.157	36.48	124.6	7.96	38	48.08	22.728	8.50	-184.0	0.9	11.8
6/19/2005	23:30:28	28.02	55.154	36.47	113.4	7.25	37	48.06	22.712	8.45	-190.9	0.8	11.8
6/20/2005	0:00:28	28.03	55.145	36.47	100.7	6.43	36	48.05	22.704	8.41	-207.3	0.9	11.8
6/20/2005	0:30:28	28.02	52.674	34.63	95.5	6.16	35	48.06	22.744	8.41	-208.5	0.9	11.8
6/20/2005	1:00:28	27.99	55.156	36.48	86.2	5.51	35	48.09	22.734	8.38	-209.8	0.8	11.8
6/20/2005	1:30:28	28.02	53.033	34.89	86.3	5.56	33	48.11	22.778	8.38	-215.3	0.9	11.8
6/20/2005	2:00:28	28.01	52.961	34.84	86.4	5.57	33	48.17	22.815	8.38	-220.6	0.7	11.8
6/20/2005	2:30:28	28.01	52.946	34.83	82.3	5.31	33	48.23	22.861	8.37	-216.7	0.7	11.8
6/20/2005	3:00:28	28.02	52.672	34.63	83.9	5.41	33	48.30	22.912	8.37	-209.6	0.7	11.8
6/20/2005	3:30:28	28.05	53.104	34.95	79.2	5.10	33	48.38	22.963	8.36	-204.1	0.7	11.8
6/20/2005	4:00:28	27.97	52.885	34.79	75.9	4.90	33	48.48	23.030	8.35	-196.6	0.8	11.8
6/20/2005	4:30:28	27.76	52.878	34.79	83.7	5.42	33	48.56	23.088	8.40	-193.7	0.8	11.8
6/20/2005	5:00:28	27.62	53.108	34.96	86.5	5.61	33	48.65	23.144	8.41	-192.7	0.7	11.8
6/20/2005	5:30:28	27.58	53.065	34.93	87.5	5.68	35	48.74	23.205	8.42	-193.2	0.8	11.8
6/20/2005	6:00:28	27.57	51.161	33.52	86.7	5.67	33	48.81	23.279	8.41	-184.5	0.7	11.8
6/20/2005	6:30:28	27.60	53.270	35.08	85.9	5.57	33	48.89	23.306	8.41	-184.2	0.7	11.8
6/20/2005	7:00:28	27.63	53.185	35.02	85.7	5.55	33	48.96	23.355	8.41	-186.2	0.7	11.8
6/20/2005	7:30:28	27.67	53.112	34.96	85.4	5.53	33	49.01	23.393	8.41	-186.4	0.7	11.8
6/20/2005	8:00:28	27.69	51.713	33.93	84.5	5.50	33	49.06	23.442	8.40	-183.0	0.7	11.8
6/20/2005	8:30:28	27.70	52.918	34.82	80.6	5.22	33	49.09	23.451	8.39	-180.5	0.7	11.8
6/20/2005	9:00:28	27.72	51.797	33.99	81.2	5.29	33	49.12	23.485	8.39	-162.9	0.7	11.8
6/20/2005	9:30:28	27.72	52.026	34.16	77.1	5.02	33	49.15	23.501	8.38	-176.6	0.9	11.8
6/20/2005	10:00:28	27.72	51.680	33.90	77.6	5.06	33	49.17	23.516	8.38	-175.3	0.9	11.8
6/20/2005	10:30:28	27.71	51.230	33.57	74.9	4.88	33	49.18	23.532	8.37	-174.9	0.9	11.8
6/20/2005	11:00:28	27.76	52.854	34.77	72.5	4.70	33	49.18	23.514	8.37	-164.7	1.0	11.8
6/20/2005	11:30:27	27.75	55.238	36.54	74.1	4.75	33	49.19	23.487	8.37	-161.7	1.2	11.8
6/20/2005	12:00:28	27.77	55.231	36.54	73.2	4.70	33	49.17	23.476	8.37	-181.2	1.3	11.8
6/20/2005	12:30:28	27.78	55.231	36.54	75.9	4.86	33	49.17	23.476	8.37	-189.1	1.4	11.8
6/20/2005	13:00:28	27.86	55.214	36.52	91.0	5.83	33	49.15	23.462	8.43	-177.7	0.9	11.8
6/20/2005	13:30:28	27.61	55.309	36.60	98.6	6.34	35	49.13	23.443	8.45	-152.6	1.3	11.8
6/20/2005	14:00:28	27.43	55.338	36.63	101.5	6.54	35	49.09	23.418	8.46	-142.0	1.4	11.8
6/20/2005	14:30:28	27.26	55.369	36.66	108.3	7.00	36	49.07	23.400	8.47	-140.6	1.4	11.8
6/20/2005	15:00:28	27.05	55.263	36.58	119.8	7.77	37	49.05	23.385	8.51	-102.3	1.2	11.8
6/20/2005	15:30:28	26.61	54.974	36.38	129.7	8.48	38	49.01	23.360	8.53	-105.2	1.3	11.8
6/20/2005	16:00:28	26.65	54.986	36.39	129.2	8.44	38	48.97	23.331	8.54	-107.4	1.4	11.8
6/20/2005	16:30:28	26.69	54.996	36.39	129.1	8.43	38	48.92	23.300	8.55	-80.0	1.2	11.8
6/20/2005	17:00:28	26.85	55.000	36.39	150.9	9.83	40	48.87	23.267	8.59	-64.2	1.4	11.8
6/20/2005	17:30:28	26.84	55.037	36.42	140.7	9.16	39	48.82	23.229	8.56	-89.6	2.0	11.8
6/20/2005	18:00:28	26.87	55.067	36.44	160.1	10.42	41	48.75	23.184	8.63	-38.1	1.7	11.8
6/20/2005	18:30:28	26.90	55.061	36.44	158.6	10.32	41	48.69	23.140	8.61	-61.3	2.1	11.8
6/20/2005	19:00:28	26.94	55.060	36.44	162.9	10.59	42	48.63	23.100	8.64	-33.0	2.3	11.8
6/20/2005	19:30:28	26.95	55.063	36.44	169.8	11.04	42	48.55	23.043	8.60	-37.7	2.6	11.8
6/20/2005	20:00:28	26.97	55.040	36.42	167.5	10.89	42	48.47	22.989	8.58	-35.3	2.7	11.8
6/20/2005	20:30:28	26.99	55.045	36.42	166.6	10.83	42	48.38	22.929	8.57	-46.7	2.6	11.8

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/20/2005	21:00:28	27.02	55.043	36.42	165.8	10.77	42	48.30	22.875	8.58	-49.6	3.4	11.8
6/20/2005	21:30:28	27.08	54.998	36.38	152.8	9.92	40	48.23	22.825	8.56	-54.3	2.8	11.8
6/20/2005	22:00:28	27.06	55.030	36.41	147.3	9.56	40	48.16	22.780	8.56	-34.2	3.1	11.8
6/20/2005	22:30:28	27.08	55.035	36.41	146.1	9.48	40	48.10	22.736	8.57	-19.7	3.4	11.8
6/20/2005	23:00:27	27.08	55.033	36.41	137.3	8.91	39	48.04	22.694	8.54	-53.4	3.6	11.8
6/20/2005	23:30:28	27.10	55.029	36.41	134.2	8.71	39	48.02	22.678	8.53	-58.8	4.8	11.8
6/21/2005	0:00:28	27.10	55.026	36.41	126.3	8.19	38	47.99	22.660	8.50	-62.8	3.9	11.8
6/21/2005	0:30:28	27.13	55.018	36.40	117.3	7.60	37	47.97	22.650	8.48	-82.4	3.7	11.8
6/21/2005	1:00:28	27.13	55.012	36.39	113.2	7.34	37	47.97	22.646	8.48	-186.5	4.0	11.8
6/21/2005	1:30:28	27.11	52.254	34.34	107.9	7.08	36	47.99	22.693	8.46	-109.8	3.9	11.8
6/21/2005	2:00:28	27.11	50.906	33.35	100.4	6.62	36	48.01	22.729	8.43	-100.1	3.8	11.8
6/21/2005	2:30:28	27.11	50.872	33.33	91.6	6.05	35	48.06	22.763	8.40	-97.3	2.6	11.8
6/21/2005	3:00:28	27.12	51.383	33.70	90.1	5.93	35	48.13	22.800	8.40	-100.6	3.3	11.8
6/21/2005	3:30:28	27.11	51.054	33.46	85.9	5.66	33	48.20	22.857	8.39	-175.4	4.1	11.8
6/21/2005	4:00:28	27.12	50.257	32.87	81.8	5.41	33	48.28	22.917	8.37	-94.8	4.9	11.8
6/21/2005	4:30:28	27.14	51.316	33.65	85.0	5.60	33	48.37	22.969	8.38	-198.0	5.6	11.8
6/21/2005	5:00:28	27.16	50.633	33.15	85.0	5.61	33	48.47	23.050	8.38	-90.4	4.8	11.8
6/21/2005	5:30:28	27.15	51.378	33.70	82.9	5.45	33	48.56	23.102	8.36	-86.6	4.8	11.8
6/21/2005	6:00:28	27.16	50.453	33.02	79.7	5.26	33	48.67	23.184	8.35	-88.7	4.5	11.8
6/21/2005	6:30:28	27.15	52.298	34.38	76.0	4.98	33	48.75	23.219	8.34	-89.3	4.8	11.8
6/21/2005	7:00:28	26.37	50.328	32.95	79.1	5.30	33	48.84	23.298	8.35	-86.8	4.9	11.8
6/21/2005	7:30:28	26.05	49.784	32.55	84.6	5.71	33	48.91	23.351	8.39	-94.8	5.3	11.8
6/21/2005	8:00:28	26.10	50.350	32.97	79.9	5.38	33	48.98	23.396	8.39	-70.4	4.8	11.8
6/21/2005	8:30:28	26.01	50.089	32.78	79.1	5.33	33	49.03	23.433	8.39	-26.3	3.7	11.8
6/21/2005	9:00:28	25.98	49.885	32.63	75.2	5.08	33	49.08	23.467	8.38	-44.6	4.7	11.8
6/21/2005	9:30:28	25.97	49.883	32.63	71.1	4.80	32	49.11	23.488	8.37	-41.1	4.6	11.8
6/21/2005	10:00:28	25.98	51.398	33.74	73.0	4.90	33	49.14	23.490	8.37	-41.4	4.7	11.8
6/21/2005	10:30:28	26.00	50.976	33.43	70.1	4.71	33	49.16	23.510	8.37	-40.5	4.7	11.8
6/21/2005	11:00:28	26.04	50.984	33.44	72.0	4.84	33	49.18	23.524	8.37	-46.2	4.9	11.8
6/21/2005	11:30:27	26.02	54.331	35.92	70.0	4.64	32	49.20	23.497	8.37	-40.1	5.3	11.8
6/21/2005	12:00:28	26.06	54.277	35.88	72.1	4.77	33	49.19	23.486	8.37	-28.3	5.4	11.8
6/21/2005	12:30:28	26.08	54.260	35.86	76.6	5.07	33	49.20	23.492	8.38	-31.4	5.9	11.8
6/21/2005	13:00:28	26.09	54.259	35.86	83.7	5.54	33	49.17	23.474	8.40	-21.8	6.2	11.8
6/21/2005	13:30:28	26.10	54.256	35.86	100.7	6.66	35	49.16	23.469	8.44	-13.8	7.0	11.8
6/21/2005	14:00:28	26.17	54.234	35.84	117.0	7.73	36	49.15	23.462	8.48	-7.9	5.7	11.8
6/21/2005	14:30:28	25.88	54.146	35.78	117.3	7.79	36	49.13	23.444	8.54	-0.1	5.0	11.8
6/21/2005	15:00:28	25.76	54.143	35.78	122.9	8.18	37	49.11	23.435	8.56	4.8	4.2	11.8
6/21/2005	15:30:28	25.74	54.154	35.79	138.6	9.23	39	49.08	23.411	8.59	15.5	4.5	11.8
6/21/2005	16:00:28	25.75	54.156	35.79	138.4	9.21	39	49.04	23.382	8.59	18.9	3.6	11.8
6/21/2005	16:30:28	25.81	54.150	35.79	147.3	9.80	39	49.01	23.365	8.61	18.4	12.2	11.8
6/21/2005	17:00:28	25.83	54.150	35.79	152.4	10.14	40	48.98	23.344	8.62	25.4	3.7	11.8
6/21/2005	17:30:28	25.85	54.142	35.78	162.3	10.78	41	48.93	23.307	8.64	32.4	3.4	11.8
6/21/2005	18:00:28	25.90	54.143	35.78	173.2	11.51	42	48.88	23.273	8.69	35.5	3.9	11.8
6/21/2005	18:30:28	25.91	54.154	35.79	176.8	11.74	42	48.81	23.226	8.71	34.4	3.9	11.8
6/21/2005	19:00:28	25.94	52.976	34.91	173.6	11.58	42	48.74	23.196	8.67	24.0	4.0	11.7
6/21/2005	19:30:28	25.95	54.146	35.78	169.9	11.27	42	48.66	23.126	8.60	-7.6	4.6	11.8
6/21/2005	20:00:28	25.97	54.131	35.77	155.2	10.29	40	48.57	23.063	8.60	52.7	4.0	11.8
6/21/2005	20:30:28	26.00	54.144	35.78	179.3	11.89	42	48.50	23.012	8.63	39.0	4.4	11.8
6/21/2005	21:00:28	26.02	54.144	35.78	174.0	11.53	43	48.41	22.954	8.61	-2.3	5.0	11.8
6/21/2005	21:30:28	26.05	54.144	35.78	171.8	11.38	42	48.33	22.897	8.61	4.4	4.4	11.8
6/21/2005	22:00:28	26.07	54.140	35.77	159.1	10.53	41	48.23	22.832	8.61	9.4	4.2	11.7
6/21/2005	22:30:28	26.09	54.152	35.78	154.4	10.22	41	48.16	22.779	8.61	3.0	6.3	11.8
6/21/2005	23:00:27	26.11	54.148	35.78	151.0	9.99	41	48.08	22.726	8.59	-4.9	6.2	11.8
6/21/2005	23:30:28	26.12	54.149	35.78	139.1	9.20	39	48.04	22.696	8.56	-10.9	6.2	11.7
6/22/2005	0:00:28	26.12	54.140	35.77	132.9	8.79	38	47.98	22.660	8.54	-21.1	4.3	11.8
6/22/2005	0:30:28	26.13	54.124	35.76	119.4	7.90	37	47.95	22.640	8.50	-26.2	4.2	11.8
6/22/2005	1:00:28	26.16	54.124	35.76	112.5	7.44	37	47.94	22.632	8.48	-29.1	4.1	11.7
6/22/2005	1:30:28	26.18	54.135	35.77	105.7	6.99	36	47.93	22.625	8.48	-28.5	4.7	11.8
6/22/2005	2:00:28	26.31	54.109	35.74	104.4	6.89	36	47.93	22.627	8.47	-34.6	4.7	11.8
6/22/2005	2:30:28	26.26	54.128	35.76	101.4	6.69	36	47.99	22.667	8.45	-28.8	5.3	11.8
6/22/2005	3:00:28	26.32	54.124	35.75	91.6	6.04	35	48.03	22.695	8.42	-31.2	6.7	11.8
6/22/2005	3:30:28	26.47	54.104	35.74	87.3	5.74	33	48.08	22.732	8.42	-27.7	0.7	11.7
6/22/2005	4:00:28	26.49	54.099	35.73	89.0	5.85	35	48.15	22.780	8.41	-29.4	0.9	11.8
6/22/2005	4:30:28	26.51	54.113	35.74	81.9	5.38	33	48.25	22.844	8.40	-31.6	1.0	11.8
6/22/2005	5:00:28	26.54	54.119	35.74	79.0	5.19	33	48.35	22.915	8.39	-36.4	0.9	11.7

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/22/2005	5:30:28	26.55	54.113	35.74	74.3	4.88	33	48.44	22.974	8.37	-30.7	1.0	11.7
6/22/2005	6:00:28	26.54	54.117	35.74	70.4	4.63	33	48.54	23.046	8.36	-87.0	0.9	11.7
6/22/2005	6:30:28	26.61	54.102	35.73	70.6	4.63	33	48.64	23.113	8.36	-111.0	1.2	11.7
6/22/2005	7:00:28	26.64	54.086	35.72	67.6	4.44	33	48.74	23.183	8.35	-104.3	1.2	11.7
6/22/2005	7:30:28	26.65	54.107	35.73	63.3	4.15	32	48.84	23.256	8.34	-33.9	1.3	11.7
6/22/2005	8:00:28	26.63	54.099	35.73	61.1	4.01	32	48.94	23.320	8.34	-77.4	1.2	11.7
6/22/2005	8:30:28	26.59	54.098	35.73	79.2	5.20	33	49.03	23.380	8.41	-63.3	1.3	11.7
6/22/2005	9:00:28	26.56	54.075	35.71	82.8	5.44	33	49.10	23.429	8.42	-33.5	1.2	11.7
6/22/2005	9:30:28	26.35	54.036	35.69	88.3	5.82	33	49.14	23.460	8.44	-39.2	1.0	11.7
6/22/2005	10:00:28	26.30	54.031	35.69	87.9	5.80	33	49.19	23.491	8.44	-19.6	1.0	11.7
6/22/2005	10:30:28	26.19	54.046	35.70	89.5	5.92	35	49.23	23.520	8.44	-35.2	1.0	11.7
6/22/2005	11:00:28	26.16	54.102	35.74	89.8	5.94	33	49.26	23.537	8.46	-39.4	1.0	11.7
6/22/2005	11:30:27	26.18	54.106	35.74	90.2	5.96	33	49.29	23.562	8.46	-31.1	1.2	11.7
6/22/2005	12:00:28	26.19	54.125	35.76	92.3	6.10	35	49.31	23.571	8.46	-30.0	1.5	11.7
6/22/2005	12:30:28	26.17	54.165	35.79	97.8	6.46	35	49.31	23.571	8.47	-69.1	1.7	11.7
6/22/2005	13:00:28	26.16	53.241	35.10	102.8	6.82	36	49.29	23.573	8.48	-44.2	2.3	11.7
6/22/2005	13:30:28	26.19	54.173	35.79	120.8	7.99	37	49.29	23.561	8.50	-26.5	1.7	11.7
6/22/2005	14:00:28	26.16	54.161	35.79	126.5	8.37	38	49.29	23.558	8.53	-25.5	2.3	11.7
6/22/2005	14:30:28	25.98	54.147	35.78	123.8	8.21	38	49.26	23.539	8.54	-10.3	1.8	11.7
6/22/2005	15:00:28	25.86	54.165	35.80	119.5	7.94	38	49.24	23.524	8.54	23.2	1.4	11.7
6/22/2005	15:30:28	25.82	54.200	35.82	126.0	8.38	38	49.21	23.503	8.55	-20.8	4.2	11.7
6/22/2005	16:00:28	25.80	54.244	35.86	132.9	8.84	39	49.18	23.480	8.56	-4.8	5.3	11.7
6/22/2005	16:30:28	25.76	54.268	35.88	136.3	9.07	39	49.14	23.453	8.57	41.0	2.2	11.7
6/22/2005	17:00:28	25.75	54.263	35.87	142.4	9.47	40	49.10	23.425	8.59	-23.2	2.9	11.7
6/22/2005	17:30:28	25.73	54.281	35.89	144.7	9.63	40	49.06	23.395	8.60	-3.8	1.8	11.7
6/22/2005	18:00:28	25.72	54.304	35.90	142.1	9.46	40	49.00	23.356	8.61	13.9	1.7	11.7
6/22/2005	18:30:28	25.77	54.303	35.90	144.7	9.62	40	48.95	23.319	8.62	19.0	1.5	11.7
6/22/2005	19:00:28	25.79	54.304	35.90	166.9	11.10	41	48.87	23.265	8.63	23.5	1.4	11.7
6/22/2005	19:30:28	25.81	54.309	35.91	162.2	10.78	41	48.80	23.216	8.60	22.3	2.0	11.7
6/22/2005	20:00:28	25.85	54.308	35.90	173.7	11.54	42	48.71	23.159	8.59	10.2	2.1	11.7
6/22/2005	20:30:28	25.87	54.301	35.90	161.3	10.71	41	48.65	23.114	8.59	29.7	1.6	11.7
6/22/2005	21:00:28	25.92	54.280	35.88	141.4	9.38	40	48.56	23.055	8.58	26.4	2.1	11.7
6/22/2005	21:30:28	25.92	54.298	35.89	148.8	9.87	40	48.47	22.989	8.58	13.3	2.2	11.7
6/22/2005	22:00:28	25.93	54.299	35.90	144.2	9.56	40	48.35	22.909	8.59	16.4	2.8	11.7
6/22/2005	22:30:28	25.96	54.278	35.88	139.0	9.21	40	48.28	22.864	8.57	6.4	3.4	11.7
6/22/2005	23:00:27	25.96	54.284	35.88	125.6	8.33	38	48.20	22.804	8.54	-17.2	3.0	11.7
6/22/2005	23:30:28	25.96	54.280	35.88	127.0	8.42	38	48.11	22.742	8.54	-17.8	7.4	11.7
6/23/2005	0:00:28	25.97	54.276	35.88	121.7	8.07	38	48.06	22.708	8.53	-11.7	9.5	11.7
6/23/2005	0:30:28	25.98	54.263	35.87	116.9	7.75	38	47.98	22.656	8.52	-27.2	2.5	11.7
6/23/2005	1:00:28	25.98	54.230	35.84	111.2	7.37	37	47.94	22.629	8.51	-83.5	2.3	11.7
6/23/2005	1:30:28	25.98	54.210	35.83	107.0	7.10	37	47.92	22.617	8.49	-81.6	3.7	11.7
6/23/2005	2:00:28	25.97	54.202	35.82	106.1	7.04	37	47.91	22.610	8.49	-73.7	2.9	11.7
6/23/2005	2:30:28	25.96	54.204	35.82	101.9	6.76	36	47.90	22.600	8.48	-61.2	3.6	11.7
6/23/2005	3:00:28	25.96	54.196	35.82	100.5	6.67	36	47.92	22.614	8.47	-46.5	3.7	11.7
6/23/2005	3:30:28	25.96	54.176	35.80	97.3	6.45	36	47.95	22.637	8.46	-45.6	4.5	11.7
6/23/2005	4:00:28	25.96	54.209	35.83	94.4	6.26	35	48.01	22.677	8.45	-43.2	2.3	11.7
6/23/2005	4:30:28	25.96	54.170	35.80	88.7	5.88	33	48.08	22.722	8.43	-46.7	1.9	11.7
6/23/2005	5:00:28	25.96	54.154	35.79	88.0	5.84	33	48.12	22.750	8.43	-43.9	2.0	11.7
6/23/2005	5:30:28	25.96	54.119	35.76	86.8	5.76	33	48.24	22.833	8.43	-41.3	2.8	11.7
6/23/2005	6:00:28	25.96	54.078	35.73	84.8	5.63	33	48.33	22.895	8.42	-39.4	2.5	11.7
6/23/2005	6:30:28	25.96	54.072	35.73	78.0	5.18	33	48.43	22.969	8.40	-26.5	2.6	11.7
6/23/2005	7:00:28	25.96	54.031	35.69	77.7	5.16	33	48.53	23.038	8.39	-45.3	3.7	11.7
6/23/2005	7:30:28	25.96	53.958	35.64	76.0	5.04	33	48.64	23.112	8.39	-46.0	2.7	11.7
6/23/2005	8:00:28	25.96	53.972	35.65	72.7	4.82	33	48.77	23.203	8.38	-46.8	1.8	11.7
6/23/2005	8:30:28	25.96	53.932	35.62	70.6	4.69	33	48.84	23.252	8.37	-48.6	1.7	11.7
6/23/2005	9:00:28	25.95	53.912	35.61	65.3	4.34	32	48.93	23.310	8.36	-37.7	2.3	11.7
6/23/2005	9:30:28	25.94	53.860	35.57	64.5	4.29	33	49.00	23.365	8.35	-32.5	2.8	11.7
6/23/2005	10:00:28	25.94	52.424	34.50	62.3	4.17	33	49.07	23.426	8.35	-34.0	2.0	11.7
6/23/2005	10:30:28	25.97	53.893	35.59	72.9	4.84	33	49.14	23.459	8.40	-35.8	3.4	11.7
6/23/2005	11:00:28	25.96	53.886	35.59	66.8	4.44	32	49.22	23.512	8.37	-29.4	3.5	11.7
6/23/2005	11:30:27	25.97	53.890	35.59	69.7	4.63	33	49.22	23.513	8.38	-36.0	4.7	11.7
6/23/2005	12:00:28	25.96	53.918	35.61	74.0	4.92	33	49.25	23.536	8.39	-50.0	2.6	11.7
6/23/2005	12:30:28	25.92	53.974	35.65	71.2	4.73	33	49.29	23.563	8.38	-33.0	3.8	11.7
6/23/2005	13:00:28	25.84	54.122	35.77	80.0	5.32	33	49.28	23.548	8.39	-19.7	4.8	11.7
6/23/2005	13:30:28	25.77	54.272	35.88	87.6	5.83	33	49.31	23.569	8.41	-9.4	3.8	11.7

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/23/2005	14:00:28	25.73	54.370	35.95	90.4	6.02	35	49.32	23.575	8.44	-6.5	3.7	11.7
6/23/2005	14:30:28	25.71	54.417	35.99	114.6	7.63	37	49.31	23.569	8.50	5.5	3.4	11.7
6/23/2005	15:00:28	25.70	54.415	35.99	119.7	7.97	38	49.30	23.558	8.52	37.0	3.6	11.7
6/23/2005	15:30:28	25.69	54.418	35.99	127.7	8.50	39	49.27	23.537	8.56	12.0	4.1	11.7
6/23/2005	16:00:28	25.66	54.451	36.02	123.7	8.24	38	49.24	23.520	8.54	22.6	4.0	11.7
6/23/2005	16:30:28	25.60	54.517	36.07	127.4	8.49	38	49.21	23.492	8.54	22.7	3.0	11.7
6/23/2005	17:00:28	25.56	54.544	36.09	132.0	8.80	38	49.19	23.481	8.56	23.9	2.9	11.7
6/23/2005	17:30:28	25.60	53.713	35.47	143.1	9.57	39	49.17	23.481	8.60	39.5	3.7	11.7
6/23/2005	18:00:28	25.60	54.544	36.09	143.6	9.57	39	49.11	23.424	8.61	47.9	7.5	11.7
6/23/2005	18:30:28	25.63	54.528	36.07	155.5	10.35	40	49.06	23.393	8.64	42.1	5.6	11.7
6/23/2005	19:00:28	25.66	54.540	36.08	150.4	10.01	40	49.01	23.361	8.61	40.4	7.8	11.7
6/23/2005	19:30:28	25.69	54.536	36.08	155.3	10.33	41	48.94	23.308	8.59	38.8	8.9	11.7
6/23/2005	20:00:28	25.71	54.518	36.06	139.5	9.28	39	48.89	23.275	8.56	41.0	4.5	11.7
6/23/2005	20:30:28	25.72	54.515	36.06	163.2	10.85	41	48.83	23.231	8.58	38.4	4.8	11.7
6/23/2005	21:00:28	25.74	54.481	36.04	153.2	10.19	40	48.75	23.183	8.57	32.6	5.9	11.7
6/23/2005	21:30:28	25.79	54.479	36.03	136.3	9.05	39	48.66	23.116	8.55	-8.3	6.5	11.7
6/23/2005	22:00:28	25.79	54.445	36.01	134.0	8.91	39	48.57	23.060	8.55	-8.2	7.0	11.7
6/23/2005	22:30:28	25.64	54.118	35.77	134.7	8.99	39	48.49	23.003	8.56	0.1	7.3	11.7
6/23/2005	23:00:27	25.45	54.090	35.75	117.1	7.84	37	48.41	22.947	8.54	-10.5	2.1	11.7
6/23/2005	23:30:28	25.29	54.147	35.80	108.3	7.26	36	48.32	22.882	8.51	-29.4	4.2	11.7
6/24/2005	0:00:28	25.24	54.153	35.80	106.4	7.14	36	48.21	22.809	8.51	-26.4	5.4	11.7
6/24/2005	0:30:28	25.25	54.139	35.79	100.2	6.73	35	48.16	22.772	8.50	-35.4	5.7	11.7
6/24/2005	1:00:28	25.25	54.138	35.79	95.6	6.42	35	48.07	22.715	8.49	-33.0	4.4	11.7
6/24/2005	1:30:28	25.26	54.122	35.78	92.5	6.21	35	48.03	22.687	8.48	-34.3	5.0	11.7
6/24/2005	2:00:28	25.27	54.123	35.78	89.0	5.97	35	47.98	22.652	8.47	-11.1	3.9	11.7
6/24/2005	2:30:28	25.28	54.125	35.78	86.2	5.79	35	47.95	22.629	8.46	-15.6	5.1	11.7
6/24/2005	3:00:28	25.28	54.120	35.78	84.9	5.69	33	47.95	22.628	8.46	-19.5	7.1	11.7
6/24/2005	3:30:28	25.29	54.114	35.77	81.0	5.44	33	47.94	22.627	8.45	-19.6	3.1	11.7
6/24/2005	4:00:28	25.30	54.082	35.75	78.6	5.28	33	47.94	22.623	8.43	-18.2	5.4	11.7
6/24/2005	4:30:28	25.30	54.113	35.77	75.8	5.09	33	48.01	22.671	8.43	-21.9	4.0	11.7
6/24/2005	5:00:28	25.31	54.102	35.76	74.8	5.02	33	48.04	22.697	8.42	-24.6	5.4	11.7
6/24/2005	5:30:28	25.32	54.099	35.76	69.2	4.64	33	48.11	22.743	8.41	-20.2	3.5	11.7
6/24/2005	6:00:28	25.32	54.096	35.76	66.4	4.45	33	48.15	22.772	8.39	-19.3	4.2	11.7
6/24/2005	6:30:28	25.33	54.074	35.74	66.2	4.44	32	48.25	22.837	8.39	-25.6	4.3	11.7
6/24/2005	7:00:28	25.34	54.042	35.72	63.1	4.23	33	48.34	22.902	8.38	-23.1	3.4	11.7
6/24/2005	7:30:28	25.34	54.041	35.72	61.0	4.09	32	48.42	22.958	8.37	-23.8	4.3	11.7
6/24/2005	8:00:28	25.35	54.032	35.71	56.7	3.80	32	48.52	23.023	8.35	-26.0	10.4	11.7
6/24/2005	8:30:28	25.36	54.007	35.69	55.6	3.73	32	48.63	23.099	8.35	-23.5	9.2	11.7
6/24/2005	9:00:28	25.36	54.012	35.70	51.8	3.47	30	48.71	23.153	8.33	-24.1	10.8	11.7
6/24/2005	9:30:28	25.37	54.000	35.69	51.1	3.43	30	48.80	23.218	8.33	-25.0	9.4	11.7
6/24/2005	10:00:28	25.37	53.974	35.67	52.0	3.48	30	48.91	23.292	8.33	-26.3	11.9	11.7
6/24/2005	10:30:28	25.38	53.969	35.66	49.9	3.34	30	49.00	23.356	8.33	-25.7	9.5	11.6
6/24/2005	11:00:28	25.38	53.951	35.65	49.1	3.29	30	49.04	23.381	8.32	-25.1	12.3	11.7
6/24/2005	11:30:27	25.39	53.920	35.63	53.3	3.58	30	49.09	23.417	8.33	-24.5	6.2	11.6
6/24/2005	12:00:28	25.38	53.906	35.62	53.9	3.62	30	49.12	23.440	8.33	-23.7	9.7	11.7
6/24/2005	12:30:28	25.38	53.906	35.62	55.5	3.72	30	49.17	23.471	8.33	-18.6	8.4	11.7
6/24/2005	13:00:28	25.38	53.894	35.61	73.7	4.94	33	49.19	23.484	8.36	-5.3	11.4	11.7
6/24/2005	13:30:28	25.39	53.885	35.60	81.2	5.44	33	49.22	23.511	8.37	-3.4	11.3	11.7
6/24/2005	14:00:28	25.41	53.858	35.58	96.5	6.47	35	49.23	23.515	8.40	7.1	9.2	11.7
6/24/2005	14:30:28	25.41	53.864	35.58	98.8	6.62	35	49.25	23.528	8.41	14.0	8.6	11.7
6/24/2005	15:00:28	25.42	53.864	35.58	104.2	6.98	36	49.22	23.508	8.44	23.4	9.4	11.6
6/24/2005	15:30:28	25.44	53.852	35.57	100.0	6.70	36	49.22	23.507	8.44	25.5	9.9	11.7
6/24/2005	16:00:28	25.49	53.857	35.58	115.6	7.74	37	49.21	23.500	8.47	31.1	8.5	11.6
6/24/2005	16:30:28	25.49	52.313	34.43	114.2	7.69	36	49.19	23.508	8.46	27.9	8.4	11.7
6/24/2005	17:00:28	25.52	53.860	35.58	117.0	7.83	37	49.19	23.486	8.49	32.3	7.5	11.6
6/24/2005	17:30:28	25.57	53.973	35.66	125.3	8.37	38	49.16	23.469	8.53	34.4	9.7	11.7
6/24/2005	18:00:28	25.59	53.886	35.60	141.9	9.48	39	49.14	23.458	8.57	35.4	9.2	11.7
6/24/2005	18:30:28	25.63	53.862	35.58	145.4	9.71	39	49.10	23.431	8.59	41.9	8.3	11.7
6/24/2005	19:00:28	25.67	53.854	35.57	149.2	9.96	40	49.06	23.404	8.56	41.9	11.2	11.7
6/24/2005	19:30:28	25.70	53.846	35.56	172.1	11.48	42	49.03	23.383	8.54	46.0	8.4	11.7
6/24/2005	20:00:28	25.74	53.822	35.54	173.8	11.59	42	48.98	23.349	8.53	40.1	10.7	11.7
6/24/2005	20:30:28	25.78	53.827	35.55	153.3	10.21	41	48.94	23.321	8.53	37.3	12.6	11.7
6/24/2005	21:00:28	25.84	53.806	35.53	147.7	9.84	40	48.88	23.282	8.53	31.0	13.6	11.7
6/24/2005	21:30:28	25.98	53.784	35.51	144.7	9.61	40	48.83	23.243	8.52	-1.6	12.8	11.7
6/24/2005	22:00:28	26.23	53.779	35.50	128.9	8.53	38	48.76	23.203	8.53	17.6	9.8	11.7

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/24/2005	22:30:28	27.28	53.947	35.60	122.8	7.98	38	48.70	23.162	8.55	-167.6	11.8	11.7
6/24/2005	23:00:27	27.45	54.054	35.67	110.6	7.17	37	48.62	23.106	8.52	11.7	12.6	11.7
6/24/2005	23:30:28	26.98	53.900	35.57	109.4	7.15	37	48.53	23.047	8.49	7.0	8.2	11.7
6/25/2005	0:00:28	27.31	53.956	35.60	102.5	6.65	36	48.43	22.978	8.47	-5.8	8.4	11.7
6/25/2005	0:30:28	27.33	53.962	35.61	93.3	6.06	35	48.38	22.945	8.45	-12.4	8.9	11.7
6/25/2005	1:00:28	26.95	53.948	35.61	83.1	5.43	33	48.29	22.877	8.41	-15.9	12.0	11.6
6/25/2005	1:30:28	27.05	53.917	35.58	79.4	5.18	33	48.24	22.845	8.41	-17.1	12.5	11.7
6/25/2005	2:00:28	27.05	53.925	35.59	77.5	5.05	33	48.17	22.800	8.40	-18.0	7.8	11.6
6/25/2005	2:30:28	27.35	53.971	35.61	72.9	4.73	33	48.14	22.780	8.41	-19.0	8.7	11.6
6/25/2005	3:00:28	27.47	54.027	35.65	73.5	4.76	33	48.09	22.743	8.39	-167.3	11.7	11.7
6/25/2005	3:30:28	27.38	54.015	35.64	64.3	4.17	33	48.08	22.735	8.36	-142.7	6.5	11.6
6/25/2005	4:00:28	27.32	54.016	35.65	60.5	3.93	33	48.06	22.725	8.34	-118.1	8.6	11.7
6/25/2005	4:30:28	27.33	54.027	35.65	59.5	3.86	32	48.05	22.717	8.34	5.4	6.3	11.6
6/25/2005	5:00:28	27.38	54.023	35.65	53.3	3.46	32	48.05	22.719	8.33	27.1	11.4	11.7
6/25/2005	5:30:28	27.38	54.016	35.64	54.9	3.56	32	48.11	22.761	8.34	-54.5	10.6	11.6
6/25/2005	6:00:28	27.38	54.023	35.65	51.7	3.35	32	48.14	22.781	8.32	-67.1	13.7	11.6
6/25/2005	6:30:28	27.38	54.030	35.65	50.9	3.30	30	48.16	22.792	8.32	-58.8	6.2	11.6
6/25/2005	7:00:28	27.40	54.016	35.64	46.4	3.01	30	48.24	22.846	8.31	-91.6	6.4	11.6
6/25/2005	7:30:28	27.42	54.009	35.64	45.8	2.97	30	48.32	22.905	8.31	-59.5	10.8	11.7
6/25/2005	8:00:28	27.39	53.998	35.63	40.4	2.62	29	48.41	22.967	8.29	-36.6	6.9	11.6
6/25/2005	8:30:28	27.47	54.001	35.63	44.4	2.88	30	48.50	23.024	8.31	-36.6	4.4	11.6
6/25/2005	9:00:28	27.49	54.007	35.63	42.6	2.76	29	48.59	23.087	8.30	-32.7	13.6	11.6
6/25/2005	9:30:28	28.22	54.167	35.73	71.0	4.54	33	48.68	23.156	8.40	-34.9	15.2	11.6
6/25/2005	10:00:28	28.60	54.316	35.83	86.5	5.49	35	48.74	23.194	8.45	-31.5	4.0	11.6
6/25/2005	10:30:28	28.34	54.260	35.80	87.5	5.58	35	48.82	23.254	8.43	-29.4	4.0	11.6
6/25/2005	11:00:28	28.08	52.720	34.66	93.3	6.01	36	48.91	23.329	8.44	-27.8	1.8	11.6
6/25/2005	11:30:27	28.03	54.203	35.76	90.8	5.82	36	48.97	23.350	8.44	-25.6	4.0	11.6
6/25/2005	12:00:28	27.91	54.212	35.77	95.1	6.11	35	49.00	23.372	8.45	-20.9	2.3	11.6
6/25/2005	12:30:28	27.88	54.210	35.77	100.3	6.45	36	49.06	23.415	8.46	-15.7	5.0	11.6
6/25/2005	13:00:28	27.78	54.226	35.79	104.1	6.70	36	49.11	23.445	8.48	-7.7	1.9	11.6
6/25/2005	13:30:28	27.48	54.169	35.75	116.3	7.52	37	49.13	23.460	8.49	-2.0	3.5	11.6
6/25/2005	14:00:28	26.91	54.029	35.67	116.7	7.63	37	49.15	23.472	8.50	8.7	1.9	11.6
6/25/2005	14:30:28	26.38	53.927	35.61	118.7	7.82	37	49.16	23.472	8.52	13.8	2.1	11.6
6/25/2005	15:00:28	25.93	53.875	35.58	121.6	8.08	38	49.15	23.464	8.54	21.9	2.3	11.6
6/25/2005	15:30:28	25.69	53.931	35.63	121.6	8.11	37	49.14	23.456	8.55	25.9	2.1	11.6
6/25/2005	16:00:28	25.52	54.082	35.74	116.8	7.81	37	49.14	23.453	8.55	30.2	2.5	11.6
6/25/2005	16:30:28	25.49	54.162	35.80	124.7	8.34	38	49.13	23.443	8.58	31.7	3.6	11.6
6/25/2005	17:00:28	25.47	54.140	35.79	122.7	8.21	37	49.11	23.429	8.58	30.2	3.4	11.6
6/25/2005	17:30:28	25.38	54.229	35.86	127.1	8.51	38	49.08	23.408	8.61	38.8	2.1	11.6
6/25/2005	18:00:28	25.38	54.249	35.87	139.2	9.32	39	49.07	23.401	8.65	52.7	2.3	11.6
6/25/2005	18:30:28	25.35	54.287	35.90	143.8	9.63	39	49.07	23.399	8.65	46.3	2.3	11.6
6/25/2005	19:00:28	25.45	54.315	35.92	136.8	9.15	39	49.03	23.374	8.64	53.5	2.1	11.6
6/25/2005	19:30:28	25.48	54.339	35.94	126.7	8.47	38	49.03	23.371	8.60	23.7	2.5	11.6
6/25/2005	20:00:28	25.49	54.365	35.96	136.1	9.09	39	49.00	23.350	8.61	96.1	3.7	11.6
6/25/2005	20:30:28	25.54	54.424	36.00	139.1	9.28	40	48.95	23.317	8.59	94.2	4.2	11.6
6/25/2005	21:00:28	25.60	54.526	36.07	131.3	8.75	39	48.92	23.296	8.58	67.5	3.4	11.6
6/25/2005	21:30:28	25.68	54.616	36.14	137.2	9.13	40	48.87	23.257	8.59	56.3	2.0	11.6
6/25/2005	22:00:28	25.73	54.656	36.17	130.9	8.70	38	48.85	23.245	8.58	42.7	2.3	11.6
6/25/2005	22:30:28	25.73	54.672	36.18	120.7	8.02	38	48.79	23.201	8.57	40.5	4.0	11.6
6/25/2005	23:00:27	25.70	54.624	36.14	115.2	7.66	37	48.72	23.157	8.54	52.5	4.9	11.6
6/25/2005	23:30:28	25.70	54.622	36.14	112.1	7.45	37	48.68	23.129	8.53	5.7	8.6	11.6
6/26/2005	0:00:28	25.69	54.603	36.13	106.5	7.09	36	48.59	23.066	8.51	-1.0	7.2	11.6
6/26/2005	0:30:28	25.68	54.580	36.11	99.8	6.64	36	48.53	23.029	8.50	14.4	6.8	11.6
6/26/2005	1:00:28	25.67	54.561	36.10	94.6	6.29	36	48.50	23.003	8.49	-31.1	7.8	11.6
6/26/2005	1:30:28	25.60	54.521	36.07	92.0	6.13	35	48.41	22.946	8.48	-26.9	8.0	11.6
6/26/2005	2:00:28	25.54	54.454	36.02	87.6	5.85	33	48.35	22.906	8.46	-1.0	9.5	11.6
6/26/2005	2:30:28	25.50	54.375	35.96	84.4	5.64	33	48.27	22.853	8.45	-1.1	11.3	11.6
6/26/2005	3:00:28	25.51	54.379	35.97	80.4	5.37	33	48.24	22.826	8.44	-8.3	18.3	11.6
6/26/2005	3:30:28	25.49	54.361	35.95	80.7	5.39	33	48.20	22.803	8.44	-50.3	7.2	11.6
6/26/2005	4:00:28	25.50	54.390	35.97	78.5	5.24	33	48.17	22.781	8.44	-2.7	5.6	11.6
6/26/2005	4:30:28	25.49	54.372	35.96	79.8	5.33	33	48.17	22.778	8.44	-5.3	5.8	11.6
6/26/2005	5:00:28	25.49	54.368	35.96	77.5	5.18	33	48.15	22.767	8.43	-7.3	4.5	11.6
6/26/2005	5:30:28	25.48	54.371	35.96	75.8	5.07	33	48.13	22.753	8.43	-8.0	5.7	11.6
6/26/2005	6:00:28	25.48	54.356	35.95	75.3	5.03	33	48.16	22.771	8.43	-8.7	5.2	11.6
6/26/2005	6:30:28	25.47	54.340	35.94	72.6	4.85	33	48.18	22.787	8.41	-12.2	5.4	11.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/26/2005	7:00:28	25.47	54.082	35.74	70.9	4.74	33	48.20	22.803	8.41	-10.5	4.8	11.6
6/26/2005	7:30:28	25.46	54.316	35.92	71.2	4.76	33	48.28	22.854	8.41	0.4	3.8	11.6
6/26/2005	8:00:28	25.47	54.305	35.91	66.9	4.47	32	48.32	22.886	8.39	-13.2	4.3	11.6
6/26/2005	8:30:28	25.41	53.918	35.62	86.5	5.80	33	48.39	22.935	8.47	-8.9	3.2	11.6
6/26/2005	9:00:28	25.39	53.992	35.68	91.3	6.12	35	48.44	22.973	8.48	-8.8	3.7	11.6
6/26/2005	9:30:28	25.38	54.030	35.71	90.1	6.04	35	48.53	23.033	8.48	-6.9	1214.7	11.6
6/26/2005	10:00:28	25.48	54.330	35.93	93.0	6.21	35	48.61	23.081	8.48	-6.8	5.8	11.6
6/26/2005	10:30:28	25.58	54.402	35.98	90.8	6.06	33	48.70	23.143	8.48	-4.5	5.3	11.6
6/26/2005	11:00:28	25.62	54.422	36.00	92.6	6.17	35	48.77	23.194	8.48	-3.0	6.5	11.6
6/26/2005	11:30:27	25.63	54.490	36.05	91.0	6.06	35	48.83	23.231	8.48	-3.3	5.7	11.6
6/26/2005	12:00:28	25.61	54.451	36.02	96.4	6.42	35	48.90	23.280	8.49	2.0	11.4	11.6
6/26/2005	12:30:28	25.52	54.428	36.00	99.7	6.66	36	48.94	23.311	8.50	8.8	6.4	11.6
6/26/2005	13:00:28	25.43	54.432	36.01	104.2	6.97	37	48.99	23.346	8.51	18.4	13.2	11.6
6/26/2005	13:30:28	25.38	54.464	36.03	105.9	7.09	36	49.03	23.373	8.51	3.6	9.4	11.6
6/26/2005	14:00:28	25.37	54.463	36.03	120.3	8.05	38	49.04	23.374	8.54	41.9	9.4	11.6
6/26/2005	14:30:28	25.30	54.399	35.99	128.3	8.60	39	49.07	23.396	8.55	49.6	8.2	11.6
6/26/2005	15:00:28	25.23	54.340	35.94	123.2	8.27	38	49.08	23.403	8.56	58.6	6.8	11.6
6/26/2005	15:30:28	25.21	54.305	35.92	111.3	7.47	36	49.08	23.408	8.54	43.7	14.7	11.6
6/26/2005	16:00:28	25.21	53.158	35.06	122.8	8.28	38	49.07	23.416	8.57	76.0	4.2	11.6
6/26/2005	16:30:28	25.25	54.275	35.89	119.9	8.04	38	49.06	23.395	8.59	93.7	5.9	11.6
6/26/2005	17:00:28	25.19	54.313	35.92	111.9	7.51	37	49.05	23.385	8.58	85.7	5.8	11.6
6/26/2005	17:30:28	25.19	54.385	35.98	113.9	7.65	37	49.04	23.378	8.60	70.7	6.1	11.6
6/26/2005	18:00:28	25.19	54.438	36.02	114.5	7.68	37	49.01	23.358	8.62	79.0	6.1	11.6
6/26/2005	18:30:28	25.10	54.480	36.05	123.1	8.27	38	48.99	23.338	8.64	79.1	7.5	11.6
6/26/2005	19:00:28	25.04	53.431	35.27	141.7	9.58	40	48.98	23.349	8.61	79.3	10.5	11.6
6/26/2005	19:30:28	25.05	54.428	36.01	159.5	10.73	41	48.98	23.332	8.61	85.2	9.1	11.6
6/26/2005	20:00:28	25.07	54.208	35.85	141.9	9.55	39	48.97	23.331	8.59	58.9	7.6	11.6
6/26/2005	20:30:28	25.04	54.044	35.73	137.4	9.26	39	48.94	23.311	8.56	23.1	10.9	11.6
6/26/2005	21:00:28	25.03	53.902	35.62	138.8	9.36	39	48.94	23.312	8.57	57.0	10.6	11.6
6/26/2005	21:30:28	24.99	53.758	35.52	115.9	7.83	37	48.91	23.292	8.57	52.3	11.1	11.6
6/26/2005	22:00:28	24.98	53.749	35.51	118.8	8.02	37	48.89	23.280	8.58	49.0	11.1	11.6
6/26/2005	22:30:28	24.94	53.722	35.49	117.6	7.95	37	48.85	23.255	8.57	42.5	11.4	11.6
6/26/2005	23:00:27	24.90	53.756	35.52	104.0	7.04	36	48.84	23.245	8.53	19.4	10.4	11.6
6/26/2005	23:30:28	24.89	53.795	35.54	104.9	7.10	36	48.82	23.228	8.54	18.4	3.8	11.6
6/27/2005	0:00:28	24.86	53.853	35.59	101.0	6.83	36	48.78	23.201	8.52	7.4	3.7	11.6
6/27/2005	0:30:28	24.86	53.848	35.59	99.6	6.74	36	48.73	23.171	8.51	0.3	13.9	11.6
6/27/2005	1:00:28	24.88	53.917	35.64	97.0	6.56	35	48.71	23.150	8.51	-3.0	11.9	11.6
6/27/2005	1:30:28	24.86	53.942	35.66	93.1	6.30	35	48.66	23.119	8.51	3.6	10.3	11.6
6/27/2005	2:00:28	24.83	53.967	35.67	93.0	6.29	35	48.63	23.096	8.50	-5.0	13.4	11.6
6/27/2005	2:30:28	24.81	53.951	35.66	91.0	6.16	35	48.58	23.066	8.50	-5.4	7.9	11.6
6/27/2005	3:00:28	24.81	53.953	35.66	90.0	6.09	35	48.55	23.043	8.50	-4.1	14.5	11.6
6/27/2005	3:30:28	24.76	53.949	35.66	88.9	6.02	35	48.49	22.998	8.50	-3.3	8.5	11.6
6/27/2005	4:00:28	24.75	53.962	35.67	88.1	5.97	35	48.47	22.987	8.49	-2.5	14.8	11.6
6/27/2005	4:30:28	24.77	53.960	35.67	86.7	5.87	33	48.47	22.985	8.49	-6.0	14.2	11.6
6/27/2005	5:00:28	24.75	53.969	35.68	85.8	5.81	33	48.42	22.955	8.49	-7.1	12.8	11.6
6/27/2005	5:30:28	24.75	53.972	35.68	85.5	5.79	33	48.41	22.947	8.48	-6.6	11.2	11.6
6/27/2005	6:00:28	24.75	53.976	35.68	83.9	5.68	33	48.41	22.943	8.48	-6.7	15.8	11.6
6/27/2005	6:30:28	24.75	53.978	35.68	81.1	5.50	33	48.40	22.939	8.47	-5.1	14.5	11.6
6/27/2005	7:00:28	24.76	53.978	35.68	80.5	5.45	33	48.41	22.946	8.47	-5.3	12.2	11.6
6/27/2005	7:30:28	24.76	53.975	35.68	77.9	5.28	33	48.44	22.963	8.45	-1.8	15.8	11.6
6/27/2005	8:00:28	24.96	54.137	35.80	87.4	5.89	35	48.44	22.966	8.49	-4.6	16.7	11.6
6/27/2005	8:30:28	24.97	54.235	35.87	88.7	5.98	35	48.47	22.982	8.49	-4.4	15.6	11.6
6/27/2005	9:00:28	24.97	54.250	35.88	88.6	5.98	35	48.52	23.022	8.48	-2.3	11.9	11.6
6/27/2005	9:30:28	24.96	54.229	35.87	87.4	5.90	33	48.55	23.042	8.48	2.7	9.8	11.6
6/27/2005	10:00:28	24.94	54.217	35.86	86.9	5.86	33	48.63	23.094	8.48	2.7	13.7	11.6
6/27/2005	10:30:28	24.93	54.201	35.85	84.7	5.72	33	48.66	23.119	8.47	-18.5	16.6	11.6
6/27/2005	11:00:28	24.92	54.175	35.83	84.0	5.67	33	48.72	23.158	8.47	-12.3	14.4	11.6
6/27/2005	11:30:27	24.93	54.198	35.84	83.6	5.64	35	48.77	23.188	8.46	-8.2	16.7	11.6
6/27/2005	12:00:28	24.92	54.186	35.84	85.6	5.78	33	48.83	23.233	8.46	-2.1	11.5	11.6
6/27/2005	12:30:28	24.92	54.196	35.84	90.7	6.12	35	48.87	23.261	8.47	3.7	13.6	11.6
6/27/2005	13:00:28	24.91	54.212	35.86	99.4	6.71	36	48.91	23.288	8.49	13.3	7.4	11.6
6/27/2005	13:30:28	24.84	54.160	35.82	110.5	7.47	36	48.91	23.284	8.53	22.1	9.8	11.6
6/27/2005	14:00:28	24.83	54.243	35.88	125.1	8.46	38	48.94	23.305	8.55	28.6	7.0	11.6
6/27/2005	14:30:28	24.79	54.424	36.02	124.0	8.38	38	48.94	23.302	8.55	41.6	7.9	11.6
6/27/2005	15:00:28	24.79	54.429	36.02	125.3	8.47	38	48.94	23.301	8.55	49.6	13.8	11.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/27/2005	15:30:28	24.79	54.439	36.03	122.4	8.27	37	48.94	23.305	8.56	58.0	16.7	11.6
6/27/2005	16:00:28	24.79	54.469	36.05	124.1	8.38	38	48.92	23.292	8.57	63.1	12.2	11.6
6/27/2005	16:30:28	24.81	54.459	36.04	130.4	8.81	38	48.91	23.284	8.58	66.2	13.1	11.6
6/27/2005	17:00:28	24.82	54.445	36.03	133.3	9.01	39	48.91	23.283	8.59	78.3	8.9	11.6
6/27/2005	17:30:28	24.85	54.384	35.98	139.4	9.41	39	48.87	23.258	8.61	79.9	8.9	11.6
6/27/2005	18:00:28	24.88	54.343	35.95	134.8	9.10	38	48.84	23.240	8.62	83.6	11.4	11.6
6/27/2005	18:30:28	24.68	53.864	35.60	136.5	9.26	39	48.82	23.230	8.64	83.4	15.8	11.6
6/27/2005	19:00:28	24.72	53.942	35.66	145.6	9.87	40	48.80	23.211	8.63	86.5	15.5	11.6
6/27/2005	19:30:28	24.84	54.008	35.71	139.1	9.41	39	48.79	23.208	8.59	84.3	15.1	11.6
6/27/2005	20:00:28	24.95	54.057	35.74	148.7	10.03	40	48.78	23.198	8.58	78.1	14.2	11.6
6/27/2005	20:30:28	25.23	54.190	35.83	135.3	9.09	39	48.73	23.168	8.58	73.1	12.6	11.6
6/27/2005	21:00:28	25.61	54.544	36.09	128.6	8.57	39	48.75	23.178	8.57	60.9	11.1	11.6
6/27/2005	21:30:28	26.13	54.949	36.37	118.4	7.81	37	48.75	23.175	8.56	57.5	12.9	11.6
6/27/2005	22:00:28	26.29	55.039	36.44	120.5	7.92	38	48.73	23.164	8.54	48.7	10.2	11.6
6/27/2005	22:30:28	26.38	55.040	36.44	114.0	7.48	37	48.74	23.173	8.53	41.0	12.2	11.6
6/27/2005	23:00:27	26.46	55.113	36.49	110.6	7.25	37	48.73	23.162	8.52	30.6	10.0	11.6
6/27/2005	23:30:28	26.45	55.195	36.55	103.7	6.80	36	48.74	23.168	8.51	20.8	16.6	11.6
6/28/2005	0:00:28	26.45	55.246	36.59	100.4	6.58	36	48.71	23.151	8.49	8.4	14.5	11.6
6/28/2005	0:30:28	26.46	55.446	36.74	100.9	6.61	36	48.71	23.148	8.49	5.1	8.9	11.6
6/28/2005	1:00:28	26.33	55.479	36.77	99.1	6.50	35	48.73	23.155	8.48	-0.4	5.8	11.6
6/28/2005	1:30:28	26.28	55.527	36.80	98.2	6.44	36	48.70	23.139	8.48	-6.5	2.1	11.6
6/28/2005	2:00:28	26.28	55.492	36.78	94.2	6.18	36	48.69	23.130	8.48	-6.2	4.8	11.6
6/28/2005	2:30:28	26.03	55.427	36.73	94.4	6.22	35	48.68	23.120	8.48	-5.2	31.1	11.6
6/28/2005	3:00:28	25.73	55.306	36.65	97.7	6.48	36	48.67	23.118	8.48	-4.6	4.0	11.6
6/28/2005	3:30:28	25.48	55.137	36.53	95.7	6.38	36	48.64	23.097	8.48	-4.3	6.2	11.6
6/28/2005	4:00:28	25.23	55.018	36.45	97.2	6.50	36	48.61	23.072	8.49	-4.1	4.1	11.6
6/28/2005	4:30:28	25.13	55.101	36.51	97.4	6.52	35	48.61	23.069	8.49	-4.1	4.7	11.6
6/28/2005	5:00:28	25.04	55.037	36.47	94.7	6.35	35	48.57	23.045	8.49	-2.2	5.6	11.6
6/28/2005	5:30:28	24.96	54.980	36.43	94.2	6.33	35	48.57	23.041	8.49	-2.7	11.4	11.6
6/28/2005	6:00:28	24.90	54.953	36.41	93.9	6.32	35	48.55	23.030	8.50	-3.2	6.8	11.6
6/28/2005	6:30:28	24.84	54.909	36.38	92.6	6.24	35	48.53	23.018	8.49	-2.7	6.5	11.6
6/28/2005	7:00:28	24.84	54.889	36.36	88.3	5.95	35	48.52	23.009	8.49	-3.1	7.5	11.6
6/28/2005	7:30:28	24.85	54.849	36.33	88.1	5.94	33	48.52	23.013	8.48	-3.0	7.7	11.6
6/28/2005	8:00:28	24.86	54.841	36.33	85.2	5.74	33	48.52	23.010	8.47	-3.0	7.5	11.6
6/28/2005	8:30:28	24.86	54.841	36.33	84.4	5.69	33	48.52	23.010	8.47	-3.1	6.2	11.6
6/28/2005	9:00:28	24.86	54.819	36.31	82.8	5.58	33	48.54	23.021	8.47	-3.0	6.9	11.6
6/28/2005	9:30:28	24.85	54.815	36.31	82.2	5.54	33	48.56	23.038	8.46	-3.1	5.7	11.6
6/28/2005	10:00:28	24.87	54.813	36.30	78.7	5.30	33	48.57	23.048	8.45	-2.5	5.4	11.6
6/28/2005	10:30:28	24.89	54.804	36.30	74.2	5.00	33	48.59	23.062	8.43	-3.4	4.1	11.6
6/28/2005	11:00:28	24.88	54.820	36.31	72.9	4.91	33	48.64	23.091	8.42	-3.2	8.0	11.6
6/28/2005	11:30:27	24.88	54.822	36.31	73.5	4.95	33	48.68	23.119	8.42	-1.7	10.6	11.6
6/28/2005	12:00:28	24.88	54.819	36.31	74.9	5.05	33	48.71	23.142	8.42	1.7	9.5	11.6
6/28/2005	12:30:28	24.87	54.841	36.32	82.8	5.58	33	48.74	23.161	8.44	8.3	10.6	11.6
6/28/2005	13:00:28	24.86	54.848	36.33	88.6	5.97	33	48.78	23.192	8.45	16.2	17.3	11.6
6/28/2005	13:30:28	24.87	54.855	36.34	93.6	6.31	35	48.79	23.200	8.45	29.5	11.9	11.6
6/28/2005	14:00:28	24.89	54.836	36.32	102.0	6.87	36	48.80	23.203	8.45	32.9	16.1	11.6
6/28/2005	14:30:28	24.90	54.839	36.32	112.6	7.58	37	48.81	23.208	8.47	45.1	13.8	11.6
6/28/2005	15:00:28	24.92	54.842	36.32	106.3	7.15	36	48.83	23.225	8.47	69.0	11.1	11.6
6/28/2005	15:30:28	24.95	54.836	36.32	108.6	7.31	36	48.81	23.209	8.48	73.0	19.5	11.6
6/28/2005	16:00:28	24.96	54.836	36.32	106.4	7.16	37	48.79	23.195	8.47	87.4	23.6	11.6
6/28/2005	16:30:28	25.00	54.827	36.31	111.2	7.48	37	48.76	23.177	8.48	104.2	34.7	11.6
6/28/2005	17:00:28	25.02	54.840	36.32	105.3	7.07	36	48.75	23.168	8.45	24.9	32.7	11.6
6/28/2005	17:30:28	25.04	54.841	36.32	116.3	7.81	37	48.72	23.149	8.50	97.9	21.1	11.6
6/28/2005	18:00:28	25.07	54.836	36.32	121.6	8.16	38	48.71	23.140	8.52	103.1	32.8	11.6
6/28/2005	18:30:28	25.09	53.191	35.09	128.3	8.67	38	48.67	23.133	8.53	115.0	28.3	11.6
6/28/2005	19:00:28	25.12	54.840	36.32	122.0	8.18	37	48.64	23.098	8.52	112.7	36.9	11.6
6/28/2005	19:30:28	25.15	54.847	36.32	142.8	9.58	39	48.63	23.088	8.49	99.6	55.3	11.6
6/28/2005	20:00:28	25.17	54.848	36.32	143.6	9.63	40	48.61	23.075	8.48	97.9	7.0	11.6
6/28/2005	20:30:28	25.18	54.850	36.32	137.0	9.18	39	48.58	23.054	8.47	81.5	19.3	11.6
6/28/2005	21:00:28	25.20	54.840	36.32	129.6	8.69	38	48.59	23.059	8.46	80.4	8.1	11.6
6/28/2005	21:30:28	25.23	54.830	36.31	130.1	8.71	39	48.58	23.055	8.48	70.8	13.0	11.6
6/28/2005	22:00:28	25.23	54.833	36.31	121.0	8.10	38	48.59	23.063	8.47	61.4	20.5	11.6
6/28/2005	22:30:28	25.24	54.825	36.30	114.0	7.64	37	48.61	23.074	8.46	45.7	22.5	11.6
6/28/2005	23:00:27	25.23	54.807	36.29	108.5	7.27	36	48.62	23.080	8.44	34.1	16.7	11.6
6/28/2005	23:30:28	25.23	54.794	36.28	107.9	7.23	37	48.64	23.097	8.44	23.9	21.4	11.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/29/2005	0:00:28	24.83	54.328	35.94	98.8	6.67	35	48.66	23.114	8.44	14.4	17.7	11.6
6/29/2005	0:30:28	24.47	54.322	35.95	99.1	6.74	36	48.68	23.125	8.49	4.8	18.8	11.6
6/29/2005	1:00:28	24.58	54.435	36.03	96.3	6.53	35	48.72	23.152	8.49	0.3	11.7	11.6
6/29/2005	1:30:28	24.64	54.475	36.06	93.0	6.30	35	48.72	23.155	8.49	-1.6	12.5	11.6
6/29/2005	2:00:28	24.68	54.470	36.05	94.0	6.36	35	48.75	23.172	8.48	-1.8	10.3	11.6
6/29/2005	2:30:28	24.69	54.471	36.05	93.4	6.32	35	48.77	23.185	8.48	-1.8	7.3	11.6
6/29/2005	3:00:28	24.58	54.507	36.08	93.8	6.36	35	48.75	23.171	8.49	-1.8	8.5	11.6
6/29/2005	3:30:28	24.57	54.502	36.08	94.1	6.38	35	48.77	23.184	8.49	-1.6	5.6	11.6
6/29/2005	4:00:28	24.61	54.468	36.05	95.1	6.45	35	48.76	23.182	8.49	-1.6	5.1	11.6
6/29/2005	4:30:28	24.58	54.457	36.04	93.2	6.32	35	48.77	23.187	8.49	-1.6	6.9	11.6
6/29/2005	5:00:28	24.54	54.412	36.01	93.3	6.33	35	48.75	23.172	8.49	-1.8	5.6	11.6
6/29/2005	5:30:28	24.54	54.387	35.99	92.7	6.29	35	48.78	23.195	8.49	0.0	14.5	11.6
6/29/2005	6:00:28	24.54	54.378	35.99	90.8	6.17	33	48.75	23.175	8.48	-1.9	10.6	11.6
6/29/2005	6:30:28	24.55	54.354	35.97	86.9	5.90	35	48.77	23.188	8.47	-2.2	10.2	11.6
6/29/2005	7:00:28	24.55	54.324	35.95	85.0	5.77	33	48.74	23.164	8.46	-1.4	8.6	11.6
6/29/2005	7:30:28	24.55	54.350	35.97	83.7	5.68	33	48.72	23.154	8.46	-1.8	22.2	11.6
6/29/2005	8:00:28	24.55	54.313	35.94	78.9	5.35	33	48.74	23.167	8.44	-1.9	19.1	11.6
6/29/2005	8:30:28	24.55	54.245	35.89	77.4	5.25	33	48.71	23.144	8.43	-1.8	11.8	11.6
6/29/2005	9:00:28	24.57	54.236	35.88	76.3	5.18	33	48.74	23.168	8.43	-1.8	13.7	11.6
6/29/2005	9:30:28	24.57	54.249	35.89	75.5	5.13	33	48.74	23.164	8.42	-2.2	25.4	11.6
6/29/2005	10:00:28	24.57	54.231	35.88	75.8	5.15	33	48.76	23.182	8.42	-2.0	29.0	11.6
6/29/2005	10:30:28	24.58	54.212	35.86	73.4	4.98	33	48.75	23.172	8.41	-2.0	23.4	11.6
6/29/2005	11:00:28	24.59	54.163	35.83	73.2	4.97	33	48.76	23.180	8.41	-2.3	27.9	11.6
6/29/2005	11:30:27	24.62	54.181	35.84	68.2	4.62	33	48.78	23.197	8.39	-0.5	25.4	11.6
6/29/2005	12:00:28	24.63	54.188	35.84	67.2	4.56	33	48.81	23.215	8.39	4.9	15.4	11.6
6/29/2005	12:30:28	24.62	54.196	35.85	71.1	4.82	33	48.82	23.225	8.39	8.2	16.4	11.6
6/29/2005	13:00:28	24.62	54.196	35.85	68.9	4.67	33	48.82	23.224	8.40	7.4	11.6	11.6
6/29/2005	13:30:28	24.63	54.198	35.85	64.0	4.34	32	48.81	23.218	8.39	6.2	20.3	11.6
6/29/2005	14:00:28	24.66	54.186	35.84	68.5	4.64	33	48.85	23.242	8.39	10.4	34.5	11.6
6/29/2005	14:30:28	24.67	54.178	35.84	71.4	4.84	33	48.83	23.231	8.40	9.2	79.1	11.6
6/29/2005	15:00:28	24.70	54.167	35.83	69.1	4.68	32	48.80	23.213	8.38	11.2	45.3	11.6
6/29/2005	15:30:28	24.71	54.167	35.83	78.7	5.33	33	48.80	23.208	8.40	26.6	33.8	11.6
6/29/2005	16:00:28	24.74	54.169	35.83	73.7	4.99	33	48.79	23.204	8.40	17.0	24.8	11.6
6/29/2005	16:30:28	24.78	54.145	35.81	86.9	5.88	35	48.74	23.173	8.42	62.0	38.5	11.6
6/29/2005	17:00:28	24.80	54.151	35.81	86.7	5.86	33	48.72	23.156	8.43	55.7	18.8	11.6
6/29/2005	17:30:28	24.83	51.313	33.71	95.6	6.54	36	48.66	23.150	8.44	66.0	28.5	11.6
6/29/2005	18:00:28	24.85	54.157	35.82	89.6	6.06	35	48.62	23.086	8.41	34.1	24.4	11.6
6/29/2005	18:30:28	24.88	54.157	35.81	90.7	6.13	35	48.58	23.061	8.42	37.5	95.3	11.6
6/29/2005	19:00:28	24.89	54.146	35.81	87.3	5.90	33	48.55	23.040	8.41	31.9	16.7	11.6
6/29/2005	19:30:28	24.94	54.138	35.80	121.6	8.20	38	48.51	23.011	8.46	99.1	116.2	11.6
6/29/2005	20:00:28	25.00	54.132	35.79	138.3	9.33	39	48.47	22.987	8.47	92.6	27.5	11.6
6/29/2005	20:30:28	25.02	54.130	35.79	104.6	7.05	36	48.46	22.977	8.44	38.2	46.2	11.6
6/29/2005	21:00:28	25.05	54.137	35.80	115.5	7.78	37	48.45	22.974	8.48	95.0	22.2	11.6
6/29/2005	21:30:28	25.07	54.128	35.79	131.4	8.85	38	48.41	22.943	8.48	89.8	28.1	11.6
6/29/2005	22:00:28	25.11	54.111	35.78	110.2	7.42	37	48.43	22.957	8.45	45.2	16.1	11.6
6/29/2005	22:30:28	25.16	54.103	35.77	110.7	7.44	36	48.43	22.960	8.46	47.6	21.3	11.6
6/29/2005	23:00:27	25.17	54.086	35.76	104.1	7.00	36	48.43	22.964	8.43	36.6	19.4	11.6
6/29/2005	23:30:28	25.17	54.083	35.75	97.7	6.57	35	48.44	22.965	8.43	25.4	19.4	11.6
6/30/2005	0:00:28	25.22	54.040	35.72	90.4	6.08	35	48.46	22.982	8.40	14.3	27.6	11.6
6/30/2005	0:30:28	25.22	54.050	35.73	83.3	5.60	33	48.53	23.030	8.38	6.5	38.9	11.6
6/30/2005	1:00:28	25.25	54.062	35.74	81.3	5.46	33	48.52	23.022	8.39	0.9	33.0	11.6
6/30/2005	1:30:28	25.48	53.910	35.62	85.2	5.71	33	48.57	23.063	8.43	-1.1	29.2	11.6
6/30/2005	2:00:28	25.21	53.883	35.60	90.1	6.06	35	48.59	23.073	8.45	-0.9	37.9	11.6
6/30/2005	2:30:28	25.11	53.911	35.63	89.2	6.01	35	48.66	23.118	8.45	-0.9	36.0	11.6
6/30/2005	3:00:28	25.08	53.919	35.63	86.6	5.83	35	48.70	23.148	8.44	-0.8	31.4	11.6
6/30/2005	3:30:28	25.07	53.925	35.64	85.0	5.73	33	48.75	23.179	8.44	-0.7	34.3	11.6
6/30/2005	4:00:28	25.08	53.923	35.64	84.0	5.66	33	48.76	23.189	8.43	-1.0	40.7	11.6
6/30/2005	4:30:28	25.10	53.921	35.63	82.9	5.59	33	48.79	23.208	8.43	-0.3	24.7	11.6
6/30/2005	5:00:28	25.09	53.932	35.64	80.3	5.41	33	48.79	23.212	8.42	-1.5	30.3	11.6
6/30/2005	5:30:28	25.10	53.934	35.64	77.7	5.24	33	48.79	23.209	8.41	-1.2	35.6	11.6
6/30/2005	6:00:28	25.13	53.931	35.64	77.8	5.24	33	48.84	23.241	8.41	-1.6	30.9	11.6
6/30/2005	6:30:28	25.12	53.934	35.64	74.2	5.00	33	48.81	23.225	8.39	0.8	31.6	11.6
6/30/2005	7:00:28	25.14	53.935	35.64	73.9	4.97	33	48.82	23.230	8.39	-1.5	54.3	11.6
6/30/2005	7:30:28	25.16	53.930	35.64	71.5	4.81	33	48.82	23.233	8.38	-1.6	27.2	11.6
6/30/2005	8:00:28	25.16	53.936	35.64	70.6	4.75	33	48.81	23.227	8.38	-1.7	23.9	11.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
6/30/2005	8:30:28	25.19	53.931	35.64	68.7	4.62	33	48.80	23.215	8.37	-1.9	1213.0	11.6
6/30/2005	9:00:28	25.21	53.912	35.63	67.5	4.54	33	48.81	23.224	8.37	-1.9	1213.2	11.6
6/30/2005	9:30:28	25.22	53.912	35.62	66.3	4.46	33	48.81	23.225	8.36	-2.0	136.9	11.6
6/30/2005	10:00:28	25.23	53.926	35.63	62.7	4.22	32	48.81	23.225	8.35	-1.7	46.0	11.6
6/30/2005	10:30:28	25.21	53.856	35.58	70.5	4.74	33	48.81	23.222	8.38	-2.1	46.9	11.6
6/30/2005	11:00:28	25.06	53.581	35.38	88.1	5.95	35	48.80	23.223	8.44	1.2	35.6	11.6
6/30/2005	11:30:27	24.98	53.519	35.34	89.7	6.07	35	48.79	23.215	8.45	-0.8	1211.3	11.6
6/30/2005	12:00:28	24.99	53.733	35.50	94.2	6.36	35	48.81	23.223	8.46	8.5	115.9	11.6
6/30/2005	12:30:28	25.01	53.647	35.43	90.0	6.08	33	48.80	23.221	8.47	10.5	18.4	11.6
6/30/2005	13:00:28	25.01	53.736	35.50	105.4	7.11	36	48.84	23.248	8.48	20.5	26.4	11.6
6/30/2005	13:30:28	25.01	53.774	35.53	110.6	7.47	37	48.79	23.212	8.49	23.8	40.6	11.6
6/30/2005	14:00:28	25.04	53.773	35.53	118.9	8.02	37	48.81	23.224	8.50	33.3	33.8	11.6
6/30/2005	14:30:28	25.06	53.762	35.52	122.7	8.28	38	48.80	23.221	8.52	43.9	30.0	11.6
6/30/2005	15:00:28	25.08	53.762	35.52	117.8	7.94	37	48.77	23.197	8.51	37.3	30.6	11.6
6/30/2005	15:30:28	25.11	53.762	35.52	123.9	8.35	38	48.75	23.183	8.52	58.3	25.3	11.6
6/30/2005	16:00:28	25.13	53.765	35.52	124.0	8.35	37	48.73	23.168	8.53	68.3	33.5	11.6
6/30/2005	16:30:28	25.16	53.765	35.52	127.3	8.57	38	48.69	23.146	8.52	59.9	30.8	11.6
6/30/2005	17:00:28	25.20	53.768	35.52	135.1	9.09	39	48.66	23.122	8.55	84.8	40.5	11.6
6/30/2005	17:30:28	25.25	53.770	35.52	124.6	8.38	38	48.61	23.088	8.51	29.4	34.7	11.6
6/30/2005	18:00:28	25.30	53.769	35.52	146.0	9.81	40	48.57	23.060	8.59	85.1	16.6	11.6
6/30/2005	18:30:28	25.41	53.762	35.51	133.9	8.98	39	48.53	23.034	8.56	76.5	28.1	11.6
6/30/2005	19:00:28	25.39	53.774	35.52	142.3	9.55	39	48.49	23.006	8.55	79.7	19.4	11.6
6/30/2005	19:30:28	25.54	53.750	35.50	144.9	9.70	40	48.46	22.987	8.51	78.2	19.8	11.6
6/30/2005	20:00:28	25.64	53.735	35.48	131.1	8.76	38	48.41	22.956	8.49	79.2	25.2	11.6
6/30/2005	20:30:28	26.36	53.449	35.25	126.9	8.39	38	48.37	22.938	8.50	66.3	18.0	11.6
6/30/2005	21:00:28	26.62	53.204	35.06	141.6	9.33	40	48.35	22.928	8.52	56.7	20.4	11.6
6/30/2005	21:30:28	26.56	53.211	35.07	122.8	8.10	38	48.31	22.900	8.48	49.4	36.4	11.6
6/30/2005	22:00:28	26.47	53.238	35.09	118.3	7.81	38	48.29	22.888	8.48	40.7	18.5	11.6
6/30/2005	22:30:28	26.61	53.069	34.96	113.8	7.50	37	48.29	22.891	8.47	32.8	18.0	11.6
6/30/2005	23:00:27	26.61	52.907	34.84	114.5	7.56	37	48.30	22.897	8.48	33.0	19.1	11.6
6/30/2005	23:30:28	26.46	52.973	34.90	98.8	6.53	36	48.32	22.911	8.44	7.4	19.8	11.6
7/1/2005	0:00:28	26.55	52.803	34.77	89.9	5.94	35	48.34	22.927	8.43	3.2	23.6	11.6
7/1/2005	0:30:28	26.56	52.718	34.70	90.9	6.01	35	48.37	22.944	8.44	3.0	30.3	11.6
7/1/2005	1:00:28	26.49	52.864	34.81	80.4	5.32	33	48.40	22.968	8.40	-0.8	14.7	11.6
7/1/2005	1:30:28	26.57	52.826	34.78	72.9	4.81	33	48.48	23.018	8.38	-2.2	32.8	11.6
7/1/2005	2:00:28	26.66	52.766	34.74	71.6	4.73	33	48.53	23.056	8.38	-2.1	45.3	11.6
7/1/2005	2:30:28	26.85	52.690	34.68	68.2	4.49	33	48.58	23.093	8.38	-2.2	29.6	11.6
7/1/2005	3:00:28	26.80	51.185	33.56	67.0	4.44	33	48.64	23.157	8.36	-1.3	38.3	11.6
7/1/2005	3:30:28	27.06	52.723	34.69	66.3	4.34	33	48.71	23.188	8.36	-2.6	33.0	11.6
7/1/2005	4:00:28	27.21	52.645	34.63	61.3	4.01	32	48.76	23.221	8.36	-2.4	54.2	11.6
7/1/2005	4:30:28	27.41	52.631	34.62	66.1	4.31	33	48.78	23.236	8.37	-2.8	39.4	11.6
7/1/2005	5:00:28	27.38	52.666	34.64	74.2	4.84	33	48.85	23.285	8.37	-3.3	32.7	11.6
7/1/2005	5:30:28	27.50	52.563	34.56	77.5	5.05	33	48.89	23.312	8.39	-3.4	37.0	11.6
7/1/2005	6:00:28	27.54	52.577	34.57	73.8	4.80	33	48.91	23.330	8.38	-3.2	44.1	11.6
7/1/2005	6:30:28	27.63	52.560	34.56	91.4	5.94	35	48.92	23.339	8.43	-3.3	57.1	11.6
7/1/2005	7:00:28	27.49	52.638	34.62	90.3	5.88	35	48.95	23.355	8.42	-2.8	46.2	11.6
7/1/2005	7:30:28	27.34	52.834	34.77	93.1	6.07	35	48.97	23.368	8.42	-2.6	53.7	11.6
7/1/2005	8:00:28	27.13	53.285	35.11	90.5	5.91	35	48.96	23.350	8.41	-2.5	19.7	11.6
7/1/2005	8:30:28	26.54	53.722	35.45	87.0	5.73	33	48.99	23.358	8.40	-2.4	42.2	11.6
7/1/2005	9:00:28	26.25	53.800	35.52	87.9	5.81	33	48.98	23.352	8.41	-2.4	63.5	11.6
7/1/2005	9:30:28	25.89	53.874	35.58	89.9	5.98	35	48.97	23.342	8.42	-2.0	69.6	11.6
7/1/2005	10:00:28	25.68	53.904	35.61	90.9	6.07	35	48.97	23.337	8.43	-2.0	23.0	11.6
7/1/2005	10:30:28	25.56	53.927	35.63	88.5	5.92	35	48.95	23.320	8.44	-2.0	98.8	11.6
7/1/2005	11:00:28	25.54	53.909	35.61	89.2	5.97	35	48.96	23.328	8.45	-2.3	12.0	11.6
7/1/2005	11:30:27	25.52	53.942	35.64	88.9	5.95	35	48.93	23.307	8.45	-1.3	54.9	11.6
7/1/2005	12:00:28	25.52	53.957	35.65	91.3	6.11	35	48.93	23.311	8.45	2.6	28.1	11.6
7/1/2005	12:30:28	25.53	53.967	35.66	96.2	6.43	35	48.92	23.304	8.46	8.3	82.2	11.5
7/1/2005	13:00:28	25.54	53.956	35.65	103.2	6.90	36	48.91	23.298	8.47	16.4	105.1	11.6
7/1/2005	13:30:28	25.56	53.951	35.65	113.6	7.59	37	48.89	23.284	8.49	23.9	34.5	11.6
7/1/2005	14:00:28	25.57	53.952	35.65	119.3	7.97	38	48.88	23.274	8.49	31.6	36.1	11.6
7/1/2005	14:30:28	25.60	53.946	35.64	122.6	8.19	38	48.85	23.256	8.51	46.1	30.1	11.6
7/1/2005	15:00:28	25.64	53.948	35.64	96.7	6.46	35	48.81	23.229	8.44	14.0	17.2	11.6
7/1/2005	15:30:28	26.24	53.751	35.48	112.6	7.45	37	48.78	23.216	8.51	61.4	29.8	11.6
7/1/2005	16:00:28	26.90	53.656	35.39	126.6	8.29	39	48.77	23.211	8.54	62.7	27.6	11.6
7/1/2005	16:30:28	27.27	53.699	35.41	121.1	7.87	37	48.73	23.190	8.54	74.0	30.8	11.5

Appendix 5
Water Quality Data

East Flower Garden Bank												
June 8, 2005 - August 27, 2005												
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/1/2005	17:00:28	27.52	53.744	35.44	116.3	7.54	37	48.69	23.158	8.52	78.6	23.7	11.6
7/1/2005	17:30:28	27.48	53.775	35.46	124.2	8.05	38	48.64	23.125	8.53	85.8	29.3	11.5
7/1/2005	18:00:28	27.51	53.807	35.49	121.4	7.86	38	48.57	23.076	8.54	88.9	31.0	11.6
7/1/2005	18:30:28	27.58	53.818	35.49	130.2	8.42	39	48.53	23.053	8.57	101.5	24.3	11.6
7/1/2005	19:00:28	27.66	53.827	35.49	126.3	8.16	39	48.45	22.996	8.54	94.5	25.4	11.5
7/1/2005	19:30:28	27.79	53.805	35.48	140.4	9.05	40	48.41	22.969	8.53	91.1	36.8	11.6
7/1/2005	20:00:28	27.84	53.793	35.46	150.6	9.70	41	48.36	22.934	8.52	92.9	26.6	11.6
7/1/2005	20:30:28	27.92	53.791	35.46	149.7	9.63	41	48.30	22.895	8.51	83.4	18.9	11.6
7/1/2005	21:00:28	27.98	53.783	35.45	155.0	9.97	41	48.27	22.878	8.51	73.8	23.0	11.6
7/1/2005	21:30:28	28.07	53.771	35.44	143.1	9.18	40	48.21	22.838	8.51	63.7	29.6	11.6
7/1/2005	22:00:28	28.13	53.736	35.41	131.5	8.43	39	48.21	22.838	8.49	60.7	23.3	11.6
7/1/2005	22:30:28	28.05	53.559	35.28	130.6	8.39	39	48.19	22.822	8.49	48.4	17.5	11.6
7/1/2005	23:00:27	27.93	53.766	35.44	120.7	7.77	38	48.18	22.812	8.47	34.0	17.3	11.5
7/1/2005	23:30:28	27.98	53.755	35.43	109.0	7.01	37	48.18	22.813	8.44	23.3	28.1	11.6
7/2/2005	0:00:28	27.88	53.755	35.44	93.5	6.02	35	48.19	22.822	8.40	12.1	49.1	11.6
7/2/2005	0:30:28	27.83	53.765	35.44	80.7	5.20	35	48.21	22.830	8.37	4.2	39.7	11.6
7/2/2005	1:00:28	27.91	53.747	35.43	74.7	4.81	33	48.25	22.865	8.36	-0.5	1237.2	11.6
7/2/2005	1:30:28	27.98	53.729	35.41	69.0	4.43	33	48.32	22.911	8.35	-2.3	18.9	11.6
7/2/2005	2:00:28	28.00	53.724	35.41	62.7	4.03	32	48.35	22.933	8.33	-2.2	33.8	11.5
7/2/2005	2:30:28	28.05	53.722	35.41	59.3	3.81	32	48.42	22.979	8.31	-2.2	32.7	11.5
7/2/2005	3:00:28	27.98	53.718	35.40	54.3	3.49	33	48.48	23.022	8.29	-2.9	31.2	11.6
7/2/2005	3:30:28	28.01	53.715	35.40	55.3	3.55	32	48.55	23.066	8.29	-3.1	38.4	11.6
7/2/2005	4:00:28	28.04	53.693	35.38	51.8	3.33	32	48.63	23.126	8.28	-2.2	16.6	11.6
7/2/2005	4:30:28	28.05	53.691	35.38	49.7	3.19	30	48.71	23.176	8.28	-2.4	13.1	11.6
7/2/2005	5:00:28	28.49	53.420	35.17	61.2	3.91	33	48.77	23.228	8.32	-2.2	25.7	11.6
7/2/2005	5:30:28	28.67	53.299	35.07	69.6	4.44	33	48.84	23.283	8.34	-2.4	20.2	11.6
7/2/2005	6:00:28	28.84	53.220	35.01	86.5	5.50	35	48.88	23.306	8.41	-1.9	27.8	11.6
7/2/2005	6:30:28	28.75	53.291	35.06	86.4	5.50	35	48.92	23.335	8.39	-2.2	34.7	11.6
7/2/2005	7:00:28	28.67	53.385	35.14	91.1	5.80	35	48.96	23.359	8.40	-2.4	31.0	11.6
7/2/2005	7:30:28	28.59	53.403	35.15	90.8	5.79	35	48.98	23.375	8.40	-1.9	20.2	11.5
7/2/2005	8:00:28	28.41	53.374	35.14	92.3	5.90	35	48.98	23.375	8.40	-0.9	39.2	11.6
7/2/2005	8:30:28	28.31	53.377	35.14	91.4	5.86	36	49.02	23.397	8.39	-2.2	17.4	11.6
7/2/2005	9:00:28	28.21	53.401	35.16	89.4	5.74	35	49.04	23.410	8.39	-2.2	23.9	11.6
7/2/2005	9:30:28	27.83	53.616	35.33	85.7	5.53	33	49.03	23.401	8.37	-2.2	29.1	11.6
7/2/2005	10:00:28	27.59	53.725	35.42	85.5	5.53	35	49.02	23.391	8.38	-3.0	26.4	11.5
7/2/2005	10:30:28	27.36	53.742	35.44	85.2	5.53	35	48.99	23.365	8.39	-2.8	46.8	11.6
7/2/2005	11:00:28	27.26	53.774	35.47	82.8	5.38	33	49.00	23.371	8.39	-3.0	86.5	11.6
7/2/2005	11:30:27	27.16	53.790	35.48	80.9	5.27	33	48.99	23.366	8.39	-1.6	732.9	11.5
7/2/2005	12:00:28	27.08	53.790	35.48	85.8	5.60	33	48.99	23.362	8.40	1.9	9.1	11.6
7/2/2005	12:30:28	27.04	53.783	35.48	93.5	6.10	35	48.96	23.344	8.42	9.0	14.6	11.6
7/2/2005	13:00:28	27.04	53.743	35.45	104.9	6.85	36	48.96	23.345	8.43	16.6	14.4	11.5
7/2/2005	13:30:28	26.86	53.758	35.47	105.2	6.89	37	48.95	23.335	8.45	18.8	12.1	11.5
7/2/2005	14:00:28	26.83	53.762	35.47	135.8	8.90	39	48.94	23.327	8.49	34.2	14.6	11.5
7/2/2005	14:30:28	26.75	53.777	35.48	132.5	8.69	39	48.91	23.309	8.50	39.3	11.1	11.5
7/2/2005	15:00:28	26.75	53.784	35.49	129.5	8.50	38	48.88	23.287	8.50	55.8	12.3	11.5
7/2/2005	15:30:28	26.73	53.798	35.50	132.3	8.68	39	48.85	23.267	8.51	62.6	13.6	11.6
7/2/2005	16:00:28	26.78	53.801	35.50	138.8	9.10	39	48.80	23.234	8.51	71.4	12.4	11.5
7/2/2005	16:30:28	26.82	53.803	35.50	139.3	9.12	40	48.78	23.219	8.52	78.8	13.6	11.5
7/2/2005	17:00:28	26.85	53.236	35.08	142.9	9.38	40	48.73	23.188	8.54	88.1	29.8	11.5
7/2/2005	17:30:28	26.88	53.438	35.23	152.9	10.02	41	48.70	23.165	8.56	87.9	14.6	11.5
7/2/2005	18:00:28	26.91	53.293	35.12	154.9	10.15	41	48.64	23.126	8.58	88.4	27.4	11.5
7/2/2005	18:30:28	27.24	54.064	35.68	127.7	8.30	39	48.59	23.084	8.56	91.6	15.9	11.5
7/2/2005	19:00:28	27.31	54.392	35.93	131.7	8.54	39	48.52	23.033	8.55	94.6	16.6	11.5
7/2/2005	19:30:28	27.56	53.846	35.51	145.2	9.39	40	48.47	23.011	8.54	92.0	51.3	11.6
7/2/2005	20:00:28	27.91	54.137	35.72	140.8	9.05	40	48.41	22.965	8.52	87.1	17.2	11.5
7/2/2005	20:30:28	28.25	55.258	36.54	147.8	9.40	40	48.35	22.912	8.51	85.7	16.9	11.5
7/2/2005	21:00:28	28.36	55.313	36.58	165.2	10.49	42	48.31	22.886	8.51	74.8	15.4	11.5
7/2/2005	21:30:28	28.33	55.292	36.57	150.3	9.54	41	48.24	22.836	8.49	66.2	19.4	11.5
7/2/2005	22:00:28	28.28	55.232	36.52	141.2	8.98	40	48.21	22.819	8.48	50.6	48.5	11.5
7/2/2005	22:30:28	28.22	55.170	36.48	133.4	8.49	40	48.16	22.783	8.47	43.6	52.7	11.5
7/2/2005	23:00:27	28.22	55.160	36.47	125.6	8.00	38	48.14	22.773	8.46	34.0	32.1	11.6
7/2/2005	23:30:28	28.18	55.149	36.46	110.1	7.01	37	48.14	22.768	8.44	24.6	38.2	11.5
7/3/2005	0:00:28	28.15	55.133	36.45	104.5	6.66	37	48.13	22.765	8.42	13.3	25.8	11.5
7/3/2005	0:30:28	28.14	55.122	36.44	96.2	6.13	36	48.15	22.778	8.41	6.3	42.9	11.5
7/3/2005	1:00:28	28.17	55.140	36.46	91.7	5.84	35	48.18	22.800	8.40	0.6	20.6	11.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/3/2005	1:30:28	28.16	55.127	36.45	86.4	5.50	35	48.24	22.836	8.39	-1.3	40.6	11.5
7/3/2005	2:00:28	28.13	55.105	36.43	77.0	4.91	33	48.28	22.868	8.36	-1.9	41.6	11.5
7/3/2005	2:30:28	28.15	55.112	36.44	76.4	4.87	33	48.34	22.911	8.36	-1.9	23.5	11.5
7/3/2005	3:00:28	28.14	55.101	36.43	72.9	4.65	33	48.42	22.963	8.34	-1.8	29.0	11.5
7/3/2005	3:30:28	28.15	55.099	36.43	75.0	4.78	33	48.48	23.004	8.35	-2.0	52.6	11.5
7/3/2005	4:00:28	28.15	55.087	36.42	69.7	4.45	33	48.57	23.067	8.33	-1.6	37.2	11.5
7/3/2005	4:30:28	28.16	55.090	36.42	69.7	4.44	33	48.63	23.110	8.33	-1.6	20.0	11.5
7/3/2005	5:00:28	28.17	55.084	36.42	65.4	4.17	33	48.72	23.168	8.31	-1.8	44.0	11.5
7/3/2005	5:30:28	28.17	55.086	36.42	65.3	4.16	33	48.80	23.227	8.32	-1.7	16.9	11.6
7/3/2005	6:00:28	28.17	55.079	36.41	60.6	3.86	33	48.86	23.266	8.29	-1.6	19.5	11.5
7/3/2005	6:30:28	28.19	55.083	36.41	61.5	3.92	33	48.93	23.313	8.30	-1.6	22.2	11.5
7/3/2005	7:00:28	28.73	55.290	36.55	74.1	4.68	33	48.95	23.332	8.37	-1.9	57.4	11.5
7/3/2005	7:30:28	29.03	55.474	36.68	85.1	5.34	35	49.00	23.362	8.40	-1.9	17.7	11.5
7/3/2005	8:00:28	29.08	55.564	36.74	90.4	5.67	35	49.04	23.392	8.40	-1.9	22.3	11.5
7/3/2005	8:30:28	29.10	55.610	36.78	92.4	5.79	36	49.07	23.408	8.40	-1.4	31.9	11.5
7/3/2005	9:00:28	29.09	55.622	36.79	93.3	5.85	36	49.07	23.412	8.40	-1.4	20.7	11.5
7/3/2005	9:30:28	29.06	55.602	36.77	93.3	5.85	36	49.09	23.426	8.40	-1.5	23.0	11.5
7/3/2005	10:00:28	29.01	55.638	36.80	93.3	5.85	36	49.11	23.439	8.39	-1.5	26.7	11.5
7/3/2005	10:30:28	29.02	55.648	36.81	91.3	5.72	36	49.12	23.445	8.39	-1.5	20.7	11.5
7/3/2005	11:00:28	28.99	55.654	36.81	91.7	5.75	35	49.12	23.444	8.39	-1.4	24.5	11.5
7/3/2005	11:30:27	28.99	55.662	36.82	92.7	5.82	35	49.13	23.449	8.39	-0.2	23.7	11.5
7/3/2005	12:00:28	28.98	55.650	36.81	93.1	5.85	36	49.13	23.451	8.40	4.5	20.5	11.5
7/3/2005	12:30:28	29.02	55.633	36.80	100.8	6.33	37	49.07	23.414	8.41	11.3	30.8	11.5
7/3/2005	13:00:28	29.09	55.610	36.78	105.3	6.60	37	49.06	23.407	8.42	14.1	18.5	11.5
7/3/2005	13:30:28	29.12	55.603	36.77	121.3	7.60	38	49.04	23.393	8.45	29.6	24.5	11.5
7/3/2005	14:00:28	29.04	55.631	36.80	118.9	7.46	37	49.04	23.389	8.46	41.0	26.0	11.5
7/3/2005	14:30:28	29.06	55.622	36.79	123.6	7.75	39	49.01	23.372	8.45	46.5	26.7	11.5
7/3/2005	15:00:28	29.05	55.533	36.72	136.6	8.57	39	49.00	23.361	8.48	57.8	16.8	11.5
7/3/2005	15:30:28	29.06	55.631	36.80	127.5	7.99	39	48.95	23.326	8.46	53.8	17.2	11.5
7/3/2005	16:00:28	29.09	55.629	36.79	132.9	8.33	39	48.91	23.300	8.47	36.0	16.9	11.5
7/3/2005	16:30:28	29.11	55.620	36.79	137.9	8.64	40	48.87	23.273	8.47	78.3	18.7	11.5
7/3/2005	17:00:28	29.11	55.622	36.79	140.4	8.79	40	48.85	23.262	8.48	87.8	16.0	11.5
7/3/2005	17:30:28	29.12	54.927	36.27	144.6	9.08	40	48.76	23.208	8.52	91.7	14.8	11.5
7/3/2005	18:00:28	29.15	55.614	36.78	156.7	9.81	41	48.71	23.162	8.54	110.7	21.0	11.5
7/3/2005	18:30:28	29.17	55.584	36.76	156.4	9.79	42	48.67	23.135	8.55	93.1	22.4	11.5
7/3/2005	19:00:28	29.18	54.302	35.80	156.8	9.86	41	48.60	23.105	8.54	98.0	19.7	11.5
7/3/2005	19:30:28	29.19	55.578	36.75	174.0	10.89	44	48.54	23.046	8.52	109.0	20.8	11.5
7/3/2005	20:00:28	29.20	55.579	36.75	161.2	10.09	42	48.48	23.009	8.49	92.8	25.3	11.5
7/3/2005	20:30:28	29.18	55.541	36.72	173.7	10.87	43	48.41	22.960	8.49	90.5	73.3	11.5
7/3/2005	21:00:28	29.03	55.379	36.61	134.4	8.44	40	48.33	22.907	8.47	87.1	30.6	11.5
7/3/2005	21:30:28	29.06	55.455	36.66	149.9	9.40	41	48.29	22.875	8.48	82.7	36.9	11.5
7/3/2005	22:00:28	29.07	54.309	35.81	138.9	8.76	40	48.22	22.841	8.48	63.7	26.6	11.5
7/3/2005	22:30:28	29.04	55.556	36.74	131.5	8.25	39	48.17	22.795	8.48	51.8	27.7	11.5
7/3/2005	23:00:27	29.01	55.544	36.73	125.5	7.88	39	48.15	22.778	8.46	43.8	114.4	11.5
7/3/2005	23:30:28	28.98	55.582	36.76	118.1	7.42	38	48.12	22.756	8.44	37.2	22.1	11.5
7/4/2005	0:00:28	28.95	55.555	36.74	107.2	6.74	37	48.09	22.740	8.43	19.7	32.4	11.5
7/4/2005	0:30:28	28.90	55.500	36.70	99.0	6.23	36	48.10	22.742	8.41	10.8	66.3	11.5
7/4/2005	1:00:28	28.89	55.487	36.69	94.4	5.94	36	48.11	22.750	8.41	-1.4	27.5	11.5
7/4/2005	1:30:28	28.89	55.488	36.69	92.7	5.83	35	48.13	22.765	8.41	-2.8	25.9	11.5
7/4/2005	2:00:28	28.90	55.473	36.68	90.6	5.70	35	48.17	22.791	8.40	-1.7	89.4	11.5
7/4/2005	2:30:28	28.91	55.467	36.68	92.3	5.80	35	48.20	22.811	8.41	1.4	35.5	11.4
7/4/2005	3:00:28	28.89	55.460	36.67	90.2	5.67	35	48.26	22.857	8.40	2.3	8.7	11.5
7/4/2005	3:30:28	28.86	55.496	36.70	91.0	5.73	35	48.33	22.905	8.41	0.7	7.8	11.5
7/4/2005	4:00:28	28.80	55.516	36.72	89.8	5.65	35	48.39	22.943	8.41	-0.3	22.7	11.5
7/4/2005	4:30:28	28.76	55.501	36.71	91.8	5.79	36	48.47	23.000	8.41	-0.3	16.5	11.4
7/4/2005	5:00:28	28.73	55.523	36.73	90.2	5.69	36	48.55	23.050	8.41	-0.3	7.9	11.5
7/4/2005	5:30:28	28.70	55.541	36.74	91.0	5.74	35	48.63	23.104	8.41	-0.7	14.4	11.5
7/4/2005	6:00:28	28.75	55.553	36.75	90.3	5.69	35	48.70	23.152	8.42	-0.9	22.5	11.5
7/4/2005	6:30:28	28.77	55.495	36.70	90.0	5.67	35	48.75	23.190	8.42	-3.9	14.8	11.4
7/4/2005	7:00:28	28.70	55.615	36.80	89.3	5.63	35	48.83	23.242	8.42	-3.9	13.3	11.5
7/4/2005	7:30:28	28.49	55.616	36.80	87.0	5.50	35	48.89	23.281	8.41	-3.0	18.2	11.5
7/4/2005	8:00:28	28.47	55.636	36.82	89.6	5.67	35	48.94	23.313	8.42	-2.6	13.3	11.4
7/4/2005	8:30:28	28.49	55.634	36.82	90.4	5.72	35	48.98	23.345	8.42	-2.9	16.1	11.5
7/4/2005	9:00:28	28.55	55.670	36.84	91.7	5.79	35	49.01	23.366	8.42	-2.7	13.0	11.4
7/4/2005	9:30:28	28.62	55.725	36.88	92.2	5.82	35	49.06	23.398	8.42	-2.2	20.3	11.4

Appendix 5
Water Quality Data

East Flower Garden Bank June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/4/2005	10:00:28	28.70	55.840	36.96	93.9	5.92	35	49.07	23.404	8.42	-2.1	13.6	11.4
7/4/2005	10:30:28	28.75	55.843	36.96	93.3	5.87	35	49.09	23.419	8.42	-2.0	13.3	11.4
7/4/2005	11:00:28	28.75	55.431	36.66	93.7	5.91	36	49.09	23.423	8.42	-2.6	173.6	11.4
7/4/2005	11:30:27	28.78	55.508	36.71	91.8	5.79	35	49.08	23.416	8.42	-0.6	42.9	11.4
7/4/2005	12:00:28	28.86	55.328	36.58	94.3	5.94	36	49.08	23.421	8.42	3.5	14.4	11.4
7/4/2005	12:30:28	28.91	55.274	36.53	100.2	6.31	36	49.07	23.417	8.43	11.6	12.0	11.4
7/4/2005	13:00:28	28.95	55.279	36.54	100.7	6.33	37	49.05	23.401	8.43	10.3	15.3	11.4
7/4/2005	13:30:28	29.00	54.884	36.24	102.8	6.47	37	49.04	23.401	8.42	12.8	15.5	11.4
7/4/2005	14:00:28	29.06	54.256	35.77	118.1	7.45	38	49.01	23.390	8.46	42.8	19.6	11.4
7/4/2005	14:30:28	29.09	54.015	35.59	137.4	8.67	40	48.98	23.369	8.50	61.6	19.2	11.4
7/4/2005	15:00:28	29.13	53.975	35.56	138.0	8.70	40	48.96	23.358	8.50	69.1	16.3	11.4
7/4/2005	15:30:28	29.15	53.987	35.57	137.9	8.69	40	48.93	23.340	8.50	79.3	16.2	11.4
7/4/2005	16:00:28	29.15	53.982	35.56	134.1	8.45	39	48.88	23.304	8.49	86.6	18.5	11.4
7/4/2005	16:30:28	29.09	54.065	35.63	134.0	8.45	39	48.86	23.287	8.50	100.6	18.6	11.4
7/4/2005	17:00:28	29.07	54.113	35.66	135.8	8.57	40	48.80	23.244	8.49	77.2	20.0	11.4
7/4/2005	17:30:28	29.04	54.133	35.68	139.7	8.82	40	48.76	23.214	8.51	122.5	29.7	11.4
7/4/2005	18:00:28	28.96	54.264	35.78	147.5	9.31	41	48.71	23.181	8.52	110.6	20.6	11.4
7/4/2005	18:30:28	28.90	54.188	35.72	155.7	9.85	42	48.67	23.156	8.53	107.3	19.1	11.4
7/4/2005	19:00:28	28.85	54.182	35.72	150.6	9.53	41	48.60	23.103	8.51	113.1	21.3	11.4
7/4/2005	19:30:28	28.86	54.241	35.77	152.1	9.62	41	48.55	23.069	8.50	102.4	27.0	11.4
7/4/2005	20:00:28	28.90	54.269	35.78	148.2	9.37	41	48.47	23.012	8.49	107.5	26.7	11.4
7/4/2005	20:30:28	28.82	54.127	35.68	142.5	9.03	40	48.38	22.954	8.47	80.5	19.4	11.4
7/4/2005	21:00:28	28.76	52.738	34.65	150.3	9.58	41	48.33	22.939	8.48	91.7	28.7	11.5
7/4/2005	21:30:28	28.81	54.025	35.61	141.0	8.94	40	48.28	22.884	8.48	81.1	25.3	11.4
7/4/2005	22:00:28	28.81	54.214	35.75	130.7	8.28	39	48.21	22.832	8.47	67.6	40.7	11.4
7/4/2005	22:30:28	28.79	54.161	35.71	130.9	8.29	39	48.16	22.802	8.47	56.0	30.1	11.4
7/4/2005	23:00:27	28.76	54.261	35.78	119.5	7.57	38	48.11	22.767	8.46	42.0	35.7	11.4
7/4/2005	23:30:28	28.73	54.413	35.90	113.7	7.20	37	48.07	22.734	8.44	28.9	32.2	11.4
7/5/2005	0:00:28	28.64	54.325	35.83	106.8	6.78	37	48.05	22.723	8.43	17.0	25.0	11.4
7/5/2005	0:30:28	28.52	54.463	35.94	100.6	6.39	36	48.03	22.703	8.41	6.4	25.5	11.4
7/5/2005	1:00:28	28.47	55.671	36.84	94.9	6.01	36	48.03	22.688	8.40	0.3	27.0	11.4
7/5/2005	1:30:28	28.61	55.661	36.83	92.5	5.84	35	48.04	22.700	8.40	-1.9	25.0	11.4
7/5/2005	2:00:28	28.42	55.658	36.84	93.3	5.91	35	48.04	22.699	8.40	-2.5	23.4	11.4
7/5/2005	2:30:28	28.42	55.664	36.84	90.9	5.76	35	48.08	22.721	8.40	-2.2	28.0	11.4
7/5/2005	3:00:28	28.55	55.659	36.83	90.7	5.73	35	48.12	22.755	8.40	-1.7	26.3	11.4
7/5/2005	3:30:28	28.42	55.601	36.79	92.1	5.83	35	48.18	22.793	8.40	-2.1	24.8	11.4
7/5/2005	4:00:28	28.45	55.644	36.82	91.4	5.78	36	48.27	22.854	8.41	-1.8	16.2	11.4
7/5/2005	4:30:28	28.35	55.628	36.82	93.1	5.90	36	48.33	22.894	8.41	-1.4	16.9	11.4
7/5/2005	5:00:28	28.26	55.668	36.85	91.2	5.79	35	48.41	22.952	8.41	-1.4	16.0	11.4
7/5/2005	5:30:28	28.32	55.740	36.90	91.4	5.80	35	48.47	22.992	8.41	-1.4	16.6	11.4
7/5/2005	6:00:28	28.32	55.679	36.86	90.7	5.75	35	48.58	23.065	8.41	-1.4	14.8	11.4
7/5/2005	6:30:28	28.18	55.667	36.85	93.3	5.93	36	48.66	23.119	8.42	-1.6	14.5	11.4
7/5/2005	7:00:28	28.04	55.554	36.77	93.5	5.96	36	48.72	23.165	8.41	-1.6	18.0	11.4
7/5/2005	7:30:28	27.83	55.422	36.68	92.0	5.89	35	48.79	23.214	8.41	-1.2	16.0	11.4
7/5/2005	8:00:28	27.81	55.440	36.69	89.6	5.74	35	48.83	23.242	8.41	-1.2	17.8	11.4
7/5/2005	8:30:28	27.78	55.529	36.76	93.8	6.01	35	48.90	23.283	8.42	-1.4	23.0	11.4
7/5/2005	9:00:28	27.74	55.572	36.79	90.7	5.81	35	48.95	23.317	8.42	-1.2	23.1	11.4
7/5/2005	9:30:28	27.74	55.612	36.82	90.0	5.77	35	48.99	23.345	8.41	-1.1	16.7	11.4
7/5/2005	10:00:28	27.70	55.643	36.85	88.4	5.66	35	49.02	23.367	8.41	-1.2	19.7	11.4
7/5/2005	10:30:28	27.69	55.689	36.88	87.6	5.61	33	49.04	23.380	8.41	-1.3	28.6	11.4
7/5/2005	11:00:28	27.68	55.706	36.90	87.2	5.59	35	49.06	23.392	8.41	-1.2	20.8	11.4
7/5/2005	11:30:27	27.68	55.715	36.90	87.6	5.61	35	49.09	23.410	8.41	-0.8	17.0	11.4
7/5/2005	12:00:28	27.68	55.716	36.90	90.4	5.79	35	49.08	23.409	8.41	4.4	25.3	11.4
7/5/2005	12:30:28	27.69	55.715	36.90	97.0	6.21	36	49.09	23.412	8.42	12.5	26.8	11.4
7/5/2005	13:00:28	27.71	55.197	36.51	103.1	6.62	36	49.08	23.415	8.43	22.1	28.8	11.4
7/5/2005	13:30:28	27.72	55.694	36.89	105.7	6.77	37	49.06	23.394	8.44	31.9	28.1	11.4
7/5/2005	14:00:28	27.74	55.671	36.87	104.3	6.68	37	49.05	23.388	8.43	42.8	25.9	11.4
7/5/2005	14:30:28	27.74	55.665	36.86	103.9	6.65	36	49.04	23.381	8.44	51.8	28.5	11.4
7/5/2005	15:00:28	27.73	55.634	36.84	102.7	6.58	36	49.01	23.361	8.43	62.9	27.4	11.4
7/5/2005	15:30:28	27.75	55.633	36.84	100.2	6.42	36	49.01	23.359	8.43	73.6	26.5	11.4
7/5/2005	16:00:28	27.74	55.595	36.81	102.9	6.59	37	48.98	23.338	8.43	83.6	26.7	11.4
7/5/2005	16:30:28	27.70	55.472	36.72	104.1	6.67	37	48.94	23.314	8.43	93.8	30.5	11.4
7/5/2005	17:00:28	27.69	55.501	36.74	98.6	6.32	36	48.89	23.280	8.40	12.1	31.6	11.4
7/5/2005	17:30:28	27.63	55.309	36.60	97.2	6.25	36	48.84	23.243	8.39	24.1	18.8	11.4
7/5/2005	18:00:28	27.30	55.127	36.47	107.6	6.95	37	48.78	23.202	8.44	53.7	26.5	11.4

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/5/2005	18:30:28	27.37	55.378	36.66	114.1	7.36	37	48.71	23.155	8.48	123.5	27.9	11.4
7/5/2005	19:00:28	27.44	54.261	35.82	114.5	7.41	37	48.69	23.154	8.47	106.1	21.8	11.4
7/5/2005	19:30:28	27.56	55.517	36.76	117.6	7.56	37	48.66	23.119	8.47	92.8	24.3	11.4
7/5/2005	20:00:28	27.68	55.613	36.83	118.0	7.56	37	48.60	23.080	8.46	98.4	24.3	11.4
7/5/2005	20:30:28	27.78	55.669	36.87	121.0	7.74	38	48.50	23.007	8.47	111.2	30.0	11.4
7/5/2005	21:00:28	27.77	55.653	36.85	116.4	7.45	37	48.45	22.973	8.45	83.3	21.9	11.4
7/5/2005	21:30:28	27.77	54.910	36.30	114.2	7.33	37	48.27	22.862	8.45	78.5	21.6	11.4
7/5/2005	22:00:28	27.76	55.593	36.81	111.2	7.12	37	48.21	22.812	8.45	63.0	25.9	11.4
7/5/2005	22:30:28	27.77	55.599	36.81	111.2	7.12	37	48.16	22.773	8.45	66.3	23.4	11.4
7/5/2005	23:00:27	27.61	55.351	36.63	107.6	6.91	37	48.21	22.811	8.43	38.1	28.2	11.4
7/5/2005	23:30:28	27.49	55.237	36.55	103.8	6.68	36	48.02	22.680	8.43	9.5	19.7	11.4
7/6/2005	0:00:28	27.51	55.411	36.68	103.4	6.65	37	48.04	22.691	8.43	17.6	19.6	11.4
7/6/2005	0:30:28	27.59	55.626	36.84	101.3	6.50	36	48.01	22.671	8.43	8.6	18.0	11.4
7/6/2005	1:00:28	27.60	54.812	36.23	99.1	6.38	36	47.99	22.669	8.43	1.3	20.9	11.4
7/6/2005	1:30:28	27.62	54.976	36.35	98.7	6.35	36	48.02	22.688	8.43	-1.8	21.6	11.4
7/6/2005	2:00:28	27.65	54.935	36.32	97.8	6.29	36	48.20	22.810	8.42	-2.0	15.5	11.4
7/6/2005	2:30:28	27.67	55.832	36.99	98.3	6.30	36	47.93	22.616	8.43	-2.1	19.1	11.4
7/6/2005	3:00:28	27.68	55.827	36.99	96.7	6.19	36	47.94	22.624	8.43	-2.6	18.1	11.4
7/6/2005	3:30:28	27.68	55.821	36.98	96.5	6.18	36	48.04	22.688	8.42	-2.1	20.6	11.4
7/6/2005	4:00:28	27.68	55.801	36.97	95.3	6.11	35	48.15	22.766	8.42	-2.2	17.0	11.4
7/6/2005	4:30:28	27.66	55.774	36.95	95.0	6.09	36	48.06	22.707	8.42	-1.5	16.5	11.4
7/6/2005	5:00:28	27.64	55.774	36.95	96.3	6.17	36	48.23	22.821	8.42	-1.4	16.8	11.4
7/6/2005	5:30:28	27.65	55.801	36.97	94.6	6.06	36	48.55	23.038	8.42	-2.1	13.9	11.4
7/6/2005	6:00:28	27.64	55.817	36.98	94.9	6.08	35	48.38	22.921	8.41	-1.7	17.4	11.4
7/6/2005	6:30:28	27.62	55.798	36.97	93.8	6.01	35	48.64	23.102	8.42	-1.6	15.2	11.4
7/6/2005	7:00:28	27.60	55.773	36.95	93.3	5.99	35	48.58	23.058	8.41	-1.7	14.7	11.4
7/6/2005	7:30:28	27.57	55.730	36.92	93.2	5.98	35	48.70	23.140	8.41	-1.5	13.9	11.4
7/6/2005	8:00:28	27.57	55.727	36.92	94.9	6.09	36	48.63	23.097	8.42	-1.3	8.7	11.4
7/6/2005	8:30:28	27.56	55.672	36.87	94.9	6.10	35	48.78	23.201	8.42	-1.2	11.7	11.4
7/6/2005	9:00:28	27.57	55.706	36.90	94.4	6.06	36	48.86	23.254	8.42	-1.4	13.4	11.4
7/6/2005	9:30:28	27.59	55.724	36.91	95.2	6.11	35	48.92	23.296	8.43	-1.2	10.8	11.4
7/6/2005	10:00:28	27.59	55.704	36.90	94.5	6.06	35	49.07	23.398	8.42	-1.3	11.7	11.4
7/6/2005	10:30:28	27.57	55.674	36.88	93.3	5.99	35	48.83	23.237	8.41	-1.2	11.5	11.4
7/6/2005	11:00:28	27.55	55.636	36.85	92.2	5.92	35	49.19	23.479	8.41	-1.4	13.5	11.4
7/6/2005	11:30:27	27.54	55.091	36.44	89.1	5.73	35	49.02	23.373	8.41	0.0	14.5	11.4
7/6/2005	12:00:28	27.51	53.130	34.98	88.9	5.77	35	49.04	23.414	8.40	4.5	17.7	11.4
7/6/2005	12:30:28	27.46	52.994	34.88	89.7	5.83	35	49.20	23.518	8.40	11.7	16.6	11.4
7/6/2005	13:00:28	27.49	52.672	34.64	91.6	5.96	35	49.13	23.477	8.40	20.3	19.1	11.4
7/6/2005	13:30:28	27.49	52.420	34.46	94.7	6.17	36	49.10	23.459	8.41	30.3	18.8	11.4
7/6/2005	14:00:28	27.48	55.488	36.74	95.7	6.16	36	49.05	23.387	8.40	37.5	17.5	11.4
7/6/2005	14:30:28	27.45	52.987	34.88	96.7	6.29	36	49.09	23.448	8.40	47.6	10.5	11.4
7/6/2005	15:00:28	27.40	55.343	36.63	97.7	6.30	36	49.13	23.446	8.40	56.3	22.0	11.4
7/6/2005	15:30:28	27.39	55.296	36.60	98.9	6.38	35	49.20	23.490	8.40	64.1	18.3	11.3
7/6/2005	16:00:28	27.37	55.228	36.55	99.8	6.44	36	49.08	23.413	8.41	71.1	12.0	11.4
7/6/2005	16:30:28	27.38	55.214	36.54	100.1	6.46	36	49.09	23.418	8.41	80.8	10.2	11.4
7/6/2005	17:00:28	27.33	55.096	36.45	108.2	6.99	37	49.02	23.367	8.43	90.5	12.3	11.4
7/6/2005	17:30:28	27.29	53.698	35.41	109.4	7.12	37	48.98	23.360	8.44	87.6	14.2	11.4
7/6/2005	18:00:28	27.25	54.884	36.30	114.6	7.42	37	48.94	23.315	8.45	86.6	12.0	11.4
7/6/2005	18:30:28	27.31	54.682	36.14	119.2	7.72	38	48.76	23.198	8.47	89.9	11.1	11.4
7/6/2005	19:00:28	27.18	54.363	35.91	121.7	7.91	38	48.80	23.225	8.49	86.7	20.3	11.3
7/6/2005	19:30:28	27.09	54.312	35.87	125.7	8.18	38	48.75	23.192	8.48	84.8	24.0	11.4
7/6/2005	20:00:28	26.93	54.285	35.86	122.6	8.00	38	48.73	23.176	8.47	78.5	10.8	11.3
7/6/2005	20:30:28	26.80	54.276	35.85	127.6	8.35	38	48.63	23.110	8.47	74.5	15.7	11.3
7/6/2005	21:00:28	26.72	53.270	35.11	122.8	8.07	38	48.61	23.104	8.48	87.6	18.8	11.3
7/6/2005	21:30:28	26.44	53.849	35.55	122.2	8.05	38	48.54	23.046	8.48	58.3	16.9	11.4
7/6/2005	22:00:28	26.29	53.153	35.03	115.6	7.66	37	48.46	22.999	8.47	49.6	18.4	11.3
7/6/2005	22:30:28	26.25	54.415	35.97	114.6	7.56	37	48.42	22.960	8.47	38.8	21.8	11.3
7/6/2005	23:00:27	26.12	54.373	35.95	111.2	7.35	37	48.31	22.883	8.47	30.5	23.3	11.3
7/6/2005	23:30:28	26.14	54.410	35.97	108.5	7.17	36	48.21	22.812	8.46	20.3	18.9	11.4
7/7/2005	0:00:28	26.05	54.461	36.01	105.8	7.00	36	48.23	22.823	8.46	13.4	23.9	11.3
7/7/2005	0:30:28	26.05	54.577	36.10	103.3	6.83	36	48.16	22.776	8.46	6.5	15.0	11.3
7/7/2005	1:00:28	26.02	54.607	36.12	100.9	6.68	36	48.11	22.741	8.46	1.6	15.6	11.3
7/7/2005	1:30:28	25.94	54.536	36.07	98.2	6.51	35	48.07	22.712	8.46	-0.5	20.0	11.3
7/7/2005	2:00:28	25.87	54.472	36.03	98.5	6.54	35	48.07	22.716	8.46	-0.7	16.4	11.3
7/7/2005	2:30:28	25.81	54.459	36.02	98.5	6.54	35	48.03	22.687	8.46	-0.8	13.7	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/7/2005	3:00:28	25.79	54.457	36.02	97.1	6.45	35	48.06	22.703	8.46	-0.8	12.5	11.3
7/7/2005	3:30:28	25.76	54.453	36.01	97.5	6.48	36	48.08	22.717	8.46	-0.9	14.7	11.3
7/7/2005	4:00:28	25.75	54.459	36.02	97.5	6.48	36	48.13	22.753	8.47	-0.9	13.3	11.3
7/7/2005	4:30:28	25.77	54.477	36.03	96.5	6.42	35	48.17	22.783	8.46	-1.0	13.4	11.3
7/7/2005	5:00:28	25.84	54.409	35.98	95.9	6.37	35	48.22	22.818	8.46	-1.0	10.6	11.3
7/7/2005	5:30:28	25.93	54.483	36.03	96.2	6.38	36	48.28	22.860	8.47	-1.1	3.4	11.3
7/7/2005	6:00:28	25.95	54.498	36.04	95.4	6.32	35	48.33	22.894	8.46	-0.9	1219.8	11.3
7/7/2005	6:30:28	25.96	54.498	36.04	96.2	6.37	35	48.46	22.979	8.46	-0.9	24.5	11.3
7/7/2005	7:00:28	25.80	54.499	36.05	95.8	6.36	36	48.51	23.013	8.46	-1.1	1.8	11.3
7/7/2005	7:30:28	25.76	54.499	36.05	95.8	6.37	35	48.53	23.030	8.46	-1.0	2.5	11.3
7/7/2005	8:00:28	25.74	54.505	36.05	95.3	6.33	35	48.64	23.105	8.46	-0.9	2.1	11.3
7/7/2005	8:30:28	25.75	54.505	36.05	94.5	6.28	35	48.71	23.153	8.46	-1.0	2.3	11.3
7/7/2005	9:00:28	25.76	54.503	36.05	91.9	6.11	35	48.76	23.186	8.45	-1.1	2.8	11.3
7/7/2005	9:30:28	25.75	54.497	36.05	91.8	6.11	35	48.81	23.219	8.45	-1.1	3.2	11.3
7/7/2005	10:00:28	25.74	54.509	36.06	89.8	5.97	35	48.90	23.285	8.45	-0.9	3.0	11.3
7/7/2005	10:30:28	25.76	54.464	36.02	89.0	5.91	33	48.90	23.283	8.44	-0.9	2.9	11.3
7/7/2005	11:00:28	25.76	54.503	36.05	87.8	5.84	33	48.95	23.315	8.44	-0.9	4.2	11.3
7/7/2005	11:30:27	25.76	54.505	36.05	87.0	5.78	33	48.98	23.335	8.44	0.2	6.8	11.3
7/7/2005	12:00:28	25.78	54.504	36.05	87.8	5.83	33	49.01	23.359	8.44	4.6	1218.3	11.3
7/7/2005	12:30:28	25.79	54.502	36.05	91.2	6.06	35	49.06	23.390	8.45	11.2	2.1	11.3
7/7/2005	13:00:28	25.82	54.491	36.04	99.4	6.60	35	49.12	23.433	8.47	18.5	4.2	11.3
7/7/2005	13:30:28	25.88	54.496	36.04	91.3	6.06	35	48.97	23.332	8.44	14.7	5.4	11.3
7/7/2005	14:00:28	25.89	54.497	36.04	88.7	5.88	35	49.00	23.352	8.43	18.8	6.7	11.3
7/7/2005	14:30:28	25.91	54.496	36.04	99.6	6.60	36	49.02	23.367	8.46	28.8	6.4	11.3
7/7/2005	15:00:28	25.95	54.491	36.04	107.8	7.15	36	49.01	23.357	8.48	52.8	5.7	11.3
7/7/2005	15:30:28	26.02	54.187	35.81	95.0	6.30	35	49.01	23.365	8.44	27.0	6.2	11.3
7/7/2005	16:00:28	26.05	53.845	35.55	111.8	7.41	37	48.96	23.338	8.48	61.4	10.0	11.3
7/7/2005	16:30:28	26.13	53.203	35.07	104.0	6.91	36	48.96	23.342	8.46	57.1	9.5	11.3
7/7/2005	17:00:28	26.18	53.950	35.63	117.0	7.74	37	48.96	23.333	8.49	78.7	12.2	11.3
7/7/2005	17:30:28	26.29	54.546	36.07	105.6	6.95	36	48.90	23.286	8.45	35.1	15.0	11.3
7/7/2005	18:00:28	26.32	54.003	35.66	102.2	6.75	36	48.85	23.259	8.44	34.0	11.4	11.3
7/7/2005	18:30:28	26.37	54.441	35.99	107.6	7.08	37	48.87	23.267	8.46	39.2	15.3	11.3
7/7/2005	19:00:28	27.48	51.297	33.63	130.4	8.54	39	48.82	23.284	8.54	90.3	12.9	11.3
7/7/2005	19:30:28	28.16	54.975	36.33	140.5	8.96	40	48.77	23.206	8.53	79.6	17.2	11.3
7/7/2005	20:00:28	27.98	54.919	36.30	139.5	8.93	40	48.76	23.195	8.51	75.2	11.1	11.3
7/7/2005	20:30:28	27.80	54.804	36.22	142.8	9.17	40	48.68	23.144	8.48	70.6	13.4	11.3
7/7/2005	21:00:28	27.83	54.820	36.23	130.9	8.40	39	48.67	23.134	8.48	63.4	16.3	11.3
7/7/2005	21:30:28	27.82	54.952	36.33	126.9	8.14	39	48.60	23.086	8.48	55.6	21.3	11.3
7/7/2005	22:00:28	27.75	54.759	36.19	124.1	7.98	39	48.50	23.021	8.48	46.3	23.8	11.3
7/7/2005	22:30:28	27.71	55.001	36.37	118.4	7.61	38	48.46	22.987	8.47	36.8	31.0	11.3
7/7/2005	23:00:27	27.59	52.391	34.43	114.6	7.45	37	48.40	22.981	8.46	28.1	17.4	11.3
7/7/2005	23:30:28	27.45	51.676	33.91	107.6	7.04	36	48.35	22.950	8.45	18.7	34.1	11.3
7/8/2005	0:00:28	27.47	52.192	34.29	104.5	6.82	36	48.28	22.897	8.45	11.8	37.5	11.3
7/8/2005	0:30:28	27.51	53.102	34.96	101.0	6.56	36	48.23	22.851	8.44	6.0	28.8	11.3
7/8/2005	1:00:28	27.69	55.076	36.42	97.7	6.28	36	48.18	22.797	8.44	2.0	27.2	11.3
7/8/2005	1:30:28	27.79	55.167	36.49	96.5	6.19	36	48.18	22.796	8.43	0.0	18.4	11.3
7/8/2005	2:00:28	27.71	54.043	35.65	95.5	6.16	35	48.12	22.768	8.43	-0.2	1.8	11.3
7/8/2005	2:30:28	27.51	53.771	35.46	93.8	6.08	35	48.13	22.775	8.42	-0.3	1.4	11.3
7/8/2005	3:00:28	26.66	54.083	35.72	96.1	6.30	35	48.10	22.745	8.42	-0.4	2.0	11.3
7/8/2005	3:30:28	26.42	53.720	35.45	94.1	6.21	35	48.10	22.750	8.43	-0.4	3.1	11.3
7/8/2005	4:00:28	26.38	53.832	35.54	95.8	6.32	36	48.13	22.769	8.44	-0.4	2.0	11.3
7/8/2005	4:30:28	26.41	54.834	36.28	94.6	6.21	35	48.20	22.801	8.45	-0.4	4.0	11.3
7/8/2005	5:00:28	26.45	54.939	36.36	92.4	6.06	35	48.20	22.804	8.45	-0.4	4.9	11.3
7/8/2005	5:30:28	26.51	55.004	36.41	91.0	5.96	35	48.29	22.866	8.44	-0.4	9.8	11.3
7/8/2005	6:00:28	26.66	55.026	36.42	89.2	5.83	35	48.36	22.914	8.44	-0.5	9.2	11.3
7/8/2005	6:30:28	26.65	55.017	36.41	87.3	5.70	35	48.41	22.947	8.43	-0.5	11.2	11.3
7/8/2005	7:00:28	26.69	55.029	36.42	86.1	5.62	35	48.46	22.984	8.42	-0.5	9.5	11.3
7/8/2005	7:30:28	26.71	55.035	36.42	84.7	5.53	33	48.53	23.027	8.42	-0.5	8.7	11.3
7/8/2005	8:00:28	26.72	55.035	36.42	84.6	5.52	35	48.62	23.091	8.42	-0.5	10.0	11.3
7/8/2005	8:30:28	26.73	55.011	36.40	83.2	5.43	35	48.65	23.111	8.41	-0.6	9.8	11.3
7/8/2005	9:00:28	26.80	55.020	36.41	84.5	5.51	33	48.71	23.150	8.42	-0.5	11.9	11.3
7/8/2005	9:30:28	26.81	55.033	36.42	84.8	5.53	35	48.79	23.210	8.41	-0.5	9.0	11.3
7/8/2005	10:00:28	26.81	54.997	36.39	78.6	5.12	33	48.88	23.269	8.40	-0.5	12.3	11.3
7/8/2005	10:30:28	26.90	55.017	36.40	79.3	5.16	33	48.91	23.293	8.40	-0.5	12.5	11.3
7/8/2005	11:00:28	26.96	54.993	36.38	85.9	5.58	33	48.93	23.309	8.42	-0.5	17.9	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank
June 8, 2005 - August 27, 2005

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/8/2005	11:30:27	26.93	55.011	36.40	80.1	5.21	35	48.97	23.333	8.39	0.3	8.8	11.3
7/8/2005	12:00:28	26.92	52.836	34.78	77.9	5.11	33	49.01	23.391	8.38	3.3	6.3	11.3
7/8/2005	12:30:28	26.94	55.019	36.40	86.2	5.61	35	49.02	23.366	8.41	6.3	13.9	11.3
7/8/2005	13:00:28	26.94	54.016	35.66	92.5	6.04	35	49.03	23.391	8.43	14.2	14.5	11.3
7/8/2005	13:30:28	26.94	55.001	36.39	92.8	6.04	35	49.05	23.389	8.43	19.8	8.6	11.3
7/8/2005	14:00:28	26.98	54.971	36.37	97.1	6.31	35	49.05	23.389	8.44	22.7	11.4	11.3
7/8/2005	14:30:28	26.99	54.969	36.37	108.9	7.08	37	49.07	23.400	8.48	33.3	10.9	11.3
7/8/2005	15:00:28	27.01	54.962	36.36	111.7	7.26	37	49.06	23.394	8.48	38.7	9.8	11.3
7/8/2005	15:30:28	27.03	54.962	36.36	108.4	7.04	37	49.05	23.393	8.46	43.9	20.2	11.3
7/8/2005	16:00:28	27.06	53.741	35.45	111.1	7.25	37	49.02	23.387	8.48	50.6	14.1	11.3
7/8/2005	16:30:28	27.08	54.942	36.34	110.5	7.17	37	49.03	23.374	8.49	56.3	21.0	11.3
7/8/2005	17:00:28	27.14	54.963	36.36	114.9	7.45	37	48.98	23.340	8.49	60.1	12.6	11.3
7/8/2005	17:30:28	27.28	54.938	36.33	125.1	8.09	38	48.95	23.322	8.54	62.2	20.8	11.3
7/8/2005	18:00:28	27.36	55.095	36.45	131.7	8.50	39	48.96	23.328	8.56	65.5	19.0	11.3
7/8/2005	18:30:28	27.63	55.329	36.62	137.1	8.80	39	48.91	23.296	8.58	63.1	18.5	11.3
7/8/2005	19:00:28	27.65	55.327	36.61	145.7	9.36	40	48.86	23.260	8.56	66.8	18.1	11.3
7/8/2005	19:30:28	27.68	55.351	36.63	139.8	8.97	40	48.83	23.239	8.51	59.4	19.0	11.3
7/8/2005	20:00:28	27.67	54.932	36.32	146.2	9.40	40	48.78	23.209	8.51	55.3	22.6	11.3
7/8/2005	20:30:28	27.76	54.391	35.91	135.7	8.73	39	48.76	23.201	8.49	51.4	20.8	11.3
7/8/2005	21:00:28	27.86	55.395	36.66	135.9	8.70	39	48.69	23.145	8.50	46.6	18.3	11.3
7/8/2005	21:30:28	27.92	52.756	34.69	123.5	7.98	38	48.61	23.124	8.47	41.1	19.5	11.3
7/8/2005	22:00:28	27.91	50.678	33.16	118.6	7.73	37	48.59	23.134	8.46	35.6	17.2	11.3
7/8/2005	22:30:28	27.90	50.856	33.29	114.4	7.45	38	48.53	23.089	8.46	31.1	17.0	11.3
7/8/2005	23:00:27	27.90	53.056	34.92	110.8	7.15	37	48.47	23.021	8.45	23.7	20.6	11.3
7/8/2005	23:30:28	27.88	52.270	34.33	106.4	6.90	36	48.40	22.983	8.43	16.8	30.2	11.3
7/9/2005	0:00:28	27.85	52.918	34.82	100.6	6.50	36	48.34	22.934	8.41	10.8	31.1	11.3
7/9/2005	0:30:28	27.78	53.141	34.98	93.3	6.03	35	48.30	22.905	8.41	4.7	28.1	11.3
7/9/2005	1:00:28	27.79	55.513	36.75	93.0	5.96	35	48.26	22.848	8.41	1.1	32.3	11.3
7/9/2005	1:30:28	27.79	55.589	36.81	89.0	5.70	35	48.21	22.807	8.40	-0.3	22.3	11.3
7/9/2005	2:00:28	27.73	55.576	36.80	89.4	5.73	35	48.19	22.794	8.40	-0.5	23.4	11.3
7/9/2005	2:30:28	27.44	55.375	36.66	89.4	5.76	35	48.18	22.792	8.40	-0.5	20.0	11.3
7/9/2005	3:00:28	27.22	55.243	36.56	91.5	5.92	35	48.17	22.780	8.41	-0.5	20.9	11.3
7/9/2005	3:30:28	27.16	55.192	36.53	90.1	5.84	35	48.15	22.771	8.42	-0.6	17.7	11.3
7/9/2005	4:00:28	27.23	55.216	36.54	88.0	5.70	35	48.17	22.786	8.41	-0.6	30.3	11.3
7/9/2005	4:30:28	27.29	55.235	36.56	82.4	5.33	33	48.21	22.808	8.39	-0.7	19.0	11.3
7/9/2005	5:00:28	27.24	55.212	36.54	83.0	5.37	33	48.22	22.816	8.39	-0.7	32.7	11.3
7/9/2005	5:30:28	27.23	55.194	36.53	82.8	5.36	35	48.26	22.848	8.40	-0.7	29.2	11.3
7/9/2005	6:00:28	27.23	55.207	36.54	81.8	5.29	33	48.30	22.875	8.39	-0.6	24.4	11.3
7/9/2005	6:30:28	27.25	55.222	36.55	80.6	5.21	35	48.35	22.908	8.39	-0.7	25.2	11.3
7/9/2005	7:00:28	27.31	55.219	36.54	75.2	4.86	33	48.42	22.956	8.37	-0.7	30.0	11.3
7/9/2005	7:30:28	27.29	55.191	36.52	75.5	4.88	33	48.46	22.981	8.37	-0.8	21.6	11.3
7/9/2005	8:00:28	27.31	55.202	36.53	73.6	4.76	33	48.55	23.042	8.36	-0.7	19.5	11.3
7/9/2005	8:30:28	27.31	55.191	36.52	72.0	4.65	33	48.60	23.078	8.36	-0.7	20.5	11.3
7/9/2005	9:00:28	27.32	55.187	36.52	66.5	4.30	33	48.69	23.140	8.34	-0.8	37.5	11.3
7/9/2005	9:30:28	27.39	55.203	36.53	64.5	4.16	33	48.73	23.173	8.33	-0.9	31.8	11.3
7/9/2005	10:00:28	27.44	55.199	36.52	60.6	3.91	32	48.79	23.208	8.32	-0.9	21.1	11.3
7/9/2005	10:30:28	27.49	55.136	36.48	55.1	3.55	32	48.83	23.243	8.30	-0.8	39.0	11.3
7/9/2005	11:00:28	27.53	55.154	36.49	53.6	3.45	32	48.90	23.286	8.29	-0.8	26.5	11.3
7/9/2005	11:30:27	27.55	55.130	36.47	50.8	3.27	30	48.92	23.304	8.28	-0.2	2.9	11.3
7/9/2005	12:00:28	27.58	55.126	36.47	53.2	3.43	32	48.96	23.332	8.29	2.4	4.7	11.3
7/9/2005	12:30:28	27.73	55.098	36.44	55.8	3.58	32	48.99	23.352	8.31	6.4	9.1	11.3
7/9/2005	13:00:28	27.80	55.018	36.38	55.6	3.57	32	49.01	23.369	8.31	8.9	12.8	11.3
7/9/2005	13:30:28	27.76	55.076	36.42	71.7	4.60	33	49.04	23.387	8.36	21.4	11.4	11.3
7/9/2005	14:00:28	27.95	54.937	36.31	71.6	4.58	33	49.05	23.397	8.37	25.4	16.6	11.3
7/9/2005	14:30:28	28.08	54.946	36.32	90.1	5.75	35	49.02	23.375	8.41	18.0	7.9	11.3
7/9/2005	15:00:28	28.13	54.921	36.30	117.6	7.51	38	49.03	23.385	8.52	47.3	14.5	11.3
7/9/2005	15:30:28	28.04	54.966	36.33	86.7	5.54	35	49.01	23.371	8.38	5.0	13.6	11.3
7/9/2005	16:00:28	28.09	54.913	36.29	84.0	5.37	35	49.00	23.365	8.38	2.9	12.6	11.3
7/9/2005	16:30:28	28.07	53.624	35.33	79.2	5.09	35	49.00	23.379	8.37	6.2	12.2	11.3
7/9/2005	17:00:28	28.08	54.912	36.29	87.3	5.57	35	48.96	23.338	8.39	20.2	13.4	11.3
7/9/2005	17:30:28	28.12	54.911	36.29	108.1	6.90	37	48.92	23.312	8.48	35.8	13.1	11.3
7/9/2005	18:00:28	28.14	54.892	36.27	126.1	8.05	38	48.89	23.292	8.55	77.9	17.0	11.3
7/9/2005	18:30:28	28.17	54.878	36.26	125.0	7.98	38	48.88	23.281	8.56	69.9	17.8	11.3
7/9/2005	19:00:28	28.19	54.869	36.26	122.6	7.82	38	48.85	23.261	8.51	67.1	20.8	11.3
7/9/2005	19:30:28	28.22	54.859	36.25	130.9	8.34	38	48.82	23.245	8.50	66.1	16.5	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/9/2005	20:00:28	28.25	54.864	36.25	134.3	8.56	39	48.78	23.216	8.47	63.2	18.4	11.3
7/9/2005	20:30:28	28.25	54.872	36.26	135.0	8.60	39	48.73	23.181	8.47	57.8	5.3	11.3
7/9/2005	21:00:28	28.28	54.855	36.24	129.8	8.27	39	48.69	23.152	8.47	51.9	4.7	11.3
7/9/2005	21:30:28	28.29	54.854	36.24	124.5	7.93	39	48.64	23.120	8.47	43.9	6.7	11.3
7/9/2005	22:00:28	28.31	54.849	36.24	119.3	7.59	38	48.62	23.107	8.46	37.3	9.5	11.3
7/9/2005	22:30:28	28.32	54.825	36.22	113.1	7.20	37	48.57	23.072	8.45	30.9	8.6	11.3
7/9/2005	23:00:27	28.32	54.822	36.22	107.0	6.81	37	48.53	23.042	8.42	24.7	9.4	11.3
7/9/2005	23:30:28	28.33	54.820	36.21	100.8	6.42	36	48.47	23.001	8.40	15.1	11.5	11.3
7/10/2005	0:00:28	28.33	54.833	36.22	98.8	6.29	36	48.40	22.958	8.39	9.2	10.3	11.3
7/10/2005	0:30:28	28.33	54.833	36.22	92.2	5.87	36	48.35	22.919	8.37	4.1	12.2	11.3
7/10/2005	1:00:28	28.33	54.838	36.23	88.5	5.63	35	48.32	22.896	8.37	0.7	10.9	11.3
7/10/2005	1:30:28	28.34	54.815	36.21	85.6	5.45	35	48.27	22.866	8.35	-0.7	18.4	11.3
7/10/2005	2:00:28	28.35	54.790	36.19	79.2	5.04	33	48.22	22.834	8.34	-0.9	17.7	11.3
7/10/2005	2:30:28	28.33	54.774	36.18	82.1	5.23	35	48.20	22.816	8.35	-1.1	18.8	11.3
7/10/2005	3:00:28	28.28	54.746	36.16	81.9	5.22	35	48.18	22.804	8.35	-1.0	15.5	11.3
7/10/2005	3:30:28	28.20	54.844	36.24	89.5	5.71	35	48.15	22.782	8.39	-1.1	20.0	11.3
7/10/2005	4:00:28	28.11	55.004	36.36	93.2	5.95	35	48.17	22.796	8.41	-1.1	15.0	11.3
7/10/2005	4:30:28	28.14	55.029	36.38	92.3	5.88	35	48.18	22.798	8.41	-1.0	15.6	11.3
7/10/2005	5:00:28	28.20	55.044	36.38	91.3	5.82	35	48.21	22.817	8.41	-1.0	16.2	11.3
7/10/2005	5:30:28	28.27	55.056	36.39	90.0	5.73	35	48.25	22.844	8.41	-1.0	17.3	11.3
7/10/2005	6:00:28	28.24	55.055	36.39	86.7	5.52	35	48.26	22.857	8.39	-1.0	17.8	11.3
7/10/2005	6:30:28	28.29	55.063	36.40	88.6	5.64	35	48.32	22.893	8.40	-1.0	19.2	11.3
7/10/2005	7:00:28	28.51	55.097	36.41	86.6	5.49	35	48.35	22.917	8.40	-1.1	19.1	11.3
7/10/2005	7:30:28	28.42	55.091	36.41	83.8	5.32	33	48.38	22.936	8.38	-1.0	18.9	11.3
7/10/2005	8:00:28	28.55	55.079	36.40	84.2	5.34	35	48.42	22.967	8.39	-1.2	13.9	11.3
7/10/2005	8:30:28	28.60	55.086	36.40	85.3	5.40	35	48.58	23.079	8.39	-1.2	15.8	11.3
7/10/2005	9:00:28	28.65	55.035	36.36	82.7	5.23	35	48.51	23.027	8.38	-1.1	18.9	11.3
7/10/2005	9:30:28	28.73	54.975	36.32	83.6	5.28	33	48.59	23.087	8.38	-1.2	17.3	11.3
7/10/2005	10:00:28	28.69	54.993	36.33	82.2	5.20	35	48.64	23.118	8.38	-1.3	22.4	11.3
7/10/2005	10:30:28	28.73	54.961	36.31	82.5	5.21	33	48.72	23.175	8.38	-1.3	19.0	11.3
7/10/2005	11:00:28	28.74	54.956	36.30	82.7	5.23	35	48.89	23.293	8.38	-1.3	17.4	11.3
7/10/2005	11:30:27	28.78	54.856	36.23	84.6	5.34	35	48.84	23.263	8.38	-0.8	11.3	11.3
7/10/2005	12:00:28	28.77	54.927	36.28	82.9	5.24	35	48.71	23.173	8.38	2.7	11.7	11.3
7/10/2005	12:30:28	28.80	54.914	36.27	83.1	5.25	35	48.79	23.227	8.38	6.6	7.9	11.3
7/10/2005	13:00:28	28.79	54.910	36.27	85.2	5.38	35	48.84	23.257	8.38	12.8	14.7	11.3
7/10/2005	13:30:28	28.81	54.888	36.25	78.8	4.97	35	48.92	23.317	8.35	3.3	10.2	11.3
7/10/2005	14:00:28	28.82	54.881	36.24	76.6	4.84	33	48.88	23.290	8.35	2.9	9.8	11.3
7/10/2005	14:30:28	28.87	54.844	36.21	79.6	5.02	35	48.94	23.327	8.36	10.1	10.3	11.3
7/10/2005	15:00:28	28.89	54.826	36.20	82.4	5.20	33	49.02	23.384	8.36	23.4	5.0	11.3
7/10/2005	15:30:28	28.91	54.799	36.18	82.6	5.21	33	48.85	23.267	8.36	35.8	4.3	11.3
7/10/2005	16:00:28	28.88	54.780	36.17	80.5	5.08	33	48.65	23.129	8.35	19.6	3.9	11.3
7/10/2005	16:30:28	28.81	54.726	36.13	88.8	5.61	35	48.75	23.203	8.37	56.1	2.8	11.3
7/10/2005	17:00:28	28.75	54.657	36.08	92.0	5.82	35	49.22	23.523	8.38	54.9	2.9	11.3
7/10/2005	17:30:28	28.73	54.585	36.03	99.4	6.29	36	48.83	23.256	8.40	61.4	2.8	11.3
7/10/2005	18:00:28	28.73	54.535	35.99	100.3	6.35	36	48.80	23.238	8.40	61.3	3.2	11.3
7/10/2005	18:30:28	28.75	54.389	35.88	105.8	6.70	36	48.67	23.152	8.43	58.7	3.2	11.3
7/10/2005	19:00:28	28.75	54.338	35.84	104.1	6.60	37	49.01	23.382	8.42	40.3	3.4	11.3
7/10/2005	19:30:28	28.75	54.273	35.79	105.6	6.69	36	48.73	23.193	8.42	57.7	3.1	11.3
7/10/2005	20:00:28	28.77	54.058	35.63	107.4	6.81	36	49.09	23.445	8.42	43.9	3.6	11.3
7/10/2005	20:30:28	28.79	53.953	35.55	106.1	6.72	37	48.56	23.077	8.42	42.6	6.0	11.3
7/10/2005	21:00:28	28.81	53.905	35.52	106.4	6.75	37	49.06	23.424	8.43	35.7	2.5	11.3
7/10/2005	21:30:28	28.81	53.958	35.56	105.1	6.66	37	49.71	23.875	8.42	28.5	2.8	11.3
7/10/2005	22:00:28	28.83	54.172	35.71	104.0	6.58	36	49.00	23.377	8.42	25.6	2.6	11.3
7/10/2005	22:30:28	28.87	54.406	35.89	103.5	6.54	36	48.95	23.340	8.42	22.1	2.6	11.3
7/10/2005	23:00:27	28.89	54.589	36.02	102.9	6.50	36	48.70	23.170	8.42	16.3	2.4	11.3
7/10/2005	23:30:28	28.85	54.733	36.13	102.0	6.44	36	48.74	23.190	8.42	11.5	2.6	11.3
7/11/2005	0:00:28	28.83	54.741	36.14	100.4	6.34	36	48.28	22.877	8.42	6.1	2.7	11.3
7/11/2005	0:30:28	28.83	54.750	36.14	98.9	6.25	36	48.59	23.089	8.41	3.0	2.3	11.3
7/11/2005	1:00:28	28.83	54.750	36.15	97.3	6.14	36	48.58	23.086	8.42	0.1	2.4	11.3
7/11/2005	1:30:28	28.83	54.725	36.13	95.1	6.00	35	48.64	23.126	8.42	-1.2	2.0	11.3
7/11/2005	2:00:28	28.83	54.678	36.09	94.7	5.99	35	46.64	21.747	8.42	-1.2	2.5	11.3
7/11/2005	2:30:28	28.84	54.595	36.03	93.9	5.94	35	48.66	23.140	8.41	-1.4	3.1	11.3
7/11/2005	3:00:28	28.84	54.532	35.98	93.3	5.90	36	47.31	22.215	8.41	-1.4	2.6	11.3
7/11/2005	3:30:28	28.85	54.487	35.95	93.0	5.88	36	48.32	22.908	8.41	-1.4	2.5	11.3
7/11/2005	4:00:28	28.84	54.455	35.93	93.0	5.88	36	48.49	23.026	8.41	-1.5	2.6	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/11/2005	4:30:28	28.84	54.423	35.90	93.0	5.88	36	48.59	23.097	8.42	-1.2	1.8	11.3
7/11/2005	5:00:28	28.82	54.331	35.83	92.5	5.85	36	48.17	22.805	8.41	-1.2	2.3	11.3
7/11/2005	5:30:28	28.81	54.248	35.77	92.1	5.83	35	48.33	22.920	8.41	-1.2	1.8	11.3
7/11/2005	6:00:28	28.81	54.163	35.71	91.2	5.77	36	49.21	23.528	8.41	-1.2	5.4	11.3
7/11/2005	6:30:28	28.81	54.095	35.66	90.5	5.73	35	48.24	22.858	8.41	-1.2	2.6	11.3
7/11/2005	7:00:28	28.82	54.048	35.62	88.9	5.63	35	48.55	23.075	8.40	-1.0	2.5	11.3
7/11/2005	7:30:28	28.81	54.034	35.61	88.5	5.61	35	48.38	22.958	8.40	-1.1	1.4	11.3
7/11/2005	8:00:28	28.80	53.994	35.58	87.4	5.54	35	48.50	23.041	8.40	-1.0	1.5	11.3
7/11/2005	8:30:28	28.79	53.951	35.55	86.7	5.50	35	48.67	23.157	8.40	-1.0	1.4	11.3
7/11/2005	9:00:28	28.76	53.879	35.50	85.3	5.41	35	48.74	23.203	8.39	-1.0	1.6	11.3
7/11/2005	9:30:28	28.71	53.777	35.43	85.4	5.42	35	48.56	23.083	8.39	-1.0	1.5	11.3
7/11/2005	10:00:28	28.70	53.752	35.41	85.5	5.43	35	48.67	23.156	8.39	-1.0	1.6	11.3
7/11/2005	10:30:28	28.70	53.715	35.38	84.8	5.39	35	48.72	23.191	8.39	-1.0	1.6	11.3
7/11/2005	11:00:28	28.72	53.720	35.38	84.0	5.33	35	48.70	23.181	8.39	-1.2	1.6	11.3
7/11/2005	11:30:27	28.70	53.715	35.38	83.2	5.29	35	48.73	23.201	8.39	-0.7	1.8	11.3
7/11/2005	12:00:28	28.71	53.712	35.38	82.2	5.22	33	48.76	23.220	8.38	2.0	1.8	11.3
7/11/2005	12:30:28	28.71	53.695	35.36	82.9	5.27	35	48.63	23.133	8.38	6.8	1.8	11.3
7/11/2005	13:00:28	28.73	53.697	35.37	82.5	5.24	35	48.84	23.275	8.38	9.7	3.5	11.3
7/11/2005	13:30:28	28.83	53.736	35.39	88.4	5.61	36	48.90	23.314	8.39	19.3	3.4	11.3
7/11/2005	14:00:28	28.82	53.857	35.48	90.7	5.75	36	48.88	23.297	8.40	23.0	3.3	11.3
7/11/2005	14:30:28	28.79	53.975	35.57	90.3	5.72	36	48.82	23.257	8.39	21.2	3.2	11.3
7/11/2005	15:00:28	28.69	54.541	35.99	106.8	6.77	37	48.94	23.336	8.44	41.3	3.2	11.3
7/11/2005	15:30:28	28.64	54.657	36.08	104.9	6.65	37	48.75	23.203	8.43	17.4	2.8	11.3
7/11/2005	16:00:28	28.65	54.610	36.05	113.7	7.20	37	48.80	23.235	8.47	44.8	3.3	11.3
7/11/2005	16:30:28	28.67	54.599	36.04	112.2	7.11	38	48.89	23.299	8.46	44.0	5.3	11.3
7/11/2005	17:00:28	28.66	54.523	35.98	121.7	7.71	39	48.79	23.231	8.49	49.0	4.5	11.3
7/11/2005	17:30:28	28.64	54.454	35.93	116.2	7.37	38	48.87	23.286	8.47	49.6	5.6	11.3
7/11/2005	18:00:28	28.62	54.405	35.89	115.5	7.33	38	48.78	23.226	8.48	54.2	6.0	11.3
7/11/2005	18:30:28	28.62	54.343	35.85	116.8	7.41	38	48.77	23.214	8.47	42.8	5.3	11.3
7/11/2005	19:00:28	28.65	54.340	35.85	121.4	7.70	38	48.73	23.190	8.50	50.4	5.6	11.3
7/11/2005	19:30:28	28.73	54.401	35.89	133.4	8.45	39	48.74	23.197	8.51	66.6	6.2	11.3
7/11/2005	20:00:28	28.74	54.418	35.90	112.0	7.09	37	48.71	23.173	8.46	23.2	7.5	11.3
7/11/2005	20:30:28	28.80	54.480	35.94	123.0	7.78	38	48.77	23.216	8.47	46.7	7.1	11.3
7/11/2005	21:00:28	28.82	54.482	35.95	123.3	7.80	38	48.70	23.172	8.46	40.3	7.6	11.3
7/11/2005	21:30:28	28.79	54.571	36.01	117.9	7.46	38	48.80	23.235	8.45	35.8	9.9	11.3
7/11/2005	22:00:28	28.79	54.645	36.07	116.7	7.38	37	48.68	23.155	8.46	32.6	10.3	11.3
7/11/2005	22:30:28	28.81	54.632	36.06	114.0	7.21	38	48.77	23.217	8.45	27.4	11.2	11.3
7/11/2005	23:00:27	28.82	54.596	36.03	111.1	7.03	37	48.76	23.210	8.45	20.7	12.0	11.3
7/11/2005	23:30:28	28.90	54.516	35.97	103.9	6.56	37	48.64	23.129	8.43	14.8	15.7	11.3
7/12/2005	0:00:28	28.88	54.557	36.00	101.3	6.40	36	48.71	23.176	8.43	8.8	11.1	11.3
7/12/2005	0:30:28	28.87	54.567	36.01	97.8	6.18	36	48.56	23.074	8.42	3.9	14.1	11.3
7/12/2005	1:00:28	28.88	54.540	35.99	95.3	6.02	36	48.63	23.123	8.42	0.6	10.2	11.3
7/12/2005	1:30:28	28.89	54.528	35.98	92.9	5.87	35	48.61	23.109	8.42	-1.0	9.7	11.3
7/12/2005	2:00:28	28.89	54.501	35.96	90.6	5.72	35	48.64	23.126	8.41	-1.2	9.5	11.3
7/12/2005	2:30:28	28.88	54.511	35.97	89.1	5.63	35	48.58	23.088	8.41	-1.2	14.1	11.3
7/12/2005	3:00:28	28.88	54.509	35.96	88.1	5.57	36	48.62	23.114	8.40	-1.3	9.0	11.3
7/12/2005	3:30:28	28.87	54.505	35.96	87.4	5.52	36	48.56	23.070	8.40	-1.4	9.6	11.3
7/12/2005	4:00:28	28.87	53.467	35.19	85.9	5.45	35	48.56	23.088	8.40	-1.3	11.2	11.3
7/12/2005	4:30:28	28.87	54.299	35.81	81.7	5.17	35	48.59	23.099	8.39	-1.6	11.3	11.3
7/12/2005	5:00:28	28.87	52.467	34.45	80.5	5.13	35	48.52	23.071	8.38	-1.6	11.3	11.3
7/12/2005	5:30:28	28.87	52.974	34.82	79.7	5.07	33	48.56	23.094	8.38	-1.6	7.6	11.3
7/12/2005	6:00:28	28.86	54.498	35.96	79.9	5.05	35	48.65	23.137	8.38	-1.7	10.2	11.3
7/12/2005	6:30:28	28.86	54.488	35.95	75.4	4.76	33	48.58	23.089	8.37	-1.6	11.5	11.3
7/12/2005	7:00:28	28.86	54.469	35.93	71.0	4.49	33	48.62	23.115	8.35	-1.7	11.6	11.3
7/12/2005	7:30:28	28.85	54.451	35.92	66.6	4.21	33	48.64	23.127	8.34	-1.8	13.2	11.3
7/12/2005	8:00:28	28.85	54.443	35.92	62.6	3.96	33	48.64	23.128	8.33	-1.9	16.4	11.3
7/12/2005	8:30:28	28.78	54.287	35.80	87.7	5.55	35	48.76	23.212	8.40	-1.8	12.0	11.3
7/12/2005	9:00:28	28.27	54.517	35.99	92.5	5.90	36	48.76	23.205	8.41	-1.6	9.8	11.3
7/12/2005	9:30:28	26.98	53.631	35.37	94.9	6.21	36	48.80	23.232	8.41	-1.4	9.8	11.3
7/12/2005	10:00:28	26.90	53.976	35.63	94.6	6.18	36	48.81	23.233	8.43	-1.4	14.8	11.3
7/12/2005	10:30:28	26.94	54.305	35.87	93.8	6.12	35	48.81	23.230	8.44	-1.4	20.2	11.3
7/12/2005	11:00:28	27.04	54.509	36.02	93.8	6.11	35	48.88	23.279	8.45	-1.4	6.7	11.3
7/12/2005	11:30:27	27.25	54.683	36.14	94.7	6.14	36	48.92	23.307	8.46	-0.7	14.2	11.3
7/12/2005	12:00:28	27.44	54.794	36.22	96.4	6.23	36	48.95	23.323	8.46	2.7	12.8	11.3
7/12/2005	12:30:28	27.35	54.764	36.20	100.8	6.52	37	48.94	23.322	8.46	6.7	19.5	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/12/2005	13:00:28	27.22	54.736	36.19	107.6	6.98	37	48.93	23.309	8.47	11.6	22.5	11.3
7/12/2005	13:30:28	27.06	54.620	36.10	114.0	7.41	37	48.98	23.343	8.49	17.9	10.2	11.3
7/12/2005	14:00:28	27.19	54.703	36.16	114.4	7.42	38	48.96	23.329	8.49	28.0	20.6	11.3
7/12/2005	14:30:28	27.41	54.827	36.25	119.0	7.68	38	48.99	23.355	8.51	34.9	13.1	11.3
7/12/2005	15:00:28	27.46	54.880	36.29	117.1	7.55	37	48.95	23.326	8.51	36.6	11.0	11.3
7/12/2005	15:30:28	27.67	54.948	36.33	126.8	8.15	39	48.97	23.338	8.53	47.2	15.6	11.3
7/12/2005	16:00:28	28.10	55.139	36.46	132.2	8.44	39	48.96	23.331	8.54	56.5	16.1	11.3
7/12/2005	16:30:28	28.41	55.407	36.65	129.6	8.22	39	48.91	23.301	8.53	48.2	16.0	11.3
7/12/2005	17:00:28	28.62	55.361	36.61	129.5	8.19	38	48.90	23.292	8.54	58.8	10.1	11.3
7/12/2005	17:30:28	28.84	55.418	36.64	141.8	8.93	40	48.91	23.301	8.54	70.2	17.9	11.3
7/12/2005	18:00:28	29.08	55.467	36.67	112.3	7.04	37	48.86	23.271	8.46	10.9	20.8	11.3
7/12/2005	18:30:28	29.21	55.465	36.67	113.1	7.08	37	48.86	23.272	8.47	23.4	11.3	11.3
7/12/2005	19:00:28	29.25	55.411	36.62	155.6	9.74	41	48.85	23.265	8.60	73.2	11.9	11.3
7/12/2005	19:30:28	29.13	55.378	36.60	126.7	7.94	39	48.79	23.226	8.46	20.9	24.5	11.3
7/12/2005	20:00:28	29.11	55.393	36.62	151.3	9.49	41	48.79	23.223	8.49	64.9	17.3	11.3
7/12/2005	20:30:28	29.12	55.390	36.61	154.6	9.70	41	48.82	23.243	8.49	61.6	16.4	11.3
7/12/2005	21:00:28	29.18	55.380	36.60	151.3	9.48	41	48.81	23.240	8.50	57.2	11.7	11.3
7/12/2005	21:30:28	29.22	55.376	36.60	134.1	8.39	39	48.79	23.224	8.48	49.0	11.7	11.3
7/12/2005	22:00:28	29.21	55.375	36.60	135.0	8.45	39	48.81	23.236	8.50	44.4	16.2	11.3
7/12/2005	22:30:28	29.25	55.371	36.59	128.6	8.05	39	48.76	23.206	8.49	36.7	24.2	11.3
7/12/2005	23:00:27	29.28	55.367	36.59	114.8	7.18	38	48.76	23.204	8.45	24.7	14.6	11.3
7/12/2005	23:30:28	29.27	55.358	36.58	106.6	6.67	37	48.75	23.195	8.42	8.8	18.8	11.3
7/13/2005	0:00:28	29.02	55.239	36.50	102.7	6.45	37	48.76	23.201	8.41	7.3	19.4	11.3
7/13/2005	0:30:28	28.88	55.207	36.48	95.6	6.02	36	48.76	23.203	8.40	3.4	20.5	11.3
7/13/2005	1:00:28	28.81	55.192	36.48	90.5	5.71	35	48.76	23.201	8.40	0.4	15.9	11.3
7/13/2005	1:30:28	28.76	55.178	36.47	86.3	5.44	35	48.74	23.189	8.39	-1.3	22.0	11.3
7/13/2005	2:00:28	28.43	55.090	36.41	84.6	5.37	35	48.74	23.183	8.38	-1.3	16.4	11.3
7/13/2005	2:30:28	28.10	55.001	36.36	81.2	5.18	35	48.70	23.156	8.38	-1.4	7.5	11.3
7/13/2005	3:00:28	27.75	54.967	36.34	82.3	5.29	35	48.70	23.157	8.39	-1.3	8.2	11.3
7/13/2005	3:30:28	27.65	54.945	36.33	81.4	5.24	33	48.71	23.163	8.39	-1.4	7.6	11.3
7/13/2005	4:00:28	27.63	54.938	36.32	80.2	5.16	33	48.70	23.155	8.40	-1.3	7.6	11.3
7/13/2005	4:30:28	26.57	54.540	36.06	84.5	5.54	35	48.68	23.139	8.39	-1.3	8.0	11.3
7/13/2005	5:00:28	26.13	54.449	36.00	83.8	5.53	35	48.69	23.141	8.41	-1.2	8.2	11.3
7/13/2005	5:30:28	25.91	54.403	35.97	83.6	5.54	33	48.67	23.129	8.42	-1.3	8.3	11.3
7/13/2005	6:00:28	25.94	54.402	35.97	85.2	5.65	33	48.66	23.120	8.43	-1.3	7.9	11.3
7/13/2005	6:30:28	25.95	54.407	35.98	83.5	5.53	35	48.68	23.134	8.43	-1.5	8.9	11.3
7/13/2005	7:00:28	25.95	54.406	35.97	84.9	5.63	33	48.69	23.142	8.44	-1.7	9.4	11.3
7/13/2005	7:30:28	25.80	54.444	36.01	85.1	5.65	33	48.68	23.134	8.44	-1.8	10.1	11.3
7/13/2005	8:00:28	25.71	54.482	36.04	83.5	5.56	33	48.69	23.138	8.44	-1.7	9.6	11.3
7/13/2005	8:30:28	25.73	54.508	36.06	83.7	5.57	33	48.74	23.170	8.44	-1.6	11.1	11.3
7/13/2005	9:00:28	25.73	54.523	36.07	82.5	5.49	35	48.76	23.187	8.44	-1.6	11.1	11.3
7/13/2005	9:30:28	25.75	54.522	36.07	81.5	5.42	33	48.78	23.201	8.44	-1.6	11.9	11.3
7/13/2005	10:00:28	25.77	54.521	36.06	80.4	5.34	33	48.78	23.199	8.43	-1.7	10.9	11.3
7/13/2005	10:30:28	25.78	54.512	36.06	78.8	5.24	33	48.83	23.236	8.43	-1.7	11.3	11.3
7/13/2005	11:00:28	25.81	54.459	36.02	78.1	5.19	33	48.85	23.250	8.42	-1.7	11.4	11.3
7/13/2005	11:30:27	25.82	54.485	36.04	76.0	5.04	33	48.87	23.265	8.42	-1.0	12.6	11.3
7/13/2005	12:00:28	25.77	54.372	35.95	80.5	5.35	33	48.88	23.268	8.43	2.1	13.7	11.3
7/13/2005	12:30:28	25.78	54.384	35.96	84.0	5.59	33	48.89	23.280	8.43	7.1	13.3	11.3
7/13/2005	13:00:28	25.79	54.353	35.94	93.2	6.20	36	48.90	23.282	8.45	12.2	15.1	11.3
7/13/2005	13:30:28	25.80	54.330	35.92	101.3	6.73	36	48.90	23.286	8.47	20.0	20.1	11.3
7/13/2005	14:00:28	25.83	54.324	35.92	112.9	7.50	37	48.89	23.281	8.50	26.4	18.3	11.3
7/13/2005	14:30:28	25.87	54.325	35.92	111.3	7.39	37	48.87	23.268	8.49	33.4	19.9	11.3
7/13/2005	15:00:28	25.91	54.327	35.92	113.3	7.52	37	48.85	23.250	8.49	41.8	21.3	11.3
7/13/2005	15:30:28	25.94	54.326	35.91	110.3	7.31	37	48.85	23.252	8.49	47.8	18.0	11.3
7/13/2005	16:00:28	25.99	54.322	35.91	114.8	7.61	37	48.80	23.218	8.51	52.0	20.5	11.3
7/13/2005	16:30:28	26.08	54.316	35.90	101.8	6.73	36	48.79	23.211	8.46	52.5	20.3	11.3
7/13/2005	17:00:28	26.12	54.323	35.91	116.0	7.67	37	48.77	23.201	8.50	60.8	26.0	11.3
7/13/2005	17:30:28	26.18	54.320	35.90	117.0	7.73	37	48.74	23.181	8.50	64.5	30.2	11.3
7/13/2005	18:00:28	26.22	53.795	35.51	122.0	8.07	38	48.71	23.167	8.55	70.2	32.7	11.3
7/13/2005	18:30:28	26.29	54.181	35.80	136.0	8.97	39	48.68	23.137	8.59	71.2	37.8	11.3
7/13/2005	19:00:28	26.37	54.028	35.68	131.9	8.69	38	48.65	23.123	8.52	29.4	39.2	11.3
7/13/2005	19:30:28	26.41	54.161	35.78	138.4	9.12	39	48.67	23.130	8.54	71.1	16.4	11.3
7/13/2005	20:00:28	26.45	54.044	35.69	150.8	9.93	41	48.61	23.093	8.55	64.0	25.9	11.3
7/13/2005	20:30:28	26.52	54.106	35.74	140.8	9.25	39	48.60	23.090	8.53	58.3	1224.9	11.3
7/13/2005	21:00:28	26.55	54.110	35.74	136.7	8.98	39	48.61	23.094	8.53	53.5	29.8	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/13/2005	21:30:28	26.60	54.107	35.73	137.4	9.02	39	48.59	23.081	8.52	44.5	32.7	11.3
7/13/2005	22:00:28	26.64	54.100	35.73	134.4	8.82	39	48.61	23.095	8.53	35.5	40.3	11.3
7/13/2005	22:30:28	26.68	54.101	35.73	129.2	8.47	38	48.58	23.078	8.52	32.0	42.8	11.3
7/13/2005	23:00:27	26.64	54.131	35.75	113.2	7.42	37	48.63	23.109	8.48	21.0	33.5	11.3
7/13/2005	23:30:28	26.44	54.149	35.77	103.5	6.81	36	48.64	23.114	8.46	13.4	47.7	11.3
7/14/2005	0:00:28	26.23	54.179	35.80	98.7	6.52	36	48.64	23.114	8.45	8.2	41.8	11.3
7/14/2005	0:30:28	26.07	54.438	36.00	93.1	6.16	35	48.66	23.122	8.44	3.3	45.5	11.3
7/14/2005	1:00:28	25.98	54.633	36.14	88.0	5.83	35	48.67	23.127	8.43	0.0	3.1	11.3
7/14/2005	1:30:28	25.96	54.711	36.20	84.6	5.60	35	48.70	23.141	8.43	-1.3	2.0	11.3
7/14/2005	2:00:28	25.97	54.786	36.26	83.2	5.50	35	48.72	23.154	8.43	-1.4	1.9	11.3
7/14/2005	2:30:28	25.94	54.794	36.26	82.0	5.42	33	48.72	23.154	8.43	-1.4	1.8	11.3
7/14/2005	3:00:28	25.91	54.809	36.28	81.5	5.40	33	48.74	23.170	8.43	-1.5	1.8	11.3
7/14/2005	3:30:28	25.91	54.821	36.28	80.8	5.35	33	48.75	23.175	8.43	-1.5	1.8	11.3
7/14/2005	4:00:28	25.91	54.842	36.30	79.6	5.27	33	48.77	23.191	8.43	-1.5	2.0	11.3
7/14/2005	4:30:28	25.93	54.876	36.33	78.6	5.20	33	48.77	23.193	8.42	-1.6	2.0	11.3
7/14/2005	5:00:28	25.92	54.836	36.30	76.9	5.09	33	48.78	23.194	8.42	-11.2	2.0	11.3
7/14/2005	5:30:28	25.94	54.865	36.32	75.7	5.01	33	48.78	23.196	8.41	-2.4	2.6	11.3
7/14/2005	6:00:28	25.94	54.863	36.32	74.8	4.95	33	48.77	23.189	8.41	-1.6	2.1	11.3
7/14/2005	6:30:28	25.95	54.853	36.31	71.5	4.73	33	48.78	23.194	8.40	-1.6	2.8	11.3
7/14/2005	7:00:28	25.94	54.822	36.29	70.4	4.66	33	48.79	23.207	8.39	-1.7	2.0	11.3
7/14/2005	7:30:28	25.94	54.815	36.28	70.1	4.64	33	48.79	23.208	8.39	-1.6	2.3	11.3
7/14/2005	8:00:28	25.94	54.791	36.26	68.2	4.52	33	48.80	23.214	8.38	-1.6	2.1	11.3
7/14/2005	8:30:28	25.95	54.758	36.24	63.3	4.19	33	48.81	23.222	8.37	-1.6	2.5	11.3
7/14/2005	9:00:28	25.95	54.751	36.23	60.1	3.98	32	48.82	23.224	8.36	-1.7	2.5	11.3
7/14/2005	9:30:28	25.95	54.702	36.19	60.2	3.98	33	48.80	23.217	8.35	-1.7	2.5	11.3
7/14/2005	10:00:28	25.96	54.692	36.19	60.8	4.03	32	48.83	23.233	8.36	-1.8	2.3	11.3
7/14/2005	10:30:28	25.98	54.663	36.17	59.7	3.95	32	48.84	23.239	8.35	-1.6	2.4	11.3
7/14/2005	11:00:28	25.98	54.652	36.16	57.1	3.78	32	48.86	23.255	8.34	-1.7	3.4	11.3
7/14/2005	11:30:27	26.00	54.628	36.14	55.6	3.68	32	48.87	23.260	8.34	-15.5	2.8	11.3
7/14/2005	12:00:28	26.01	54.620	36.13	60.1	3.97	33	48.87	23.265	8.32	-31.6	2.9	11.3
7/14/2005	12:30:28	26.04	54.601	36.12	65.6	4.34	32	48.88	23.273	8.36	-44.6	2.8	11.3
7/14/2005	13:00:28	26.07	54.572	36.10	77.3	5.11	33	48.88	23.271	8.39	-55.0	3.6	11.3
7/14/2005	13:30:28	26.09	54.557	36.08	92.1	6.09	35	48.89	23.277	8.42	-62.6	2.3	11.3
7/14/2005	14:00:28	26.10	54.548	36.08	108.6	7.18	36	48.87	23.262	8.45	-73.3	2.8	11.3
7/14/2005	14:30:28	26.12	54.556	36.08	106.8	7.05	36	48.86	23.256	8.47	-72.2	3.2	11.3
7/14/2005	15:00:28	26.12	54.501	36.04	103.1	6.81	36	48.83	23.237	8.46	-65.6	3.2	11.3
7/14/2005	15:30:28	26.15	54.530	36.06	105.0	6.93	36	48.82	23.230	8.47	-30.7	3.1	11.3
7/14/2005	16:00:28	26.18	54.531	36.06	112.7	7.44	36	48.76	23.189	8.49	-38.9	3.8	11.3
7/14/2005	16:30:28	26.22	54.510	36.04	108.9	7.18	37	48.74	23.179	8.49	-25.9	4.0	11.3
7/14/2005	17:00:28	26.23	54.664	36.16	118.8	7.83	37	48.69	23.143	8.52	-23.3	2.9	11.3
7/14/2005	17:30:28	26.27	54.644	36.14	123.4	8.13	38	48.66	23.121	8.53	-26.1	3.3	11.3
7/14/2005	18:00:28	26.31	54.657	36.15	129.7	8.53	38	48.61	23.089	8.57	-17.0	3.5	11.3
7/14/2005	18:30:28	26.35	54.621	36.12	132.6	8.72	39	48.59	23.071	8.59	-28.3	4.2	11.3
7/14/2005	19:00:28	26.37	54.636	36.13	128.7	8.47	38	48.58	23.067	8.56	-31.3	7.6	11.3
7/14/2005	19:30:28	26.42	54.618	36.12	138.7	9.11	38	48.56	23.051	8.54	-23.3	5.0	11.3
7/14/2005	20:00:28	26.44	54.616	36.12	150.0	9.86	40	48.55	23.048	8.54	-22.7	3.9	11.3
7/14/2005	20:30:28	26.47	54.611	36.11	147.6	9.69	40	48.54	23.037	8.54	-32.7	8.6	11.3
7/14/2005	21:00:28	26.50	54.597	36.10	143.0	9.38	40	48.51	23.018	8.54	-33.4	8.8	11.3
7/14/2005	21:30:28	26.52	54.572	36.08	125.0	8.20	38	48.54	23.041	8.50	-45.9	5.2	11.3
7/14/2005	22:00:28	26.54	54.567	36.08	128.1	8.40	37	48.52	23.029	8.52	-42.3	4.1	11.3
7/14/2005	22:30:28	26.57	54.548	36.06	121.4	7.96	38	48.56	23.052	8.53	-43.2	4.2	11.3
7/14/2005	23:00:27	26.58	54.536	36.05	116.8	7.66	37	48.54	23.044	8.50	-41.1	3.9	11.3
7/14/2005	23:30:28	26.59	54.525	36.05	110.7	7.26	36	48.56	23.053	8.47	-46.5	4.4	11.3
7/15/2005	0:00:28	26.62	54.491	36.02	105.1	6.89	36	48.58	23.070	8.45	-45.4	10.6	11.3
7/15/2005	0:30:28	26.62	54.493	36.02	99.7	6.53	36	48.62	23.097	8.44	-42.7	4.4	11.3
7/15/2005	1:00:28	26.63	54.478	36.01	91.7	6.01	35	48.65	23.116	8.41	-35.1	5.0	11.3
7/15/2005	1:30:28	26.66	54.352	35.91	87.5	5.73	33	48.67	23.136	8.44	-24.5	5.4	11.3
7/15/2005	2:00:28	26.63	54.349	35.91	85.7	5.62	35	48.71	23.163	8.44	-14.0	5.6	11.3
7/15/2005	2:30:28	26.61	54.348	35.91	85.1	5.58	35	48.77	23.205	8.43	-7.8	4.7	11.3
7/15/2005	3:00:28	26.60	54.366	35.93	83.0	5.44	35	48.79	23.213	8.43	-5.3	4.7	11.3
7/15/2005	3:30:28	26.57	54.368	35.93	82.4	5.41	35	48.80	23.225	8.43	-4.2	4.5	11.3
7/15/2005	4:00:28	26.47	54.374	35.94	82.7	5.43	35	48.84	23.246	8.44	-3.6	5.1	11.3
7/15/2005	4:30:28	26.38	54.428	35.98	88.0	5.79	35	48.86	23.262	8.45	-3.3	5.3	11.3
7/15/2005	5:00:28	26.34	54.402	35.96	83.8	5.52	35	48.88	23.274	8.44	-3.1	4.5	11.3
7/15/2005	5:30:28	26.31	54.441	35.99	82.2	5.42	33	48.87	23.271	8.43	-3.2	4.8	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/15/2005	6:00:28	26.29	54.463	36.01	80.3	5.29	33	48.88	23.273	8.43	-3.0	5.4	11.3
7/15/2005	6:30:28	26.29	54.473	36.02	77.5	5.11	33	48.89	23.281	8.42	-2.9	4.7	11.3
7/15/2005	7:00:28	26.31	54.464	36.01	75.1	4.95	33	48.91	23.292	8.41	-3.0	4.8	11.3
7/15/2005	7:30:28	26.37	54.489	36.03	72.8	4.79	33	48.90	23.285	8.40	-3.0	5.0	11.3
7/15/2005	8:00:28	26.36	54.478	36.02	69.7	4.59	33	48.88	23.274	8.39	-3.0	5.5	11.3
7/15/2005	8:30:28	26.38	54.488	36.02	68.6	4.51	33	48.89	23.280	8.38	-3.0	4.7	11.3
7/15/2005	9:00:28	26.40	54.488	36.02	64.7	4.26	33	48.88	23.277	8.38	-3.0	5.1	11.3
7/15/2005	9:30:28	26.46	54.504	36.03	67.5	4.44	32	48.90	23.289	8.38	-2.9	6.7	11.3
7/15/2005	10:00:28	26.46	54.361	35.93	66.1	4.34	32	48.92	23.305	8.37	-2.8	5.9	11.3
7/15/2005	10:30:28	26.48	53.502	35.29	63.7	4.20	32	48.91	23.309	8.37	-2.7	5.3	11.3
7/15/2005	11:00:28	26.48	54.506	36.03	63.2	4.15	32	48.91	23.297	8.36	-2.7	5.7	11.3
7/15/2005	11:30:27	26.50	54.529	36.05	62.2	4.09	32	48.92	23.303	8.36	-2.3	5.0	11.3
7/15/2005	12:00:28	26.53	54.521	36.04	63.7	4.18	32	48.93	23.310	8.36	0.1	5.7	11.3
7/15/2005	12:30:28	26.53	54.523	36.05	73.8	4.84	33	48.90	23.290	8.39	6.9	7.6	11.3
7/15/2005	13:00:28	26.58	54.536	36.05	86.9	5.70	33	48.90	23.288	8.43	13.2	14.1	11.3
7/15/2005	13:30:28	26.59	54.558	36.07	96.2	6.30	35	48.88	23.277	8.43	17.0	6.6	11.3
7/15/2005	14:00:28	26.61	54.558	36.07	96.7	6.34	35	48.89	23.280	8.44	19.8	15.9	11.3
7/15/2005	14:30:28	26.65	54.566	36.07	100.6	6.59	36	48.85	23.252	8.44	22.6	5.2	11.3
7/15/2005	15:00:28	26.68	54.563	36.07	107.9	7.06	36	48.85	23.258	8.46	31.6	5.2	11.3
7/15/2005	15:30:28	26.72	54.566	36.07	114.3	7.48	37	48.80	23.224	8.49	44.7	5.7	11.3
7/15/2005	16:00:28	26.79	54.567	36.07	124.5	8.13	37	48.76	23.193	8.51	58.1	9.8	11.3
7/15/2005	16:30:28	26.84	54.584	36.08	125.5	8.19	38	48.74	23.183	8.49	62.2	6.3	11.3
7/15/2005	17:00:28	26.93	54.668	36.14	122.2	7.96	38	48.69	23.145	8.50	57.0	8.1	11.3
7/15/2005	17:30:28	26.96	54.671	36.14	117.5	7.65	37	48.63	23.102	8.48	31.8	13.1	11.3
7/15/2005	18:00:28	26.98	53.737	35.45	127.0	8.30	38	48.59	23.090	8.53	51.8	8.3	11.3
7/15/2005	18:30:28	27.00	53.483	35.26	140.1	9.16	39	48.54	23.060	8.60	62.3	13.5	11.3
7/15/2005	19:00:28	27.03	53.387	35.19	139.2	9.10	39	48.51	23.036	8.56	55.7	10.0	11.3
7/15/2005	19:30:28	27.05	53.776	35.48	130.3	8.50	39	48.46	23.002	8.49	33.9	1229.7	11.3
7/15/2005	20:00:28	27.04	54.673	36.14	85.5	5.56	33	48.44	22.972	8.38	1.7	58.8	11.3
7/15/2005	20:30:28	27.07	53.413	35.21	98.8	6.46	36	48.41	22.967	8.43	18.2	14.7	11.3
7/15/2005	21:00:28	27.07	54.704	36.17	97.1	6.31	36	48.37	22.925	8.42	12.3	7.2	11.3
7/15/2005	21:30:28	27.08	54.355	35.91	89.4	5.82	35	48.36	22.921	8.39	5.8	14.7	11.3
7/15/2005	22:00:28	27.09	54.701	36.16	83.0	5.39	33	48.36	22.921	8.38	3.9	52.8	11.3
7/15/2005	22:30:28	27.12	53.927	35.59	83.8	5.46	33	48.39	22.952	8.39	7.0	4.9	11.3
7/15/2005	23:00:27	27.13	53.967	35.62	86.2	5.61	33	48.40	22.954	8.39	7.8	3.9	11.3
7/15/2005	23:30:28	27.15	54.709	36.17	84.5	5.48	33	48.43	22.971	8.38	6.7	5.5	11.3
7/16/2005	0:00:28	27.17	54.709	36.17	79.4	5.15	33	48.47	22.996	8.37	3.4	6.2	11.3
7/16/2005	0:30:28	27.18	54.714	36.17	75.0	4.87	33	48.52	23.030	8.35	0.2	7.0	11.3
7/16/2005	1:00:28	27.22	54.739	36.19	70.2	4.55	33	48.56	23.055	8.33	-2.1	8.1	11.3
7/16/2005	1:30:28	27.27	54.714	36.17	66.8	4.33	33	48.59	23.082	8.33	-2.8	8.5	11.3
7/16/2005	2:00:28	27.32	54.722	36.17	63.9	4.13	33	48.67	23.133	8.32	-2.9	9.3	11.3
7/16/2005	2:30:28	27.33	54.723	36.17	64.0	4.14	32	48.73	23.173	8.32	-2.9	4.5	11.3
7/16/2005	3:00:28	27.35	54.736	36.18	67.2	4.35	33	48.80	23.221	8.31	-2.4	14.5	11.3
7/16/2005	3:30:28	27.35	54.734	36.18	64.6	4.18	32	48.80	23.223	8.30	-2.9	7.3	11.3
7/16/2005	4:00:28	28.60	55.304	36.57	82.3	5.20	33	48.86	23.266	8.44	-2.4	15.9	11.3
7/16/2005	4:30:28	28.67	55.447	36.67	90.1	5.69	35	48.91	23.299	8.44	5.2	15.1	11.3
7/16/2005	5:00:28	28.49	55.353	36.61	87.4	5.54	35	48.93	23.315	8.42	4.4	6.4	11.3
7/16/2005	5:30:28	28.39	55.401	36.65	89.6	5.69	35	48.95	23.327	8.43	0.8	10.9	11.3
7/16/2005	6:00:28	28.37	55.433	36.67	87.9	5.58	35	48.98	23.343	8.41	-0.4	13.4	11.3
7/16/2005	6:30:28	28.28	55.405	36.65	84.2	5.35	33	48.98	23.347	8.40	-0.9	14.2	11.3
7/16/2005	7:00:28	28.42	55.489	36.71	86.1	5.45	33	49.02	23.372	8.41	-0.6	12.2	11.3
7/16/2005	7:30:28	28.40	53.975	35.58	81.5	5.20	35	49.02	23.391	8.39	-0.2	14.2	11.3
7/16/2005	8:00:28	28.47	55.528	36.74	79.8	5.05	33	49.02	23.371	8.39	-0.2	13.6	11.3
7/16/2005	8:30:28	28.42	55.497	36.72	77.3	4.90	33	49.02	23.374	8.38	-0.3	8.1	11.3
7/16/2005	9:00:28	28.47	55.459	36.69	74.3	4.70	33	49.01	23.369	8.37	-0.2	15.4	11.3
7/16/2005	9:30:28	28.43	55.506	36.72	68.6	4.35	33	49.01	23.367	8.35	-0.2	12.3	11.3
7/16/2005	10:00:28	28.56	55.527	36.73	69.1	4.37	33	49.01	23.371	8.36	0.1	11.7	11.3
7/16/2005	10:30:28	28.31	55.273	36.55	79.1	5.03	33	49.01	23.365	8.38	0.0	8.8	11.3
7/16/2005	11:00:28	28.17	55.127	36.45	90.2	5.75	35	49.00	23.363	8.41	0.0	2.9	11.3
7/16/2005	11:30:27	28.02	55.166	36.48	94.5	6.03	35	49.00	23.359	8.43	0.1	3.4	11.3
7/16/2005	12:00:28	28.02	55.191	36.50	93.7	5.98	35	49.00	23.360	8.43	3.7	3.3	11.3
7/16/2005	12:30:28	28.01	55.185	36.50	96.6	6.17	35	48.97	23.343	8.45	10.4	2.8	11.3
7/16/2005	13:00:28	27.99	55.150	36.47	96.8	6.19	36	48.98	23.349	8.45	12.2	6.7	11.3
7/16/2005	13:30:28	27.90	54.376	35.90	104.7	6.72	36	48.95	23.337	8.51	22.8	3.7	11.3
7/16/2005	14:00:28	27.94	55.067	36.41	111.0	7.10	37	48.92	23.304	8.55	30.2	4.9	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/16/2005	14:30:28	27.91	55.036	36.39	107.4	6.88	36	48.91	23.298	8.51	33.9	2.9	11.3
7/16/2005	15:00:28	27.91	55.034	36.39	111.9	7.17	37	48.86	23.262	8.56	40.1	3.2	11.3
7/16/2005	15:30:28	27.90	55.012	36.37	112.7	7.22	36	48.81	23.234	8.54	49.6	3.4	11.3
7/16/2005	16:00:28	27.91	54.988	36.35	113.8	7.29	37	48.79	23.216	8.54	56.0	3.6	11.3
7/16/2005	16:30:28	27.91	54.978	36.35	106.8	6.84	36	48.75	23.187	8.47	18.8	13.0	11.3
7/16/2005	17:00:28	27.90	54.973	36.34	100.5	6.44	36	48.68	23.145	8.44	12.2	4.0	11.3
7/16/2005	17:30:28	27.92	54.969	36.34	115.8	7.42	37	48.63	23.106	8.54	69.7	6.5	11.3
7/16/2005	18:00:28	28.01	55.045	36.39	120.5	7.70	38	48.58	23.074	8.57	63.7	4.5	11.3
7/16/2005	18:30:28	28.03	55.134	36.46	115.1	7.35	37	48.53	23.037	8.57	58.0	5.1	11.3
7/16/2005	19:00:28	27.99	55.231	36.53	118.4	7.56	37	48.49	23.011	8.55	67.2	5.7	11.3
7/16/2005	19:30:28	27.73	55.112	36.45	123.8	7.95	38	48.44	22.975	8.53	58.8	5.7	11.3
7/16/2005	20:00:28	27.75	55.115	36.45	130.0	8.34	39	48.38	22.936	8.53	58.0	7.2	11.3
7/16/2005	20:30:28	27.78	55.110	36.45	132.6	8.51	39	48.34	22.907	8.54	52.9	19.1	11.3
7/16/2005	21:00:28	27.80	55.114	36.45	127.6	8.18	38	48.33	22.896	8.53	50.6	23.2	11.3
7/16/2005	21:30:28	27.84	55.129	36.46	128.1	8.21	38	48.30	22.878	8.54	44.3	8.6	11.3
7/16/2005	22:00:28	27.85	55.096	36.43	121.6	7.79	38	48.29	22.875	8.52	37.0	12.0	11.3
7/16/2005	22:30:28	27.87	55.093	36.43	112.5	7.21	37	48.28	22.866	8.47	11.0	6.6	11.3
7/16/2005	23:00:27	27.93	55.062	36.41	104.1	6.66	36	48.28	22.864	8.44	14.1	11.3	11.3
7/16/2005	23:30:28	27.94	55.043	36.39	95.8	6.13	35	48.30	22.879	8.42	6.6	1237.6	11.3
7/17/2005	0:00:28	28.01	54.983	36.35	91.2	5.83	35	48.35	22.912	8.41	6.1	17.1	11.3
7/17/2005	0:30:28	28.06	54.717	36.15	89.6	5.73	35	48.38	22.940	8.41	5.8	12.3	11.3
7/17/2005	1:00:28	28.03	54.437	35.94	95.9	6.14	35	48.44	22.988	8.43	5.8	6.3	11.3
7/17/2005	1:30:28	27.98	54.484	35.97	94.7	6.07	35	48.49	23.018	8.43	5.1	21.9	11.3
7/17/2005	2:00:28	28.11	54.575	36.04	94.0	6.01	35	48.57	23.071	8.43	4.2	2.3	11.3
7/17/2005	2:30:28	28.41	54.911	36.28	94.1	5.98	35	48.61	23.099	8.44	4.1	2.5	11.3
7/17/2005	3:00:28	28.50	55.062	36.39	92.9	5.89	35	48.66	23.133	8.43	4.7	2.5	11.3
7/17/2005	3:30:28	28.62	55.254	36.53	94.0	5.94	35	48.74	23.184	8.44	4.8	2.9	11.3
7/17/2005	4:00:28	28.71	55.406	36.64	93.3	5.89	35	48.79	23.215	8.43	4.9	2.6	11.3
7/17/2005	4:30:28	28.74	55.435	36.66	92.7	5.85	35	48.85	23.258	8.42	4.7	3.1	11.3
7/17/2005	5:00:28	28.74	54.485	35.95	92.2	5.84	35	48.92	23.320	8.42	2.3	3.4	11.3
7/17/2005	5:30:28	28.74	55.368	36.61	90.9	5.73	35	48.96	23.336	8.42	-2.5	4.3	11.3
7/17/2005	6:00:28	28.73	54.747	36.15	87.7	5.55	35	48.97	23.353	8.41	-0.8	3.5	11.3
7/17/2005	6:30:28	28.73	55.396	36.63	85.0	5.36	33	49.02	23.375	8.40	0.6	3.9	11.3
7/17/2005	7:00:28	28.71	55.404	36.64	82.5	5.20	33	49.06	23.402	8.39	1.3	4.2	11.3
7/17/2005	7:30:28	28.69	55.403	36.64	77.2	4.87	33	49.08	23.416	8.38	1.0	4.8	11.3
7/17/2005	8:00:28	28.68	55.232	36.51	81.8	5.17	33	49.05	23.398	8.39	1.5	5.3	11.3
7/17/2005	8:30:28	28.55	55.050	36.38	94.0	5.96	35	49.07	23.416	8.42	1.2	4.4	11.3
7/17/2005	9:00:28	28.50	55.070	36.39	93.6	5.93	35	49.08	23.417	8.42	0.0	2.5	11.3
7/17/2005	9:30:28	28.52	55.077	36.40	92.2	5.85	35	49.06	23.406	8.42	-6.9	2.3	11.3
7/17/2005	10:00:28	28.57	55.061	36.39	91.3	5.78	35	49.05	23.404	8.42	-6.7	2.5	11.3
7/17/2005	10:30:28	28.58	55.029	36.36	89.7	5.68	35	49.07	23.416	8.41	-6.5	2.5	11.3
7/17/2005	11:00:28	28.58	54.973	36.32	89.4	5.67	35	49.06	23.412	8.41	-6.0	2.8	11.3
7/17/2005	11:30:27	28.58	55.076	36.40	87.3	5.53	33	49.05	23.398	8.40	-5.0	3.1	11.3
7/17/2005	12:00:28	28.55	55.051	36.38	79.5	5.04	33	49.04	23.394	8.38	-1.0	3.4	11.3
7/17/2005	12:30:28	28.54	55.026	36.36	77.7	4.92	33	49.02	23.380	8.38	4.0	2.9	11.3
7/17/2005	13:00:28	28.54	55.016	36.35	79.7	5.05	33	49.00	23.369	8.39	8.1	3.2	11.3
7/17/2005	13:30:28	28.54	54.994	36.34	83.5	5.29	33	49.00	23.365	8.42	13.9	3.3	11.3
7/17/2005	14:00:28	28.36	54.970	36.32	101.3	6.44	36	48.94	23.325	8.48	20.3	3.1	11.3
7/17/2005	14:30:28	28.26	55.075	36.41	105.3	6.70	36	48.93	23.315	8.50	25.2	3.6	11.3
7/17/2005	15:00:28	27.98	55.262	36.55	106.4	6.80	36	48.89	23.281	8.49	28.4	5.6	11.3
7/17/2005	15:30:28	27.94	55.339	36.61	109.5	7.00	36	48.85	23.254	8.50	33.8	4.2	11.3
7/17/2005	16:00:28	27.96	55.376	36.64	113.3	7.24	37	48.81	23.228	8.51	40.1	4.7	11.3
7/17/2005	16:30:28	27.98	55.387	36.65	114.3	7.30	37	48.76	23.190	8.52	43.9	6.0	11.3
7/17/2005	17:00:28	28.02	55.384	36.64	120.4	7.69	37	48.72	23.163	8.53	47.6	4.3	11.3
7/17/2005	17:30:28	28.05	55.381	36.64	119.8	7.64	37	48.65	23.114	8.54	34.4	4.2	11.3
7/17/2005	18:00:28	28.08	55.375	36.64	121.5	7.75	38	48.59	23.074	8.56	55.5	6.2	11.3
7/17/2005	18:30:28	28.10	55.369	36.63	122.3	7.79	38	48.52	23.027	8.58	51.9	5.4	11.3
7/17/2005	19:00:28	28.13	55.360	36.62	125.3	7.98	38	48.46	22.984	8.55	52.5	4.3	11.3
7/17/2005	19:30:28	28.13	55.381	36.64	120.5	7.68	37	48.40	22.947	8.51	52.4	4.8	11.3
7/17/2005	20:00:28	28.20	55.403	36.65	125.8	8.00	38	48.37	22.924	8.52	48.7	5.6	11.3
7/17/2005	20:30:28	28.19	55.424	36.67	121.8	7.75	38	48.29	22.868	8.51	43.6	5.8	11.3
7/17/2005	21:00:28	28.20	55.426	36.67	122.5	7.79	38	48.24	22.835	8.51	38.5	5.6	11.3
7/17/2005	21:30:28	28.22	55.424	36.67	121.1	7.70	37	48.22	22.822	8.51	36.3	5.8	11.3
7/17/2005	22:00:28	28.24	55.386	36.64	120.5	7.66	37	48.21	22.815	8.51	29.1	7.8	11.3
7/17/2005	22:30:28	28.31	55.120	36.44	110.9	7.05	37	48.17	22.793	8.48	22.2	7.0	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/17/2005	23:00:27	28.23	55.007	36.36	108.2	6.89	36	48.21	22.819	8.48	19.4	6.6	11.3
7/17/2005	23:30:28	28.24	54.850	36.24	103.0	6.56	36	48.18	22.803	8.45	6.5	7.2	11.3
7/18/2005	0:00:28	28.22	54.961	36.32	97.2	6.19	35	48.21	22.817	8.43	6.7	5.9	11.3
7/18/2005	0:30:28	28.27	54.820	36.22	91.9	5.85	33	48.23	22.834	8.42	1.6	5.5	11.3
7/18/2005	1:00:28	28.48	54.546	36.00	96.2	6.11	35	48.30	22.894	8.45	-0.9	6.1	11.3
7/18/2005	1:30:28	28.42	54.586	36.04	94.7	6.03	35	48.38	22.945	8.44	-1.4	5.1	11.3
7/18/2005	2:00:28	28.40	54.662	36.09	96.1	6.11	35	48.42	22.967	8.44	-1.6	5.4	11.3
7/18/2005	2:30:28	28.46	54.773	36.17	95.6	6.07	35	48.53	23.043	8.44	-1.3	6.0	11.3
7/18/2005	3:00:28	28.36	55.251	36.53	97.2	6.17	35	48.61	23.094	8.45	-1.6	8.7	11.3
7/18/2005	3:30:28	28.27	55.261	36.55	95.3	6.06	35	48.68	23.140	8.44	-1.5	7.2	11.3
7/18/2005	4:00:28	28.22	55.201	36.50	93.7	5.97	35	48.73	23.174	8.44	-1.5	8.9	11.3
7/18/2005	4:30:28	27.95	55.224	36.53	94.8	6.06	35	48.83	23.242	8.44	-1.5	12.0	11.3
7/18/2005	5:00:28	27.93	55.115	36.45	94.9	6.07	33	48.88	23.275	8.45	-1.5	8.7	11.3
7/18/2005	5:30:28	28.00	55.116	36.45	95.5	6.10	35	48.96	23.337	8.45	-1.6	13.2	11.3
7/18/2005	6:00:28	28.06	55.092	36.43	94.2	6.02	35	48.99	23.358	8.45	-1.5	9.2	11.3
7/18/2005	6:30:28	28.13	55.023	36.37	94.7	6.04	35	49.03	23.385	8.45	-1.5	7.5	11.3
7/18/2005	7:00:28	28.11	54.914	36.29	95.2	6.08	35	49.09	23.429	8.45	-1.5	7.8	11.3
7/18/2005	7:30:28	28.06	54.907	36.29	91.3	5.84	33	49.11	23.442	8.43	-1.5	7.3	11.3
7/18/2005	8:00:28	28.07	54.888	36.27	92.5	5.91	35	49.15	23.470	8.44	-1.6	8.9	11.3
7/18/2005	8:30:28	28.12	54.877	36.26	91.4	5.83	35	49.18	23.490	8.44	-1.5	7.7	11.3
7/18/2005	9:00:28	28.13	54.883	36.27	90.8	5.80	35	49.19	23.497	8.44	-1.3	8.4	11.3
7/18/2005	9:30:28	28.13	54.891	36.27	86.8	5.54	35	49.17	23.482	8.42	-1.3	10.8	11.3
7/18/2005	10:00:28	28.12	54.888	36.27	83.6	5.34	33	49.21	23.509	8.41	0.6	9.8	11.3
7/18/2005	10:30:28	28.13	54.761	36.18	82.5	5.27	33	49.16	23.479	8.40	0.7	8.7	11.3
7/18/2005	11:00:28	28.11	54.887	36.27	75.8	4.84	33	49.14	23.461	8.38	0.5	9.3	11.3
7/18/2005	11:30:27	28.12	54.865	36.25	72.0	4.60	33	49.14	23.462	8.37	-0.5	8.1	11.3
7/18/2005	12:00:28	28.13	54.857	36.25	71.3	4.55	33	49.13	23.452	8.37	2.0	9.9	11.3
7/18/2005	12:30:28	28.13	54.853	36.24	70.9	4.53	32	49.16	23.476	8.37	5.0	11.5	11.3
7/18/2005	13:00:28	28.12	54.855	36.25	72.8	4.65	33	49.13	23.457	8.38	8.5	11.0	11.3
7/18/2005	13:30:28	28.12	54.873	36.26	78.4	5.00	33	49.03	23.389	8.40	13.4	11.1	11.3
7/18/2005	14:00:28	28.14	54.858	36.25	81.7	5.21	33	49.08	23.418	8.41	19.6	10.9	11.3
7/18/2005	14:30:28	28.14	54.854	36.25	84.7	5.40	33	49.05	23.402	8.43	22.5	13.0	11.3
7/18/2005	15:00:28	28.16	54.815	36.22	84.5	5.39	33	49.00	23.369	8.43	27.9	11.7	11.3
7/18/2005	15:30:28	28.18	54.337	35.86	88.0	5.62	33	48.98	23.362	8.43	32.4	17.7	11.3
7/18/2005	16:00:28	28.19	54.793	36.20	91.0	5.80	35	48.93	23.322	8.43	36.2	12.2	11.3
7/18/2005	16:30:28	28.18	54.772	36.18	94.7	6.04	33	48.86	23.271	8.44	39.2	14.7	11.3
7/18/2005	17:00:28	28.20	54.739	36.16	101.0	6.44	35	48.83	23.253	8.47	43.0	10.8	11.3
7/18/2005	17:30:28	28.18	54.697	36.13	110.3	7.04	37	48.75	23.199	8.50	45.0	13.7	11.3
7/18/2005	18:00:28	28.00	54.917	36.30	116.8	7.47	37	48.68	23.143	8.54	46.1	13.8	11.3
7/18/2005	18:30:28	27.91	55.101	36.44	118.3	7.57	37	48.62	23.102	8.54	48.7	7.6	11.3
7/18/2005	19:00:28	27.95	54.566	36.04	125.3	8.03	37	48.52	23.037	8.56	48.2	15.2	11.3
7/18/2005	19:30:28	27.98	55.089	36.43	120.6	7.71	37	48.45	22.985	8.51	51.3	7.8	11.3
7/18/2005	20:00:28	28.03	55.072	36.41	127.8	8.17	38	48.37	22.931	8.52	44.7	8.6	11.3
7/18/2005	20:30:28	28.06	55.024	36.37	127.4	8.13	37	48.34	22.908	8.52	43.8	10.6	11.3
7/18/2005	21:00:28	28.04	55.004	36.36	118.3	7.56	37	48.26	22.852	8.50	36.6	10.1	11.3
7/18/2005	21:30:28	28.06	55.001	36.36	109.2	6.97	36	48.21	22.819	8.47	14.3	12.9	11.3
7/18/2005	22:00:28	28.05	54.990	36.35	109.2	6.98	36	48.21	22.818	8.47	16.2	10.9	11.3
7/18/2005	22:30:28	28.04	55.047	36.39	106.7	6.82	36	48.04	22.705	8.47	15.5	12.0	11.3
7/18/2005	23:00:27	28.06	55.105	36.44	102.8	6.56	35	48.04	22.704	8.46	8.2	10.5	11.3
7/18/2005	23:30:28	27.96	55.187	36.50	100.4	6.42	35	48.07	22.721	8.45	6.2	10.4	11.3
7/19/2005	0:00:28	27.97	55.288	36.57	99.7	6.37	35	48.03	22.691	8.46	3.4	11.5	11.3
7/19/2005	0:30:28	27.99	55.428	36.68	98.5	6.29	35	48.08	22.727	8.46	0.8	21.3	11.3
7/19/2005	1:00:28	28.09	55.533	36.75	97.7	6.23	35	48.20	22.803	8.46	-1.3	6.2	11.3
7/19/2005	1:30:28	28.04	55.546	36.77	97.6	6.22	35	48.10	22.738	8.46	-2.2	4.9	11.3
7/19/2005	2:00:28	28.11	55.546	36.76	97.5	6.21	35	48.28	22.859	8.46	-2.3	6.4	11.3
7/19/2005	2:30:28	28.28	55.598	36.80	96.7	6.14	35	48.30	22.873	8.46	-2.1	2.7	11.3
7/19/2005	3:00:28	28.51	55.608	36.80	96.7	6.12	35	48.39	22.938	8.46	-2.0	3.6	11.3
7/19/2005	3:30:28	28.53	55.612	36.80	97.0	6.14	35	48.48	23.001	8.45	-2.2	2.9	11.3
7/19/2005	4:00:28	28.51	55.573	36.77	96.7	6.12	35	48.55	23.047	8.46	-2.3	3.7	11.3
7/19/2005	4:30:28	28.55	55.518	36.73	96.0	6.07	35	48.67	23.134	8.45	-2.3	2.8	11.3
7/19/2005	5:00:28	28.57	55.513	36.72	95.6	6.04	35	48.77	23.200	8.45	-2.3	3.5	11.3
7/19/2005	5:30:28	28.61	55.512	36.72	95.2	6.01	35	48.83	23.245	8.45	-2.0	3.4	11.3
7/19/2005	6:00:28	28.60	55.511	36.72	92.6	5.85	33	48.90	23.293	8.44	-2.1	3.5	11.3
7/19/2005	6:30:28	28.73	55.379	36.62	94.2	5.94	35	49.05	23.396	8.45	-2.3	3.2	11.3
7/19/2005	7:00:28	28.69	55.327	36.58	95.0	6.00	35	48.98	23.351	8.45	-2.3	3.3	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/19/2005	7:30:28	28.64	55.253	36.53	93.5	5.91	33	49.07	23.414	8.43	-2.3	3.3	11.3
7/19/2005	8:00:28	28.60	55.141	36.44	89.8	5.68	33	49.08	23.421	8.43	-2.5	6.2	11.3
7/19/2005	8:30:28	28.58	55.036	36.37	91.3	5.78	35	49.02	23.379	8.43	-2.3	3.9	11.3
7/19/2005	9:00:28	28.57	54.996	36.34	88.8	5.63	33	49.17	23.486	8.42	-2.2	4.3	11.3
7/19/2005	9:30:28	28.55	54.869	36.24	87.2	5.53	33	49.25	23.543	8.42	-2.3	3.1	11.3
7/19/2005	10:00:28	28.48	54.753	36.16	89.9	5.71	33	49.08	23.425	8.43	-2.2	4.0	11.3
7/19/2005	10:30:28	28.54	54.727	36.14	90.5	5.75	35	49.03	23.394	8.43	-2.3	4.0	11.3
7/19/2005	11:00:28	28.59	54.731	36.14	89.9	5.70	33	48.87	23.283	8.43	-0.3	2.6	11.3
7/19/2005	11:30:27	28.69	54.719	36.13	89.1	5.64	33	49.25	23.546	8.43	-2.4	5.9	11.3
7/19/2005	12:00:28	29.00	54.799	36.18	96.3	6.07	35	49.21	23.515	8.45	-1.5	4.7	11.3
7/19/2005	12:30:28	28.96	54.806	36.18	96.0	6.05	35	48.97	23.355	8.45	0.8	6.0	11.3
7/19/2005	13:00:28	28.69	54.770	36.17	97.4	6.17	35	49.01	23.377	8.45	3.8	5.9	11.3
7/19/2005	13:30:28	28.51	54.708	36.12	98.0	6.22	35	49.04	23.396	8.45	5.6	4.9	11.3
7/19/2005	14:00:28	28.36	54.639	36.08	98.0	6.24	35	48.99	23.360	8.45	0.9	12.0	11.3
7/19/2005	14:30:28	28.32	54.608	36.06	98.5	6.27	35	48.49	23.020	8.45	6.1	6.2	11.3
7/19/2005	15:00:28	28.28	54.555	36.02	97.4	6.21	35	49.66	23.827	8.45	4.9	11.1	11.3
7/19/2005	15:30:28	28.27	54.464	35.95	98.1	6.26	35	48.82	23.249	8.45	5.1	11.8	11.3
7/19/2005	16:00:28	28.36	54.423	35.92	98.2	6.25	35	49.71	23.858	8.46	1.1	11.2	11.3
7/19/2005	16:30:28	28.43	54.438	35.93	98.2	6.25	35	48.19	22.816	8.46	2.5	13.6	11.3
7/19/2005	17:00:28	28.36	54.427	35.92	98.6	6.28	35	47.36	22.244	8.46	1.3	25.2	11.3
7/19/2005	17:30:28	28.35	54.475	35.96	98.0	6.24	35	49.96	24.033	8.46	0.7	20.4	11.3
7/19/2005	18:00:28	28.34	54.426	35.92	98.5	6.28	35	49.46	23.690	8.46	4.3	6.7	11.3
7/19/2005	18:30:28	28.36	54.469	35.95	99.0	6.31	35	47.89	22.610	8.46	3.7	10.1	11.3
7/19/2005	19:00:28	28.37	54.474	35.95	100.4	6.40	36	49.37	23.625	8.46	10.2	6.8	11.3
7/19/2005	19:30:28	28.33	54.461	35.95	100.0	6.37	35	47.46	22.312	8.46	4.2	6.5	11.3
7/19/2005	20:00:28	28.33	54.460	35.95	99.7	6.36	35	49.37	23.627	8.46	4.1	8.3	11.3
7/19/2005	20:30:28	28.34	54.470	35.95	99.0	6.31	35	49.51	23.721	8.45	7.6	5.7	11.3
7/19/2005	21:00:28	28.38	52.734	34.66	98.4	6.31	35	47.57	22.408	8.46	4.7	5.4	11.3
7/19/2005	21:30:28	28.44	52.742	34.67	97.0	6.22	35	49.13	23.485	8.45	1.1	7.0	11.3
7/19/2005	22:00:28	28.51	52.919	34.80	96.4	6.17	35	49.34	23.627	8.45	0.0	6.3	11.3
7/19/2005	22:30:28	28.28	53.075	34.92	97.2	6.24	35	46.45	21.635	8.45	-0.4	7.5	11.3
7/19/2005	23:00:27	28.13	53.336	35.12	98.5	6.33	35	47.95	22.661	8.46	-1.6	9.4	11.3
7/19/2005	23:30:28	28.12	53.237	35.04	97.3	6.26	35	49.27	23.574	8.45	-1.5	5.0	11.3
7/20/2005	0:00:28	28.14	53.308	35.10	97.4	6.26	35	47.43	22.302	8.46	-1.5	6.6	11.3
7/20/2005	0:30:28	28.21	53.237	35.04	96.3	6.18	35	48.74	23.208	8.46	-2.5	4.8	11.3
7/20/2005	1:00:28	28.29	53.221	35.03	96.4	6.18	35	49.07	23.435	8.46	-2.1	1240.6	11.3
7/20/2005	1:30:28	28.36	52.690	34.63	94.8	6.08	35	48.06	22.750	8.45	-2.3	6.7	11.3
7/20/2005	2:00:28	28.44	54.642	36.08	93.9	5.97	35	47.88	22.601	8.45	-2.4	7.5	11.3
7/20/2005	2:30:28	28.51	54.594	36.04	92.6	5.88	33	47.99	22.678	8.45	-2.6	3.4	11.3
7/20/2005	3:00:28	28.61	54.646	36.07	91.4	5.80	35	48.29	22.882	8.44	-2.7	3.1	11.3
7/20/2005	3:30:28	28.69	54.329	35.84	90.3	5.73	35	48.39	22.957	8.44	-2.7	3.9	11.3
7/20/2005	4:00:28	28.77	54.356	35.85	89.7	5.68	33	49.14	23.474	8.44	-2.8	6.7	11.3
7/20/2005	4:30:28	28.87	54.160	35.70	89.1	5.63	33	49.40	23.656	8.44	-2.8	4.5	11.3
7/20/2005	5:00:28	28.97	54.148	35.69	88.6	5.59	33	48.23	22.853	8.43	-2.9	3.7	11.3
7/20/2005	5:30:28	29.09	54.259	35.77	89.3	5.63	33	50.12	24.154	8.44	-2.8	3.7	11.3
7/20/2005	6:00:28	29.20	54.083	35.64	91.0	5.73	35	48.99	23.374	8.44	-3.0	4.7	11.3
7/20/2005	6:30:28	29.33	53.969	35.55	93.2	5.86	35	48.07	22.743	8.45	-3.6	5.2	11.3
7/20/2005	7:00:28	29.30	53.970	35.55	95.3	5.99	35	48.56	23.086	8.45	-2.9	3.6	11.3
7/20/2005	7:30:28	29.18	53.996	35.57	95.4	6.01	35	48.95	23.353	8.44	-2.7	8.3	11.3
7/20/2005	8:00:28	29.10	54.019	35.59	95.3	6.01	35	49.06	23.423	8.44	-2.9	4.5	11.3
7/20/2005	8:30:28	29.03	54.462	35.92	95.4	6.01	35	48.21	22.835	8.44	-3.1	4.4	11.3
7/20/2005	9:00:28	29.03	54.297	35.80	95.1	6.00	35	49.31	23.596	8.44	-3.0	4.2	11.3
7/20/2005	9:30:28	29.02	54.279	35.79	95.2	6.01	35	49.18	23.502	8.44	-2.8	9.7	11.3
7/20/2005	10:00:28	29.03	53.988	35.57	95.1	6.00	33	49.48	23.712	8.45	-2.8	3.4	11.3
7/20/2005	10:30:28	29.03	54.068	35.63	94.5	5.97	35	49.23	23.543	8.44	-2.7	5.4	11.3
7/20/2005	11:00:28	29.05	54.047	35.61	93.7	5.91	35	49.09	23.445	8.44	-2.6	5.7	11.3
7/20/2005	11:30:27	29.09	54.331	35.82	93.0	5.86	35	49.30	23.589	8.44	-2.4	12.6	11.3
7/20/2005	12:00:28	29.12	54.401	35.88	93.0	5.85	35	49.45	23.690	8.44	-0.7	1223.4	11.3
7/20/2005	12:30:28	29.13	54.159	35.70	93.5	5.89	35	50.08	24.126	8.45	0.8	5.6	11.3
7/20/2005	13:00:28	29.17	54.202	35.73	93.0	5.85	35	49.34	23.615	8.44	3.8	5.4	11.3
7/20/2005	13:30:28	29.18	54.040	35.61	95.0	5.99	35	49.49	23.719	8.44	9.4	3.9	11.3
7/20/2005	14:00:28	29.21	53.961	35.54	97.8	6.16	35	50.04	24.099	8.45	20.5	4.7	11.3
7/20/2005	14:30:28	29.24	54.037	35.60	100.7	6.34	35	49.13	23.473	8.45	24.3	2.5	11.3
7/20/2005	15:00:28	29.25	53.775	35.41	98.6	6.21	35	49.26	23.568	8.44	11.4	3.2	11.3
7/20/2005	15:30:28	29.28	53.691	35.34	101.2	6.38	35	49.14	23.486	8.46	35.3	5.6	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/20/2005	16:00:28	29.30	53.737	35.38	103.4	6.51	35	49.21	23.533	8.46	34.7	3.0	11.3
7/20/2005	16:30:28	29.33	53.729	35.37	101.3	6.37	35	48.94	23.349	8.45	14.4	5.6	11.3
7/20/2005	17:00:28	29.35	53.713	35.36	102.4	6.44	35	49.24	23.553	8.46	36.7	4.3	11.3
7/20/2005	17:30:28	29.29	53.621	35.29	104.9	6.61	35	49.06	23.434	8.46	45.1	3.1	11.3
7/20/2005	18:00:28	28.70	53.923	35.53	105.1	6.68	36	48.58	23.095	8.45	31.4	6.7	11.3
7/20/2005	18:30:28	28.33	54.391	35.89	109.5	6.98	36	49.03	23.392	8.47	31.7	5.1	11.3
7/20/2005	19:00:28	28.16	54.519	35.99	111.7	7.14	36	48.80	23.231	8.47	49.5	5.7	11.3
7/20/2005	19:30:28	28.19	54.474	35.96	114.6	7.32	36	49.43	23.669	8.48	49.9	4.0	11.3
7/20/2005	20:00:28	28.25	54.468	35.95	116.7	7.45	37	48.56	23.067	8.51	48.5	7.3	11.3
7/20/2005	20:30:28	28.30	54.450	35.94	115.5	7.37	37	48.57	23.076	8.49	44.1	8.1	11.3
7/20/2005	21:00:28	28.43	54.428	35.92	113.2	7.20	36	48.54	23.057	8.49	33.9	3.7	11.3
7/20/2005	21:30:28	28.50	54.411	35.90	112.3	7.14	36	47.72	22.495	8.48	35.6	3.7	11.3
7/20/2005	22:00:28	28.62	54.386	35.88	110.4	7.01	36	48.82	23.251	8.48	30.5	8.7	11.3
7/20/2005	22:30:28	28.76	54.385	35.88	107.9	6.83	36	47.82	22.565	8.47	19.7	4.9	11.3
7/20/2005	23:00:27	28.83	54.390	35.88	106.6	6.74	36	48.11	22.765	8.47	16.3	2.0	11.3
7/20/2005	23:30:28	28.71	54.421	35.90	105.7	6.70	35	48.00	22.688	8.47	11.5	5.1	11.3
7/21/2005	0:00:28	28.62	54.436	35.92	104.1	6.61	36	46.87	21.906	8.46	6.7	4.6	11.3
7/21/2005	0:30:28	28.62	54.397	35.89	101.5	6.44	36	46.86	21.900	8.46	1.5	1.2	11.3
7/21/2005	1:00:28	28.66	54.431	35.91	99.7	6.32	35	49.07	23.422	8.45	-1.5	4.3	11.3
7/21/2005	1:30:28	28.73	54.455	35.93	97.9	6.20	35	49.07	23.422	8.45	-2.2	2.1	11.3
7/21/2005	2:00:28	28.77	54.469	35.94	97.4	6.17	35	48.20	22.821	8.45	-4.0	2.8	11.3
7/21/2005	2:30:28	28.84	54.383	35.87	96.4	6.10	35	46.89	21.924	8.45	-4.2	2.3	11.3
7/21/2005	3:00:28	28.91	54.419	35.90	94.6	5.98	33	49.03	23.396	8.44	-4.1	1.7	11.3
7/21/2005	3:30:28	28.95	54.347	35.84	93.5	5.91	35	48.25	22.859	8.44	-4.1	1.2	11.3
7/21/2005	4:00:28	28.97	54.318	35.82	91.7	5.79	35	48.08	22.746	8.44	-4.1	1.4	11.3
7/21/2005	4:30:28	29.01	54.331	35.83	90.6	5.71	35	48.34	22.924	8.43	-3.8	1.2	11.3
7/21/2005	5:00:28	29.03	54.218	35.74	90.0	5.68	33	47.51	22.354	8.43	-3.6	0.9	11.3
7/21/2005	5:30:28	29.05	54.258	35.77	88.9	5.61	35	48.55	23.069	8.43	-3.5	0.6	11.3
7/21/2005	6:00:28	29.06	54.115	35.66	87.4	5.51	33	48.99	23.375	8.42	-3.5	1.4	11.3
7/21/2005	6:30:28	29.08	54.080	35.64	86.3	5.45	33	48.52	23.053	8.42	-3.3	0.9	11.3
7/21/2005	7:00:28	29.10	54.008	35.58	85.3	5.38	33	48.64	23.137	8.42	-3.4	0.8	11.3
7/21/2005	7:30:28	29.12	53.982	35.56	84.3	5.31	33	49.64	23.823	8.42	-3.3	0.8	11.3
7/21/2005	8:00:28	29.23	53.958	35.54	85.0	5.35	33	48.85	23.285	8.42	-3.3	0.7	11.3
7/21/2005	8:30:28	29.42	54.378	35.85	90.9	5.70	33	48.99	23.372	8.44	-3.5	0.7	11.3
7/21/2005	9:00:28	29.44	54.417	35.88	92.0	5.76	33	49.12	23.465	8.44	-3.4	1.5	11.3
7/21/2005	9:30:28	29.46	54.529	35.96	94.4	5.91	35	49.17	23.496	8.44	-3.4	1.1	11.3
7/21/2005	10:00:28	29.47	54.897	36.23	94.3	5.89	35	49.21	23.518	8.44	-3.5	0.3	11.3
7/21/2005	10:30:28	29.47	54.434	35.89	93.5	5.85	35	49.42	23.667	8.44	-3.5	1.6	11.3
7/21/2005	11:00:28	29.45	54.376	35.85	93.6	5.86	35	49.23	23.542	8.44	-3.5	0.9	11.3
7/21/2005	11:30:27	29.44	54.396	35.86	94.2	5.90	33	49.33	23.612	8.44	-3.3	0.3	11.3
7/21/2005	12:00:28	29.45	54.358	35.83	94.7	5.93	35	49.24	23.547	8.44	-0.9	1.3	11.3
7/21/2005	12:30:28	29.47	54.604	36.02	96.0	6.01	35	49.34	23.614	8.45	1.5	1.4	11.3
7/21/2005	13:00:28	29.51	53.604	35.27	97.6	6.12	35	49.33	23.622	8.45	5.8	0.3	11.3
7/21/2005	13:30:28	29.51	54.575	35.99	100.0	6.25	35	49.23	23.539	8.45	11.6	0.9	11.3
7/21/2005	14:00:28	29.54	54.584	36.00	103.3	6.45	36	49.30	23.584	8.48	23.7	2.0	11.3
7/21/2005	14:30:28	29.55	54.606	36.01	100.1	6.25	35	49.24	23.544	8.44	13.6	0.6	11.3
7/21/2005	15:00:28	29.59	54.508	35.94	105.8	6.61	36	49.27	23.566	8.48	27.1	1.4	11.3
7/21/2005	15:30:28	29.61	54.466	35.91	105.8	6.61	36	49.28	23.576	8.47	30.3	3.9	11.3
7/21/2005	16:00:28	29.63	54.383	35.84	109.3	6.82	36	49.21	23.531	8.47	33.5	1.8	11.3
7/21/2005	16:30:28	29.65	54.482	35.92	111.5	6.96	36	49.13	23.473	8.48	38.1	1.8	11.3
7/21/2005	17:00:28	29.67	54.494	35.93	114.3	7.13	36	49.19	23.513	8.49	40.6	0.7	11.3
7/21/2005	17:30:28	29.67	54.225	35.73	114.5	7.15	36	49.13	23.472	8.49	44.1	3.9	11.3
7/21/2005	18:00:28	28.69	54.255	35.78	121.0	7.68	37	49.07	23.425	8.50	24.6	4.2	11.3
7/21/2005	18:30:28	28.31	54.470	35.95	125.8	8.02	37	49.03	23.390	8.56	49.5	1.4	11.3
7/21/2005	19:00:28	28.17	54.601	36.06	129.4	8.26	38	48.97	23.345	8.55	45.0	1.2	11.3
7/21/2005	19:30:28	28.11	54.610	36.06	127.6	8.16	37	48.87	23.279	8.52	44.4	2.3	11.3
7/21/2005	20:00:28	28.17	54.622	36.07	134.0	8.56	39	48.81	23.235	8.53	41.3	2.9	11.3
7/21/2005	20:30:28	28.26	54.534	36.00	131.3	8.37	39	48.73	23.184	8.53	38.5	1.9	11.3
7/21/2005	21:00:28	28.35	54.598	36.05	132.5	8.44	38	48.65	23.130	8.54	36.4	1.5	11.3
7/21/2005	21:30:28	28.40	54.634	36.07	126.4	8.04	37	48.60	23.098	8.53	30.7	5.3	11.3
7/21/2005	22:00:28	28.41	54.613	36.06	123.4	7.85	37	48.48	23.014	8.52	28.0	2.0	11.3
7/21/2005	22:30:28	28.42	54.604	36.05	123.6	7.87	37	48.37	22.937	8.52	23.1	7.3	11.3
7/21/2005	23:00:27	28.45	54.595	36.04	119.9	7.62	37	48.35	22.926	8.50	17.9	2.9	11.3
7/21/2005	23:30:28	28.47	54.547	36.01	112.7	7.17	37	48.24	22.852	8.48	6.0	2.4	11.3
7/22/2005	0:00:28	28.49	54.628	36.07	108.8	6.91	36	48.17	22.804	8.47	4.1	2.2	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/22/2005	0:30:28	28.55	54.650	36.08	104.1	6.61	36	48.09	22.742	8.45	0.5	7.1	11.3
7/22/2005	1:00:28	28.83	54.616	36.05	98.7	6.23	35	48.06	22.725	8.45	-1.8	2.9	11.3
7/22/2005	1:30:28	29.23	54.751	36.13	96.1	6.03	36	48.04	22.718	8.45	-2.7	4.4	11.3
7/22/2005	2:00:28	29.18	55.187	36.46	95.2	5.97	35	48.04	22.708	8.44	-2.6	5.3	11.3
7/22/2005	2:30:28	29.16	55.185	36.46	95.2	5.97	35	48.00	22.682	8.44	-2.9	1.8	11.3
7/22/2005	3:00:28	29.10	55.134	36.42	95.7	6.01	35	48.00	22.682	8.44	-2.6	1.5	11.3
7/22/2005	3:30:28	29.08	55.279	36.53	94.2	5.91	35	48.01	22.684	8.44	-3.0	2.0	11.3
7/22/2005	4:00:28	29.12	55.323	36.56	94.1	5.90	35	48.13	22.771	8.44	-3.2	2.1	11.3
7/22/2005	4:30:28	29.13	55.318	36.56	92.3	5.79	35	48.16	22.790	8.43	-3.2	1.7	11.3
7/22/2005	5:00:28	29.14	54.080	35.64	89.7	5.65	35	48.23	22.855	8.42	-3.1	1.6	11.3
7/22/2005	5:30:28	29.15	55.014	36.33	84.5	5.30	35	48.29	22.884	8.41	-3.2	1.8	11.3
7/22/2005	6:00:28	29.16	54.909	36.25	84.0	5.27	33	48.39	22.955	8.41	-4.2	1.4	11.3
7/22/2005	6:30:28	29.17	55.028	36.34	80.3	5.04	33	48.48	23.014	8.39	-2.1	2.3	11.3
7/22/2005	7:00:28	29.18	55.329	36.57	75.9	4.75	33	48.55	23.061	8.38	-2.7	2.5	11.3
7/22/2005	7:30:28	29.17	55.323	36.56	69.8	4.37	32	48.64	23.120	8.36	-2.8	2.1	11.3
7/22/2005	8:00:28	29.19	55.316	36.56	68.5	4.29	33	48.80	23.228	8.36	-3.5	1.9	11.3
7/22/2005	8:30:28	29.18	55.318	36.56	66.1	4.14	33	48.87	23.276	8.35	-3.4	2.1	11.3
7/22/2005	9:00:28	29.17	55.318	36.56	66.4	4.16	33	48.99	23.364	8.35	-3.5	1.9	11.3
7/22/2005	9:30:28	29.17	55.320	36.56	64.8	4.06	33	49.02	23.379	8.35	-3.3	4.4	11.3
7/22/2005	10:00:28	29.19	55.303	36.55	59.4	3.72	32	49.06	23.411	8.33	-3.2	2.2	11.3
7/22/2005	10:30:28	29.18	55.303	36.55	58.9	3.69	32	49.15	23.471	8.33	-3.0	1.7	11.3
7/22/2005	11:00:28	29.19	55.299	36.54	59.6	3.73	32	49.20	23.505	8.33	-2.8	4.2	11.3
7/22/2005	11:30:27	29.21	55.268	36.52	56.7	3.55	30	49.20	23.508	8.32	-3.1	1.0	11.3
7/22/2005	12:00:28	29.22	55.242	36.50	58.9	3.69	32	49.26	23.546	8.33	-1.1	1.2	11.3
7/22/2005	12:30:28	29.22	55.238	36.50	62.0	3.88	32	49.25	23.542	8.33	1.3	1.3	11.3
7/22/2005	13:00:28	29.24	55.224	36.49	69.2	4.34	33	49.23	23.530	8.35	4.8	1.2	11.3
7/22/2005	13:30:28	29.25	55.221	36.48	75.4	4.72	33	49.26	23.547	8.37	9.5	1.8	11.3
7/22/2005	14:00:28	29.32	55.197	36.46	99.9	6.25	35	49.28	23.563	8.43	12.1	1.3	11.3
7/22/2005	14:30:28	29.36	55.209	36.47	89.3	5.58	35	49.30	23.577	8.40	10.7	1.7	11.3
7/22/2005	15:00:28	29.01	55.351	36.59	108.6	6.82	36	49.27	23.552	8.46	14.4	2.3	11.3
7/22/2005	15:30:28	28.76	55.408	36.64	118.9	7.50	37	49.29	23.565	8.49	21.0	1.5	11.3
7/22/2005	16:00:28	28.77	55.392	36.63	134.9	8.51	38	49.25	23.539	8.55	35.4	2.0	11.3
7/22/2005	16:30:28	28.76	55.398	36.63	133.7	8.43	38	49.24	23.525	8.55	35.7	2.4	11.3
7/22/2005	17:00:28	28.82	55.396	36.63	135.3	8.52	38	49.26	23.541	8.54	36.7	2.0	11.3
7/22/2005	17:30:28	28.90	55.406	36.63	142.0	8.93	39	49.21	23.510	8.57	39.2	2.0	11.3
7/22/2005	18:00:28	28.92	55.380	36.61	143.3	9.01	39	49.20	23.505	8.59	39.2	2.2	11.3
7/22/2005	18:30:28	28.58	55.321	36.58	142.1	8.99	39	49.15	23.469	8.60	27.1	2.9	11.3
7/22/2005	19:00:28	28.38	55.302	36.57	138.9	8.81	39	49.11	23.434	8.59	40.5	2.9	11.3
7/22/2005	19:30:28	28.28	55.306	36.58	156.4	9.94	41	49.07	23.412	8.59	37.7	2.4	11.3
7/22/2005	20:00:28	28.18	55.342	36.61	165.2	10.51	42	49.04	23.385	8.55	33.5	2.6	11.3
7/22/2005	20:30:28	28.15	55.340	36.61	173.3	11.04	42	48.98	23.349	8.56	34.2	2.3	11.3
7/22/2005	21:00:28	28.18	55.374	36.63	151.0	9.61	40	48.93	23.311	8.55	34.5	2.5	11.3
7/22/2005	21:30:28	28.25	55.379	36.63	151.9	9.66	41	48.85	23.253	8.55	31.7	2.6	11.3
7/22/2005	22:00:28	28.35	55.385	36.63	149.4	9.48	40	48.77	23.201	8.57	28.5	2.6	11.3
7/22/2005	22:30:28	28.44	55.379	36.63	135.0	8.55	40	48.68	23.142	8.53	21.0	3.4	11.3
7/22/2005	23:00:27	28.46	55.375	36.62	124.6	7.90	38	48.58	23.075	8.51	17.3	2.5	11.3
7/22/2005	23:30:28	28.48	55.377	36.62	120.3	7.62	38	48.53	23.036	8.49	6.3	2.6	11.3
7/23/2005	0:00:28	28.47	55.367	36.62	105.4	6.68	37	48.41	22.958	8.45	6.0	2.8	11.3
7/23/2005	0:30:28	28.47	53.995	35.60	100.1	6.38	37	48.36	22.939	8.44	3.6	2.9	11.3
7/23/2005	1:00:28	28.49	55.379	36.63	86.5	5.48	35	48.26	22.853	8.40	-2.5	0.4	11.3
7/23/2005	1:30:28	28.49	55.385	36.63	85.6	5.42	35	48.21	22.816	8.40	-2.3	0.6	11.3
7/23/2005	2:00:28	28.48	55.388	36.63	81.3	5.15	35	48.18	22.799	8.39	-3.3	0.0	11.3
7/23/2005	2:30:28	28.49	55.376	36.62	80.9	5.13	35	48.13	22.761	8.39	-3.5	0.2	11.3
7/23/2005	3:00:28	28.51	55.372	36.62	75.9	4.81	33	48.10	22.740	8.37	-3.9	0.8	11.3
7/23/2005	3:30:28	28.53	55.372	36.62	74.0	4.68	33	48.13	22.763	8.36	-2.9	0.8	11.3
7/23/2005	4:00:28	28.53	55.380	36.63	73.4	4.65	33	48.10	22.741	8.36	-3.2	0.6	11.3
7/23/2005	4:30:28	28.56	55.418	36.65	68.0	4.30	33	48.13	22.760	8.35	-3.5	2.0	11.3
7/23/2005	5:00:28	28.55	55.405	36.64	67.1	4.24	33	48.19	22.804	8.34	-2.2	0.6	11.3
7/23/2005	5:30:28	28.55	55.399	36.64	66.6	4.21	33	48.22	22.823	8.34	-3.9	1.2	11.3
7/23/2005	6:00:28	28.58	55.378	36.62	61.8	3.91	33	48.30	22.881	8.33	-3.5	1.1	11.3
7/23/2005	6:30:28	28.60	55.363	36.61	57.4	3.63	32	48.37	22.932	8.31	-3.7	0.6	11.3
7/23/2005	7:00:28	28.58	55.365	36.61	54.9	3.48	32	48.45	22.983	8.31	-3.6	1.4	11.3
7/23/2005	7:30:28	28.60	55.349	36.60	50.8	3.21	32	48.53	23.037	8.30	-3.4	0.8	11.3
7/23/2005	8:00:28	28.64	55.309	36.57	46.1	2.91	30	48.64	23.115	8.28	-3.5	1.0	11.3
7/23/2005	8:30:28	28.68	55.284	36.55	44.5	2.81	30	48.70	23.158	8.27	-3.6	1.0	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/23/2005	9:00:28	28.71	55.254	36.53	42.6	2.69	30	48.76	23.202	8.27	-3.7	0.9	11.3
7/23/2005	9:30:28	28.76	55.220	36.50	42.8	2.70	30	48.83	23.248	8.28	-3.6	0.9	11.3
7/23/2005	10:00:28	28.78	55.202	36.48	41.7	2.63	30	48.88	23.284	8.27	-3.6	1.0	11.3
7/23/2005	10:30:28	28.79	55.189	36.47	42.8	2.70	30	48.93	23.319	8.27	-3.7	1.5	11.3
7/23/2005	11:00:28	29.42	55.253	36.50	71.1	4.44	33	48.97	23.354	8.40	-3.8	1.0	11.3
7/23/2005	11:30:27	29.55	55.398	36.60	84.5	5.26	35	49.01	23.375	8.41	-3.8	0.3	11.3
7/23/2005	12:00:28	29.59	55.503	36.68	89.6	5.57	35	49.05	23.407	8.42	-1.9	0.5	11.3
7/23/2005	12:30:28	29.66	55.556	36.72	98.1	6.09	36	49.06	23.408	8.44	1.6	0.4	11.3
7/23/2005	13:00:28	29.71	55.538	36.70	113.6	7.05	37	49.05	23.405	8.48	6.3	0.7	11.3
7/23/2005	13:30:28	29.73	55.551	36.71	123.7	7.68	38	49.08	23.421	8.49	11.0	0.7	11.3
7/23/2005	14:00:28	29.76	55.554	36.71	137.2	8.51	39	49.08	23.422	8.53	14.8	1.2	11.3
7/23/2005	14:30:28	29.76	54.507	35.93	138.4	8.62	40	49.09	23.443	8.52	19.2	1.2	11.3
7/23/2005	15:00:28	29.79	54.258	35.75	137.2	8.55	40	49.07	23.433	8.53	22.9	0.8	11.3
7/23/2005	15:30:28	29.77	54.115	35.64	139.0	8.67	40	49.08	23.442	8.51	27.6	1.6	11.3
7/23/2005	16:00:28	29.79	52.039	34.10	144.6	9.09	40	49.06	23.459	8.52	31.1	3.1	11.3
7/23/2005	16:30:28	29.77	54.228	35.72	135.5	8.45	40	49.08	23.441	8.50	34.5	1.8	11.3
7/23/2005	17:00:28	29.81	54.567	35.98	135.6	8.44	39	49.07	23.428	8.52	25.5	3.7	11.3
7/23/2005	17:30:28	29.78	54.840	36.18	135.5	8.43	40	49.07	23.430	8.52	37.8	1.9	11.3
7/23/2005	18:00:28	29.79	54.271	35.76	138.8	8.65	40	49.07	23.432	8.55	39.6	1.7	11.3
7/23/2005	18:30:28	29.79	53.931	35.50	142.5	8.90	40	49.05	23.427	8.56	41.1	0.5	11.3
7/23/2005	19:00:28	29.84	54.573	35.98	147.9	9.20	40	49.00	23.384	8.54	43.2	0.9	11.3
7/23/2005	19:30:28	29.87	52.894	34.73	168.9	10.57	42	49.01	23.410	8.53	39.6	1.4	11.3
7/23/2005	20:00:28	29.90	54.902	36.22	145.3	9.01	41	48.97	23.362	8.45	12.2	2.4	11.3
7/23/2005	20:30:28	29.90	52.945	34.77	163.9	10.25	42	48.95	23.373	8.50	32.5	1.5	11.3
7/23/2005	21:00:28	29.91	53.196	34.95	152.8	9.54	41	48.89	23.328	8.47	10.9	3.4	11.3
7/23/2005	21:30:28	29.93	53.190	34.95	160.0	10.00	42	48.85	23.298	8.52	30.5	3.6	11.3
7/23/2005	22:00:28	29.93	53.157	34.92	124.6	7.78	39	48.82	23.275	8.43	5.2	4.6	11.3
7/23/2005	22:30:28	29.88	54.516	35.93	140.5	8.74	41	48.75	23.208	8.50	21.0	4.9	11.3
7/23/2005	23:00:27	29.67	53.437	35.14	110.9	6.95	37	48.68	23.178	8.45	7.2	9.6	11.3
7/23/2005	23:30:28	29.70	52.926	34.76	109.2	6.85	37	48.62	23.138	8.45	9.3	1.2	11.3
7/24/2005	0:00:28	29.71	53.277	35.02	104.1	6.52	37	48.53	23.075	8.45	6.0	1.6	11.3
7/24/2005	0:30:28	29.73	55.109	36.38	100.3	6.24	36	48.49	23.027	8.44	1.5	1.4	11.3
7/24/2005	1:00:28	29.48	55.589	36.75	94.8	5.90	36	48.44	22.979	8.42	-1.6	2.0	11.3
7/24/2005	1:30:28	29.39	55.475	36.67	89.7	5.60	35	48.36	22.924	8.41	-2.6	3.1	11.3
7/24/2005	2:00:28	29.40	55.510	36.69	88.5	5.52	35	48.32	22.901	8.42	-2.6	1.2	11.3
7/24/2005	2:30:28	29.25	55.367	36.59	87.8	5.49	35	48.28	22.870	8.42	-2.7	2.2	11.3
7/24/2005	3:00:28	29.14	55.320	36.56	88.6	5.56	35	48.23	22.838	8.42	-2.5	0.4	11.3
7/24/2005	3:30:28	28.89	55.247	36.51	90.8	5.72	36	48.22	22.830	8.42	-2.4	3.4	11.3
7/24/2005	4:00:28	28.69	55.167	36.46	88.8	5.61	35	48.20	22.816	8.41	-2.4	3.1	11.3
7/24/2005	4:30:28	28.56	55.108	36.42	90.0	5.70	36	48.20	22.816	8.43	-2.5	4.0	11.3
7/24/2005	5:00:28	28.63	55.125	36.43	91.7	5.80	36	48.23	22.833	8.43	-2.5	3.5	11.3
7/24/2005	5:30:28	28.54	55.091	36.41	89.9	5.69	36	48.28	22.867	8.43	-2.3	6.6	11.3
7/24/2005	6:00:28	28.45	55.063	36.39	88.4	5.61	35	48.30	22.884	8.43	-2.7	2.9	11.3
7/24/2005	6:30:28	28.42	55.049	36.38	87.2	5.54	35	48.36	22.927	8.43	-2.8	2.3	11.3
7/24/2005	7:00:28	28.46	55.060	36.39	86.5	5.49	35	48.41	22.962	8.42	-2.9	2.1	11.3
7/24/2005	7:30:28	28.53	55.062	36.39	84.5	5.35	35	48.49	23.018	8.42	-3.0	2.3	11.3
7/24/2005	8:00:28	28.58	55.071	36.39	79.9	5.06	35	48.54	23.053	8.41	-3.0	2.9	11.3
7/24/2005	8:30:28	28.56	55.074	36.40	78.8	4.99	33	48.63	23.110	8.40	-2.9	5.9	11.3
7/24/2005	9:00:28	28.57	55.070	36.39	73.4	4.65	33	48.68	23.149	8.38	-2.9	2.6	11.3
7/24/2005	9:30:28	28.56	55.070	36.39	70.9	4.49	33	48.75	23.193	8.37	-2.6	8.2	11.3
7/24/2005	10:00:28	28.60	55.053	36.38	65.9	4.17	33	48.80	23.229	8.36	-2.7	4.7	11.3
7/24/2005	10:30:28	28.62	55.073	36.39	67.9	4.30	33	48.87	23.274	8.37	-2.6	1.8	11.3
7/24/2005	11:00:28	28.67	55.073	36.39	65.9	4.17	33	48.92	23.311	8.35	-2.6	7.6	11.3
7/24/2005	11:30:27	28.68	55.063	36.38	59.6	3.77	33	48.96	23.341	8.34	-2.7	8.7	11.3
7/24/2005	12:00:28	28.71	53.623	35.31	57.4	3.65	32	48.99	23.378	8.32	-0.8	1.5	11.3
7/24/2005	12:30:28	28.74	54.336	35.84	56.3	3.57	32	49.02	23.392	8.31	1.6	2.8	11.3
7/24/2005	13:00:28	28.79	51.864	34.01	59.3	3.79	32	49.04	23.433	8.31	2.2	8.4	11.3
7/24/2005	13:30:28	28.78	54.328	35.83	87.2	5.52	35	49.06	23.422	8.37	11.1	7.9	11.3
7/24/2005	14:00:28	28.82	53.776	35.42	104.4	6.62	37	49.04	23.416	8.40	16.9	7.2	11.3
7/24/2005	14:30:28	28.84	55.026	36.35	104.6	6.60	37	49.05	23.403	8.41	22.6	8.7	11.3
7/24/2005	15:00:28	28.91	53.820	35.45	101.2	6.41	37	49.05	23.421	8.40	25.7	8.9	11.3
7/24/2005	15:30:28	28.95	53.840	35.46	96.5	6.10	36	49.06	23.427	8.40	29.0	6.8	11.3
7/24/2005	16:00:28	28.97	50.240	32.81	95.4	6.13	36	49.01	23.441	8.40	34.0	5.4	11.3
7/24/2005	16:30:28	29.00	52.719	34.63	95.2	6.05	36	49.03	23.417	8.41	40.0	10.9	11.3
7/24/2005	17:00:28	29.02	54.322	35.82	82.1	5.18	35	49.01	23.386	8.36	11.1	8.6	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/24/2005	17:30:28	29.07	54.407	35.88	98.6	6.21	36	48.99	23.373	8.43	40.4	8.8	11.3
7/24/2005	18:00:28	29.10	54.092	35.65	97.7	6.16	36	48.97	23.361	8.44	44.2	3.8	11.3
7/24/2005	18:30:28	29.15	51.566	33.77	101.0	6.43	36	48.97	23.398	8.40	16.0	8.3	11.3
7/24/2005	19:00:28	29.17	53.653	35.32	109.9	6.93	37	48.98	23.378	8.48	41.7	8.2	11.3
7/24/2005	19:30:28	29.52	51.310	33.57	128.6	8.15	39	48.97	23.399	8.50	40.5	5.6	11.3
7/24/2005	20:00:28	29.71	53.360	35.08	125.1	7.84	39	48.96	23.370	8.51	42.4	2.8	11.3
7/24/2005	20:30:28	29.74	53.490	35.18	132.5	8.29	39	48.96	23.365	8.51	37.0	3.7	11.3
7/24/2005	21:00:28	29.77	53.096	34.88	129.4	8.11	39	48.92	23.346	8.53	36.6	4.8	11.3
7/24/2005	21:30:28	29.80	52.945	34.77	111.4	6.98	37	48.92	23.349	8.49	31.1	2.1	11.3
7/24/2005	22:00:28	29.84	51.050	33.37	110.3	6.96	37	48.90	23.356	8.50	26.4	6.4	11.3
7/24/2005	22:30:28	29.78	52.567	34.49	106.6	6.69	37	48.87	23.318	8.49	21.6	4.9	11.3
7/24/2005	23:00:27	29.71	54.636	36.03	105.6	6.58	37	48.85	23.277	8.47	13.8	3.9	11.3
7/24/2005	23:30:28	29.59	52.431	34.40	105.6	6.65	37	48.81	23.278	8.46	14.1	1.3	11.3
7/25/2005	0:00:28	28.84	52.855	34.74	102.1	6.50	37	48.75	23.228	8.44	5.3	1.8	11.3
7/25/2005	0:30:28	29.26	52.977	34.81	98.0	6.19	36	48.71	23.199	8.46	1.7	4.2	11.3
7/25/2005	1:00:28	29.39	55.603	36.76	93.4	5.82	36	48.66	23.133	8.44	-1.2	5.2	11.3
7/25/2005	1:30:28	29.51	55.676	36.81	92.3	5.74	35	48.58	23.074	8.44	-2.0	0.4	11.3
7/25/2005	2:00:28	29.42	55.697	36.83	92.2	5.74	35	48.55	23.056	8.44	-2.1	1.1	11.3
7/25/2005	2:30:28	29.38	55.698	36.83	93.2	5.81	36	48.50	23.023	8.44	-2.2	1.3	11.3
7/25/2005	3:00:28	29.40	55.702	36.84	93.0	5.80	36	48.48	23.004	8.44	-2.5	0.8	11.3
7/25/2005	3:30:28	29.36	55.732	36.86	93.2	5.81	36	48.40	22.951	8.44	-2.3	0.9	11.3
7/25/2005	4:00:28	29.31	55.726	36.86	93.2	5.82	36	48.39	22.946	8.44	-2.4	0.5	11.3
7/25/2005	4:30:28	29.27	55.723	36.86	92.9	5.81	36	48.39	22.942	8.44	-2.4	2.0	11.3
7/25/2005	5:00:28	29.33	55.746	36.87	93.0	5.80	36	48.40	22.951	8.44	-2.5	2.6	11.3
7/25/2005	5:30:28	29.35	55.759	36.88	92.5	5.77	36	48.39	22.941	8.44	-2.7	1.0	11.3
7/25/2005	6:00:28	29.20	55.717	36.85	93.4	5.84	36	48.35	22.918	8.43	-2.6	0.8	11.3
7/25/2005	6:30:28	29.16	55.688	36.83	93.3	5.84	36	48.45	22.982	8.44	-2.6	1.5	11.3
7/25/2005	7:00:28	29.11	55.732	36.87	92.0	5.76	36	48.45	22.983	8.44	-2.5	1.7	11.3
7/25/2005	7:30:28	29.21	55.690	36.83	92.0	5.76	35	48.46	22.989	8.44	-2.5	1.7	11.3
7/25/2005	8:00:28	29.28	55.673	36.82	87.8	5.49	35	48.53	23.042	8.43	-2.6	1.8	11.3
7/25/2005	8:30:28	29.37	55.652	36.80	83.6	5.22	35	48.58	23.077	8.41	-2.6	1.5	11.3
7/25/2005	9:00:28	29.45	55.627	36.78	82.0	5.11	33	48.62	23.105	8.41	-2.6	0.8	11.3
7/25/2005	9:30:28	29.50	55.603	36.76	78.1	4.86	35	48.67	23.141	8.40	-2.6	1.1	11.3
7/25/2005	10:00:28	29.49	55.596	36.75	76.6	4.77	35	48.68	23.149	8.39	-2.7	0.4	11.3
7/25/2005	10:30:28	29.43	55.620	36.77	72.4	4.51	33	48.73	23.180	8.37	-2.8	0.7	11.3
7/25/2005	11:00:28	29.47	55.586	36.75	67.5	4.21	33	48.79	23.221	8.36	-2.6	0.6	11.3
7/25/2005	11:30:27	29.49	52.983	34.81	68.8	4.33	33	48.83	23.281	8.36	-2.5	1.4	11.3
7/25/2005	12:00:28	29.52	54.316	35.80	69.2	4.33	33	48.78	23.231	8.37	-0.8	1.3	11.3
7/25/2005	12:30:28	29.53	54.506	35.94	72.2	4.51	33	48.84	23.273	8.37	2.5	1.7	11.3
7/25/2005	13:00:28	29.58	54.585	36.00	82.4	5.15	33	48.89	23.306	8.40	6.7	2.0	11.3
7/25/2005	13:30:28	29.60	54.706	36.09	86.9	5.42	35	48.91	23.317	8.41	10.8	2.3	11.3
7/25/2005	14:00:28	29.61	54.738	36.11	98.8	6.17	37	48.89	23.306	8.43	15.2	2.6	11.3
7/25/2005	14:30:28	29.62	54.754	36.12	94.4	5.89	36	48.86	23.279	8.43	19.3	3.2	11.3
7/25/2005	15:00:28	29.63	54.340	35.81	94.4	5.90	36	48.86	23.289	8.44	22.8	2.6	11.3
7/25/2005	15:30:28	29.66	54.550	35.97	97.7	6.09	36	48.84	23.274	8.44	26.2	2.7	11.3
7/25/2005	16:00:28	29.72	52.879	34.73	108.3	6.80	37	48.81	23.270	8.47	30.4	2.8	11.3
7/25/2005	16:30:28	29.79	54.986	36.29	118.4	7.36	38	48.78	23.226	8.51	34.3	2.8	11.3
7/25/2005	17:00:28	29.81	54.616	36.01	125.2	7.79	38	48.79	23.238	8.51	37.1	3.0	11.3
7/25/2005	17:30:28	29.83	55.392	36.59	122.3	7.58	38	48.82	23.250	8.52	38.9	2.3	11.3
7/25/2005	18:00:28	29.78	53.899	35.48	121.2	7.57	38	48.72	23.197	8.53	39.6	2.9	11.3
7/25/2005	18:30:28	29.77	53.286	35.02	121.7	7.62	38	48.74	23.219	8.55	41.0	1.3	11.3
7/25/2005	19:00:28	29.78	54.242	35.74	127.5	7.95	39	48.74	23.210	8.54	41.8	2.9	11.3
7/25/2005	19:30:28	29.40	54.249	35.75	119.6	7.50	38	48.78	23.230	8.48	105.6	1.0	11.3
7/25/2005	20:00:28	29.38	54.778	36.15	134.4	8.41	39	48.73	23.191	8.50	104.4	2.0	11.3
7/25/2005	20:30:28	29.37	53.628	35.29	121.1	7.62	38	48.76	23.226	8.49	105.8	2.5	11.3
7/25/2005	21:00:28	29.22	53.359	35.10	125.6	7.93	38	48.79	23.248	8.51	96.8	1.6	11.3
7/25/2005	21:30:28	29.09	53.479	35.19	123.1	7.78	38	48.83	23.275	8.51	84.4	2.5	11.3
7/25/2005	22:00:28	28.96	53.407	35.14	117.7	7.46	37	48.80	23.256	8.50	67.4	1.7	11.3
7/25/2005	22:30:28	28.85	55.048	36.37	114.6	7.23	37	48.81	23.236	8.51	53.2	2.9	11.3
7/25/2005	23:00:27	28.78	55.680	36.84	105.9	6.67	37	48.82	23.235	8.46	17.1	3.0	11.3
7/25/2005	23:30:28	28.74	55.625	36.80	107.3	6.76	37	48.81	23.229	8.47	22.3	3.2	11.3
7/26/2005	0:00:28	28.94	55.634	36.80	103.4	6.50	36	48.86	23.262	8.46	15.9	3.7	11.3
7/26/2005	0:30:28	28.84	55.609	36.79	98.3	6.19	36	48.78	23.209	8.45	6.0	2.8	11.3
7/26/2005	1:00:28	28.89	55.635	36.80	93.9	5.90	35	48.77	23.205	8.45	0.1	1.8	11.3
7/26/2005	1:30:28	29.06	55.669	36.82	90.4	5.67	35	48.74	23.180	8.45	-2.1	2.9	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/26/2005	2:00:28	29.20	55.681	36.83	89.5	5.60	35	48.70	23.160	8.45	-2.4	2.3	11.3
7/26/2005	2:30:28	29.31	55.710	36.85	89.8	5.61	35	48.70	23.154	8.45	-2.4	2.4	11.3
7/26/2005	3:00:28	29.30	55.704	36.84	89.1	5.56	35	48.71	23.165	8.44	-2.5	3.7	11.3
7/26/2005	3:30:28	29.28	55.700	36.84	89.6	5.59	35	48.66	23.130	8.44	-2.5	3.2	11.3
7/26/2005	4:00:28	29.30	55.701	36.84	86.4	5.39	33	48.67	23.134	8.43	-2.5	5.0	11.3
7/26/2005	4:30:28	29.35	55.730	36.86	86.6	5.41	35	48.65	23.123	8.43	-2.6	5.1	11.3
7/26/2005	5:00:28	29.41	55.743	36.87	87.0	5.42	35	48.59	23.085	8.43	-2.5	4.1	11.3
7/26/2005	5:30:28	29.47	55.751	36.87	84.7	5.27	35	48.61	23.096	8.43	-2.5	4.7	11.3
7/26/2005	6:00:28	29.51	55.758	36.87	84.1	5.23	33	48.60	23.086	8.42	-2.5	3.9	11.3
7/26/2005	6:30:28	29.54	55.768	36.88	80.3	4.99	33	48.61	23.095	8.41	-2.6	4.5	11.3
7/26/2005	7:00:28	29.61	55.772	36.88	79.3	4.93	33	48.58	23.074	8.41	-2.6	6.2	11.3
7/26/2005	7:30:28	29.67	55.776	36.88	76.8	4.77	33	48.60	23.091	8.40	-2.6	4.4	11.3
7/26/2005	8:00:28	29.70	55.768	36.88	73.5	4.56	33	48.62	23.105	8.39	-2.6	4.5	11.3
7/26/2005	8:30:28	29.65	55.761	36.87	67.4	4.18	33	48.63	23.115	8.36	-2.6	5.9	11.3
7/26/2005	9:00:28	29.66	55.752	36.86	65.6	4.07	33	48.69	23.151	8.36	-2.7	5.1	11.3
7/26/2005	9:30:28	29.91	55.546	36.70	70.5	4.36	33	48.71	23.169	8.40	-2.8	4.7	11.3
7/26/2005	10:00:28	29.94	55.478	36.65	84.1	5.20	35	48.73	23.184	8.42	-2.8	3.8	11.3
7/26/2005	10:30:28	29.94	55.552	36.70	87.6	5.42	33	48.74	23.194	8.43	-2.8	4.5	11.3
7/26/2005	11:00:28	29.95	55.740	36.85	86.7	5.36	35	48.74	23.193	8.43	-2.8	4.5	11.3
7/26/2005	11:30:27	29.89	55.768	36.87	86.7	5.36	35	48.78	23.214	8.42	-2.4	4.0	11.3
7/26/2005	12:00:28	29.85	53.351	35.07	89.4	5.59	35	48.78	23.250	8.42	1.9	6.4	11.3
7/26/2005	12:30:28	29.78	53.458	35.15	91.0	5.69	35	48.81	23.267	8.43	7.5	4.1	11.3
7/26/2005	13:00:28	29.61	53.385	35.10	102.6	6.43	36	48.85	23.294	8.46	19.4	4.4	11.3
7/26/2005	13:30:28	29.64	53.275	35.02	116.5	7.31	37	48.81	23.267	8.47	28.9	3.8	11.3
7/26/2005	14:00:28	29.69	53.220	34.98	125.1	7.84	38	48.82	23.272	8.50	46.0	5.4	11.3
7/26/2005	14:30:28	29.56	53.211	34.98	129.0	8.10	38	48.78	23.250	8.50	52.5	5.1	11.3
7/26/2005	15:00:28	29.59	54.270	35.76	126.4	7.90	38	48.76	23.218	8.50	62.0	6.5	11.3
7/26/2005	15:30:28	29.52	54.677	36.07	123.0	7.69	38	48.71	23.183	8.50	78.7	4.7	11.3
7/26/2005	16:00:28	29.33	53.077	34.89	129.2	8.15	38	48.71	23.197	8.51	85.6	5.7	11.3
7/26/2005	16:30:28	29.40	53.615	35.28	130.6	8.21	39	48.67	23.162	8.49	49.8	5.7	11.3
7/26/2005	17:00:28	29.32	53.878	35.48	122.4	7.70	38	48.65	23.149	8.51	104.3	6.6	11.3
7/26/2005	17:30:28	29.23	53.591	35.27	134.8	8.50	39	48.63	23.136	8.52	109.8	4.7	11.3
7/26/2005	18:00:28	28.67	54.852	36.23	131.5	8.32	39	48.60	23.093	8.51	103.2	5.8	11.3
7/26/2005	18:30:28	28.27	54.021	35.62	135.5	8.66	39	48.60	23.101	8.53	104.8	4.7	11.3
7/26/2005	19:00:28	28.17	55.083	36.41	137.5	8.76	39	48.58	23.071	8.53	84.7	5.1	11.3
7/26/2005	19:30:28	27.97	54.054	35.65	143.4	9.21	39	48.61	23.103	8.52	76.9	5.4	11.3
7/26/2005	20:00:28	27.52	54.137	35.73	132.9	8.59	38	48.58	23.080	8.49	67.6	4.1	11.3
7/26/2005	20:30:28	27.19	53.777	35.47	135.2	8.80	39	48.57	23.078	8.51	70.2	3.2	11.3
7/26/2005	21:00:28	26.92	52.988	34.89	123.2	8.08	37	48.58	23.091	8.51	61.2	10.6	11.3
7/26/2005	21:30:28	26.83	53.585	35.34	119.4	7.83	37	48.61	23.102	8.52	51.6	5.4	11.3
7/26/2005	22:00:28	26.72	52.941	34.86	118.2	7.78	36	48.61	23.113	8.51	42.1	6.1	11.3
7/26/2005	22:30:28	26.59	53.096	34.98	109.5	7.22	36	48.63	23.121	8.49	15.8	5.3	11.3
7/26/2005	23:00:27	26.54	53.068	34.96	110.0	7.26	36	48.68	23.157	8.52	26.9	6.0	11.3
7/26/2005	23:30:28	26.54	53.278	35.12	108.2	7.13	36	48.68	23.156	8.50	12.1	6.4	11.3
7/27/2005	0:00:28	26.39	53.211	35.07	105.5	6.98	35	48.72	23.180	8.49	12.3	5.4	11.3
7/27/2005	0:30:28	26.19	54.739	36.22	97.4	6.42	35	48.75	23.177	8.48	4.8	5.6	11.3
7/27/2005	1:00:28	26.15	55.206	36.57	90.8	5.98	33	48.75	23.171	8.47	0.3	5.6	11.3
7/27/2005	1:30:28	25.99	54.915	36.35	90.6	5.99	33	48.74	23.171	8.47	-1.1	5.7	11.3
7/27/2005	2:00:28	25.91	54.855	36.31	91.6	6.07	35	48.77	23.187	8.48	-1.1	4.0	11.3
7/27/2005	2:30:28	25.88	54.888	36.34	88.3	5.85	33	48.78	23.194	8.47	-1.2	7.0	11.3
7/27/2005	3:00:28	25.97	54.950	36.38	89.8	5.94	33	48.76	23.186	8.48	-1.2	6.8	11.3
7/27/2005	3:30:28	26.05	54.972	36.39	85.8	5.67	33	48.76	23.183	8.47	-1.3	5.1	11.3
7/27/2005	4:00:28	26.16	54.942	36.37	87.2	5.75	33	48.75	23.176	8.47	-1.5	6.2	11.3
7/27/2005	4:30:28	26.33	52.480	34.53	87.4	5.80	33	48.75	23.208	8.47	-1.7	7.0	11.3
7/27/2005	5:00:28	26.43	54.890	36.32	84.7	5.56	33	48.74	23.176	8.46	-1.8	6.1	11.3
7/27/2005	5:30:28	26.36	54.867	36.31	77.6	5.10	33	48.75	23.176	8.43	-1.7	6.2	11.3
7/27/2005	6:00:28	26.36	51.513	33.82	73.5	4.90	33	48.75	23.219	8.42	-1.5	6.4	11.3
7/27/2005	6:30:28	26.53	54.910	36.34	74.0	4.85	33	48.71	23.154	8.43	-1.4	1.8	11.3
7/27/2005	7:00:28	26.59	54.552	36.07	72.1	4.73	32	48.72	23.166	8.42	-1.5	2.1	11.3
7/27/2005	7:30:28	26.59	54.939	36.35	72.0	4.71	32	48.71	23.152	8.41	-1.4	2.0	11.3
7/27/2005	8:00:28	26.80	54.957	36.36	72.5	4.73	32	48.70	23.149	8.42	-1.4	2.7	11.3
7/27/2005	8:30:28	27.04	54.988	36.38	69.3	4.50	32	48.72	23.163	8.41	-1.3	2.6	11.3
7/27/2005	9:00:28	27.07	55.016	36.40	67.5	4.38	32	48.73	23.169	8.40	-1.4	3.2	11.3
7/27/2005	9:30:28	26.98	54.999	36.39	66.2	4.30	32	48.73	23.168	8.40	-1.4	2.9	11.3
7/27/2005	10:00:28	27.05	55.018	36.40	67.2	4.37	32	48.74	23.174	8.40	-1.6	3.0	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank														
June 8, 2005 - August 27, 2005														
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/27/2005	10:30:28	27.09	55.026	36.41	64.9	4.21	32	48.76	23.191	8.39	-1.5	3.7	11.3
7/27/2005	11:00:28	27.19	55.032	36.41	64.3	4.16	32	48.77	23.200	8.39	-1.6	5.3	11.3
7/27/2005	11:30:27	27.19	55.057	36.43	64.3	4.17	32	48.78	23.206	8.39	-1.3	6.2	11.3
7/27/2005	12:00:28	27.30	54.365	35.91	65.4	4.24	32	48.79	23.224	8.39	1.6	6.7	11.3
7/27/2005	12:30:28	27.42	53.627	35.35	70.1	4.55	32	48.77	23.218	8.40	7.1	5.7	11.3
7/27/2005	13:00:28	27.53	52.764	34.71	83.2	5.41	33	48.77	23.227	8.42	16.3	7.6	11.3
7/27/2005	13:30:28	27.96	52.745	34.68	102.2	6.60	35	48.75	23.222	8.47	26.7	7.5	11.3
7/27/2005	14:00:28	28.22	52.945	34.82	123.3	7.92	37	48.75	23.219	8.51	35.4	4.2	11.3
7/27/2005	14:30:28	28.57	53.019	34.87	128.3	8.20	38	48.71	23.196	8.52	46.6	4.6	11.3
7/27/2005	15:00:28	28.59	53.024	34.87	128.3	8.20	38	48.67	23.167	8.52	57.7	4.6	11.3
7/27/2005	15:30:28	28.31	52.963	34.83	125.2	8.04	38	48.64	23.146	8.52	69.1	3.4	11.3
7/27/2005	16:00:28	28.16	52.882	34.78	122.5	7.88	37	48.60	23.117	8.52	74.3	4.4	11.3
7/27/2005	16:30:28	28.02	52.768	34.70	131.9	8.51	38	48.55	23.083	8.52	83.8	5.4	11.3
7/27/2005	17:00:28	27.63	51.840	34.02	127.6	8.32	37	48.52	23.068	8.53	86.3	5.4	11.3
7/27/2005	17:30:28	27.14	52.898	34.82	131.7	8.61	38	48.49	23.032	8.52	73.9	4.8	11.3
7/27/2005	18:00:28	26.67	52.698	34.69	140.0	9.23	38	48.46	23.009	8.58	100.5	6.5	11.3
7/27/2005	18:30:28	26.66	52.533	34.56	146.0	9.64	39	48.43	22.992	8.61	94.4	16.4	11.3
7/27/2005	19:00:28	26.57	52.351	34.43	146.9	9.72	39	48.41	22.979	8.59	88.1	5.3	11.3
7/27/2005	19:30:28	26.59	52.620	34.63	133.5	8.82	38	48.39	22.962	8.55	85.0	12.0	11.3
7/27/2005	20:00:28	26.42	52.439	34.50	133.0	8.82	38	48.38	22.953	8.53	74.3	7.2	11.3
7/27/2005	20:30:28	26.60	52.384	34.46	141.8	9.38	38	48.38	22.961	8.54	77.1	7.0	11.3
7/27/2005	21:00:28	26.50	52.314	34.41	111.0	7.36	35	48.39	22.966	8.51	72.4	11.4	11.3
7/27/2005	21:30:28	26.19	52.286	34.39	113.0	7.52	36	48.41	22.974	8.51	57.3	7.9	11.3
7/27/2005	22:00:28	26.01	53.690	35.44	99.8	6.63	33	48.43	22.971	8.48	19.8	14.6	11.3
7/27/2005	22:30:28	26.26	53.800	35.52	98.4	6.51	33	48.45	22.989	8.50	36.8	8.9	11.3
7/27/2005	23:00:27	26.93	54.050	35.68	94.6	6.18	33	48.49	23.018	8.50	18.9	6.2	11.3
7/27/2005	23:30:28	27.49	52.538	34.54	96.4	6.28	35	48.54	23.070	8.49	20.5	5.4	11.3
7/28/2005	0:00:28	27.84	53.587	35.31	94.3	6.08	33	48.59	23.099	8.48	11.5	5.6	11.3
7/28/2005	0:30:28	28.38	55.352	36.61	91.6	5.81	35	48.62	23.102	8.47	4.5	7.8	11.3
7/28/2005	1:00:28	28.69	55.459	36.68	91.3	5.76	33	48.67	23.133	8.47	-0.2	4.8	11.3
7/28/2005	1:30:28	29.04	55.560	36.74	92.2	5.78	35	48.71	23.162	8.47	-1.3	6.1	11.3
7/28/2005	2:00:28	29.23	55.628	36.79	90.1	5.64	35	48.74	23.185	8.46	-1.4	8.7	11.3
7/28/2005	2:30:28	29.25	55.635	36.79	86.3	5.40	33	48.78	23.216	8.44	-1.9	9.5	11.3
7/28/2005	3:00:28	29.21	55.626	36.79	91.8	5.74	35	48.80	23.228	8.45	-1.7	8.2	11.3
7/28/2005	3:30:28	29.18	55.622	36.78	89.8	5.62	35	48.83	23.250	8.45	-1.5	9.0	11.3
7/28/2005	4:00:28	29.13	55.604	36.77	89.4	5.60	33	48.84	23.256	8.44	-1.5	5.4	11.3
7/28/2005	4:30:28	29.28	55.665	36.81	87.7	5.48	33	48.84	23.256	8.44	-1.6	5.4	11.3
7/28/2005	5:00:28	29.35	55.696	36.83	89.6	5.59	35	48.86	23.270	8.44	-1.5	7.8	11.3
7/28/2005	5:30:28	29.39	55.752	36.87	90.5	5.64	35	48.88	23.282	8.44	-1.6	5.3	11.3
7/28/2005	6:00:28	29.49	55.759	36.88	87.3	5.43	33	48.87	23.275	8.44	-1.6	6.4	11.3
7/28/2005	6:30:28	29.59	55.606	36.76	89.7	5.58	33	48.87	23.277	8.44	-1.6	7.6	11.3
7/28/2005	7:00:28	29.59	55.767	36.88	86.9	5.40	33	48.87	23.273	8.44	-1.6	50.2	11.3
7/28/2005	7:30:28	29.52	55.733	36.86	87.6	5.45	33	48.85	23.262	8.43	-1.7	14.8	11.3
7/28/2005	8:00:28	29.40	55.686	36.82	89.1	5.55	35	48.84	23.256	8.44	-1.6	8.1	11.3
7/28/2005	8:30:28	29.30	55.670	36.82	89.9	5.61	35	48.84	23.251	8.44	-1.6	17.2	11.3
7/28/2005	9:00:28	29.32	55.660	36.81	88.1	5.50	33	48.83	23.249	8.44	-1.6	4.0	11.3
7/28/2005	9:30:28	29.35	55.649	36.80	87.0	5.43	33	48.85	23.261	8.44	-1.6	4.5	11.3
7/28/2005	10:00:28	29.46	55.678	36.82	87.3	5.44	33	48.85	23.263	8.44	-1.6	4.7	11.3
7/28/2005	10:30:28	29.50	55.700	36.83	86.7	5.40	33	48.84	23.258	8.44	-1.6	4.2	11.3
7/28/2005	11:00:28	29.55	55.710	36.84	84.8	5.28	33	48.84	23.259	8.43	-1.6	5.0	11.3
7/28/2005	11:30:27	29.58	55.720	36.84	85.8	5.34	33	48.82	23.239	8.43	-1.4	4.1	11.3
7/28/2005	12:00:28	29.56	55.718	36.84	89.9	5.59	33	48.83	23.247	8.44	2.1	9.6	11.3
7/28/2005	12:30:28	29.50	55.712	36.84	95.4	5.94	35	48.82	23.244	8.45	10.1	10.1	11.3
7/28/2005	13:00:28	29.45	55.699	36.83	104.5	6.51	35	48.79	23.221	8.45	19.5	10.6	11.3
7/28/2005	13:30:28	29.40	55.680	36.82	109.2	6.81	36	48.79	23.221	8.47	31.5	5.7	11.3
7/28/2005	14:00:28	29.31	55.645	36.80	124.7	7.79	37	48.76	23.198	8.48	40.7	13.1	11.3
7/28/2005	14:30:28	29.28	55.649	36.80	127.5	7.96	37	48.71	23.163	8.47	23.0	9.9	11.3
7/28/2005	15:00:28	29.26	55.626	36.78	120.2	7.51	37	48.73	23.177	8.48	65.5	10.1	11.3
7/28/2005	15:30:28	29.31	55.648	36.80	127.8	7.98	38	48.65	23.126	8.49	66.8	11.6	11.3
7/28/2005	16:00:28	29.52	55.694	36.83	127.7	7.95	38	48.63	23.109	8.50	77.9	14.0	11.3
7/28/2005	16:30:28	29.67	55.725	36.84	123.2	7.65	37	48.57	23.069	8.50	89.5	9.8	11.3
7/28/2005	17:00:28	29.72	55.740	36.85	126.0	7.81	37	48.54	23.054	8.50	90.4	13.7	11.3
7/28/2005	17:30:28	29.81	55.756	36.86	133.0	8.24	38	48.49	23.019	8.51	94.1	5.7	11.3
7/28/2005	18:00:28	29.77	55.741	36.85	126.6	7.84	38	48.47	23.000	8.51	114.7	9.2	11.3
7/28/2005	18:30:28	29.71	55.727	36.84	140.1	8.69	39	48.41	22.963	8.52	118.6	16.0	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
7/28/2005	19:00:28	29.69	55.725	36.84	146.0	9.06	40	48.36	22.925	8.52	108.2	14.5	11.3
7/28/2005	19:30:28	29.53	55.687	36.82	127.3	7.92	38	48.35	22.920	8.48	105.3	10.2	11.3
7/28/2005	20:00:28	29.36	55.651	36.80	132.4	8.26	38	48.32	22.896	8.48	97.8	11.6	11.3
7/28/2005	20:30:28	29.34	55.656	36.80	139.3	8.69	39	48.30	22.886	8.49	95.2	16.2	11.3
7/28/2005	21:00:28	29.41	55.681	36.82	134.6	8.39	38	48.32	22.896	8.49	86.9	17.2	11.3
7/28/2005	21:30:28	29.47	55.725	36.85	125.1	7.79	38	48.33	22.902	8.48	78.3	15.9	11.3
7/28/2005	22:00:28	29.58	55.778	36.89	117.9	7.33	36	48.35	22.919	8.49	66.9	14.5	11.3
7/28/2005	22:30:28	29.73	55.805	36.90	107.9	6.69	36	48.36	22.929	8.47	33.5	15.6	11.3
7/28/2005	23:00:27	29.73	55.818	36.91	102.5	6.35	35	48.40	22.951	8.46	21.1	15.6	11.3
7/28/2005	23:30:28	29.77	55.817	36.91	102.6	6.36	35	48.44	22.979	8.46	25.9	9.7	11.3
7/29/2005	0:00:28	29.80	55.813	36.91	99.2	6.14	35	48.48	23.007	8.46	15.3	16.9	11.3
7/29/2005	0:30:28	29.78	55.807	36.90	95.5	5.92	35	48.54	23.050	8.45	6.8	17.6	11.3
7/29/2005	1:00:28	29.76	55.798	36.90	92.5	5.73	33	48.59	23.085	8.45	0.4	13.0	11.3
7/29/2005	1:30:28	29.82	55.810	36.90	90.5	5.60	33	48.66	23.134	8.45	-1.1	10.0	11.3
7/29/2005	2:00:28	29.88	55.815	36.90	90.9	5.62	33	48.69	23.156	8.45	-1.2	10.3	11.3
7/29/2005	2:30:28	29.82	55.810	36.90	88.3	5.47	33	48.76	23.200	8.44	-1.3	11.2	11.3
7/29/2005	3:00:28	29.77	55.821	36.91	90.4	5.60	33	48.79	23.224	8.45	-1.3	13.3	11.3
7/29/2005	3:30:28	29.77	55.814	36.91	89.0	5.51	33	48.87	23.274	8.45	-1.3	8.7	11.3
7/29/2005	4:00:28	29.75	55.842	36.93	89.7	5.56	33	48.91	23.303	8.45	-1.3	12.5	11.3
7/29/2005	4:30:28	29.76	55.820	36.91	84.9	5.26	33	48.93	23.320	8.44	-1.3	11.2	11.3
7/29/2005	5:00:28	29.76	55.800	36.90	85.8	5.31	33	48.97	23.349	8.44	-1.4	7.2	11.3
7/29/2005	5:30:28	29.74	55.789	36.89	87.0	5.39	33	48.98	23.355	8.44	-1.5	9.8	11.3
7/29/2005	6:00:28	29.72	55.770	36.88	88.7	5.50	33	49.01	23.376	8.45	-1.4	11.7	11.3
7/29/2005	6:30:28	29.72	55.755	36.86	87.1	5.40	33	49.01	23.375	8.45	-1.3	8.3	11.3
7/29/2005	7:00:28	29.72	55.739	36.85	89.6	5.56	33	48.98	23.355	8.45	-1.4	10.0	11.3
7/29/2005	7:30:28	29.72	55.731	36.85	85.7	5.31	33	49.01	23.376	8.44	-1.7	13.6	11.3
7/29/2005	8:00:28	29.71	55.730	36.85	82.9	5.14	33	49.00	23.369	8.44	-1.4	8.7	11.3
7/29/2005	8:30:28	29.69	55.739	36.85	86.6	5.37	33	49.02	23.380	8.44	-1.4	10.1	11.3
7/29/2005	9:00:28	29.67	55.720	36.84	85.1	5.28	33	48.99	23.362	8.44	-1.5	8.3	11.3
7/29/2005	9:30:28	29.66	55.712	36.83	82.8	5.14	33	48.98	23.350	8.44	-1.5	7.8	11.3
7/29/2005	10:00:28	29.67	55.662	36.80	78.0	4.84	33	48.97	23.348	8.43	-1.5	8.4	11.3
7/29/2005	10:30:28	29.69	55.679	36.81	81.0	5.03	33	48.95	23.334	8.44	-1.5	9.7	11.3
7/29/2005	11:00:28	29.70	55.674	36.81	83.7	5.19	33	48.93	23.322	8.44	-1.5	6.8	11.3
7/29/2005	11:30:27	29.68	55.665	36.80	84.3	5.24	33	48.93	23.317	8.44	-1.3	9.4	11.3
7/29/2005	12:00:28	29.63	55.676	36.81	87.6	5.44	33	48.92	23.311	8.44	2.5	8.4	11.3
7/29/2005	12:30:28	29.65	53.948	35.52	92.7	5.80	35	48.91	23.329	8.46	8.9	8.3	11.3
7/29/2005	13:00:28	29.71	55.903	36.98	100.8	6.25	35	48.87	23.276	8.47	20.2	7.6	11.3
7/29/2005	13:30:28	29.72	55.908	36.98	109.8	6.80	36	48.86	23.270	8.47	30.6	9.5	11.3
7/29/2005	14:00:28	29.68	55.902	36.98	113.1	7.02	36	48.83	23.249	8.48	48.3	10.0	11.3
7/29/2005	14:30:28	29.64	54.542	35.96	119.1	7.43	37	48.81	23.250	8.48	57.5	10.0	11.3
7/29/2005	15:00:28	29.63	54.532	35.96	123.7	7.72	37	48.76	23.219	8.49	58.8	19.0	11.3
7/29/2005	15:30:28	29.56	54.276	35.77	103.1	6.45	35	48.71	23.188	8.47	20.0	13.0	11.3
7/29/2005	16:00:28	29.54	55.935	37.01	106.2	6.60	35	48.66	23.130	8.47	26.4	15.0	11.3
7/29/2005	16:30:28	29.56	55.931	37.00	109.9	6.83	36	48.60	23.089	8.48	39.2	10.0	11.3
7/29/2005	17:00:28	29.60	55.920	36.99	112.0	6.95	36	48.57	23.066	8.48	40.8	13.1	11.3
7/29/2005	17:30:28	29.59	55.912	36.99	116.2	7.21	36	48.51	23.026	8.48	46.9	12.6	11.3
7/29/2005	18:00:28	29.68	55.862	36.95	123.2	7.64	37	48.46	22.992	8.50	71.9	23.4	11.3
7/29/2005	18:30:28	29.67	55.885	36.96	117.5	7.29	36	48.42	22.963	8.49	57.0	13.6	11.3
7/29/2005	19:00:28	29.71	55.885	36.96	131.5	8.15	38	48.37	22.934	8.50	97.1	11.1	11.3
7/29/2005	19:30:28	29.75	54.935	36.25	149.8	9.32	40	48.31	22.901	8.51	99.5	10.6	11.3
7/29/2005	20:00:28	29.81	54.426	35.87	137.7	8.57	39	48.29	22.894	8.49	116.5	11.9	11.3
7/29/2005	20:30:28	29.80	54.861	36.19	138.0	8.58	39	48.26	22.871	8.49	101.5	13.8	11.3
7/29/2005	21:00:28	29.82	54.912	36.23	151.1	9.39	39	48.24	22.856	8.49	96.7	13.8	11.3
7/29/2005	21:30:28	29.84	55.869	36.95	137.8	8.53	39	48.24	22.844	8.48	59.2	14.1	11.3
7/29/2005	22:00:28	29.85	55.859	36.94	128.6	7.95	37	48.23	22.834	8.49	52.8	11.6	11.3
7/29/2005	22:30:28	29.87	55.851	36.93	127.2	7.87	37	48.23	22.840	8.48	53.1	13.5	11.3
7/29/2005	23:00:27	29.91	55.842	36.92	118.6	7.33	36	48.25	22.852	8.47	31.7	15.4	11.3
7/29/2005	23:30:28	29.96	55.863	36.94	107.6	6.65	36	48.31	22.891	8.46	21.5	15.6	11.3
7/30/2005	0:00:28	29.98	55.837	36.92	102.7	6.34	35	48.33	22.906	8.46	16.3	15.5	11.3
7/30/2005	0:30:28	30.01	55.801	36.89	92.6	5.71	33	48.37	22.938	8.45	6.5	16.4	11.3
7/30/2005	1:00:28	30.02	55.814	36.90	90.2	5.57	33	48.43	22.977	8.44	-0.1	15.7	11.3
7/30/2005	1:30:28	30.00	55.851	36.93	89.4	5.52	33	48.50	23.024	8.44	-1.4	12.6	11.3
7/30/2005	2:00:28	29.96	55.855	36.93	89.0	5.49	33	48.54	23.053	8.45	-1.5	11.7	11.3
7/30/2005	2:30:28	29.94	55.851	36.93	88.5	5.47	33	48.64	23.120	8.45	-1.6	13.7	11.3
7/30/2005	3:00:28	29.94	55.842	36.92	89.4	5.52	33	48.72	23.176	8.45	-1.6	15.0	11.3

<u>**Appendix 5**</u>
<u>**Water Quality Data**</u>

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	**Time**	**Temp C**	**SpCond ms/cm/sec**	**Sal ppt**	**Dosat %**	**DO Conc mg/L**	**Do chrg**	**Absolute Pressure psi**	**Depth m**	**pH**	**PAR1 µeinst/sec*m^2**	**Turbidity NTU**	**Battery volts**
7/30/2005	3:30:28	29.92	55.843	36.92	89.7	5.54	33	48.77	23.210	8.45	-1.6	15.9	11.3
7/30/2005	4:00:28	29.90	55.846	36.93	89.3	5.52	33	48.84	23.255	8.45	-1.4	20.8	11.3
7/30/2005	4:30:28	29.92	55.831	36.91	87.3	5.40	33	48.84	23.260	8.45	-1.6	21.7	11.3
7/30/2005	5:00:28	29.92	55.800	36.89	83.8	5.18	33	48.92	23.316	8.44	-1.6	20.9	11.3
7/30/2005	5:30:28	29.93	55.789	36.88	82.1	5.08	33	48.96	23.344	8.44	-1.6	21.2	11.3
7/30/2005	6:00:28	29.92	55.828	36.91	82.4	5.09	33	49.00	23.365	8.44	-1.6	14.9	11.3
7/30/2005	6:30:28	29.92	55.796	36.89	83.4	5.15	33	49.02	23.379	8.44	-1.6	14.0	11.3
7/30/2005	7:00:28	29.92	55.817	36.90	85.2	5.26	33	49.04	23.393	8.45	-1.6	31.0	11.3
7/30/2005	7:30:28	29.92	55.844	36.92	89.0	5.50	33	49.05	23.400	8.45	-1.6	12.0	11.3
7/30/2005	8:00:28	29.90	55.848	36.93	87.1	5.39	33	49.05	23.399	8.45	-1.7	9.2	11.3
7/30/2005	8:30:28	29.88	55.862	36.94	87.0	5.38	33	49.04	23.398	8.45	-1.7	21.2	11.3
7/30/2005	9:00:28	29.84	55.869	36.95	85.6	5.29	33	49.01	23.376	8.44	-1.6	11.7	11.3
7/30/2005	9:30:28	29.82	55.870	36.95	84.2	5.21	33	49.02	23.378	8.45	-2.0	15.6	11.3
7/30/2005	10:00:28	29.83	55.870	36.95	87.7	5.42	33	49.04	23.392	8.45	-1.7	9.7	11.3
7/30/2005	10:30:28	29.81	55.861	36.94	88.7	5.49	33	49.00	23.364	8.45	-1.7	15.5	11.3
7/30/2005	11:00:28	29.80	55.866	36.94	87.2	5.40	33	48.98	23.355	8.45	-1.7	10.1	11.3
7/30/2005	11:30:27	29.78	55.870	36.95	90.0	5.57	33	48.97	23.346	8.45	-1.5	9.7	11.3
7/30/2005	12:00:28	29.76	55.869	36.95	88.8	5.50	33	48.95	23.329	8.45	1.0	11.8	11.3
7/30/2005	12:30:28	29.72	55.870	36.95	91.8	5.69	33	48.91	23.303	8.45	4.9	10.7	11.3
7/30/2005	13:00:28	29.74	54.374	35.83	93.9	5.86	33	48.89	23.306	8.46	10.1	15.7	11.3
7/30/2005	13:30:28	29.73	55.879	36.96	96.4	5.98	33	48.88	23.284	8.46	16.5	11.8	11.3
7/30/2005	14:00:28	29.71	55.885	36.96	98.1	6.08	33	48.85	23.260	8.46	19.7	12.1	11.3
7/30/2005	14:30:28	29.72	55.882	36.96	101.4	6.29	35	48.80	23.229	8.47	20.5	9.5	11.3
7/30/2005	15:00:28	29.71	55.874	36.95	96.5	5.98	33	48.77	23.210	8.46	10.5	10.5	11.3
7/30/2005	15:30:28	29.71	55.878	36.96	94.3	5.85	33	48.73	23.177	8.46	7.3	9.2	11.3
7/30/2005	16:00:28	29.72	55.876	36.95	94.2	5.84	33	48.70	23.156	8.46	11.3	11.5	11.3
7/30/2005	16:30:28	29.76	55.878	36.96	99.5	6.16	35	48.64	23.118	8.46	19.6	12.0	11.3
7/30/2005	17:00:28	29.81	55.876	36.95	104.8	6.48	35	48.58	23.078	8.46	29.3	12.2	11.3
7/30/2005	17:30:28	29.81	55.869	36.95	119.2	7.38	36	48.54	23.046	8.48	57.9	12.5	11.3
7/30/2005	18:00:28	29.82	56.223	37.21	142.3	8.79	39	48.48	23.003	8.49	86.2	13.9	11.3
7/30/2005	18:30:28	29.93	55.938	36.99	141.7	8.75	38	48.42	22.968	8.49	69.7	12.1	11.3
7/30/2005	19:00:28	29.98	55.897	36.96	129.8	8.01	38	48.35	22.918	8.49	61.3	11.8	11.3
7/30/2005	19:30:28	30.01	55.875	36.94	133.6	8.25	38	48.32	22.898	8.49	91.3	11.4	11.3
7/30/2005	20:00:28	30.03	55.868	36.94	149.0	9.19	40	48.28	22.869	8.49	121.1	16.4	11.3
7/30/2005	20:30:28	30.03	55.868	36.94	143.2	8.83	39	48.22	22.828	8.48	112.7	25.3	11.3
7/30/2005	21:00:28	30.04	55.863	36.93	148.9	9.18	39	48.17	22.798	8.48	102.6	16.7	11.3
7/30/2005	21:30:28	30.04	55.780	36.87	141.1	8.71	38	48.16	22.792	8.48	92.3	13.0	11.3
7/30/2005	22:00:28	30.05	55.767	36.86	130.8	8.07	37	48.12	22.764	8.47	73.2	15.5	11.3
7/30/2005	22:30:28	30.04	55.775	36.87	116.7	7.20	36	48.12	22.761	8.46	34.1	15.0	11.3
7/30/2005	23:00:27	30.04	54.276	35.75	124.8	7.75	37	48.12	22.785	8.46	46.5	16.8	11.3
7/30/2005	23:30:28	30.04	55.780	36.87	114.7	7.08	36	48.14	22.775	8.45	29.8	18.0	11.3
7/31/2005	0:00:28	30.03	55.782	36.87	99.3	6.13	35	48.18	22.802	8.45	17.3	23.5	11.3
7/31/2005	0:30:28	30.03	55.771	36.87	89.5	5.53	33	48.21	22.822	8.43	7.3	17.7	11.3
7/31/2005	1:00:28	30.01	55.710	36.82	81.6	5.04	33	48.24	22.847	8.42	0.8	18.8	11.3
7/31/2005	1:30:28	30.02	55.767	36.86	86.4	5.33	33	48.31	22.893	8.45	-0.9	17.1	11.3
7/31/2005	2:00:28	30.00	55.797	36.89	87.3	5.39	33	48.38	22.939	8.45	-1.1	1256.0	11.3
7/31/2005	2:30:28	29.96	55.825	36.91	88.4	5.46	33	48.46	22.993	8.45	-1.1	13.3	11.3
7/31/2005	3:00:28	29.91	55.842	36.92	86.7	5.36	33	48.51	23.030	8.44	-1.1	15.3	11.3
7/31/2005	3:30:28	29.91	55.852	36.93	86.8	5.36	33	48.60	23.093	8.44	-1.3	15.0	11.3
7/31/2005	4:00:28	29.82	55.828	36.92	87.2	5.40	33	48.68	23.150	8.44	-1.3	18.1	11.3
7/31/2005	4:30:28	29.74	55.787	36.89	85.9	5.32	33	48.76	23.203	8.45	-1.3	12.7	11.3
7/31/2005	5:00:28	29.76	53.920	35.50	87.7	5.47	33	48.79	23.244	8.45	-1.3	16.7	11.3
7/31/2005	5:30:28	29.84	55.765	36.87	85.1	5.27	33	48.87	23.277	8.45	-1.3	25.0	11.3
7/31/2005	6:00:28	29.97	55.749	36.85	84.6	5.22	33	48.92	23.315	8.45	-1.4	16.1	11.3
7/31/2005	6:30:28	29.98	55.752	36.85	84.2	5.20	33	48.96	23.338	8.45	-1.3	15.1	11.3
7/31/2005	7:00:28	29.95	55.772	36.87	85.3	5.27	33	48.98	23.356	8.45	-1.3	21.3	11.3
7/31/2005	7:30:28	29.85	55.734	36.84	86.2	5.33	33	49.02	23.383	8.45	-1.5	16.7	11.3
7/31/2005	8:00:28	29.79	55.689	36.81	89.6	5.55	33	49.04	23.396	8.45	-1.3	16.7	11.3
7/31/2005	8:30:28	29.81	55.690	36.81	87.0	5.39	33	49.05	23.402	8.45	-1.5	14.9	11.3
7/31/2005	9:00:28	29.81	55.679	36.80	86.0	5.33	33	49.06	23.411	8.45	-1.5	13.5	11.3
7/31/2005	9:30:28	29.80	55.669	36.80	86.4	5.35	33	49.05	23.403	8.45	-1.4	13.6	11.3
7/31/2005	10:00:28	29.82	55.653	36.79	85.3	5.29	33	49.05	23.401	8.44	-1.6	30.5	11.3
7/31/2005	10:30:28	29.85	55.635	36.77	84.0	5.20	33	49.05	23.402	8.44	-1.7	12.7	11.3
7/31/2005	11:00:28	29.87	55.616	36.76	83.0	5.14	33	49.04	23.401	8.44	-1.5	14.6	11.3
7/31/2005	11:30:27	29.90	55.587	36.73	82.4	5.10	33	49.02	23.383	8.44	-1.1	32.3	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
7/31/2005	12:00:28	29.90	55.586	36.73	83.6	5.17	33	49.01	23.378	8.43	3.2	32.0	11.3
7/31/2005	12:30:28	29.92	55.583	36.73	86.8	5.37	33	48.97	23.352	8.43	11.1	31.9	11.3
7/31/2005	13:00:28	29.94	55.569	36.72	95.6	5.91	33	48.96	23.342	8.43	21.5	33.5	11.3
7/31/2005	13:30:28	29.94	55.541	36.70	107.5	6.65	35	48.95	23.334	8.44	42.2	32.7	11.3
7/31/2005	14:00:28	29.94	55.544	36.70	101.0	6.25	33	48.92	23.313	8.42	33.5	28.0	11.3
7/31/2005	14:30:28	29.93	54.298	35.77	114.3	7.11	36	48.88	23.307	8.43	51.2	38.0	11.3
7/31/2005	15:00:28	29.88	54.114	35.64	120.7	7.52	36	48.85	23.286	8.45	72.2	40.6	11.3
7/31/2005	15:30:28	29.83	54.205	35.71	125.3	7.81	37	48.83	23.268	8.46	85.8	43.2	11.3
7/31/2005	16:00:28	29.82	55.471	36.65	125.1	7.75	37	48.79	23.225	8.46	98.1	44.9	11.3
7/31/2005	16:30:28	29.80	55.491	36.66	127.1	7.88	37	48.73	23.183	8.47	112.6	45.8	11.3
7/31/2005	17:00:28	29.81	55.509	36.68	129.2	8.01	37	48.68	23.151	8.46	113.9	28.7	11.3
7/31/2005	17:30:28	29.82	55.539	36.70	132.9	8.23	37	48.63	23.118	8.46	121.4	34.1	11.3
7/31/2005	18:00:28	29.82	55.711	36.83	147.7	9.15	38	48.57	23.073	8.48	133.1	33.4	11.3
7/31/2005	18:30:28	29.83	55.602	36.75	144.5	8.95	38	48.53	23.045	8.48	130.1	37.4	11.3
7/31/2005	19:00:28	29.84	55.590	36.74	152.6	9.45	40	48.46	22.999	8.48	130.7	34.4	11.3
7/31/2005	19:30:28	29.86	55.590	36.74	159.3	9.87	40	48.40	22.959	8.47	138.4	31.8	11.3
7/31/2005	20:00:28	29.90	55.550	36.71	152.6	9.45	39	48.35	22.920	8.48	108.1	31.2	11.3
7/31/2005	20:30:28	29.90	55.534	36.69	153.1	9.47	40	48.29	22.883	8.46	112.6	32.9	11.3
7/31/2005	21:00:28	29.92	55.528	36.69	137.9	8.53	38	48.25	22.854	8.47	103.4	34.3	11.3
7/31/2005	21:30:28	29.92	55.521	36.68	135.7	8.40	38	48.20	22.822	8.46	88.7	1255.4	11.3
7/31/2005	22:00:28	29.95	55.503	36.67	131.7	8.15	38	48.15	22.786	8.46	72.7	38.6	11.3
7/31/2005	22:30:28	29.94	55.501	36.67	126.1	7.80	37	48.13	22.771	8.46	57.2	53.8	11.3
7/31/2005	23:00:27	29.96	55.493	36.66	120.4	7.45	36	48.12	22.763	8.46	42.1	48.7	11.3
7/31/2005	23:30:28	29.96	55.494	36.66	111.6	6.90	35	48.12	22.767	8.45	29.0	1255.6	11.3
8/1/2005	0:00:28	29.95	55.496	36.66	104.0	6.43	35	48.11	22.761	8.44	16.2	47.3	11.3
8/1/2005	0:30:28	29.96	55.488	36.66	96.6	5.97	33	48.13	22.771	8.44	6.6	25.5	11.3
8/1/2005	1:00:28	29.96	55.478	36.65	89.7	5.55	33	48.17	22.802	8.42	0.8	28.0	11.3
8/1/2005	1:30:28	29.96	55.477	36.65	87.1	5.38	33	48.22	22.836	8.42	-0.8	19.6	11.3
8/1/2005	2:00:28	30.00	55.309	36.52	83.9	5.19	33	48.29	22.886	8.44	-1.2	16.5	11.3
8/1/2005	2:30:28	29.98	55.346	36.55	85.1	5.27	33	48.36	22.936	8.44	-1.3	17.0	11.3
8/1/2005	3:00:28	29.97	55.348	36.55	87.3	5.40	33	48.41	22.970	8.44	-1.2	18.9	11.3
8/1/2005	3:30:28	29.95	55.375	36.57	87.8	5.43	33	48.50	23.028	8.44	-1.4	23.2	11.3
8/1/2005	4:00:28	29.92	55.426	36.61	86.5	5.36	33	48.57	23.077	8.44	-1.6	23.9	11.3
8/1/2005	4:30:28	29.90	55.497	36.67	85.8	5.31	33	48.64	23.125	8.44	-1.5	23.8	11.3
8/1/2005	5:00:28	29.86	55.574	36.72	86.2	5.34	33	48.72	23.177	8.44	-2.1	14.4	11.3
8/1/2005	5:30:28	29.75	55.598	36.75	88.4	5.48	33	48.80	23.230	8.44	-1.9	17.6	11.3
8/1/2005	6:00:28	29.70	55.702	36.83	87.4	5.42	33	48.86	23.272	8.45	-1.5	21.6	11.3
8/1/2005	6:30:28	29.67	55.624	36.77	88.5	5.50	33	48.90	23.300	8.45	-1.2	15.9	11.3
8/1/2005	7:00:28	29.61	55.605	36.76	88.3	5.49	33	48.95	23.331	8.45	-1.2	18.4	11.3
8/1/2005	7:30:28	29.59	55.563	36.73	86.3	5.37	33	49.01	23.374	8.44	-1.2	13.6	11.3
8/1/2005	8:00:28	29.60	55.577	36.74	85.6	5.32	33	49.02	23.383	8.45	-1.3	19.5	11.3
8/1/2005	8:30:28	29.61	55.568	36.73	85.0	5.29	33	49.05	23.405	8.44	-1.1	15.5	11.3
8/1/2005	9:00:28	29.53	55.575	36.74	87.8	5.46	33	49.07	23.417	8.45	-1.1	15.3	11.3
8/1/2005	9:30:28	29.51	55.634	36.78	87.0	5.41	33	49.08	23.420	8.45	-1.0	21.4	11.3
8/1/2005	10:00:28	29.56	55.692	36.82	86.9	5.40	33	49.11	23.438	8.45	-1.0	20.9	11.3
8/1/2005	10:30:28	29.60	55.714	36.84	86.2	5.36	33	49.10	23.433	8.45	-1.0	14.1	11.3
8/1/2005	11:00:28	29.60	55.735	36.85	83.7	5.20	33	49.10	23.437	8.44	-1.0	18.1	11.3
8/1/2005	11:30:27	29.69	55.781	36.89	83.1	5.15	33	49.09	23.429	8.44	-0.8	16.9	11.3
8/1/2005	12:00:28	29.75	55.807	36.90	84.6	5.24	33	49.07	23.417	8.44	3.6	18.1	11.3
8/1/2005	12:30:28	29.73	55.804	36.90	87.9	5.45	33	49.04	23.396	8.43	9.1	16.9	11.3
8/1/2005	13:00:28	29.75	55.795	36.89	98.7	6.12	33	49.02	23.380	8.44	30.6	18.6	11.3
8/1/2005	13:30:28	29.76	55.783	36.88	114.2	7.07	36	49.02	23.379	8.44	52.7	22.4	11.3
8/1/2005	14:00:28	29.75	55.750	36.86	129.4	8.02	37	49.01	23.372	8.44	61.9	23.3	11.3
8/1/2005	14:30:28	29.77	55.751	36.86	127.7	7.91	37	48.97	23.347	8.45	71.0	25.2	11.3
8/1/2005	15:00:28	29.81	55.775	36.88	129.3	8.00	37	48.93	23.316	8.45	75.5	25.7	11.3
8/1/2005	15:30:28	29.83	54.782	36.13	135.5	8.42	37	48.91	23.318	8.45	86.1	31.1	11.3
8/1/2005	16:00:28	29.84	55.742	36.85	143.6	8.89	39	48.87	23.276	8.45	95.5	26.4	11.3
8/1/2005	16:30:28	29.85	55.758	36.86	154.4	9.56	39	48.81	23.236	8.45	107.6	30.5	11.3
8/1/2005	17:00:28	29.87	55.779	36.88	153.3	9.48	39	48.80	23.229	8.46	116.6	31.1	11.3
8/1/2005	17:30:28	29.88	55.754	36.86	142.6	8.82	38	48.74	23.191	8.46	124.1	28.2	11.3
8/1/2005	18:00:28	29.90	54.507	35.93	157.3	9.78	40	48.70	23.178	8.45	127.7	28.7	11.3
8/1/2005	18:30:28	29.91	55.755	36.86	139.3	8.61	38	48.62	23.110	8.45	69.2	30.7	11.3
8/1/2005	19:00:28	29.93	55.755	36.86	141.2	8.73	38	48.58	23.078	8.46	122.7	33.1	11.3
8/1/2005	19:30:28	29.96	55.740	36.84	159.0	9.82	40	48.51	23.030	8.46	118.9	29.5	11.3
8/1/2005	20:00:28	29.98	55.737	36.84	167.2	10.33	41	48.44	22.985	8.45	117.1	34.4	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/1/2005	20:30:28	29.99	55.731	36.84	153.8	9.50	39	48.38	22.943	8.43	106.1	30.7	11.3
8/1/2005	21:00:28	30.02	55.730	36.84	155.5	9.60	40	48.33	22.905	8.45	95.0	27.9	11.3
8/1/2005	21:30:28	30.04	54.687	36.06	140.1	8.68	38	48.25	22.867	8.45	82.9	36.3	11.3
8/1/2005	22:00:28	30.05	55.735	36.84	140.4	8.66	39	48.22	22.830	8.45	70.5	34.1	11.3
8/1/2005	22:30:28	30.05	55.728	36.83	135.8	8.38	38	48.15	22.784	8.43	57.7	34.3	11.3
8/1/2005	23:00:27	30.06	55.712	36.82	122.6	7.56	37	48.14	22.781	8.44	43.4	42.7	11.3
8/1/2005	23:30:28	30.05	55.711	36.82	113.6	7.01	36	48.11	22.758	8.42	28.6	45.8	11.3
8/2/2005	0:00:28	30.05	55.703	36.81	97.9	6.04	33	48.11	22.755	8.41	15.9	45.1	11.3
8/2/2005	0:30:28	30.05	55.699	36.81	93.0	5.74	33	48.12	22.761	8.41	7.0	45.7	11.3
8/2/2005	1:00:28	30.00	55.564	36.71	74.3	4.59	33	48.11	22.761	8.38	0.5	41.0	11.3
8/2/2005	1:30:28	30.03	55.827	36.91	78.7	4.85	32	48.13	22.772	8.41	-0.6	47.1	11.3
8/2/2005	2:00:28	30.02	55.692	36.81	76.6	4.73	33	48.19	22.810	8.39	-0.8	46.6	11.3
8/2/2005	2:30:28	30.01	55.526	36.68	72.1	4.45	32	48.24	22.847	8.40	-0.9	51.5	11.3
8/2/2005	3:00:28	30.00	55.521	36.68	71.0	4.39	32	48.29	22.887	8.39	-1.0	55.1	11.3
8/2/2005	3:30:28	29.99	55.501	36.67	68.9	4.26	32	48.37	22.938	8.37	-1.0	58.0	11.3
8/2/2005	4:00:28	30.19	55.529	36.68	81.5	5.02	33	48.43	22.982	8.44	-1.3	31.4	11.3
8/2/2005	4:30:28	30.20	55.579	36.72	80.9	4.98	33	48.49	23.024	8.44	-1.4	27.4	11.3
8/2/2005	5:00:28	30.11	55.603	36.74	81.4	5.02	32	48.62	23.108	8.43	-1.2	33.3	11.3
8/2/2005	5:30:28	30.10	55.621	36.75	82.8	5.11	33	48.67	23.143	8.44	-1.2	27.2	11.3
8/2/2005	6:00:28	30.09	55.636	36.76	82.6	5.09	33	48.74	23.194	8.44	-1.1	29.4	11.3
8/2/2005	6:30:28	30.05	55.659	36.78	84.6	5.22	33	48.81	23.240	8.44	-1.6	30.6	11.3
8/2/2005	7:00:28	30.07	55.662	36.78	84.4	5.21	33	48.87	23.282	8.44	-1.4	33.0	11.3
8/2/2005	7:30:28	30.06	55.668	36.79	83.0	5.12	33	48.92	23.315	8.44	-1.2	23.1	11.3
8/2/2005	8:00:28	30.03	55.669	36.79	86.4	5.33	33	48.98	23.354	8.44	-1.3	27.2	11.3
8/2/2005	8:30:28	29.99	55.577	36.72	85.6	5.29	33	48.99	23.367	8.44	-1.1	31.8	11.3
8/2/2005	9:00:28	29.97	55.653	36.78	83.1	5.14	33	49.06	23.409	8.44	-1.2	24.4	11.3
8/2/2005	9:30:28	29.97	55.655	36.78	84.5	5.22	33	49.05	23.406	8.44	-1.2	31.2	11.3
8/2/2005	10:00:28	29.96	55.685	36.80	82.4	5.09	33	49.07	23.419	8.44	-1.2	29.0	11.3
8/2/2005	10:30:28	29.94	55.704	36.82	84.4	5.22	33	49.10	23.437	8.44	-1.3	28.0	11.3
8/2/2005	11:00:28	29.93	55.704	36.82	82.1	5.07	33	49.11	23.444	8.44	-1.4	46.7	11.3
8/2/2005	11:30:27	29.91	55.720	36.83	82.0	5.07	33	49.10	23.441	8.44	-1.1	32.2	11.3
8/2/2005	12:00:28	29.92	55.754	36.86	87.1	5.38	33	49.10	23.435	8.44	5.8	46.6	11.3
8/2/2005	12:30:28	29.92	55.738	36.84	95.4	5.90	33	49.10	23.437	8.45	15.2	41.3	11.3
8/2/2005	13:00:28	29.92	53.735	35.35	108.5	6.76	35	49.08	23.450	8.46	29.8	41.6	11.3
8/2/2005	13:30:28	29.92	53.851	35.44	114.8	7.15	36	49.06	23.435	8.47	38.6	43.9	11.3
8/2/2005	14:00:28	29.95	53.606	35.26	132.1	8.23	37	49.04	23.427	8.48	51.7	50.7	11.3
8/2/2005	14:30:28	29.95	55.698	36.81	145.8	9.01	39	49.04	23.395	8.49	68.6	56.0	11.3
8/2/2005	15:00:28	29.99	55.671	36.79	155.6	9.61	40	49.01	23.379	8.49	81.7	55.0	11.3
8/2/2005	15:30:28	30.00	55.673	36.79	145.0	8.96	39	48.97	23.352	8.49	98.1	56.2	11.3
8/2/2005	16:00:28	30.03	55.653	36.78	138.4	8.55	38	48.93	23.324	8.50	99.5	48.5	11.3
8/2/2005	16:30:28	30.03	55.665	36.79	135.3	8.35	38	48.90	23.305	8.46	57.9	1256.2	11.3
8/2/2005	17:00:28	30.04	55.655	36.78	138.9	8.57	38	48.86	23.276	8.47	54.3	61.4	11.3
8/2/2005	17:30:28	30.06	55.650	36.77	192.8	11.90	43	48.85	23.266	8.50	106.2	63.5	11.3
8/2/2005	18:00:28	30.06	55.648	36.77	180.4	11.13	42	48.79	23.230	8.50	119.9	48.2	11.3
8/2/2005	18:30:28	30.08	53.643	35.28	183.5	11.42	42	48.72	23.208	8.51	121.5	48.7	11.3
8/2/2005	19:00:28	30.11	53.851	35.43	187.8	11.66	43	48.68	23.174	8.51	117.6	46.9	11.3
8/2/2005	19:30:28	30.12	53.613	35.26	182.5	11.34	42	48.61	23.130	8.49	127.2	61.1	11.3
8/2/2005	20:00:28	30.17	53.941	35.50	220.5	13.68	46	48.56	23.088	8.49	123.4	55.9	11.3
8/2/2005	20:30:28	30.18	55.661	36.78	207.8	12.80	45	48.48	23.012	8.49	105.7	58.1	11.3
8/2/2005	21:00:28	30.20	55.656	36.77	211.5	13.02	45	48.42	22.972	8.51	103.0	61.2	11.3
8/2/2005	21:30:28	30.21	53.983	35.53	184.0	11.40	42	48.34	22.938	8.49	93.0	67.2	11.3
8/2/2005	22:00:28	30.22	54.257	35.73	158.1	9.79	40	48.28	22.891	8.48	85.9	43.3	11.3
8/2/2005	22:30:28	30.23	55.623	36.75	136.7	8.41	38	48.24	22.847	8.45	26.2	52.7	11.3
8/2/2005	23:00:27	30.22	55.639	36.76	115.4	7.11	36	48.18	22.811	8.44	26.1	58.9	11.3
8/2/2005	23:30:28	30.21	55.642	36.76	103.7	6.39	35	48.15	22.786	8.43	14.3	51.0	11.3
8/3/2005	0:00:28	30.21	55.645	36.77	101.6	6.26	35	48.13	22.773	8.44	12.2	46.8	11.3
8/3/2005	0:30:28	30.19	55.638	36.76	87.7	5.40	33	48.10	22.750	8.41	5.4	55.4	11.3
8/3/2005	1:00:28	30.20	55.634	36.76	76.4	4.71	32	48.09	22.743	8.41	0.6	60.5	11.3
8/3/2005	1:30:28	30.21	55.627	36.75	74.1	4.56	33	48.11	22.760	8.40	-0.7	42.3	11.3
8/3/2005	2:00:28	30.22	55.615	36.74	66.8	4.11	32	48.16	22.792	8.39	-0.8	43.6	11.3
8/3/2005	2:30:28	30.24	55.606	36.73	64.6	3.98	30	48.17	22.802	8.39	-0.9	53.7	11.3
8/3/2005	3:00:28	30.26	55.585	36.72	62.4	3.84	30	48.22	22.835	8.39	-1.0	56.5	11.3
8/3/2005	3:30:28	30.23	55.608	36.74	77.5	4.77	33	48.27	22.871	8.43	-0.9	1257.9	11.3
8/3/2005	4:00:28	30.22	55.596	36.73	80.1	4.93	33	48.34	22.919	8.43	-1.3	124.8	11.3
8/3/2005	4:30:28	30.24	55.568	36.71	77.8	4.79	33	48.42	22.975	8.44	-1.7	141.1	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/3/2005	5:00:28	30.26	55.563	36.70	76.5	4.71	32	48.49	23.024	8.44	-1.3	85.4	11.3
8/3/2005	5:30:28	30.28	55.540	36.68	83.0	5.11	33	48.57	23.078	8.44	-1.9	54.1	11.3
8/3/2005	6:00:28	30.31	55.546	36.69	80.8	4.97	33	48.64	23.127	8.44	-1.3	41.5	11.3
8/3/2005	6:30:28	30.32	55.529	36.67	81.7	5.03	33	48.71	23.172	8.44	-1.4	63.4	11.3
8/3/2005	7:00:28	30.27	55.569	36.71	80.6	4.96	33	48.77	23.214	8.44	-1.4	1258.3	11.3
8/3/2005	7:30:28	29.99	55.632	36.76	84.9	5.24	33	48.84	23.259	8.43	-1.4	46.9	11.3
8/3/2005	8:00:28	29.90	55.652	36.78	85.4	5.28	33	48.87	23.280	8.44	-1.3	48.6	11.3
8/3/2005	8:30:28	29.91	55.668	36.79	86.6	5.36	33	48.92	23.313	8.45	-1.3	50.2	11.3
8/3/2005	9:00:28	29.86	55.637	36.77	81.6	5.05	32	48.96	23.343	8.45	-1.7	32.0	11.3
8/3/2005	9:30:28	29.86	55.630	36.77	86.4	5.35	33	49.01	23.376	8.45	-1.4	32.4	11.3
8/3/2005	10:00:28	29.83	55.631	36.77	80.9	5.01	33	49.05	23.405	8.44	-1.5	34.7	11.3
8/3/2005	10:30:28	29.82	55.630	36.77	81.1	5.03	33	49.06	23.407	8.44	-1.4	32.7	11.3
8/3/2005	11:00:28	29.83	55.618	36.76	76.4	4.73	32	49.08	23.424	8.44	-1.4	35.5	11.3
8/3/2005	11:30:27	29.83	55.615	36.76	75.0	4.64	32	49.08	23.424	8.44	-1.1	1254.3	11.3
8/3/2005	12:00:28	29.83	55.631	36.77	80.4	4.98	32	49.08	23.421	8.43	5.4	27.5	11.3
8/3/2005	12:30:28	29.83	55.625	36.76	97.2	6.02	33	49.08	23.427	8.45	18.1	26.7	11.3
8/3/2005	13:00:28	29.85	55.623	36.76	121.0	7.49	36	49.07	23.418	8.47	27.3	41.0	11.3
8/3/2005	13:30:28	29.85	55.630	36.77	104.2	6.45	33	49.07	23.418	8.44	25.3	1254.5	11.3
8/3/2005	14:00:28	29.86	55.630	36.77	124.4	7.70	36	49.06	23.414	8.46	36.0	33.0	11.3
8/3/2005	14:30:28	29.87	55.633	36.77	179.9	11.13	41	49.04	23.398	8.48	33.5	1254.7	11.3
8/3/2005	15:00:28	29.85	55.635	36.77	108.3	6.70	35	49.01	23.379	8.45	23.0	63.1	11.3
8/3/2005	15:30:28	29.87	55.633	36.77	127.2	7.88	37	49.00	23.371	8.47	36.7	30.0	11.3
8/3/2005	16:00:28	29.92	55.614	36.75	178.1	11.02	41	48.99	23.361	8.51	97.3	57.7	11.3
8/3/2005	16:30:28	29.93	54.042	35.58	176.5	10.99	42	48.97	23.368	8.51	103.8	31.6	11.3
8/3/2005	17:00:28	29.97	55.627	36.76	189.0	11.68	42	48.93	23.323	8.51	106.7	52.3	11.3
8/3/2005	17:30:28	29.99	55.648	36.78	185.2	11.44	42	48.87	23.283	8.49	127.0	51.4	11.3
8/3/2005	18:00:28	30.05	55.647	36.77	202.5	12.50	44	48.84	23.264	8.53	116.5	53.4	11.3
8/3/2005	18:30:28	30.05	55.648	36.77	220.8	13.63	45	48.82	23.244	8.51	132.9	52.1	11.3
8/3/2005	19:00:28	30.09	55.643	36.77	201.0	12.40	43	48.76	23.207	8.52	137.7	54.0	11.3
8/3/2005	19:30:28	30.09	55.640	36.77	206.0	12.70	44	48.71	23.174	8.48	138.8	54.6	11.3
8/3/2005	20:00:28	30.11	55.661	36.78	232.5	14.33	47	48.65	23.132	8.47	62.7	55.9	11.3
8/3/2005	20:30:28	30.16	55.655	36.77	241.9	14.90	48	48.60	23.094	8.51	127.0	55.4	11.3
8/3/2005	21:00:28	30.16	55.644	36.77	178.5	11.00	42	48.52	23.042	8.47	60.9	56.5	11.3
8/3/2005	21:30:28	30.18	55.653	36.77	214.3	13.20	45	48.46	22.997	8.50	99.2	56.2	11.3
8/3/2005	22:00:28	30.18	55.638	36.76	177.6	10.94	41	48.40	22.961	8.49	78.4	54.5	11.3
8/3/2005	22:30:28	30.20	54.728	36.08	170.8	10.56	40	48.35	22.935	8.48	60.9	42.6	11.3
8/3/2005	23:00:27	30.19	55.640	36.76	141.1	8.69	38	48.29	22.881	8.46	44.8	57.6	11.3
8/3/2005	23:30:28	30.18	55.637	36.76	119.6	7.37	36	48.23	22.843	8.44	27.3	36.5	11.3
8/4/2005	0:00:28	30.20	55.613	36.74	103.2	6.35	35	48.21	22.831	8.42	14.7	55.0	11.3
8/4/2005	0:30:28	30.19	55.625	36.75	88.4	5.45	33	48.17	22.802	8.41	8.3	56.5	11.3
8/4/2005	1:00:28	30.19	55.614	36.74	75.3	4.64	32	48.17	22.804	8.39	1.0	52.9	11.3
8/4/2005	1:30:28	30.18	55.619	36.75	66.4	4.09	30	48.15	22.788	8.38	-0.4	62.0	11.3
8/4/2005	2:00:28	30.21	55.612	36.74	67.6	4.16	30	48.18	22.807	8.39	-0.6	58.1	11.3
8/4/2005	2:30:28	30.19	55.613	36.74	60.8	3.75	30	48.19	22.814	8.38	-0.7	45.5	11.3
8/4/2005	3:00:28	30.18	55.617	36.75	61.6	3.79	30	48.23	22.842	8.37	-0.8	63.4	11.3
8/4/2005	3:30:28	30.16	55.614	36.74	61.7	3.80	29	48.27	22.872	8.35	-1.0	39.0	11.3
8/4/2005	4:00:28	30.16	55.610	36.74	57.1	3.52	29	48.33	22.914	8.34	-0.9	64.3	11.3
8/4/2005	4:30:28	30.17	55.697	36.81	57.8	3.56	29	48.38	22.943	8.36	-1.1	36.9	11.3
8/4/2005	5:00:28	30.17	55.639	36.76	55.2	3.40	29	48.44	22.986	8.35	-1.1	50.5	11.3
8/4/2005	5:30:28	30.23	55.584	36.72	57.1	3.51	29	48.52	23.045	8.38	-1.5	38.5	11.3
8/4/2005	6:00:28	30.15	55.586	36.72	74.6	4.60	30	48.60	23.097	8.42	-1.3	49.2	11.3
8/4/2005	6:30:28	30.13	55.587	36.72	71.7	4.42	30	48.65	23.134	8.42	-1.2	49.3	11.3
8/4/2005	7:00:28	30.15	55.587	36.72	74.9	4.62	32	48.71	23.175	8.42	-1.2	35.0	11.3
8/4/2005	7:30:28	30.17	55.593	36.73	74.6	4.60	32	48.77	23.212	8.43	-1.2	33.0	11.3
8/4/2005	8:00:28	30.14	55.600	36.73	74.3	4.58	32	48.83	23.253	8.43	-1.2	32.7	11.3
8/4/2005	8:30:28	30.09	55.549	36.70	74.4	4.59	30	48.87	23.284	8.44	-1.2	31.8	11.3
8/4/2005	9:00:28	30.08	55.587	36.73	73.5	4.53	30	48.92	23.313	8.43	-1.2	32.8	11.3
8/4/2005	9:30:28	30.07	55.583	36.72	70.9	4.38	30	48.95	23.340	8.43	-1.3	33.6	11.3
8/4/2005	10:00:28	30.06	55.659	36.78	72.7	4.48	30	48.98	23.355	8.43	-1.2	9.4	11.3
8/4/2005	10:30:28	30.00	55.593	36.73	78.6	4.86	32	48.99	23.362	8.43	-1.2	18.4	11.3
8/4/2005	11:00:28	29.97	55.571	36.72	80.0	4.95	32	49.00	23.375	8.43	-1.2	16.2	11.3
8/4/2005	11:30:27	29.96	55.557	36.71	71.4	4.41	30	49.03	23.392	8.43	-1.0	20.6	11.3
8/4/2005	12:00:28	29.95	54.436	35.87	76.2	4.73	32	49.05	23.420	8.43	3.7	18.9	11.3
8/4/2005	12:30:28	29.95	53.828	35.42	91.8	5.72	33	49.06	23.435	8.45	12.2	21.4	11.3
8/4/2005	13:00:28	29.96	55.563	36.71	119.0	7.36	36	49.05	23.406	8.48	23.8	18.5	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/4/2005	13:30:28	29.98	55.557	36.71	141.9	8.77	38	49.03	23.394	8.49	37.4	26.2	11.3
8/4/2005	14:00:28	30.01	55.549	36.70	167.5	10.35	40	49.03	23.394	8.51	58.0	22.9	11.3
8/4/2005	14:30:28	30.04	55.549	36.70	158.8	9.81	40	49.01	23.379	8.52	64.3	25.3	11.3
8/4/2005	15:00:28	30.04	55.557	36.71	114.1	7.04	35	49.02	23.384	8.45	24.2	29.4	11.3
8/4/2005	15:30:28	30.02	55.557	36.71	126.2	7.79	36	49.00	23.370	8.48	35.1	22.8	11.3
8/4/2005	16:00:28	29.77	55.515	36.68	118.1	7.32	36	48.98	23.354	8.48	46.1	36.9	11.3
8/4/2005	16:30:28	29.80	55.508	36.68	160.2	9.93	39	48.99	23.360	8.54	95.9	27.3	11.3
8/4/2005	17:00:28	29.81	55.510	36.68	145.5	9.02	38	48.91	23.311	8.48	40.5	16.8	11.3
8/4/2005	17:30:28	29.83	55.522	36.69	186.8	11.58	42	48.86	23.273	8.52	66.2	31.5	11.3
8/4/2005	18:00:28	29.86	55.515	36.68	166.8	10.33	40	48.82	23.250	8.57	151.3	35.2	11.3
8/4/2005	18:30:28	29.91	55.517	36.68	197.2	12.20	43	48.81	23.243	8.60	133.2	16.8	11.3
8/4/2005	19:00:28	29.93	55.513	36.68	187.4	11.59	42	48.79	23.224	8.57	134.7	29.3	11.3
8/4/2005	19:30:28	29.93	55.519	36.68	156.7	9.70	39	48.72	23.182	8.53	120.1	23.5	11.3
8/4/2005	20:00:28	29.94	55.511	36.68	181.4	11.22	42	48.67	23.142	8.54	130.3	16.5	11.3
8/4/2005	20:30:28	29.92	55.528	36.69	148.2	9.17	38	48.64	23.123	8.52	113.9	23.9	11.3
8/4/2005	21:00:28	29.95	55.542	36.70	165.1	10.21	39	48.57	23.076	8.53	87.0	21.6	11.3
8/4/2005	21:30:28	29.99	55.548	36.70	170.3	10.53	41	48.50	23.028	8.52	59.7	26.7	11.3
8/4/2005	22:00:28	30.01	55.591	36.73	140.3	8.67	37	48.45	22.993	8.50	34.1	38.5	11.3
8/4/2005	22:30:28	30.01	55.734	36.84	88.3	5.45	25	48.37	22.938	8.47	43.4	1.4	11.3
8/4/2005	23:00:27	30.02	55.666	36.79	61.9	3.82	18	48.34	22.914	8.47	34.9	8.8	11.3
8/4/2005	23:30:28	30.01	55.668	36.79	51.6	3.19	17	48.27	22.870	8.46	24.2	0.5	11.3
8/5/2005	0:00:28	30.02	55.668	36.79	38.5	2.38	16	48.22	22.831	8.44	16.1	51.7	11.3
8/5/2005	0:30:28	30.03	55.669	36.79	33.3	2.05	16	48.18	22.809	8.43	8.0	0.3	11.3
8/5/2005	1:00:28	30.06	55.656	36.78	27.2	1.68	15	48.17	22.799	8.43	1.3	1.0	11.3
8/5/2005	1:30:28	30.07	55.652	36.78	24.0	1.48	14	48.15	22.787	8.42	-0.2	7.2	11.3
8/5/2005	2:00:28	30.09	55.641	36.77	23.1	1.42	14	48.13	22.775	8.41	-0.3	29.2	11.3
8/5/2005	2:30:28	30.12	55.637	36.76	22.1	1.36	13	48.15	22.788	8.41	-0.6	1.5	11.3
8/5/2005	3:00:28	30.13	55.636	36.76	23.5	1.45	14	48.19	22.812	8.42	-0.5	2.8	11.3
8/5/2005	3:30:28	30.14	55.596	36.73	24.8	1.53	14	48.21	22.830	8.42	-0.6	4.0	11.3
8/5/2005	4:00:28	30.12	55.654	36.77	23.8	1.46	14	48.21	22.827	8.43	-0.6	3.3	11.3
8/5/2005	4:30:28	30.10	55.655	36.78	23.2	1.43	13	48.27	22.869	8.42	-0.7	0.7	11.3
8/5/2005	5:00:28	30.10	55.660	36.78	24.1	1.48	14	48.36	22.927	8.42	-0.8	3.6	11.3
8/5/2005	5:30:28	30.09	55.682	36.80	27.0	1.66	15	48.42	22.972	8.42	-0.8	2.0	11.3
8/5/2005	6:00:28	30.11	55.693	36.80	26.4	1.62	15	48.47	23.003	8.43	-0.8	12.7	11.3
8/5/2005	6:30:28	30.12	55.725	36.83	24.9	1.53	15	48.52	23.041	8.43	-0.8	0.6	11.3
8/5/2005	7:00:28	30.12	55.706	36.81	25.0	1.54	14	48.59	23.086	8.42	-0.8	1.0	11.3
8/5/2005	7:30:28	30.15	55.698	36.81	25.7	1.59	14	48.65	23.131	8.43	-0.9	24.2	11.3
8/5/2005	8:00:28	30.08	55.663	36.78	28.3	1.75	15	48.70	23.166	8.43	-0.9	35.7	11.3
8/5/2005	8:30:28	30.05	55.674	36.79	28.5	1.76	15	48.77	23.211	8.43	-0.9	41.2	11.3
8/5/2005	9:00:28	30.01	55.646	36.77	29.2	1.80	15	48.82	23.246	8.43	-0.9	41.9	11.3
8/5/2005	9:30:28	29.99	55.641	36.77	30.3	1.87	15	48.87	23.282	8.43	-0.9	24.5	11.3
8/5/2005	10:00:28	29.99	55.640	36.77	28.7	1.77	15	48.91	23.307	8.44	-0.8	40.3	11.3
8/5/2005	10:30:28	29.99	55.630	36.76	27.8	1.72	15	48.94	23.329	8.43	-0.8	26.8	11.3
8/5/2005	11:00:28	29.97	55.622	36.76	27.9	1.73	15	48.97	23.350	8.42	-0.8	39.3	11.3
8/5/2005	11:30:27	29.92	55.578	36.73	29.8	1.84	15	49.01	23.375	8.43	-0.6	2.1	11.3
8/5/2005	12:00:28	29.88	55.562	36.71	31.2	1.93	15	49.00	23.370	8.43	2.7	4.0	11.3
8/5/2005	12:30:28	29.86	55.546	36.70	32.1	1.99	16	49.01	23.376	8.43	10.3	27.0	11.3
8/5/2005	13:00:28	29.86	55.536	36.70	35.4	2.19	16	49.03	23.388	8.44	17.0	38.8	11.3
8/5/2005	13:30:28	29.85	55.541	36.70	37.5	2.33	16	49.03	23.395	8.45	26.0	39.7	11.3
8/5/2005	14:00:28	29.80	55.604	36.75	45.3	2.81	17	49.02	23.381	8.45	35.2	26.0	11.3
8/5/2005	14:30:28	29.71	55.646	36.78	41.0	2.54	16	49.01	23.375	8.46	49.0	36.7	11.3
8/5/2005	15:00:28	29.58	55.638	36.78	50.4	3.13	17	49.00	23.370	8.48	78.8	43.2	11.3
8/5/2005	15:30:28	29.49	55.627	36.78	56.6	3.52	17	49.00	23.363	8.50	94.0	35.4	11.3
8/5/2005	16:00:28	29.45	55.635	36.78	64.4	4.02	17	49.00	23.369	8.49	66.4	36.3	11.3
8/5/2005	16:30:28	29.53	55.589	36.75	74.5	4.64	18	48.98	23.354	8.53	142.2	21.3	11.3
8/5/2005	17:00:28	29.57	55.571	36.73	52.8	3.29	17	48.95	23.333	8.49	144.3	6.8	11.3
8/5/2005	17:30:28	29.67	55.559	36.72	74.1	4.60	18	48.93	23.319	8.53	145.7	43.3	11.3
8/5/2005	18:00:28	29.70	55.549	36.71	60.3	3.75	18	48.97	23.351	8.50	147.3	17.5	11.3
8/5/2005	18:30:28	29.75	55.537	36.70	61.4	3.81	19	48.94	23.331	8.53	155.4	5.9	11.3
8/5/2005	19:00:28	29.81	55.522	36.69	62.0	3.85	18	48.92	23.318	8.55	157.6	37.6	11.3
8/5/2005	19:30:28	29.87	55.566	36.72	59.0	3.65	18	48.90	23.301	8.52	138.0	31.3	11.3
8/5/2005	20:00:28	29.91	55.633	36.77	48.7	3.01	18	48.87	23.278	8.52	117.2	34.1	11.3
8/5/2005	20:30:28	29.91	55.627	36.76	51.7	3.20	18	48.80	23.231	8.55	124.3	36.8	11.3
8/5/2005	21:00:28	29.94	55.642	36.77	60.7	3.75	19	48.76	23.203	8.57	132.8	36.3	11.3
8/5/2005	21:30:28	29.94	55.696	36.81	44.6	2.76	19	48.70	23.166	8.53	119.7	40.4	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/5/2005	22:00:28	29.88	55.700	36.82	48.2	2.98	18	48.66	23.133	8.53	92.0	20.6	11.3
8/5/2005	22:30:28	29.87	55.712	36.83	43.1	2.67	19	48.59	23.087	8.48	39.2	40.1	11.2
8/5/2005	23:00:27	29.91	55.726	36.84	48.2	2.98	19	48.52	23.042	8.48	35.8	44.8	11.3
8/5/2005	23:30:28	29.93	53.203	34.96	52.2	3.26	19	48.47	23.037	8.47	27.9	34.9	11.2
8/6/2005	0:00:28	29.92	55.734	36.84	47.8	2.95	19	48.44	22.985	8.46	21.2	39.1	11.3
8/6/2005	0:30:28	29.93	55.726	36.84	40.2	2.49	19	48.39	22.950	8.44	8.6	15.6	11.3
8/6/2005	1:00:28	29.91	55.708	36.82	34.5	2.13	19	48.35	22.922	8.43	1.1	34.5	11.3
8/6/2005	1:30:28	29.92	55.703	36.82	30.8	1.90	19	48.31	22.897	8.43	-0.1	16.6	11.3
8/6/2005	2:00:28	29.94	55.692	36.81	33.1	2.05	19	48.30	22.886	8.42	-0.3	8.9	11.3
8/6/2005	2:30:28	29.94	55.743	36.85	33.1	2.05	19	48.28	22.875	8.43	-0.6	1255.3	11.3
8/6/2005	3:00:28	29.93	55.676	36.80	32.4	2.01	19	48.30	22.890	8.43	-1.1	17.5	11.3
8/6/2005	3:30:28	29.92	55.667	36.79	34.0	2.10	21	48.32	22.899	8.43	-0.9	11.6	11.3
8/6/2005	4:00:28	29.85	55.691	36.81	31.7	1.96	21	48.35	22.918	8.42	-0.4	8.9	11.3
8/6/2005	4:30:28	29.88	55.628	36.76	30.9	1.91	21	48.36	22.931	8.42	-0.8	33.5	11.3
8/6/2005	5:00:28	29.86	55.615	36.75	30.4	1.88	21	48.40	22.959	8.40	-0.8	36.9	11.3
8/6/2005	5:30:28	29.83	36.898	23.23	31.7	2.11	21	48.44	23.212	8.39	-0.3	42.1	11.2
8/6/2005	6:00:28	29.86	55.676	36.80	29.0	1.80	21	48.48	23.012	8.40	-0.4	18.6	11.3
8/6/2005	6:30:28	29.90	55.635	36.77	28.5	1.76	21	48.55	23.060	8.38	-0.7	32.4	11.3
8/6/2005	7:00:28	29.87	55.664	36.79	28.9	1.79	21	48.59	23.085	8.38	-0.5	31.8	11.3
8/6/2005	7:30:28	29.86	55.645	36.78	31.4	1.95	21	48.63	23.112	8.40	-0.6	23.4	11.3
8/6/2005	8:00:28	29.91	55.637	36.77	27.3	1.69	21	48.71	23.167	8.37	-0.9	1255.0	11.3
8/6/2005	8:30:28	29.90	55.640	36.77	25.3	1.57	21	48.75	23.200	8.37	-1.2	32.6	11.3
8/6/2005	9:00:28	30.04	55.627	36.76	27.1	1.67	21	48.80	23.236	8.41	-1.0	22.8	11.3
8/6/2005	9:30:28	30.01	55.606	36.74	31.8	1.97	21	48.86	23.274	8.39	-0.9	1255.9	11.3
8/6/2005	10:00:28	30.05	55.633	36.76	36.7	2.27	21	48.89	23.292	8.42	-0.7	19.9	11.3
8/6/2005	10:30:28	30.00	39.495	25.04	37.6	2.48	22	48.90	23.501	8.42	-0.2	22.5	11.2
8/6/2005	11:00:28	30.02	55.586	36.73	36.8	2.27	22	48.94	23.328	8.42	-0.8	1255.9	11.3
8/6/2005	11:30:27	29.99	55.588	36.73	40.6	2.51	22	48.95	23.338	8.43	-0.7	101.3	11.3
8/6/2005	12:00:28	29.97	55.593	36.73	41.5	2.56	22	48.97	23.349	8.43	4.2	693.4	11.3
8/6/2005	12:30:28	29.97	55.603	36.74	47.1	2.91	22	48.98	23.360	8.45	16.7	104.3	11.3
8/6/2005	13:00:28	29.90	55.572	36.72	55.2	3.41	22	48.99	23.364	8.45	31.4	26.9	11.3
8/6/2005	13:30:28	29.78	37.151	23.40	58.5	3.90	23	48.98	23.585	8.47	54.8	20.3	11.2
8/6/2005	14:00:28	29.55	55.609	36.76	55.2	3.43	22	48.98	23.354	8.46	61.8	1251.8	11.3
8/6/2005	14:30:28	29.32	55.632	36.79	57.4	3.58	23	48.98	23.351	8.47	43.1	16.0	11.3
8/6/2005	15:00:28	29.39	55.621	36.78	71.5	4.46	25	48.96	23.340	8.50	57.9	1250.4	11.3
8/6/2005	15:30:28	29.35	55.622	36.78	71.5	4.46	23	48.97	23.345	8.50	71.8	22.6	11.3
8/6/2005	16:00:28	29.36	55.643	36.79	75.9	4.73	25	48.96	23.334	8.50	94.0	14.2	11.3
8/6/2005	16:30:28	29.42	55.670	36.81	72.1	4.50	23	48.95	23.334	8.50	83.2	15.2	11.3
8/6/2005	17:00:28	29.52	55.742	36.86	73.0	4.54	25	48.92	23.313	8.55	124.5	19.0	11.3
8/6/2005	17:30:28	29.52	55.737	36.86	61.6	3.83	23	48.90	23.295	8.50	119.7	1251.5	11.3
8/6/2005	18:00:28	29.50	55.717	36.84	67.7	4.21	23	48.88	23.282	8.51	116.4	28.3	11.3
8/6/2005	18:30:28	29.24	55.625	36.78	54.4	3.40	22	48.87	23.273	8.49	118.7	25.8	11.2
8/6/2005	19:00:28	29.11	55.583	36.76	66.8	4.19	23	48.85	23.260	8.51	119.0	1247.8	11.3
8/6/2005	19:30:28	29.22	55.534	36.72	60.2	3.77	22	48.83	23.248	8.49	123.0	25.8	11.3
8/6/2005	20:00:28	29.33	55.546	36.72	53.7	3.35	22	48.79	23.221	8.50	115.6	27.1	11.3
8/6/2005	20:30:28	29.29	55.643	36.80	55.1	3.44	22	48.75	23.193	8.50	49.2	13.4	11.2
8/6/2005	21:00:28	29.37	55.735	36.86	55.3	3.45	22	48.71	23.167	8.51	97.6	13.4	11.2
8/6/2005	21:30:28	29.44	55.785	36.90	58.5	3.64	23	48.67	23.137	8.48	35.3	1250.7	11.3
8/6/2005	22:00:28	29.59	55.838	36.93	55.4	3.44	22	48.64	23.118	8.49	67.2	11.9	11.3
8/6/2005	22:30:28	29.68	55.881	36.96	53.2	3.30	22	48.59	23.085	8.46	25.5	1252.9	11.3
8/6/2005	23:00:27	29.74	55.877	36.96	53.6	3.32	22	48.55	23.053	8.48	36.3	30.0	11.2
8/6/2005	23:30:28	29.69	37.286	23.50	51.1	3.41	22	48.49	23.241	8.46	26.8	30.5	11.2
8/7/2005	0:00:28	29.75	55.861	36.94	47.7	2.96	22	48.45	22.984	8.43	11.5	27.4	11.3
8/7/2005	0:30:28	29.71	55.851	36.94	42.0	2.60	22	48.40	22.954	8.40	4.4	32.5	11.3
8/7/2005	1:00:28	29.73	55.845	36.93	38.9	2.41	21	48.37	22.934	8.39	0.2	1253.3	11.2
8/7/2005	1:30:28	29.71	55.844	36.93	39.0	2.42	22	48.35	22.921	8.38	-0.7	1253.2	11.3
8/7/2005	2:00:28	29.71	55.851	36.94	36.4	2.25	21	48.33	22.906	8.37	-0.8	129.8	11.3
8/7/2005	2:30:28	29.71	55.847	36.93	35.9	2.23	21	48.32	22.898	8.37	-0.8	1253.2	11.2
8/7/2005	3:00:28	29.72	55.841	36.93	35.2	2.18	21	48.33	22.901	8.38	-0.7	1253.3	11.2
8/7/2005	3:30:28	29.72	55.847	36.93	36.3	2.25	21	48.32	22.897	8.37	-0.8	133.7	11.2
8/7/2005	4:00:28	29.74	55.846	36.93	33.5	2.07	21	48.33	22.904	8.38	-0.8	1253.4	11.3
8/7/2005	4:30:28	29.76	55.743	36.85	37.4	2.32	21	48.36	22.930	8.37	-0.9	1253.6	11.3
8/7/2005	5:00:28	29.73	55.733	36.85	34.5	2.14	21	48.38	22.941	8.36	-0.9	114.2	11.3
8/7/2005	5:30:28	29.70	55.645	36.78	38.5	2.39	21	48.41	22.962	8.39	-0.9	20.8	11.2
8/7/2005	6:00:28	29.66	55.652	36.79	44.5	2.76	22	48.44	22.982	8.43	-0.6	18.8	11.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/7/2005	6:30:28	29.69	55.668	36.80	43.6	2.71	22	48.49	23.016	8.43	-0.4	17.0	11.3
8/7/2005	7:00:28	29.86	55.876	36.95	47.3	2.93	22	48.53	23.041	8.44	-0.9	21.1	11.3
8/7/2005	7:30:28	29.91	55.879	36.95	48.0	2.96	22	48.59	23.082	8.44	-0.9	1255.0	11.3
8/7/2005	8:00:28	29.95	55.933	36.99	48.6	3.00	22	48.65	23.125	8.44	-0.9	104.4	11.2
8/7/2005	8:30:28	29.97	55.950	37.00	48.4	2.99	22	48.69	23.155	8.44	-0.9	33.5	11.3
8/7/2005	9:00:28	29.97	55.348	36.55	47.4	2.93	21	48.73	23.189	8.44	-0.9	38.7	11.3
8/7/2005	9:30:28	29.98	55.971	37.02	47.9	2.95	22	48.77	23.209	8.44	-1.0	27.5	11.3
8/7/2005	10:00:28	29.99	55.974	37.02	48.4	2.99	22	48.81	23.238	8.44	-1.4	36.5	11.3
8/7/2005	10:30:28	29.97	55.975	37.02	48.4	2.99	22	48.83	23.251	8.44	-1.0	13.1	11.2
8/7/2005	11:00:28	29.94	55.975	37.02	48.1	2.97	22	48.88	23.284	8.44	-1.0	47.0	11.2
8/7/2005	11:30:27	29.86	55.968	37.02	47.7	2.95	21	48.91	23.305	8.43	-0.9	1254.6	11.3
8/7/2005	12:00:28	29.75	55.936	37.00	48.0	2.97	22	48.91	23.304	8.43	3.4	9.0	11.2
8/7/2005	12:30:28	29.73	55.929	36.99	48.0	2.97	22	48.91	23.300	8.44	11.7	75.5	11.3
8/7/2005	13:00:28	29.71	55.905	36.98	49.7	3.08	22	48.90	23.299	8.45	22.4	1253.2	11.2
8/7/2005	13:30:28	29.65	55.897	36.97	54.9	3.41	22	48.92	23.310	8.46	35.2	78.0	11.2
8/7/2005	14:00:28	29.61	55.901	36.98	62.2	3.86	23	48.93	23.314	8.47	48.5	79.0	11.2
8/7/2005	14:30:28	29.61	55.888	36.97	66.0	4.10	23	48.93	23.319	8.47	64.8	1252.3	11.3
8/7/2005	15:00:28	29.66	55.856	36.94	62.8	3.90	23	48.92	23.312	8.48	74.4	1252.7	11.3
8/7/2005	15:30:28	29.68	55.811	36.91	71.6	4.44	23	48.92	23.311	8.50	80.6	138.7	11.2
8/7/2005	16:00:28	29.70	55.778	36.88	74.4	4.61	23	48.91	23.304	8.52	98.9	49.4	11.2
8/7/2005	16:30:28	29.72	55.759	36.87	64.5	4.00	23	48.92	23.310	8.51	107.3	1253.3	11.3
8/7/2005	17:00:28	29.70	55.877	36.96	79.8	4.95	25	48.90	23.298	8.55	127.2	14.7	11.2
8/7/2005	17:30:28	29.78	55.800	36.90	92.6	5.73	25	48.90	23.301	8.55	123.9	1253.8	11.2
8/7/2005	18:00:28	29.78	55.793	36.89	85.5	5.29	25	48.91	23.301	8.54	126.6	24.2	11.2
8/7/2005	18:30:28	29.76	55.833	36.92	87.5	5.42	25	48.88	23.285	8.54	126.7	41.0	11.3
8/7/2005	19:00:28	29.82	55.792	36.89	83.0	5.14	25	48.87	23.278	8.54	126.0	16.9	11.2
8/7/2005	19:30:28	29.85	55.766	36.87	87.3	5.40	25	48.87	23.276	8.53	122.8	35.0	11.2
8/7/2005	20:00:28	29.86	55.760	36.86	87.8	5.43	25	48.85	23.265	8.55	117.6	1254.6	11.2
8/7/2005	20:30:28	29.90	55.754	36.86	81.5	5.04	25	48.83	23.253	8.55	107.2	1254.9	11.2
8/7/2005	21:00:28	29.92	55.754	36.86	85.7	5.30	25	48.80	23.231	8.54	96.3	20.5	11.3
8/7/2005	21:30:28	29.92	55.769	36.87	81.9	5.07	25	48.78	23.219	8.53	87.1	21.4	11.3
8/7/2005	22:00:28	29.95	55.761	36.86	83.4	5.15	25	48.76	23.205	8.52	71.7	19.2	11.2
8/7/2005	22:30:28	29.94	55.759	36.86	71.9	4.44	25	48.72	23.179	8.47	56.4	1255.3	11.2
8/7/2005	23:00:27	29.94	55.751	36.85	64.7	4.00	23	48.68	23.152	8.45	43.6	33.0	11.2
8/7/2005	23:30:28	29.93	55.747	36.85	55.4	3.42	23	48.65	23.127	8.42	28.4	1255.2	11.2
8/8/2005	0:00:28	29.93	55.734	36.84	46.2	2.85	22	48.60	23.091	8.39	14.5	131.7	11.2
8/8/2005	0:30:28	29.92	55.755	36.86	42.8	2.64	22	48.58	23.081	8.40	6.2	54.1	11.3
8/8/2005	1:00:28	29.95	55.730	36.84	40.7	2.51	21	48.54	23.055	8.39	-0.1	1255.3	11.2
8/8/2005	1:30:28	29.98	55.711	36.82	38.0	2.35	22	48.52	23.036	8.38	-1.2	48.5	11.2
8/8/2005	2:00:28	29.97	55.706	36.82	36.1	2.23	22	48.50	23.028	8.36	-1.3	1255.5	11.2
8/8/2005	2:30:28	29.95	55.718	36.83	34.0	2.10	21	48.47	23.005	8.35	-1.4	40.1	11.2
8/8/2005	3:00:28	30.09	55.842	36.92	37.9	2.34	22	48.44	22.985	8.39	-1.4	1256.6	11.2
8/8/2005	3:30:28	30.13	55.803	36.89	41.5	2.56	22	48.45	22.991	8.41	-1.5	43.7	11.2
8/8/2005	4:00:28	30.13	55.803	36.89	41.9	2.58	21	48.50	23.022	8.42	-1.4	43.7	11.2
8/8/2005	4:30:28	30.16	55.763	36.86	42.6	2.62	22	48.47	23.002	8.41	-1.6	1257.2	11.2
8/8/2005	5:00:28	30.17	55.748	36.84	41.7	2.57	22	48.49	23.021	8.40	-1.7	53.1	11.2
8/8/2005	5:30:28	30.16	55.762	36.85	40.8	2.51	22	48.52	23.039	8.40	-1.7	43.2	11.2
8/8/2005	6:00:28	30.17	55.741	36.84	41.7	2.57	22	48.55	23.064	8.39	-1.6	1257.3	11.2
8/8/2005	6:30:28	30.14	55.762	36.85	39.7	2.45	21	48.57	23.074	8.38	-1.6	43.8	11.2
8/8/2005	7:00:28	30.13	55.772	36.86	38.4	2.37	22	48.60	23.095	8.39	-1.5	1257.0	11.2
8/8/2005	7:30:28	30.13	55.775	36.86	38.4	2.37	21	48.66	23.135	8.38	-1.4	1256.9	11.2
8/8/2005	8:00:28	30.16	55.740	36.84	38.8	2.39	22	48.68	23.148	8.37	-1.5	57.1	11.2
8/8/2005	8:30:28	30.11	55.733	36.83	41.7	2.57	22	48.73	23.182	8.39	-1.5	50.3	11.2
8/8/2005	9:00:28	29.98	55.841	36.92	44.2	2.73	22	48.75	23.192	8.41	-1.5	51.9	11.2
8/8/2005	9:30:28	29.96	55.859	36.93	43.7	2.70	22	48.78	23.218	8.41	-1.6	42.1	11.2
8/8/2005	10:00:28	29.94	55.850	36.93	43.9	2.71	22	48.82	23.241	8.41	-1.6	1255.3	11.2
8/8/2005	10:30:28	29.93	55.860	36.94	44.3	2.74	22	48.87	23.275	8.41	-1.7	63.5	11.2
8/8/2005	11:00:28	29.94	55.865	36.94	42.4	2.62	22	48.88	23.285	8.40	-1.7	38.0	11.2
8/8/2005	11:30:27	29.94	55.860	36.94	40.7	2.52	22	48.87	23.280	8.39	-1.7	1255.2	11.2
8/8/2005	12:00:28	29.94	55.892	36.96	40.8	2.52	22	48.91	23.302	8.39	2.8	47.9	11.2
8/8/2005	12:30:28	29.95	52.957	34.78	43.7	2.73	22	48.90	23.337	8.39	12.0	79.7	11.2
8/8/2005	13:00:28	29.96	55.810	36.90	47.0	2.90	22	48.90	23.301	8.39	22.1	65.1	11.2
8/8/2005	13:30:28	29.96	55.649	36.78	48.5	3.00	22	48.88	23.290	8.39	33.3	66.1	11.2
8/8/2005	14:00:28	30.00	55.779	36.87	55.0	3.39	23	48.89	23.292	8.41	46.7	1036.6	11.2
8/8/2005	14:30:28	30.04	55.699	36.81	66.1	4.08	23	48.88	23.288	8.43	59.2	48.5	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/8/2005	15:00:28	30.10	55.615	36.75	73.5	4.53	25	48.88	23.287	8.47	71.6	1256.7	11.2
8/8/2005	15:30:28	30.12	55.636	36.76	81.6	5.03	25	48.86	23.276	8.47	81.6	88.3	11.2
8/8/2005	16:00:28	30.14	55.583	36.72	77.3	4.76	25	48.87	23.286	8.49	92.0	1257.1	11.2
8/8/2005	16:30:28	30.16	55.563	36.71	78.9	4.86	25	48.85	23.271	8.50	100.3	63.8	11.2
8/8/2005	17:00:28	30.15	53.445	35.13	78.8	4.90	25	48.84	23.288	8.50	107.0	29.4	11.2
8/8/2005	17:30:28	30.12	53.225	34.97	80.6	5.02	25	48.85	23.297	8.49	112.7	31.2	11.2
8/8/2005	18:00:28	30.09	53.536	35.20	92.6	5.76	26	48.83	23.280	8.49	114.2	181.0	11.3
8/8/2005	18:30:28	30.14	53.767	35.37	83.7	5.20	25	48.83	23.277	8.49	115.4	1257.0	11.2
8/8/2005	19:00:28	30.11	55.509	36.67	83.6	5.16	25	48.83	23.258	8.48	113.9	58.0	11.2
8/8/2005	19:30:28	30.12	55.524	36.68	78.3	4.83	25	48.86	23.274	8.49	115.0	1256.8	11.2
8/8/2005	20:00:28	30.15	55.515	36.67	76.2	4.70	25	48.83	23.256	8.52	115.5	209.4	11.2
8/8/2005	20:30:28	30.14	55.480	36.64	78.3	4.83	25	48.83	23.258	8.50	104.7	1257.0	11.2
8/8/2005	21:00:28	30.14	55.490	36.65	78.9	4.87	25	48.82	23.253	8.50	92.2	1257.0	11.2
8/8/2005	21:30:28	30.15	55.520	36.67	78.5	4.84	25	48.81	23.244	8.50	79.6	1257.2	11.2
8/8/2005	22:00:28	30.13	53.042	34.83	74.3	4.63	25	48.79	23.260	8.48	67.4	298.3	11.2
8/8/2005	22:30:28	30.14	55.576	36.72	70.5	4.35	25	48.76	23.211	8.47	48.4	321.3	11.2
8/8/2005	23:00:27	30.12	55.593	36.73	62.2	3.83	23	48.77	23.211	8.47	38.2	87.2	11.3
8/8/2005	23:30:28	30.09	53.463	35.15	58.0	3.61	23	48.74	23.221	8.44	26.2	1256.5	11.2
8/9/2005	0:00:28	30.08	53.479	35.16	52.8	3.29	22	48.72	23.205	8.43	14.9	59.0	11.2
8/9/2005	0:30:28	30.08	55.610	36.74	47.2	2.91	22	48.67	23.145	8.42	5.1	1256.5	11.2
8/9/2005	1:00:28	30.06	55.622	36.75	46.3	2.86	22	48.65	23.132	8.42	-0.8	102.1	11.3
8/9/2005	1:30:28	30.07	55.603	36.74	42.6	2.63	22	48.66	23.140	8.42	-1.6	20.2	11.3
8/9/2005	2:00:28	30.05	55.620	36.75	43.2	2.66	22	48.64	23.121	8.40	-1.4	51.7	11.2
8/9/2005	2:30:28	30.09	55.590	36.73	40.5	2.50	22	48.60	23.096	8.39	-2.0	19.2	11.2
8/9/2005	3:00:28	30.10	55.562	36.71	42.1	2.59	22	48.58	23.086	8.38	-2.1	63.2	11.2
8/9/2005	3:30:28	30.08	55.570	36.71	40.5	2.50	22	48.59	23.093	8.37	-2.1	20.7	11.2
8/9/2005	4:00:28	30.09	55.559	36.70	34.7	2.14	22	48.58	23.082	8.35	-2.2	35.9	11.2
8/9/2005	4:30:28	30.03	34.241	21.38	36.4	2.44	22	48.58	23.345	8.36	-1.6	15.5	11.2
8/9/2005	5:00:28	30.07	55.568	36.71	35.9	2.22	22	48.58	23.087	8.37	-1.9	18.8	11.2
8/9/2005	5:30:28	30.10	55.540	36.69	33.9	2.09	21	48.61	23.107	8.35	-2.3	1256.6	11.2
8/9/2005	6:00:28	30.10	55.516	36.67	31.7	1.96	22	48.59	23.091	8.35	-2.3	43.3	11.2
8/9/2005	6:30:28	30.11	55.485	36.65	32.7	2.02	21	48.62	23.114	8.34	-2.3	38.5	11.2
8/9/2005	7:00:28	30.12	55.455	36.63	31.5	1.94	21	48.65	23.131	8.33	-2.4	27.2	11.2
8/9/2005	7:30:28	30.13	55.420	36.60	32.1	1.98	21	48.67	23.149	8.33	-2.4	39.9	11.2
8/9/2005	8:00:28	30.13	55.396	36.58	30.8	1.90	21	48.69	23.159	8.33	-1.3	37.3	11.2
8/9/2005	8:30:28	30.15	55.341	36.54	41.8	2.58	22	48.72	23.181	8.41	-1.8	37.6	11.2
8/9/2005	9:00:28	30.09	55.550	36.70	46.4	2.86	22	48.74	23.191	8.42	0.3	38.4	11.2
8/9/2005	9:30:28	30.10	55.873	36.94	43.2	2.66	22	48.77	23.213	8.42	-1.2	34.0	11.2
8/9/2005	10:00:28	30.09	55.684	36.80	46.2	2.85	22	48.79	23.229	8.42	-2.0	29.9	11.2
8/9/2005	10:30:28	30.08	55.695	36.81	43.8	2.70	22	48.79	23.229	8.42	-2.3	23.0	11.2
8/9/2005	11:00:28	30.07	55.680	36.80	45.0	2.77	22	48.82	23.250	8.41	-1.5	1256.4	11.2
8/9/2005	11:30:27	30.06	55.689	36.80	46.5	2.87	22	48.82	23.245	8.42	0.7	28.3	11.2
8/9/2005	12:00:28	30.04	55.663	36.78	46.7	2.88	22	48.84	23.260	8.41	1.2	1256.1	11.2
8/9/2005	12:30:28	30.01	52.397	34.36	49.0	3.06	23	48.83	23.297	8.43	7.8	41.0	11.2
8/9/2005	13:00:28	30.02	55.589	36.73	57.1	3.53	23	48.82	23.246	8.44	32.0	21.6	11.2
8/9/2005	13:30:28	29.99	55.628	36.76	54.8	3.39	23	48.81	23.240	8.44	18.0	19.4	11.3
8/9/2005	14:00:28	30.04	55.584	36.73	55.2	3.41	23	48.82	23.249	8.44	26.3	1256.1	11.2
8/9/2005	14:30:28	30.07	55.623	36.75	69.7	4.30	25	48.78	23.223	8.46	69.3	34.9	11.2
8/9/2005	15:00:28	30.07	55.621	36.75	71.8	4.43	25	48.76	23.206	8.48	77.6	34.7	11.2
8/9/2005	15:30:28	30.12	55.609	36.74	77.5	4.78	25	48.76	23.208	8.50	91.7	1256.8	11.2
8/9/2005	16:00:28	30.19	55.601	36.73	90.3	5.56	25	48.72	23.178	8.51	105.6	43.3	11.2
8/9/2005	16:30:28	30.16	55.633	36.76	79.9	4.93	25	48.74	23.190	8.50	114.3	23.4	11.2
8/9/2005	17:00:28	30.18	55.613	36.74	79.5	4.90	25	48.73	23.189	8.49	122.3	1257.4	11.2
8/9/2005	17:30:28	30.20	55.609	36.74	85.1	5.24	25	48.73	23.185	8.49	136.7	31.8	11.2
8/9/2005	18:00:28	30.24	55.612	36.74	93.6	5.76	25	48.71	23.173	8.52	134.7	1257.9	11.2
8/9/2005	18:30:28	30.27	55.615	36.74	84.3	5.18	25	48.70	23.167	8.51	126.8	33.3	11.2
8/9/2005	19:00:28	30.32	55.606	36.73	102.2	6.28	26	48.71	23.176	8.51	132.7	1258.6	11.2
8/9/2005	19:30:28	30.34	55.571	36.71	91.0	5.59	26	48.70	23.170	8.50	133.6	31.0	11.2
8/9/2005	20:00:28	30.39	55.592	36.72	92.5	5.68	26	48.72	23.185	8.53	127.2	1259.3	11.2
8/9/2005	20:30:28	30.39	55.603	36.73	91.2	5.60	25	48.73	23.188	8.50	122.4	1259.3	11.2
8/9/2005	21:00:28	30.36	55.583	36.71	94.0	5.77	26	48.70	23.167	8.51	102.4	65.4	11.2
8/9/2005	21:30:28	30.37	55.474	36.63	87.6	5.38	25	48.75	23.203	8.49	86.5	69.8	11.2
8/9/2005	22:00:28	30.38	55.453	36.62	88.4	5.43	25	48.73	23.188	8.49	75.2	58.1	11.2
8/9/2005	22:30:28	30.32	55.241	36.46	78.5	4.83	25	48.75	23.204	8.47	62.6	73.2	11.2
8/9/2005	23:00:27	30.33	52.971	34.77	72.6	4.51	25	48.72	23.214	8.47	43.5	37.1	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 μeinst/sec*m^2	Turbidity NTU	Battery volts
8/9/2005	23:30:28	30.32	55.542	36.68	63.4	3.90	25	48.71	23.178	8.45	27.4	36.0	11.2
8/10/2005	0:00:28	30.34	55.544	36.68	54.8	3.37	23	48.73	23.187	8.43	14.0	55.4	11.2
8/10/2005	0:30:28	30.34	55.537	36.68	49.7	3.06	22	48.70	23.171	8.42	4.8	34.4	11.2
8/10/2005	1:00:28	30.31	55.528	36.67	42.8	2.63	22	48.68	23.158	8.41	-1.6	51.3	11.2
8/10/2005	1:30:28	30.38	55.525	36.67	46.2	2.84	22	48.68	23.155	8.41	-2.5	47.9	11.2
8/10/2005	2:00:28	30.32	55.522	36.67	39.6	2.44	22	48.68	23.158	8.40	-2.0	44.7	11.2
8/10/2005	2:30:28	30.32	55.517	36.67	44.1	2.71	22	48.68	23.152	8.39	-2.6	51.0	11.2
8/10/2005	3:00:28	30.32	55.512	36.66	44.1	2.71	22	48.66	23.141	8.40	-2.8	46.6	11.2
8/10/2005	3:30:28	30.35	55.523	36.67	42.0	2.58	22	48.68	23.157	8.38	-2.7	56.6	11.2
8/10/2005	4:00:28	30.36	55.498	36.65	41.4	2.55	22	48.68	23.155	8.39	-2.6	54.8	11.2
8/10/2005	4:30:28	30.32	55.482	36.64	41.9	2.58	22	48.67	23.147	8.41	-3.0	38.0	11.2
8/10/2005	5:00:28	30.28	55.464	36.63	40.3	2.48	22	48.67	23.147	8.40	-3.1	33.8	11.2
8/10/2005	5:30:28	30.22	55.467	36.63	41.8	2.58	22	48.70	23.165	8.41	-2.9	32.7	11.2
8/10/2005	6:00:28	30.21	55.469	36.63	43.5	2.68	22	48.67	23.145	8.40	-2.8	50.7	11.2
8/10/2005	6:30:28	30.19	55.477	36.64	40.5	2.49	22	48.68	23.155	8.41	-2.9	49.5	11.2
8/10/2005	7:00:28	30.17	55.499	36.66	41.6	2.56	22	48.69	23.164	8.41	-2.8	43.2	11.2
8/10/2005	7:30:28	30.16	55.511	36.67	40.6	2.51	22	48.74	23.193	8.41	-3.1	47.8	11.2
8/10/2005	8:00:28	30.16	55.515	36.67	41.7	2.57	22	48.75	23.199	8.41	-3.2	53.1	11.2
8/10/2005	8:30:28	30.13	55.550	36.70	44.8	2.77	22	48.75	23.204	8.41	-3.2	44.4	11.2
8/10/2005	9:00:28	30.11	55.580	36.72	42.9	2.65	22	48.76	23.209	8.41	-2.9	52.6	11.2
8/10/2005	9:30:28	30.08	55.615	36.75	43.7	2.70	22	48.77	23.212	8.41	-2.7	54.7	11.2
8/10/2005	10:00:28	30.08	55.625	36.75	42.5	2.62	22	48.79	23.229	8.42	-2.7	44.0	11.2
8/10/2005	10:30:28	30.08	55.656	36.78	44.2	2.73	22	48.80	23.232	8.42	-2.8	1256.5	11.2
8/10/2005	11:00:28	30.02	55.712	36.82	47.8	2.95	22	48.82	23.249	8.42	-2.7	70.8	11.2
8/10/2005	11:30:27	29.98	55.736	36.84	46.4	2.87	22	48.83	23.255	8.42	-2.3	44.1	11.2
8/10/2005	12:00:28	29.96	55.733	36.84	42.8	2.64	22	48.83	23.251	8.42	1.4	55.3	11.2
8/10/2005	12:30:28	29.88	55.784	36.88	47.4	2.93	23	48.82	23.245	8.42	9.2	42.2	11.3
8/10/2005	13:00:28	29.92	55.750	36.85	53.5	3.30	23	48.79	23.227	8.42	18.5	63.9	11.2
8/10/2005	13:30:28	29.92	55.746	36.85	56.3	3.48	23	48.81	23.236	8.43	27.1	56.5	11.2
8/10/2005	14:00:28	29.93	55.741	36.85	63.7	3.94	25	48.80	23.229	8.43	42.7	72.8	11.2
8/10/2005	14:30:28	29.94	53.243	34.99	70.4	4.40	25	48.78	23.250	8.44	55.7	62.6	11.2
8/10/2005	15:00:28	29.97	55.743	36.85	78.2	4.83	25	48.74	23.190	8.46	67.3	67.7	11.2
8/10/2005	15:30:28	29.99	53.432	35.13	83.0	5.17	25	48.73	23.213	8.47	78.8	57.9	11.2
8/10/2005	16:00:28	30.02	52.656	34.55	88.1	5.51	25	48.71	23.211	8.49	87.3	62.2	11.2
8/10/2005	16:30:28	30.04	53.672	35.30	82.2	5.12	25	48.69	23.186	8.47	94.9	63.2	11.2
8/10/2005	17:00:28	30.00	53.745	35.36	85.6	5.33	25	48.68	23.177	8.48	100.8	61.0	11.3
8/10/2005	17:30:28	30.09	55.837	36.91	87.3	5.38	25	48.66	23.138	8.47	106.4	68.1	11.2
8/10/2005	18:00:28	30.11	55.770	36.86	91.2	5.62	26	48.65	23.130	8.47	100.5	68.9	11.2
8/10/2005	18:30:28	30.07	55.751	36.85	82.3	5.08	25	48.64	23.119	8.47	132.7	65.0	11.2
8/10/2005	19:00:28	30.12	55.711	36.82	84.8	5.23	25	48.65	23.131	8.47	109.0	81.7	11.2
8/10/2005	19:30:28	30.14	55.707	36.81	78.7	4.85	25	48.65	23.127	8.48	108.4	71.1	11.2
8/10/2005	20:00:28	30.15	55.695	36.80	71.3	4.39	25	48.65	23.127	8.46	101.9	68.4	11.2
8/10/2005	20:30:28	30.18	55.679	36.79	82.2	5.06	25	48.65	23.133	8.49	95.8	80.3	11.2
8/10/2005	21:00:28	30.15	55.494	36.65	66.9	4.12	25	48.67	23.145	8.45	41.3	75.2	11.2
8/10/2005	21:30:28	30.11	55.729	36.83	78.9	4.86	25	48.67	23.146	8.47	71.5	63.4	11.2
8/10/2005	22:00:28	30.15	55.696	36.81	76.9	4.74	25	48.68	23.154	8.46	60.9	69.3	11.2
8/10/2005	22:30:28	30.18	55.701	36.81	72.5	4.46	25	48.70	23.164	8.47	48.3	72.7	11.2
8/10/2005	23:00:27	30.16	55.698	36.81	65.7	4.05	25	48.72	23.182	8.45	34.3	69.8	11.2
8/10/2005	23:30:28	30.16	55.698	36.81	60.4	3.72	23	48.73	23.184	8.44	22.6	1257.2	11.2
8/11/2005	0:00:28	30.16	55.709	36.81	55.3	3.41	23	48.74	23.190	8.42	12.2	61.0	11.2
8/11/2005	0:30:28	30.12	55.738	36.84	50.9	3.14	23	48.75	23.201	8.42	4.4	58.4	11.2
8/11/2005	1:00:28	30.10	55.661	36.78	46.1	2.84	22	48.77	23.215	8.41	-1.1	62.7	11.2
8/11/2005	1:30:28	30.04	55.713	36.82	44.6	2.75	22	48.76	23.206	8.40	-1.8	59.3	11.2
8/11/2005	2:00:28	30.01	55.736	36.84	43.7	2.70	22	48.78	23.219	8.40	-1.9	32.6	11.2
8/11/2005	2:30:28	30.00	55.745	36.85	44.2	2.73	22	48.77	23.213	8.40	-2.0	1255.7	11.2
8/11/2005	3:00:28	30.00	55.747	36.85	43.8	2.70	22	48.78	23.215	8.40	-2.1	1255.7	11.2
8/11/2005	3:30:28	30.00	55.743	36.85	43.7	2.70	22	48.79	23.223	8.39	-2.1	72.6	11.2
8/11/2005	4:00:28	30.01	55.735	36.84	41.8	2.58	22	48.79	23.226	8.39	-2.2	1255.9	11.2
8/11/2005	4:30:28	30.01	55.733	36.84	40.8	2.52	22	48.79	23.222	8.39	-2.2	1255.8	11.2
8/11/2005	5:00:28	30.01	55.732	36.84	39.8	2.46	22	48.78	23.215	8.37	-2.2	117.7	11.2
8/11/2005	5:30:28	30.01	55.730	36.84	38.9	2.40	22	48.79	23.224	8.37	-2.2	1255.9	11.2
8/11/2005	6:00:28	30.01	55.731	36.84	38.4	2.37	22	48.79	23.228	8.37	-2.2	93.7	11.2
8/11/2005	6:30:28	30.02	55.733	36.84	37.7	2.33	22	48.79	23.223	8.36	-2.3	127.0	11.2
8/11/2005	7:00:28	30.02	55.733	36.84	36.0	2.22	21	48.80	23.231	8.36	-2.5	1255.9	11.2
8/11/2005	7:30:28	30.03	55.730	36.84	34.9	2.16	21	48.80	23.233	8.35	-2.3	99.3	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/11/2005	8:00:28	30.06	55.725	36.83	35.1	2.16	21	48.80	23.235	8.35	-2.2	37.1	11.2
8/11/2005	8:30:28	30.18	55.786	36.87	42.1	2.59	22	48.81	23.239	8.40	-2.3	1257.3	11.2
8/11/2005	9:00:28	30.13	55.809	36.89	44.4	2.74	22	48.84	23.260	8.41	-2.3	84.4	11.2
8/11/2005	9:30:28	30.07	55.822	36.90	42.2	2.60	22	48.85	23.268	8.41	-2.2	1256.4	11.2
8/11/2005	10:00:28	30.06	55.824	36.90	43.7	2.69	22	48.85	23.269	8.41	-2.2	92.0	11.2
8/11/2005	10:30:28	30.07	55.826	36.91	42.6	2.63	22	48.85	23.263	8.41	-2.4	1256.4	11.2
8/11/2005	11:00:28	30.05	55.820	36.90	44.4	2.74	22	48.85	23.265	8.41	-2.3	34.2	11.2
8/11/2005	11:30:27	29.99	55.802	36.89	44.4	2.74	22	48.84	23.261	8.41	-2.2	116.7	11.2
8/11/2005	12:00:28	29.94	55.798	36.89	45.4	2.80	22	48.82	23.244	8.41	0.9	1255.2	11.2
8/11/2005	12:30:28	29.94	55.793	36.88	46.5	2.87	22	48.83	23.248	8.41	3.3	114.6	11.2
8/11/2005	13:00:28	29.93	55.811	36.90	49.1	3.03	22	48.80	23.229	8.42	6.7	1255.1	11.2
8/11/2005	13:30:28	29.95	55.815	36.90	51.3	3.17	22	48.79	23.226	8.43	15.1	1255.3	11.2
8/11/2005	14:00:28	29.98	55.807	36.89	58.2	3.59	23	48.76	23.204	8.43	29.9	50.8	11.2
8/11/2005	14:30:28	29.98	55.809	36.90	58.5	3.61	23	48.73	23.183	8.43	28.5	119.0	11.2
8/11/2005	15:00:28	29.98	55.814	36.90	74.4	4.60	25	48.69	23.154	8.45	45.4	143.3	11.2
8/11/2005	15:30:28	30.01	55.792	36.88	78.6	4.85	25	48.68	23.146	8.45	65.2	1255.8	11.2
8/11/2005	16:00:28	30.06	55.778	36.87	86.9	5.36	25	48.64	23.124	8.49	84.8	1256.2	11.2
8/11/2005	16:30:28	30.06	55.777	36.87	79.4	4.90	25	48.63	23.112	8.48	91.7	161.5	11.2
8/11/2005	17:00:28	30.09	55.778	36.87	81.4	5.02	25	48.57	23.076	8.46	93.1	1256.5	11.2
8/11/2005	17:30:28	30.11	55.776	36.87	80.4	4.95	25	48.56	23.067	8.48	92.4	166.9	11.2
8/11/2005	18:00:28	30.13	55.787	36.87	91.5	5.63	25	48.55	23.063	8.48	102.8	1256.9	11.2
8/11/2005	18:30:28	30.12	55.785	36.87	94.4	5.82	26	48.53	23.045	8.45	104.2	152.6	11.2
8/11/2005	19:00:28	30.13	35.004	21.90	95.6	6.39	26	48.53	23.305	8.46	105.7	65.6	11.2
8/11/2005	19:30:28	30.16	55.779	36.87	83.0	5.11	25	48.51	23.035	8.47	101.7	1257.2	11.2
8/11/2005	20:00:28	30.17	55.755	36.85	82.4	5.07	25	48.53	23.046	8.46	102.7	1257.2	11.2
8/11/2005	20:30:28	30.18	55.746	36.84	88.1	5.43	25	48.53	23.048	8.48	92.8	178.6	11.2
8/11/2005	21:00:28	30.19	55.751	36.85	84.1	5.18	25	48.55	23.062	8.48	79.9	137.1	11.2
8/11/2005	21:30:28	30.20	55.748	36.84	88.6	5.45	25	48.55	23.061	8.48	74.8	1257.5	11.2
8/11/2005	22:00:28	30.19	55.751	36.85	80.6	4.96	25	48.57	23.077	8.47	54.8	166.7	11.2
8/11/2005	22:30:28	30.17	55.737	36.83	68.7	4.23	25	48.61	23.102	8.46	38.8	1257.3	11.2
8/11/2005	23:00:27	30.18	55.743	36.84	69.8	4.30	23	48.64	23.121	8.46	35.3	172.0	11.2
8/11/2005	23:30:28	30.16	55.747	36.84	64.4	3.97	23	48.67	23.142	8.44	24.7	1257.2	11.2
8/12/2005	0:00:28	30.13	55.689	36.80	59.4	3.66	23	48.69	23.160	8.43	15.7	88.6	11.2
8/12/2005	0:30:28	30.07	55.607	36.74	48.2	2.98	22	48.72	23.179	8.41	3.5	1256.4	11.2
8/12/2005	1:00:28	30.11	55.668	36.79	42.7	2.63	22	48.74	23.195	8.41	-1.3	54.5	11.2
8/12/2005	1:30:28	30.17	55.723	36.82	42.2	2.60	22	48.77	23.214	8.41	-2.0	1257.3	11.2
8/12/2005	2:00:28	30.20	55.755	36.85	40.8	2.51	22	48.81	23.238	8.41	-2.1	158.5	11.2
8/12/2005	2:30:28	30.17	55.759	36.85	37.4	2.31	21	48.83	23.251	8.41	-2.3	1257.3	11.2
8/12/2005	3:00:28	30.18	55.780	36.87	44.0	2.71	22	48.86	23.275	8.41	-1.7	132.0	11.2
8/12/2005	3:30:28	30.17	55.788	36.87	39.8	2.45	22	48.87	23.283	8.40	-2.6	1257.3	11.2
8/12/2005	4:00:28	30.13	55.787	36.87	36.9	2.27	21	48.89	23.295	8.39	-2.5	129.8	11.2
8/12/2005	4:30:28	30.15	55.771	36.86	36.0	2.22	21	48.91	23.305	8.40	-2.3	1257.1	11.2
8/12/2005	5:00:28	30.16	55.761	36.85	38.7	2.38	22	48.91	23.309	8.39	-2.1	130.0	11.2
8/12/2005	5:30:28	30.18	55.763	36.85	39.9	2.46	21	48.90	23.304	8.40	-1.7	1257.3	11.2
8/12/2005	6:00:28	30.19	55.782	36.87	36.0	2.21	21	48.91	23.309	8.38	-1.5	142.0	11.2
8/12/2005	6:30:28	30.20	55.787	36.87	36.4	2.24	21	48.91	23.310	8.39	-1.9	1257.5	11.2
8/12/2005	7:00:28	30.23	55.787	36.87	37.3	2.29	21	48.91	23.308	8.39	-1.9	139.4	11.2
8/12/2005	7:30:28	30.25	55.782	36.87	37.0	2.27	21	48.91	23.312	8.39	-1.9	1257.9	11.2
8/12/2005	8:00:28	30.27	55.791	36.87	37.0	2.27	21	48.91	23.310	8.40	-2.0	135.9	11.2
8/12/2005	8:30:28	30.30	55.789	36.87	38.9	2.39	21	48.93	23.323	8.40	-1.9	1258.4	11.2
8/12/2005	9:00:28	30.29	55.946	36.99	37.5	2.30	22	48.94	23.325	8.40	-1.9	127.5	11.2
8/12/2005	9:30:28	30.29	55.828	36.90	37.3	2.29	21	48.93	23.323	8.41	-0.3	1258.4	11.2
8/12/2005	10:00:28	30.29	55.818	36.89	41.8	2.57	22	48.93	23.321	8.41	0.9	124.1	11.2
8/12/2005	10:30:28	30.16	55.811	36.89	46.1	2.84	22	48.91	23.310	8.40	-1.9	1257.2	11.2
8/12/2005	11:00:28	30.08	55.176	36.42	43.5	2.69	21	48.90	23.306	8.41	-1.8	128.7	11.2
8/12/2005	11:30:27	30.08	55.808	36.89	43.6	2.69	21	48.89	23.296	8.40	-1.8	1256.4	11.2
8/12/2005	12:00:28	30.04	55.802	36.89	44.0	2.71	21	48.88	23.287	8.41	0.7	131.8	11.2
8/12/2005	12:30:28	29.97	55.793	36.88	46.1	2.85	22	48.88	23.283	8.41	6.9	1255.4	11.2
8/12/2005	13:00:28	29.92	55.810	36.90	51.5	3.18	22	48.84	23.261	8.43	19.0	174.6	11.2
8/12/2005	13:30:28	29.90	55.816	36.90	57.1	3.53	23	48.79	23.225	8.44	30.2	1254.8	11.2
8/12/2005	14:00:28	29.91	55.919	36.98	65.0	4.02	25	48.76	23.201	8.45	42.2	192.9	11.2
8/12/2005	14:30:28	29.92	55.986	37.03	63.1	3.90	23	48.72	23.174	8.45	52.7	1255.0	11.2
8/12/2005	15:00:28	29.95	56.110	37.12	70.9	4.37	25	48.71	23.164	8.48	65.2	171.8	11.2
8/12/2005	15:30:28	29.89	56.113	37.13	65.1	4.02	23	48.65	23.122	8.49	76.6	1254.7	11.2
8/12/2005	16:00:28	29.84	56.126	37.14	67.2	4.15	25	48.62	23.098	8.48	80.0	144.4	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
8/12/2005	16:30:28	29.82	56.109	37.13	72.1	4.46	23	48.56	23.063	8.48	92.0	1254.1	11.2
8/12/2005	17:00:28	29.88	56.088	37.11	103.6	6.40	26	48.53	23.039	8.53	101.3	150.7	11.2
8/12/2005	17:30:28	29.89	56.077	37.10	106.9	6.60	26	48.48	23.009	8.52	109.3	1254.7	11.2
8/12/2005	18:00:28	29.87	56.081	37.10	123.7	7.64	28	48.46	22.994	8.49	62.3	159.9	11.2
8/12/2005	18:30:28	29.90	56.069	37.09	116.8	7.21	26	48.43	22.970	8.52	109.1	1254.9	11.2
8/12/2005	19:00:28	29.88	56.041	37.07	112.7	6.96	26	48.40	22.952	8.50	105.2	168.8	11.2
8/12/2005	19:30:28	29.90	56.006	37.05	111.3	6.87	26	48.38	22.940	8.50	99.3	1254.9	11.2
8/12/2005	20:00:28	29.92	55.957	37.01	90.7	5.60	25	48.38	22.938	8.49	102.3	179.3	11.2
8/12/2005	20:30:28	29.96	55.945	37.00	105.2	6.50	26	48.37	22.935	8.50	95.2	1255.4	11.2
8/12/2005	21:00:28	29.95	55.602	36.74	99.5	6.15	25	48.40	22.957	8.47	84.9	187.1	11.2
8/12/2005	21:30:28	29.99	55.901	36.96	99.8	6.16	25	48.39	22.947	8.51	82.2	1255.6	11.2
8/12/2005	22:00:28	29.99	55.882	36.95	81.7	5.04	25	48.41	22.964	8.47	56.5	169.4	11.2
8/12/2005	22:30:28	30.03	55.853	36.93	93.6	5.77	25	48.43	22.978	8.46	54.3	1256.0	11.2
8/12/2005	23:00:27	30.03	56.056	37.08	73.9	4.55	25	48.47	23.000	8.44	40.1	120.7	11.2
8/12/2005	23:30:28	30.01	55.937	36.99	60.4	3.73	22	48.50	23.024	8.43	26.3	1255.9	11.2
8/13/2005	0:00:28	30.02	55.873	36.94	52.1	3.21	22	48.55	23.059	8.41	11.2	180.1	11.2
8/13/2005	0:30:28	30.01	55.847	36.92	43.2	2.67	21	48.60	23.093	8.37	4.8	1255.8	11.2
8/13/2005	1:00:28	29.99	55.874	36.94	32.6	2.01	21	48.66	23.136	8.34	-0.4	174.9	11.2
8/13/2005	1:30:28	30.00	55.835	36.91	29.0	1.79	21	48.70	23.158	8.35	-1.3	1255.7	11.2
8/13/2005	2:00:28	30.00	55.877	36.95	30.3	1.87	21	48.75	23.194	8.36	-1.5	169.0	11.2
8/13/2005	2:30:28	30.01	55.842	36.92	33.2	2.05	21	48.78	23.220	8.35	-2.1	1255.7	11.2
8/13/2005	3:00:28	30.07	55.806	36.89	35.1	2.17	21	48.82	23.245	8.38	-1.8	167.5	11.2
8/13/2005	3:30:28	30.07	55.815	36.90	38.4	2.37	21	48.86	23.270	8.39	-1.8	1256.4	11.2
8/13/2005	4:00:28	29.93	55.835	36.92	39.9	2.46	21	48.89	23.289	8.39	-2.1	172.9	11.2
8/13/2005	4:30:28	29.87	55.853	36.93	39.5	2.44	21	48.90	23.297	8.40	-2.2	1254.5	11.2
8/13/2005	5:00:28	29.79	55.893	36.97	37.8	2.34	21	48.92	23.312	8.39	-2.6	171.8	11.2
8/13/2005	5:30:28	29.73	55.951	37.01	42.9	2.66	21	48.94	23.326	8.41	-2.7	1253.3	11.2
8/13/2005	6:00:28	29.70	56.006	37.05	42.4	2.62	21	48.96	23.333	8.41	-2.7	156.7	11.2
8/13/2005	6:30:28	29.69	56.020	37.06	40.4	2.50	21	48.94	23.322	8.41	-2.6	1252.9	11.2
8/13/2005	7:00:28	29.70	56.013	37.06	38.0	2.35	21	48.94	23.325	8.41	-2.8	165.9	11.2
8/13/2005	7:30:28	29.69	56.002	37.05	38.2	2.37	21	48.93	23.318	8.40	-2.8	1252.9	11.2
8/13/2005	8:00:28	29.70	56.001	37.05	38.2	2.36	21	48.93	23.317	8.39	-2.8	172.4	11.2
8/13/2005	8:30:28	29.69	55.842	36.93	36.2	2.25	21	48.93	23.318	8.39	-2.8	1252.9	11.2
8/13/2005	9:00:28	29.70	55.998	37.05	37.6	2.33	21	48.91	23.304	8.38	-2.8	172.1	11.2
8/13/2005	9:30:28	29.73	55.989	37.04	36.7	2.27	21	48.92	23.308	8.38	-2.8	1253.2	11.2
8/13/2005	10:00:28	29.75	55.961	37.02	37.1	2.30	21	48.91	23.302	8.38	-2.7	178.2	11.2
8/13/2005	10:30:28	29.75	55.959	37.02	36.3	2.25	21	48.91	23.305	8.37	-3.2	1253.4	11.2
8/13/2005	11:00:28	29.74	55.971	37.03	35.5	2.20	21	48.92	23.306	8.36	-3.1	175.6	11.2
8/13/2005	11:30:27	29.76	55.966	37.02	35.4	2.19	21	48.88	23.285	8.35	-3.0	1253.6	11.2
8/13/2005	12:00:28	29.76	55.970	37.02	31.9	1.98	21	48.86	23.268	8.32	-0.6	1250.7	11.2
8/13/2005	12:30:28	29.77	52.447	34.40	36.9	2.32	22	48.82	23.286	8.35	5.0	1253.6	11.2
8/13/2005	13:00:28	29.77	55.970	37.02	40.6	2.51	21	48.82	23.240	8.34	14.2	949.3	11.2
8/13/2005	13:30:28	29.79	53.300	35.03	44.8	2.81	22	48.81	23.267	8.34	21.3	250.1	11.2
8/13/2005	14:00:28	29.95	56.070	37.09	60.2	3.71	23	48.78	23.213	8.41	37.0	1255.2	11.2
8/13/2005	14:30:28	29.96	55.870	36.94	62.8	3.88	23	48.73	23.185	8.44	48.0	212.8	11.2
8/13/2005	15:00:28	29.95	55.854	36.93	71.0	4.39	25	48.67	23.139	8.47	61.5	1255.2	11.2
8/13/2005	15:30:28	29.95	55.844	36.92	73.3	4.53	25	48.62	23.108	8.47	73.1	204.0	11.2
8/13/2005	16:00:28	29.95	55.827	36.91	77.3	4.78	25	48.58	23.077	8.47	81.3	1255.3	11.2
8/13/2005	16:30:28	29.95	53.044	34.84	80.2	5.01	25	48.53	23.082	8.45	85.9	200.8	11.2
8/13/2005	17:00:28	29.95	55.881	36.95	71.2	4.39	25	48.51	23.032	8.46	87.5	1255.3	11.2
8/13/2005	17:30:28	29.96	55.876	36.95	73.0	4.51	25	48.45	22.991	8.47	101.5	228.0	11.2
8/13/2005	18:00:28	29.86	55.872	36.95	75.3	4.66	25	48.39	22.949	8.46	63.1	1254.5	11.2
8/13/2005	18:30:28	29.78	55.873	36.95	65.7	4.07	23	48.34	22.914	8.44	49.2	221.8	11.2
8/13/2005	19:00:28	29.71	55.878	36.96	67.4	4.18	25	48.32	22.899	8.44	65.4	1253.1	11.2
8/13/2005	19:30:28	29.68	55.886	36.96	64.4	4.00	25	48.32	22.894	8.44	44.2	263.4	11.2
8/13/2005	20:00:28	29.68	55.874	36.96	71.5	4.44	25	48.31	22.890	8.47	85.1	1252.8	11.2
8/13/2005	20:30:28	29.70	52.238	34.25	70.6	4.44	25	48.27	22.910	8.48	74.7	227.2	11.2
8/13/2005	21:00:28	29.73	52.786	34.66	70.8	4.44	25	48.28	22.910	8.46	71.1	1253.2	11.2
8/13/2005	21:30:28	29.79	55.859	36.94	71.1	4.40	25	48.28	22.869	8.46	65.5	222.4	11.2
8/13/2005	22:00:28	29.79	55.868	36.95	65.9	4.08	25	48.30	22.887	8.46	55.6	1253.8	11.2
8/13/2005	22:30:28	29.85	55.880	36.95	59.7	3.70	23	48.34	22.912	8.45	43.8	253.0	11.2
8/13/2005	23:00:27	29.85	55.882	36.95	57.0	3.52	22	48.39	22.945	8.43	7.7	1254.3	11.2
8/13/2005	23:30:28	29.81	55.888	36.96	56.6	3.50	23	48.44	22.983	8.43	21.2	209.4	11.2
8/14/2005	0:00:28	29.77	55.921	36.99	54.8	3.39	23	48.48	23.008	8.43	10.7	1253.7	11.2
8/14/2005	0:30:28	29.79	55.927	36.99	51.0	3.16	22	48.54	23.047	8.42	2.9	188.1	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/14/2005	1:00:28	29.82	55.912	36.98	49.9	3.09	22	48.60	23.093	8.41	-2.3	1254.1	11.2
8/14/2005	1:30:28	29.84	55.895	36.97	48.3	2.99	22	48.68	23.143	8.41	-2.6	189.3	11.2
8/14/2005	2:00:28	29.84	55.886	36.96	46.3	2.86	22	48.75	23.197	8.41	-2.5	1254.2	11.2
8/14/2005	2:30:28	29.87	55.863	36.94	46.8	2.90	22	48.81	23.237	8.41	-2.6	22.8	11.2
8/14/2005	3:00:28	29.88	55.835	36.92	47.2	2.92	22	48.87	23.280	8.41	-2.6	37.6	11.2
8/14/2005	3:30:28	29.86	55.819	36.91	48.4	2.99	22	48.95	23.333	8.42	-2.4	15.1	11.2
8/14/2005	4:00:28	29.84	55.809	36.90	47.4	2.93	22	48.99	23.360	8.41	-2.5	61.7	11.2
8/14/2005	4:30:28	29.80	55.834	36.92	45.4	2.81	22	49.03	23.384	8.41	-2.6	27.5	11.2
8/14/2005	5:00:28	29.75	55.883	36.96	49.2	3.05	22	49.04	23.394	8.41	-2.8	52.7	11.2
8/14/2005	5:30:28	29.70	55.888	36.97	48.8	3.03	22	49.08	23.418	8.41	-3.0	34.5	11.2
8/14/2005	6:00:28	29.66	55.893	36.97	47.9	2.97	22	49.10	23.434	8.41	-3.7	35.6	11.2
8/14/2005	6:30:28	29.57	55.937	37.01	51.5	3.20	23	49.11	23.439	8.42	-3.6	33.5	11.2
8/14/2005	7:00:28	29.49	55.903	36.98	49.6	3.08	22	49.12	23.446	8.42	-3.4	20.4	11.2
8/14/2005	7:30:28	29.45	55.855	36.95	47.1	2.93	22	49.14	23.459	8.42	-3.3	1250.7	11.2
8/14/2005	8:00:28	29.42	55.810	36.92	47.8	2.98	22	49.13	23.451	8.42	-3.3	302.1	11.2
8/14/2005	8:30:28	29.42	55.772	36.89	48.9	3.05	22	49.13	23.455	8.42	-3.0	133.1	11.2
8/14/2005	9:00:28	29.39	55.752	36.87	50.3	3.13	22	49.13	23.451	8.43	-3.0	49.4	11.2
8/14/2005	9:30:28	29.34	55.734	36.86	47.6	2.97	21	49.11	23.438	8.42	-3.1	34.9	11.2
8/14/2005	10:00:28	29.33	55.713	36.85	44.5	2.78	21	49.07	23.415	8.42	-3.0	1249.7	11.2
8/14/2005	10:30:28	29.34	55.705	36.84	45.4	2.83	21	49.08	23.420	8.42	-3.0	214.1	11.2
8/14/2005	11:00:28	29.33	55.704	36.84	45.7	2.85	21	49.06	23.408	8.42	-3.0	1249.7	11.2
8/14/2005	11:30:27	29.31	55.694	36.83	46.2	2.88	21	49.05	23.396	8.42	-2.8	1249.5	11.2
8/14/2005	12:00:28	29.35	55.670	36.81	46.3	2.89	21	49.01	23.372	8.42	-0.4	196.5	11.2
8/14/2005	12:30:28	29.38	52.824	34.70	46.5	2.94	21	49.01	23.408	8.42	3.6	1250.1	11.2
8/14/2005	13:00:28	29.46	55.676	36.82	50.2	3.13	21	48.94	23.326	8.42	9.7	74.9	11.2
8/14/2005	13:30:28	29.49	55.678	36.82	57.2	3.56	21	48.93	23.316	8.44	22.2	1251.1	11.2
8/14/2005	14:00:28	29.48	55.679	36.82	60.4	3.76	22	48.91	23.301	8.44	29.7	46.6	11.2
8/14/2005	14:30:28	29.52	51.705	33.86	63.2	4.00	22	48.84	23.304	8.44	38.0	30.7	11.2
8/14/2005	15:00:28	29.58	55.638	36.78	80.2	4.99	23	48.79	23.224	8.47	57.6	26.5	11.2
8/14/2005	15:30:28	29.61	55.634	36.78	75.9	4.71	23	48.75	23.194	8.47	65.1	1252.2	11.2
8/14/2005	16:00:28	29.62	55.641	36.78	78.4	4.87	23	48.68	23.148	8.48	67.0	36.9	11.2
8/14/2005	16:30:28	29.63	55.633	36.78	71.6	4.45	23	48.62	23.108	8.46	59.3	1252.4	11.2
8/14/2005	17:00:28	29.66	55.942	37.01	74.1	4.59	23	48.57	23.068	8.47	60.8	36.4	11.2
8/14/2005	17:30:28	29.71	55.623	36.77	80.6	5.00	23	48.49	23.020	8.48	85.5	1253.1	11.2
8/14/2005	18:00:28	29.69	55.618	36.76	79.9	4.96	23	48.44	22.983	8.47	88.0	99.8	11.2
8/14/2005	18:30:28	29.68	55.621	36.77	87.7	5.44	25	48.38	22.940	8.46	88.8	28.5	11.2
8/14/2005	19:00:28	29.71	55.619	36.76	77.3	4.80	23	48.33	22.907	8.48	91.9	1253.1	11.2
8/14/2005	19:30:28	29.72	55.615	36.76	73.1	4.54	23	48.31	22.892	8.46	34.7	32.7	11.2
8/14/2005	20:00:28	29.71	55.631	36.77	60.3	3.74	22	48.26	22.861	8.42	15.1	1253.1	11.2
8/14/2005	20:30:28	29.74	55.624	36.77	72.1	4.47	23	48.21	22.826	8.48	77.2	42.6	11.2
8/14/2005	21:00:28	29.72	55.638	36.78	64.9	4.03	22	48.21	22.825	8.43	15.5	27.5	11.2
8/14/2005	21:30:28	29.75	51.395	33.63	72.8	4.59	23	48.19	22.863	8.47	57.5	1253.5	11.2
8/14/2005	22:00:28	29.75	55.636	36.77	71.9	4.46	23	48.22	22.834	8.46	47.6	36.7	11.2
8/14/2005	22:30:28	29.76	55.637	36.78	69.7	4.32	22	48.23	22.840	8.45	37.6	1253.5	11.2
8/14/2005	23:00:27	29.75	55.646	36.78	59.0	3.66	22	48.26	22.860	8.43	6.1	32.8	11.2
8/14/2005	23:30:28	29.75	55.646	36.78	53.7	3.33	21	48.31	22.896	8.41	-2.4	1253.5	11.2
8/15/2005	0:00:28	29.75	55.649	36.78	52.3	3.24	21	48.34	22.917	8.41	3.2	59.5	11.2
8/15/2005	0:30:28	29.74	55.646	36.78	47.2	2.93	21	48.42	22.968	8.39	-5.2	1253.4	11.2
8/15/2005	1:00:28	29.74	55.652	36.79	47.1	2.92	21	48.48	23.010	8.39	-7.2	1253.4	11.2
8/15/2005	1:30:28	29.74	55.606	36.75	47.6	2.95	21	48.55	23.063	8.38	-7.5	29.4	11.2
8/15/2005	2:00:28	29.74	55.646	36.78	40.9	2.54	21	48.66	23.132	8.35	-7.1	31.5	11.2
8/15/2005	2:30:28	29.74	55.700	36.82	38.6	2.39	21	48.72	23.175	8.35	-6.8	1253.3	11.2
8/15/2005	3:00:28	29.75	55.550	36.71	37.8	2.35	21	48.81	23.237	8.33	-6.8	48.6	11.2
8/15/2005	3:30:28	29.75	55.644	36.78	39.1	2.42	21	48.88	23.283	8.34	-6.5	1253.4	11.2
8/15/2005	4:00:28	29.74	55.643	36.78	35.1	2.18	21	48.96	23.338	8.33	-6.7	39.7	11.2
8/15/2005	4:30:28	29.75	55.637	36.78	33.8	2.10	21	49.01	23.374	8.32	-6.8	1253.5	11.2
8/15/2005	5:00:28	29.75	55.634	36.77	34.4	2.13	21	49.05	23.403	8.32	-6.7	42.9	11.2
8/15/2005	5:30:28	29.76	55.627	36.77	34.7	2.15	21	49.09	23.432	8.31	-6.6	1253.6	11.2
8/15/2005	6:00:28	29.76	55.629	36.77	34.6	2.15	21	49.14	23.463	8.32	-6.7	55.2	11.2
8/15/2005	6:30:28	30.12	19.739	11.68	44.2	3.12	21	49.16	23.922	8.39	-6.3	37.0	11.2
8/15/2005	7:00:28	30.18	55.600	36.73	45.6	2.81	21	49.23	23.529	8.40	-6.7	1257.3	11.2
8/15/2005	7:30:28	30.13	55.636	36.76	47.3	2.92	21	49.22	23.524	8.40	-6.6	1256.9	11.2
8/15/2005	8:00:28	30.08	55.686	36.80	48.8	3.01	21	49.22	23.525	8.41	-6.6	63.5	11.2
8/15/2005	8:30:28	29.99	55.707	36.82	48.7	3.01	21	49.23	23.531	8.41	-6.8	1255.6	11.2
8/15/2005	9:00:28	29.93	55.714	36.83	47.6	2.94	21	49.23	23.528	8.40	-6.8	24.4	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/15/2005	9:30:28	29.86	55.726	36.84	47.4	2.93	21	49.23	23.524	8.40	-6.8	26.0	11.2
8/15/2005	10:00:28	29.87	55.726	36.84	46.5	2.88	21	49.22	23.519	8.41	-6.0	25.0	11.2
8/15/2005	10:30:28	29.95	55.709	36.82	46.3	2.86	22	49.21	23.513	8.41	-6.0	23.7	11.2
8/15/2005	11:00:28	30.04	55.698	36.81	45.7	2.82	21	49.19	23.499	8.41	-6.6	25.2	11.2
8/15/2005	11:30:27	30.11	55.677	36.79	44.9	2.76	21	49.16	23.482	8.40	-6.8	23.8	11.2
8/15/2005	12:00:28	30.14	55.650	36.77	44.5	2.74	21	49.13	23.458	8.39	-4.6	25.0	11.2
8/15/2005	12:30:28	30.14	55.641	36.76	44.1	2.72	21	49.10	23.442	8.37	-2.6	51.3	11.2
8/15/2005	13:00:28	30.08	55.654	36.78	44.0	2.72	21	49.09	23.433	8.38	6.5	25.3	11.2
8/15/2005	13:30:28	30.13	55.635	36.76	44.4	2.73	22	49.05	23.407	8.38	4.5	31.6	11.1
8/15/2005	14:00:28	30.28	55.500	36.65	46.8	2.88	22	49.01	23.383	8.38	14.1	32.0	11.2
8/15/2005	14:30:28	30.29	55.445	36.61	57.8	3.56	22	48.94	23.337	8.39	32.8	31.8	11.2
8/15/2005	15:00:28	30.31	55.197	36.43	65.0	4.00	23	48.92	23.327	8.42	14.3	32.7	11.2
8/15/2005	15:30:28	30.24	55.220	36.45	55.9	3.45	22	48.88	23.294	8.42	15.1	31.3	11.1
8/15/2005	16:00:28	30.16	55.352	36.55	58.8	3.63	22	48.82	23.252	8.43	26.0	40.5	11.2
8/15/2005	16:30:28	30.13	55.430	36.61	55.7	3.44	22	48.75	23.202	8.42	14.2	40.0	11.2
8/15/2005	17:00:28	30.16	55.371	36.56	70.8	4.37	25	48.70	23.170	8.45	71.7	40.7	11.2
8/15/2005	17:30:28	30.19	55.332	36.53	81.1	5.00	25	48.61	23.107	8.45	68.0	35.8	11.2
8/15/2005	18:00:28	30.21	55.268	36.48	85.4	5.27	25	48.53	23.054	8.46	69.1	38.8	11.2
8/15/2005	18:30:28	30.15	55.273	36.49	69.9	4.31	23	48.46	23.006	8.44	68.1	1257.1	11.2
8/15/2005	19:00:28	30.16	55.250	36.47	73.9	4.56	25	48.41	22.969	8.46	70.2	44.6	11.2
8/15/2005	19:30:28	30.18	55.203	36.44	65.3	4.03	23	48.35	22.928	8.43	17.9	1257.3	11.2
8/15/2005	20:00:28	30.20	55.189	36.42	73.2	4.51	23	48.27	22.873	8.45	60.5	39.3	11.2
8/15/2005	20:30:28	30.19	55.287	36.50	69.6	4.29	23	48.19	22.821	8.44	41.3	38.5	11.2
8/15/2005	21:00:28	30.23	55.141	36.39	66.6	4.10	23	48.16	22.803	8.44	48.7	1257.8	11.2
8/15/2005	21:30:28	30.24	55.089	36.35	61.8	3.81	22	48.13	22.778	8.43	23.6	49.8	11.2
8/15/2005	22:00:28	30.28	55.006	36.29	63.1	3.89	23	48.12	22.773	8.42	16.0	40.8	11.2
8/15/2005	22:30:28	30.32	54.920	36.22	61.0	3.76	23	48.08	22.747	8.42	11.1	86.4	11.1
8/15/2005	23:00:27	30.31	21.100	12.55	58.7	4.12	23	48.10	23.161	8.42	9.3	36.2	11.1
8/15/2005	23:30:28	30.34	54.909	36.21	56.1	3.46	23	48.16	22.802	8.42	3.4	77.3	11.2
8/16/2005	0:00:28	30.33	54.913	36.21	54.0	3.33	23	48.17	22.811	8.40	-0.2	73.8	11.2
8/16/2005	0:30:28	30.37	54.893	36.20	50.7	3.13	22	48.19	22.829	8.38	-3.2	1259.0	11.2
8/16/2005	1:00:28	30.40	54.938	36.23	50.0	3.08	22	48.27	22.881	8.39	-5.7	32.7	11.2
8/16/2005	1:30:28	30.41	54.959	36.25	51.0	3.14	22	48.34	22.932	8.39	-6.1	44.1	11.2
8/16/2005	2:00:28	30.40	54.951	36.24	48.1	2.96	22	48.43	22.993	8.38	-6.2	25.3	11.2
8/16/2005	2:30:28	30.41	54.948	36.24	49.1	3.02	22	48.51	23.043	8.37	-6.3	28.7	11.2
8/16/2005	3:00:28	30.40	54.970	36.25	46.8	2.88	22	48.61	23.111	8.37	-6.4	35.9	11.2
8/16/2005	3:30:28	30.40	54.968	36.25	43.4	2.67	22	48.67	23.153	8.35	-6.5	33.5	11.2
8/16/2005	4:00:28	30.40	54.971	36.25	42.8	2.63	22	48.77	23.224	8.35	-6.6	41.7	11.2
8/16/2005	4:30:28	30.37	55.011	36.29	40.7	2.51	22	48.84	23.271	8.34	-6.8	24.0	11.2
8/16/2005	5:00:28	30.40	54.988	36.27	41.5	2.55	22	48.90	23.315	8.34	-6.7	31.5	11.2
8/16/2005	5:30:28	30.38	54.987	36.27	39.7	2.44	21	48.98	23.371	8.34	-6.8	40.0	11.2
8/16/2005	6:00:28	30.37	54.995	36.27	36.8	2.27	21	49.03	23.405	8.32	-6.8	32.2	11.2
8/16/2005	6:30:28	30.43	54.976	36.26	37.8	2.33	21	49.09	23.443	8.33	-6.8	42.6	11.2
8/16/2005	7:00:28	30.19	55.428	36.60	50.6	3.12	22	49.13	23.466	8.40	-6.8	16.2	11.2
8/16/2005	7:30:28	30.12	55.465	36.63	52.0	3.21	22	49.19	23.505	8.40	-6.8	39.0	11.2
8/16/2005	8:00:28	30.08	55.468	36.64	50.6	3.12	22	49.21	23.521	8.40	-6.7	67.5	11.1
8/16/2005	8:30:28	30.01	55.491	36.66	51.6	3.19	22	49.24	23.536	8.40	-6.6	58.1	11.1
8/16/2005	9:00:28	30.08	55.575	36.72	51.9	3.20	22	49.26	23.549	8.40	-6.5	46.8	11.2
8/16/2005	9:30:28	30.13	55.578	36.72	53.4	3.29	22	49.26	23.552	8.41	-6.5	55.1	11.1
8/16/2005	10:00:28	30.14	55.544	36.69	52.3	3.22	22	49.25	23.546	8.41	-6.4	37.5	11.1
8/16/2005	10:30:28	30.12	55.588	36.73	51.7	3.19	22	49.26	23.552	8.41	-6.4	60.9	11.2
8/16/2005	11:00:28	30.15	55.576	36.72	52.1	3.21	22	49.26	23.549	8.41	-6.3	34.7	11.1
8/16/2005	11:30:27	30.12	55.614	36.74	50.7	3.13	22	49.23	23.532	8.41	-6.3	29.7	11.2
8/16/2005	12:00:28	30.15	55.582	36.72	51.1	3.15	22	49.22	23.523	8.40	-3.9	60.9	11.1
8/16/2005	12:30:28	30.20	55.545	36.69	54.5	3.36	22	49.19	23.503	8.41	2.9	49.3	11.2
8/16/2005	13:00:28	30.21	55.549	36.69	58.0	3.57	22	49.16	23.486	8.41	10.0	55.7	11.2
8/16/2005	13:30:28	30.25	55.552	36.69	60.6	3.73	22	49.16	23.486	8.42	17.5	51.2	11.2
8/16/2005	14:00:28	30.30	55.545	36.69	65.2	4.01	23	49.13	23.463	8.43	25.4	54.1	11.2
8/16/2005	14:30:28	30.34	55.536	36.68	79.1	4.86	25	49.09	23.435	8.45	42.3	33.6	11.1
8/16/2005	15:00:28	30.33	55.559	36.70	72.8	4.47	25	49.08	23.427	8.44	44.6	50.9	11.1
8/16/2005	15:30:28	30.22	55.686	36.80	70.5	4.34	25	49.03	23.393	8.44	53.9	47.8	11.2
8/16/2005	16:00:28	30.20	55.693	36.80	71.6	4.41	25	48.97	23.349	8.46	52.1	59.8	11.2
8/16/2005	16:30:28	30.22	55.690	36.80	73.0	4.49	25	48.90	23.306	8.47	61.2	48.3	11.2
8/16/2005	17:00:28	30.24	55.716	36.82	71.9	4.42	25	48.88	23.287	8.46	64.8	51.0	11.2
8/16/2005	17:30:28	30.15	55.692	36.80	71.5	4.40	23	48.77	23.214	8.45	67.1	46.0	11.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/16/2005	18:00:28	30.04	55.556	36.70	83.1	5.13	25	48.70	23.167	8.46	69.9	61.2	11.1
8/16/2005	18:30:28	30.10	55.466	36.64	91.3	5.64	25	48.62	23.114	8.48	71.6	63.2	11.2
8/16/2005	19:00:28	30.16	55.409	36.59	96.1	5.93	26	48.55	23.063	8.47	72.2	63.8	11.1
8/16/2005	19:30:28	30.18	55.374	36.56	84.4	5.20	25	48.46	23.003	8.48	69.5	65.2	11.1
8/16/2005	20:00:28	30.23	55.278	36.49	85.0	5.24	25	48.41	22.969	8.47	67.4	66.4	11.1
8/16/2005	20:30:28	30.29	55.136	36.38	75.1	4.63	25	48.31	22.902	8.47	65.6	64.4	11.1
8/16/2005	21:00:28	30.36	55.074	36.33	80.4	4.95	25	48.26	22.870	8.47	53.2	72.5	11.1
8/16/2005	21:30:28	30.31	55.120	36.37	64.0	3.94	23	48.19	22.824	8.44	43.2	67.2	11.1
8/16/2005	22:00:28	30.22	55.200	36.43	71.6	4.42	25	48.15	22.793	8.44	42.4	50.2	11.2
8/16/2005	22:30:28	30.09	55.336	36.54	64.3	3.97	23	48.10	22.758	8.44	31.6	56.2	11.2
8/16/2005	23:00:27	29.99	55.438	36.62	58.0	3.59	22	48.11	22.761	8.42	5.1	52.9	11.1
8/16/2005	23:30:28	29.93	55.558	36.71	57.0	3.53	22	48.10	22.749	8.43	4.3	63.5	11.2
8/17/2005	0:00:28	29.90	55.586	36.73	58.5	3.62	23	48.11	22.759	8.43	6.3	44.6	11.2
8/17/2005	0:30:28	29.86	55.596	36.74	55.6	3.44	22	48.14	22.776	8.43	-1.3	41.0	11.2
8/17/2005	1:00:28	29.77	55.629	36.77	52.1	3.23	22	48.16	22.793	8.42	-4.9	44.6	11.2
8/17/2005	1:30:28	29.76	55.596	36.74	52.2	3.24	21	48.24	22.844	8.43	-5.3	39.3	11.2
8/17/2005	2:00:28	29.71	55.588	36.74	53.6	3.33	22	48.29	22.878	8.42	-5.4	36.2	11.2
8/17/2005	2:30:28	29.61	55.606	36.76	53.5	3.32	22	48.37	22.935	8.42	-5.5	32.2	11.1
8/17/2005	3:00:28	29.56	55.643	36.79	55.0	3.42	22	48.46	22.998	8.42	-5.5	23.1	11.1
8/17/2005	3:30:28	29.60	55.660	36.80	54.1	3.36	22	48.54	23.053	8.43	-5.6	43.0	11.2
8/17/2005	4:00:28	29.55	55.676	36.81	55.4	3.44	22	48.61	23.097	8.43	-5.5	44.2	11.2
8/17/2005	4:30:28	29.54	55.672	36.81	55.3	3.44	22	48.71	23.164	8.43	-5.5	25.5	11.2
8/17/2005	5:00:28	29.46	55.707	36.84	55.7	3.47	22	48.80	23.225	8.43	-5.5	30.0	11.2
8/17/2005	5:30:28	29.42	55.706	36.84	55.8	3.48	22	48.87	23.272	8.43	-5.4	29.6	11.1
8/17/2005	6:00:28	29.31	55.687	36.83	55.6	3.47	22	48.92	23.310	8.42	-5.5	37.2	11.1
8/17/2005	6:30:28	29.24	55.652	36.80	54.8	3.43	23	48.98	23.354	8.42	-5.5	43.4	11.1
8/17/2005	7:00:28	29.19	55.576	36.75	54.2	3.39	22	49.04	23.395	8.42	-5.4	42.2	11.1
8/17/2005	7:30:28	29.14	55.488	36.69	54.3	3.40	22	49.10	23.433	8.41	-5.4	44.6	11.2
8/17/2005	8:00:28	29.12	55.412	36.63	52.6	3.30	22	49.14	23.464	8.41	-5.3	55.2	11.1
8/17/2005	8:30:28	29.18	55.368	36.59	51.4	3.22	22	49.17	23.485	8.41	-5.4	77.9	11.2
8/17/2005	9:00:28	29.33	55.282	36.53	51.3	3.21	22	49.19	23.499	8.41	-5.5	32.3	11.1
8/17/2005	9:30:28	29.42	55.228	36.48	48.6	3.03	22	49.20	23.511	8.41	-5.5	38.0	11.1
8/17/2005	10:00:28	29.59	55.197	36.45	48.6	3.03	22	49.21	23.515	8.41	-5.7	36.9	11.1
8/17/2005	10:30:28	29.83	55.163	36.42	53.2	3.30	22	49.22	23.528	8.42	-5.8	27.2	11.2
8/17/2005	11:00:28	29.89	55.140	36.40	51.5	3.19	22	49.21	23.521	8.41	-6.0	25.9	11.2
8/17/2005	11:30:27	29.88	55.129	36.39	55.6	3.45	23	49.20	23.517	8.41	-5.9	16.7	11.2
8/17/2005	12:00:28	29.92	55.101	36.37	55.9	3.47	23	49.20	23.516	8.41	-3.9	23.6	11.1
8/17/2005	12:30:28	29.96	55.094	36.36	56.2	3.48	22	49.17	23.495	8.41	1.0	25.6	11.1
8/17/2005	13:00:28	29.99	55.070	36.34	56.9	3.52	23	49.16	23.490	8.42	6.7	21.3	11.2
8/17/2005	13:30:28	30.03	55.059	36.33	58.3	3.61	23	49.13	23.469	8.42	13.5	18.4	11.1
8/17/2005	14:00:28	30.08	53.626	35.27	59.9	3.73	23	49.12	23.478	8.43	21.2	22.8	11.1
8/17/2005	14:30:28	30.14	54.981	36.27	61.0	3.77	23	49.11	23.454	8.43	27.9	23.8	11.1
8/17/2005	15:00:28	30.14	55.011	36.29	63.2	3.91	23	49.06	23.423	8.43	35.4	16.6	11.1
8/17/2005	15:30:28	30.11	55.053	36.33	66.3	4.10	23	49.05	23.412	8.44	42.7	19.5	11.1
8/17/2005	16:00:28	30.13	55.070	36.34	65.1	4.02	23	48.99	23.375	8.45	48.1	23.3	11.2
8/17/2005	16:30:28	30.12	55.128	36.38	65.8	4.07	23	48.94	23.340	8.45	54.8	19.9	11.1
8/17/2005	17:00:28	29.97	55.259	36.49	62.2	3.85	23	48.90	23.306	8.44	58.5	12.9	11.1
8/17/2005	17:30:28	29.75	55.383	36.59	66.6	4.13	23	48.85	23.270	8.44	60.7	20.2	11.1
8/17/2005	18:00:28	29.77	55.467	36.65	74.3	4.61	25	48.77	23.215	8.47	66.1	26.9	11.2
8/17/2005	18:30:28	29.88	55.584	36.73	72.0	4.45	25	48.70	23.166	8.48	69.3	28.5	11.1
8/17/2005	19:00:28	29.88	55.628	36.76	67.7	4.19	25	48.62	23.111	8.46	73.0	32.1	11.1
8/17/2005	19:30:28	29.82	55.461	36.64	66.6	4.13	25	48.54	23.058	8.45	70.3	18.4	11.1
8/17/2005	20:00:28	29.76	55.760	36.87	70.1	4.34	25	48.46	22.995	8.46	60.6	27.8	11.2
8/17/2005	20:30:28	29.70	55.780	36.88	68.2	4.23	23	48.38	22.943	8.47	61.1	29.4	11.1
8/17/2005	21:00:28	29.65	55.764	36.87	76.4	4.74	25	48.31	22.895	8.47	57.2	30.4	11.2
8/17/2005	21:30:28	29.61	55.737	36.85	72.0	4.47	25	48.24	22.841	8.48	52.0	36.3	11.1
8/17/2005	22:00:28	29.65	55.759	36.87	69.2	4.29	25	48.17	22.792	8.47	45.3	31.1	11.1
8/17/2005	22:30:28	29.72	55.763	36.87	63.5	3.94	25	48.12	22.762	8.46	35.3	34.4	11.1
8/17/2005	23:00:27	29.80	55.725	36.84	62.6	3.88	23	48.06	22.719	8.46	27.5	29.8	11.1
8/17/2005	23:30:28	29.78	55.732	36.85	60.8	3.77	23	48.03	22.702	8.45	18.4	29.0	11.2
8/18/2005	0:00:28	29.82	55.724	36.84	59.5	3.68	23	48.03	22.701	8.44	7.8	40.6	11.2
8/18/2005	0:30:28	29.91	55.705	36.82	58.0	3.59	23	48.01	22.688	8.43	-0.3	35.0	11.1
8/18/2005	1:00:28	29.97	55.683	36.80	54.2	3.35	22	48.04	22.708	8.43	-4.6	31.3	11.1
8/18/2005	1:30:28	30.01	55.660	36.78	54.3	3.35	22	48.06	22.726	8.43	-5.1	26.0	11.1
8/18/2005	2:00:28	30.05	55.613	36.75	54.7	3.37	22	48.12	22.763	8.43	-5.4	33.0	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/18/2005	2:30:28	30.09	55.554	36.70	53.3	3.29	22	48.19	22.813	8.42	-5.4	36.3	11.1
8/18/2005	3:00:28	30.14	55.507	36.66	55.5	3.42	21	48.25	22.858	8.42	-5.4	51.9	11.1
8/18/2005	3:30:28	30.14	55.488	36.65	55.4	3.41	22	48.34	22.917	8.42	-5.5	34.5	11.1
8/18/2005	4:00:28	30.15	55.473	36.64	56.2	3.47	22	48.43	22.981	8.42	-5.5	38.9	11.2
8/18/2005	4:30:28	30.17	55.443	36.62	55.0	3.39	21	48.51	23.040	8.42	-5.3	38.5	11.1
8/18/2005	5:00:28	30.18	55.417	36.60	54.9	3.39	21	48.62	23.110	8.42	-5.3	37.9	11.1
8/18/2005	5:30:28	30.20	55.408	36.59	54.0	3.33	22	48.71	23.178	8.41	-5.4	53.8	11.1
8/18/2005	6:00:28	30.22	55.392	36.58	54.2	3.34	22	48.81	23.248	8.41	-5.3	62.7	11.1
8/18/2005	6:30:28	30.26	55.381	36.57	55.4	3.41	23	48.88	23.296	8.40	-7.1	32.0	11.1
8/18/2005	7:00:28	30.25	55.389	36.57	51.3	3.16	22	48.98	23.361	8.41	-6.2	54.2	11.1
8/18/2005	7:30:28	30.21	55.422	36.60	53.9	3.32	23	49.06	23.416	8.41	-6.4	48.4	11.1
8/18/2005	8:00:28	30.21	55.421	36.60	53.2	3.28	23	49.10	23.446	8.41	-6.5	81.6	11.1
8/18/2005	8:30:28	30.24	55.399	36.58	51.2	3.15	23	49.16	23.485	8.41	-6.6	65.6	11.2
8/18/2005	9:00:28	30.25	55.392	36.58	53.5	3.30	23	49.22	23.525	8.40	-6.8	64.2	11.1
8/18/2005	9:30:28	30.16	55.450	36.62	53.4	3.29	22	49.23	23.533	8.41	-6.6	57.8	11.1
8/18/2005	10:00:28	30.14	55.519	36.67	50.1	3.09	22	49.26	23.555	8.40	-6.6	42.7	11.1
8/18/2005	10:30:28	30.14	55.520	36.67	49.1	3.03	22	49.29	23.573	8.40	-6.3	57.8	11.1
8/18/2005	11:00:28	30.16	55.510	36.67	50.8	3.13	22	49.30	23.579	8.41	-5.7	78.0	11.1
8/18/2005	11:30:27	30.18	55.491	36.65	49.7	3.07	22	49.30	23.584	8.40	-5.4	44.4	11.1
8/18/2005	12:00:28	30.19	55.494	36.65	52.8	3.26	22	49.30	23.581	8.40	-2.7	61.8	11.1
8/18/2005	12:30:28	30.20	55.492	36.65	53.4	3.29	23	49.29	23.571	8.40	3.8	51.5	11.1
8/18/2005	13:00:28	30.20	55.496	36.65	56.3	3.47	22	49.27	23.558	8.41	12.5	83.1	11.1
8/18/2005	13:30:28	30.21	55.494	36.65	60.4	3.72	23	49.27	23.558	8.42	21.4	45.8	11.1
8/18/2005	14:00:28	30.26	55.452	36.62	67.8	4.18	23	49.26	23.551	8.44	31.0	438.2	11.1
8/18/2005	14:30:28	30.35	55.372	36.56	67.0	4.12	23	49.24	23.544	8.45	41.8	67.6	11.1
8/18/2005	15:00:28	30.38	55.387	36.57	71.2	4.37	23	49.23	23.534	8.47	49.1	52.4	11.1
8/18/2005	15:30:28	30.26	55.488	36.65	74.6	4.59	25	49.20	23.514	8.49	57.3	62.4	11.2
8/18/2005	16:00:28	30.28	55.510	36.66	76.4	4.70	25	49.17	23.495	8.50	65.9	44.1	11.1
8/18/2005	16:30:28	30.30	55.526	36.67	75.4	4.64	25	49.14	23.470	8.51	72.1	41.3	11.1
8/18/2005	17:00:28	30.33	55.520	36.67	79.1	4.86	25	49.12	23.456	8.52	76.7	58.9	11.1
8/18/2005	17:30:28	30.28	55.530	36.68	75.1	4.62	25	49.06	23.419	8.49	80.9	67.5	11.1
8/18/2005	18:00:28	30.29	55.557	36.70	83.5	5.13	25	49.02	23.385	8.52	82.9	58.1	11.1
8/18/2005	18:30:28	30.26	55.566	36.70	78.7	4.84	25	48.95	23.339	8.49	89.4	50.5	11.1
8/18/2005	19:00:28	30.27	55.567	36.70	82.8	5.09	25	48.89	23.297	8.50	85.4	33.5	11.1
8/18/2005	19:30:28	30.27	55.549	36.69	72.4	4.45	25	48.80	23.234	8.50	85.2	48.8	11.1
8/18/2005	20:00:28	30.23	55.568	36.71	73.0	4.49	23	48.73	23.187	8.46	87.3	101.0	11.1
8/18/2005	20:30:28	30.26	55.368	36.56	66.3	4.09	23	48.64	23.129	8.45	51.2	60.4	11.1
8/18/2005	21:00:28	30.26	55.569	36.71	75.2	4.63	25	48.56	23.068	8.47	43.7	52.5	11.1
8/18/2005	21:30:28	30.25	55.571	36.71	70.8	4.36	23	48.46	23.003	8.47	52.9	41.6	11.1
8/18/2005	22:00:28	30.27	55.579	36.71	77.9	4.79	25	48.39	22.951	8.50	54.5	43.7	11.1
8/18/2005	22:30:28	30.26	55.608	36.74	72.6	4.47	23	48.30	22.894	8.48	39.3	56.7	11.1
8/18/2005	23:00:27	30.28	55.625	36.75	63.0	3.88	23	48.23	22.843	8.44	27.8	49.3	11.1
8/18/2005	23:30:28	30.41	55.696	36.80	61.0	3.75	23	48.17	22.805	8.42	16.0	57.3	11.1
8/19/2005	0:00:28	30.42	55.752	36.84	57.0	3.50	22	48.12	22.764	8.41	6.7	51.3	11.1
8/19/2005	0:30:28	30.39	55.761	36.84	54.9	3.37	22	48.09	22.744	8.39	-0.7	53.6	11.1
8/19/2005	1:00:28	30.36	55.772	36.85	52.3	3.21	22	48.07	22.732	8.39	-3.8	56.1	11.1
8/19/2005	1:30:28	30.36	55.765	36.85	51.2	3.14	22	48.06	22.724	8.38	-4.2	46.6	11.1
8/19/2005	2:00:28	30.33	55.105	36.36	51.8	3.19	22	48.08	22.746	8.39	-4.3	101.9	11.1
8/19/2005	2:30:28	30.31	55.788	36.87	51.3	3.15	22	48.12	22.763	8.39	-4.4	69.4	11.1
8/19/2005	3:00:28	30.29	55.791	36.87	50.7	3.11	22	48.15	22.784	8.39	-4.5	45.7	11.1
8/19/2005	3:30:28	30.30	55.773	36.86	52.1	3.20	22	48.22	22.833	8.39	-4.5	44.9	11.1
8/19/2005	4:00:28	30.30	55.777	36.86	50.9	3.13	22	48.29	22.883	8.38	-4.4	48.8	11.1
8/19/2005	4:30:28	30.35	55.720	36.82	51.0	3.13	22	48.37	22.936	8.39	-4.6	59.6	11.1
8/19/2005	5:00:28	30.28	55.724	36.82	49.3	3.03	22	48.45	22.994	8.39	-4.4	44.6	11.1
8/19/2005	5:30:28	30.26	55.708	36.81	52.3	3.21	22	48.55	23.060	8.40	-4.3	49.8	11.1
8/19/2005	6:00:28	30.26	55.772	36.86	51.5	3.17	22	48.64	23.124	8.39	-4.2	45.0	11.1
8/19/2005	6:30:28	30.22	55.731	36.83	53.0	3.26	22	48.73	23.183	8.41	-4.1	28.3	11.1
8/19/2005	7:00:28	30.16	55.719	36.82	54.0	3.32	22	48.81	23.241	8.40	-3.7	23.4	11.1
8/19/2005	7:30:28	30.16	55.721	36.82	51.8	3.19	22	48.89	23.297	8.40	-4.0	15.3	11.1
8/19/2005	8:00:28	30.16	55.708	36.81	51.9	3.20	21	48.96	23.344	8.39	-4.0	49.3	11.1
8/19/2005	8:30:28	30.11	55.665	36.78	52.1	3.21	22	49.02	23.385	8.40	-4.1	59.6	11.1
8/19/2005	9:00:28	30.09	55.636	36.76	52.0	3.21	22	49.08	23.428	8.39	-4.2	25.2	11.1
8/19/2005	9:30:28	30.11	55.612	36.74	52.4	3.23	22	49.10	23.442	8.40	-4.4	27.1	11.1
8/19/2005	10:00:28	30.10	55.608	36.74	52.1	3.22	22	49.14	23.465	8.40	-4.4	25.5	11.1
8/19/2005	10:30:28	30.14	55.616	36.75	52.0	3.21	22	49.15	23.478	8.40	-4.6	25.7	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/19/2005	11:00:28	30.20	55.629	36.75	54.0	3.33	22	49.19	23.505	8.40	-4.5	28.0	11.1
8/19/2005	11:30:27	30.27	55.647	36.76	52.9	3.25	22	49.20	23.511	8.41	-4.5	27.5	11.1
8/19/2005	12:00:28	30.32	55.482	36.64	54.2	3.33	22	49.21	23.523	8.41	-1.8	28.8	11.1
8/19/2005	12:30:28	30.34	55.481	36.64	55.9	3.44	22	49.22	23.525	8.41	3.8	30.4	11.1
8/19/2005	13:00:28	30.43	55.451	36.61	59.2	3.64	23	49.20	23.514	8.42	14.7	33.2	11.1
8/19/2005	13:30:28	30.40	51.704	33.83	61.4	3.83	23	49.22	23.577	8.42	22.0	30.2	11.1
8/19/2005	14:00:28	30.43	55.598	36.72	64.8	3.98	23	49.21	23.519	8.43	28.5	30.8	11.1
8/19/2005	14:30:28	30.42	55.616	36.74	68.4	4.20	25	49.22	23.526	8.44	43.7	29.2	11.1
8/19/2005	15:00:28	30.35	55.609	36.73	68.2	4.19	25	49.20	23.515	8.45	53.2	26.4	11.1
8/19/2005	15:30:28	30.37	52.840	34.67	72.3	4.49	25	49.19	23.541	8.47	65.4	28.9	11.1
8/19/2005	16:00:28	30.47	55.567	36.70	78.4	4.81	25	49.21	23.520	8.51	71.6	38.5	11.1
8/19/2005	16:30:28	30.47	55.572	36.70	69.0	4.23	23	49.18	23.502	8.45	29.7	38.5	11.1
8/19/2005	17:00:28	30.51	55.562	36.69	75.3	4.62	25	49.17	23.495	8.50	81.9	35.2	11.1
8/19/2005	17:30:28	30.55	55.557	36.69	75.5	4.62	25	49.16	23.484	8.48	86.2	38.5	11.1
8/19/2005	18:00:28	30.53	55.555	36.69	74.3	4.55	25	49.12	23.460	8.48	87.4	37.3	11.1
8/19/2005	18:30:28	30.55	55.567	36.69	73.3	4.49	25	49.09	23.436	8.48	88.4	34.0	11.1
8/19/2005	19:00:28	30.57	55.557	36.69	75.1	4.60	25	49.04	23.405	8.49	89.7	39.9	11.1
8/19/2005	19:30:28	30.54	55.559	36.69	69.0	4.23	23	49.00	23.377	8.47	84.3	36.9	11.1
8/19/2005	20:00:28	30.55	55.550	36.68	69.0	4.23	25	48.96	23.347	8.47	80.6	44.1	11.1
8/19/2005	20:30:28	30.58	55.551	36.68	77.2	4.73	25	48.88	23.297	8.51	78.5	33.3	11.1
8/19/2005	21:00:28	30.56	55.561	36.69	76.0	4.66	25	48.81	23.247	8.52	74.9	37.1	11.1
8/19/2005	21:30:28	30.47	55.587	36.71	67.9	4.17	23	48.73	23.193	8.46	70.4	22.3	11.1
8/19/2005	22:00:28	30.44	55.598	36.72	71.0	4.35	23	48.67	23.145	8.47	51.7	22.2	11.1
8/19/2005	22:30:28	30.40	55.634	36.75	64.4	3.95	23	48.57	23.081	8.45	44.9	21.3	11.1
8/19/2005	23:00:27	30.38	55.653	36.76	65.2	4.00	23	48.50	23.026	8.45	30.0	23.0	11.1
8/19/2005	23:30:28	30.37	55.649	36.76	61.0	3.75	23	48.43	22.981	8.43	21.0	22.2	11.1
8/20/2005	0:00:28	30.34	55.649	36.76	57.4	3.53	23	48.37	22.937	8.41	9.4	22.8	11.1
8/20/2005	0:30:28	30.31	55.667	36.78	54.2	3.33	22	48.32	22.902	8.40	2.2	22.4	11.1
8/20/2005	1:00:28	30.34	55.645	36.76	53.2	3.27	23	48.28	22.875	8.39	-2.0	35.4	11.1
8/20/2005	1:30:28	30.32	55.635	36.75	52.5	3.23	22	48.27	22.869	8.39	-2.3	26.9	11.1
8/20/2005	2:00:28	30.33	55.638	36.76	52.5	3.23	22	48.26	22.862	8.40	-2.5	25.6	11.1
8/20/2005	2:30:28	30.30	55.655	36.77	53.1	3.27	23	48.27	22.868	8.41	-2.5	26.0	11.1
8/20/2005	3:00:28	30.33	55.642	36.76	53.4	3.28	22	48.28	22.876	8.41	-2.6	25.6	11.1
8/20/2005	3:30:28	30.43	55.627	36.74	53.3	3.27	22	48.33	22.911	8.41	-2.7	23.0	11.1
8/20/2005	4:00:28	30.44	55.619	36.74	53.5	3.28	22	48.36	22.935	8.40	-2.7	23.6	11.1
8/20/2005	4:30:28	30.39	55.626	36.74	53.9	3.31	22	48.40	22.959	8.41	-2.8	26.4	11.1
8/20/2005	5:00:28	30.33	55.664	36.78	54.2	3.33	23	48.46	23.004	8.41	-2.9	25.5	11.1
8/20/2005	5:30:28	30.30	55.678	36.79	54.1	3.33	23	48.52	23.039	8.41	-2.9	26.1	11.1
8/20/2005	6:00:28	30.28	55.685	36.79	54.2	3.33	22	48.59	23.090	8.41	-2.9	26.0	11.1
8/20/2005	6:30:28	30.25	55.706	36.81	53.0	3.26	22	48.66	23.139	8.39	-2.9	28.9	11.1
8/20/2005	7:00:28	30.24	55.697	36.80	53.4	3.29	22	48.75	23.197	8.41	-2.9	26.3	11.1
8/20/2005	7:30:28	30.27	55.674	36.78	53.3	3.28	22	48.82	23.245	8.41	-2.9	28.8	11.1
8/20/2005	8:00:28	30.27	55.667	36.78	53.8	3.31	22	48.88	23.291	8.41	-2.9	24.8	11.1
8/20/2005	8:30:28	30.30	55.649	36.76	52.8	3.25	22	48.93	23.328	8.40	-2.9	24.1	11.1
8/20/2005	9:00:28	30.29	55.572	36.71	54.0	3.32	23	48.99	23.364	8.41	-3.0	25.0	11.1
8/20/2005	9:30:28	30.28	55.630	36.75	54.3	3.34	22	49.03	23.392	8.41	-3.1	29.9	11.1
8/20/2005	10:00:28	30.27	55.639	36.76	54.2	3.33	23	49.06	23.413	8.41	-3.1	33.1	11.1
8/20/2005	10:30:28	30.32	55.632	36.75	53.8	3.31	22	49.08	23.428	8.41	-3.1	30.5	11.1
8/20/2005	11:00:28	30.36	55.635	36.75	54.1	3.32	23	49.08	23.429	8.41	-3.0	26.0	11.1
8/20/2005	11:30:27	30.42	55.549	36.69	53.2	3.27	23	49.11	23.448	8.40	-3.0	26.9	11.1
8/20/2005	12:00:28	30.49	55.609	36.73	53.8	3.30	22	49.10	23.443	8.40	-0.4	30.2	11.1
8/20/2005	12:30:28	30.49	51.477	33.66	56.0	3.49	23	49.09	23.493	8.41	6.3	29.6	11.1
8/20/2005	13:00:28	30.50	55.607	36.73	58.9	3.61	23	49.11	23.448	8.42	15.4	31.4	11.1
8/20/2005	13:30:28	30.53	55.595	36.72	61.3	3.75	23	49.11	23.449	8.43	25.6	33.0	11.1
8/20/2005	14:00:28	30.56	50.003	32.58	64.7	4.05	23	49.09	23.511	8.44	34.9	32.6	11.1
8/20/2005	14:30:28	30.49	50.509	32.95	65.2	4.08	23	49.08	23.496	8.44	47.5	29.1	11.1
8/20/2005	15:00:28	30.42	50.554	32.99	67.0	4.20	23	49.08	23.491	8.45	58.0	32.2	11.1
8/20/2005	15:30:28	30.33	50.838	33.20	66.7	4.18	23	49.10	23.501	8.46	65.6	31.1	11.1
8/20/2005	16:00:28	30.32	52.620	34.51	69.1	4.30	25	49.08	23.465	8.48	70.8	30.3	11.1
8/20/2005	16:30:28	30.31	52.587	34.49	69.6	4.33	25	49.06	23.456	8.50	77.4	28.5	11.1
8/20/2005	17:00:28	30.32	55.757	36.84	71.1	4.37	25	49.07	23.417	8.50	84.6	32.7	11.1
8/20/2005	17:30:28	30.31	55.705	36.81	67.7	4.16	25	49.05	23.410	8.48	89.1	32.7	11.1
8/20/2005	18:00:28	30.40	55.662	36.77	70.5	4.33	25	49.05	23.408	8.49	92.6	32.6	11.1
8/20/2005	18:30:28	30.58	55.520	36.66	70.8	4.33	25	49.02	23.388	8.49	90.2	36.2	11.1
8/20/2005	19:00:28	30.73	55.367	36.54	64.3	3.93	25	49.01	23.387	8.45	89.9	36.9	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/20/2005	19:30:28	30.76	55.314	36.50	63.1	3.85	25	49.00	23.383	8.45	87.6	35.0	11.1
8/20/2005	20:00:28	30.75	55.303	36.49	60.7	3.71	23	48.96	23.357	8.43	42.7	39.1	11.1
8/20/2005	20:30:28	30.77	55.375	36.54	63.3	3.86	25	48.94	23.337	8.45	77.6	39.1	11.1
8/20/2005	21:00:28	30.72	55.386	36.55	62.4	3.82	23	48.88	23.299	8.44	54.9	35.7	11.1
8/20/2005	21:30:28	30.68	55.423	36.58	64.1	3.92	23	48.83	23.260	8.46	71.1	25.2	11.1
8/20/2005	22:00:28	30.63	55.453	36.61	64.8	3.96	23	48.77	23.222	8.44	44.3	28.1	11.1
8/20/2005	22:30:28	30.57	55.489	36.63	60.7	3.72	23	48.69	23.167	8.43	40.7	27.5	11.1
8/20/2005	23:00:27	30.47	55.232	36.45	61.1	3.75	23	48.64	23.133	8.43	31.4	26.7	11.1
8/20/2005	23:30:28	30.41	55.596	36.72	57.6	3.54	23	48.58	23.083	8.42	19.5	29.0	11.1
8/21/2005	0:00:28	30.33	55.627	36.75	55.9	3.43	23	48.52	23.041	8.40	10.0	28.3	11.1
8/21/2005	0:30:28	30.24	55.680	36.79	54.0	3.32	22	48.46	23.002	8.40	3.7	29.8	11.1
8/21/2005	1:00:28	30.22	55.787	36.87	52.9	3.26	22	48.42	22.969	8.40	0.0	29.9	11.1
8/21/2005	1:30:28	30.21	55.684	36.79	52.0	3.20	22	48.37	22.938	8.39	-0.5	32.3	11.1
8/21/2005	2:00:28	30.20	55.679	36.79	51.9	3.20	23	48.35	22.926	8.39	-0.6	30.8	11.1
8/21/2005	2:30:28	30.20	55.671	36.78	52.6	3.24	23	48.35	22.923	8.40	-0.7	29.7	11.1
8/21/2005	3:00:28	30.18	55.673	36.79	53.0	3.26	22	48.32	22.902	8.40	-0.8	24.5	11.1
8/21/2005	3:30:28	30.14	55.688	36.80	52.3	3.22	22	48.31	22.897	8.40	-0.8	24.2	11.1
8/21/2005	4:00:28	29.94	55.704	36.82	52.7	3.26	22	48.35	22.918	8.39	-0.8	25.8	11.1
8/21/2005	4:30:28	29.86	55.693	36.81	53.1	3.29	23	48.33	22.910	8.39	-0.8	23.6	11.1
8/21/2005	5:00:28	29.88	55.700	36.82	52.1	3.23	22	48.39	22.946	8.40	-0.8	23.3	11.1
8/21/2005	5:30:28	29.91	55.569	36.72	52.1	3.23	22	48.42	22.974	8.40	-0.8	24.7	11.1
8/21/2005	6:00:28	29.92	55.684	36.80	52.7	3.26	22	48.48	23.011	8.39	-0.8	23.0	11.1
8/21/2005	6:30:28	29.94	55.688	36.81	52.5	3.25	22	48.53	23.047	8.39	-1.5	19.7	11.1
8/21/2005	7:00:28	29.93	55.699	36.82	53.3	3.30	23	48.59	23.086	8.41	-1.1	22.7	11.1
8/21/2005	7:30:28	29.89	55.709	36.82	52.8	3.27	22	48.66	23.131	8.40	-1.0	23.6	11.1
8/21/2005	8:00:28	29.85	55.769	36.87	53.5	3.31	22	48.69	23.154	8.41	-1.0	23.2	11.1
8/21/2005	8:30:28	29.80	55.752	36.86	53.4	3.31	22	48.76	23.205	8.40	-0.9	21.7	11.1
8/21/2005	9:00:28	29.80	55.736	36.85	52.8	3.27	22	48.81	23.236	8.40	-0.9	21.1	11.1
8/21/2005	9:30:28	29.80	55.734	36.85	52.2	3.23	22	48.84	23.257	8.40	-0.9	22.5	11.1
8/21/2005	10:00:28	29.79	55.740	36.85	52.7	3.27	22	48.85	23.268	8.40	-2.1	18.5	11.1
8/21/2005	10:30:28	29.83	55.728	36.84	52.3	3.24	22	48.86	23.270	8.40	-2.6	18.4	11.1
8/21/2005	11:00:28	29.81	55.681	36.81	52.8	3.27	22	48.92	23.310	8.40	-4.6	18.8	11.1
8/21/2005	11:30:27	29.76	55.757	36.86	53.7	3.33	23	48.91	23.307	8.41	-4.0	20.5	11.1
8/21/2005	12:00:28	29.78	55.744	36.85	53.6	3.32	22	48.92	23.313	8.41	-0.9	19.4	11.1
8/21/2005	12:30:28	29.75	55.752	36.86	55.0	3.41	22	48.92	23.312	8.41	6.6	22.6	11.1
8/21/2005	13:00:28	29.77	55.753	36.86	56.9	3.52	22	48.91	23.306	8.42	15.2	21.0	11.1
8/21/2005	13:30:28	29.78	53.392	35.10	59.0	3.69	23	48.91	23.334	8.43	25.2	20.6	11.1
8/21/2005	14:00:28	29.78	55.750	36.86	61.2	3.79	23	48.90	23.302	8.44	36.2	18.3	11.1
8/21/2005	14:30:28	29.80	55.745	36.85	61.7	3.82	23	48.92	23.315	8.45	45.7	21.9	11.1
8/21/2005	15:00:28	29.79	55.750	36.86	66.4	4.11	23	48.90	23.296	8.45	55.2	20.2	11.1
8/21/2005	15:30:28	29.85	55.720	36.83	68.0	4.21	23	48.90	23.301	8.47	65.8	19.8	11.1
8/21/2005	16:00:28	29.88	55.723	36.83	67.5	4.17	23	48.91	23.306	8.46	71.7	19.9	11.1
8/21/2005	16:30:28	29.87	55.702	36.82	69.1	4.28	25	48.91	23.308	8.49	79.4	21.7	11.1
8/21/2005	17:00:28	29.87	55.712	36.83	66.6	4.12	25	48.92	23.310	8.48	85.7	20.5	11.1
8/21/2005	17:30:28	29.81	55.730	36.84	65.1	4.03	23	48.94	23.326	8.46	85.6	20.9	11.1
8/21/2005	18:00:28	29.79	55.732	36.85	69.8	4.32	25	48.94	23.325	8.47	90.8	21.3	11.1
8/21/2005	18:30:28	29.77	55.741	36.85	69.4	4.30	25	48.92	23.315	8.47	93.7	21.3	11.1
8/21/2005	19:00:28	29.79	55.731	36.84	70.0	4.33	25	48.94	23.329	8.47	89.3	22.2	11.1
8/21/2005	19:30:28	29.79	55.732	36.84	67.1	4.16	23	48.96	23.337	8.45	92.7	22.3	11.1
8/21/2005	20:00:28	29.79	55.731	36.84	67.9	4.21	25	48.95	23.330	8.46	80.6	23.3	11.1
8/21/2005	20:30:28	29.79	55.731	36.84	66.6	4.12	23	48.93	23.323	8.45	74.9	23.2	11.1
8/21/2005	21:00:28	29.82	55.721	36.84	70.5	4.37	25	48.92	23.316	8.47	69.5	24.0	11.1
8/21/2005	21:30:28	29.81	55.743	36.85	67.3	4.17	23	48.93	23.317	8.43	18.6	23.6	11.1
8/21/2005	22:00:28	29.82	55.736	36.85	70.4	4.36	25	48.89	23.293	8.46	50.7	23.6	11.1
8/21/2005	22:30:28	29.81	55.736	36.85	65.9	4.08	23	48.84	23.256	8.46	41.0	23.3	11.1
8/21/2005	23:00:27	29.81	55.741	36.85	64.6	4.00	23	48.82	23.242	8.45	29.7	26.0	11.1
8/21/2005	23:30:28	29.81	55.737	36.85	60.7	3.76	23	48.79	23.224	8.43	20.0	26.1	11.1
8/22/2005	0:00:28	29.81	55.737	36.85	56.2	3.48	22	48.72	23.176	8.41	10.2	26.4	11.1
8/22/2005	0:30:28	29.82	55.731	36.84	52.3	3.24	22	48.67	23.138	8.39	2.2	27.0	11.1
8/22/2005	1:00:28	29.85	55.696	36.82	50.4	3.12	22	48.65	23.130	8.38	-2.2	26.7	11.1
8/22/2005	1:30:28	29.90	55.718	36.83	50.3	3.11	22	48.62	23.104	8.38	-2.5	25.5	11.1
8/22/2005	2:00:28	29.94	55.699	36.82	48.6	3.00	22	48.59	23.089	8.38	-2.7	24.9	11.1
8/22/2005	2:30:28	29.95	55.696	36.81	50.2	3.10	22	48.56	23.064	8.39	-2.8	23.0	11.1
8/22/2005	3:00:28	29.96	55.685	36.80	50.0	3.09	22	48.55	23.063	8.39	-2.8	21.7	11.1
8/22/2005	3:30:28	29.98	55.669	36.79	49.8	3.08	22	48.48	23.010	8.39	-2.8	22.1	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank
June 8, 2005 - August 27, 2005

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU	Battery volts
8/22/2005	4:00:28	30.02	55.638	36.77	49.6	3.07	22	48.50	23.029	8.39	-2.8	22.0	11.1
8/22/2005	4:30:28	30.02	55.645	36.77	49.6	3.06	22	48.51	23.034	8.38	-2.9	20.0	11.1
8/22/2005	5:00:28	29.92	55.711	36.82	50.3	3.11	22	48.46	23.001	8.39	-2.9	18.3	11.1
8/22/2005	5:30:28	29.89	55.733	36.84	49.8	3.08	22	48.53	23.045	8.38	-2.9	18.9	11.1
8/22/2005	6:00:28	29.88	55.765	36.87	49.8	3.08	22	48.55	23.056	8.39	-2.9	20.8	11.1
8/22/2005	6:30:28	29.88	55.671	36.80	50.7	3.14	22	48.57	23.075	8.39	-2.9	21.5	11.1
8/22/2005	7:00:28	29.90	55.747	36.85	49.8	3.08	22	48.61	23.099	8.39	-2.9	19.8	11.1
8/22/2005	7:30:28	29.90	55.757	36.86	51.2	3.17	22	48.65	23.129	8.40	-2.8	19.3	11.1
8/22/2005	8:00:28	29.88	55.750	36.86	51.3	3.17	22	48.67	23.145	8.39	-2.8	18.9	11.1
8/22/2005	8:30:28	29.87	55.763	36.87	50.0	3.09	22	48.65	23.125	8.39	-2.9	18.8	11.1
8/22/2005	9:00:28	29.87	55.758	36.86	51.2	3.17	22	48.69	23.154	8.39	-2.9	19.9	11.1
8/22/2005	9:30:28	29.85	55.773	36.87	51.7	3.20	22	48.72	23.175	8.39	-2.9	19.0	11.1
8/22/2005	10:00:28	29.85	55.762	36.87	52.2	3.23	22	48.79	23.225	8.40	-2.9	17.4	11.1
8/22/2005	10:30:28	29.80	55.781	36.88	52.7	3.26	22	48.84	23.255	8.40	-2.9	15.9	11.1
8/22/2005	11:00:28	29.74	55.785	36.89	52.8	3.28	22	48.84	23.256	8.39	-2.8	18.9	11.1
8/22/2005	11:30:27	29.71	55.789	36.89	51.8	3.21	22	48.79	23.222	8.39	-2.9	20.5	11.1
8/22/2005	12:00:28	29.73	55.780	36.88	52.1	3.23	22	48.77	23.207	8.39	-1.0	22.3	11.1
8/22/2005	12:30:28	29.74	55.776	36.88	52.5	3.26	22	48.74	23.186	8.40	2.6	17.9	11.1
8/22/2005	13:00:28	29.75	55.774	36.88	54.3	3.36	22	48.76	23.202	8.41	8.2	21.8	11.1
8/22/2005	13:30:28	29.75	55.774	36.88	58.9	3.65	23	48.76	23.202	8.41	20.8	20.0	11.0
8/22/2005	14:00:28	29.75	55.741	36.85	65.0	4.03	23	48.72	23.174	8.44	45.4	20.0	11.1
8/22/2005	14:30:28	29.75	55.730	36.84	61.8	3.83	23	48.72	23.175	8.41	13.0	19.6	11.1
8/22/2005	15:00:28	29.79	55.734	36.85	62.8	3.89	23	48.74	23.188	8.42	24.7	18.1	11.1
8/22/2005	15:30:28	29.89	51.562	33.75	69.6	4.38	25	48.71	23.222	8.45	66.4	17.6	11.1
8/22/2005	16:00:28	29.90	55.786	36.88	64.8	4.01	23	48.69	23.152	8.43	32.8	19.2	11.1
8/22/2005	16:30:28	29.91	55.798	36.89	61.0	3.77	23	48.70	23.159	8.41	16.9	20.8	11.1
8/22/2005	17:00:28	29.93	55.801	36.89	65.8	4.06	25	48.68	23.146	8.43	33.0	18.9	11.1
8/22/2005	17:30:28	29.92	55.799	36.89	60.3	3.72	23	48.68	23.146	8.41	18.8	21.3	11.1
8/22/2005	18:00:28	29.82	55.799	36.89	59.4	3.68	23	48.72	23.174	8.41	17.2	14.7	11.1
8/22/2005	18:30:28	29.74	55.795	36.89	60.5	3.75	23	48.77	23.208	8.41	18.9	20.6	11.1
8/22/2005	19:00:28	29.68	55.790	36.89	64.2	3.98	23	48.79	23.224	8.41	25.2	21.4	11.1
8/22/2005	19:30:28	29.68	55.782	36.89	71.7	4.45	25	48.83	23.249	8.44	40.3	21.6	11.1
8/22/2005	20:00:28	29.70	55.765	36.87	77.1	4.78	25	48.83	23.247	8.45	55.4	24.2	11.1
8/22/2005	20:30:28	29.73	55.765	36.87	79.7	4.94	25	48.85	23.267	8.47	78.2	19.8	11.1
8/22/2005	21:00:28	29.75	55.759	36.87	85.4	5.29	25	48.87	23.279	8.48	87.1	20.8	11.1
8/22/2005	21:30:28	29.77	55.767	36.87	72.4	4.48	25	48.88	23.288	8.44	27.1	18.8	11.1
8/22/2005	22:00:28	29.78	55.773	36.88	75.7	4.69	25	48.89	23.293	8.44	39.0	19.8	11.1
8/22/2005	22:30:28	29.80	55.790	36.89	68.8	4.26	25	48.90	23.300	8.42	21.2	21.5	11.1
8/22/2005	23:00:27	29.82	55.773	36.87	63.4	3.93	23	48.93	23.320	8.42	13.8	22.1	11.1
8/22/2005	23:30:28	29.84	55.775	36.88	60.8	3.76	23	48.92	23.312	8.41	14.0	20.9	11.1
8/23/2005	0:00:28	29.83	55.784	36.88	56.6	3.50	23	48.88	23.282	8.40	6.1	21.1	11.1
8/23/2005	0:30:28	29.83	55.787	36.88	53.5	3.31	22	48.85	23.264	8.38	1.0	21.5	11.1
8/23/2005	1:00:28	29.81	55.790	36.89	51.2	3.17	22	48.84	23.259	8.37	-1.7	18.1	11.1
8/23/2005	1:30:28	29.81	55.799	36.89	49.7	3.08	22	48.82	23.245	8.37	-1.9	17.3	11.1
8/23/2005	2:00:28	29.81	55.802	36.90	48.9	3.03	22	48.80	23.232	8.37	-2.0	17.8	11.1
8/23/2005	2:30:28	29.81	55.802	36.90	48.1	2.98	22	48.80	23.228	8.36	-2.1	18.5	11.1
8/23/2005	3:00:28	29.83	55.798	36.89	46.7	2.89	22	48.76	23.205	8.35	-2.2	19.7	11.1
8/23/2005	3:30:28	29.83	55.798	36.89	44.5	2.75	22	48.74	23.188	8.34	-2.2	18.3	11.1
8/23/2005	4:00:28	29.84	55.789	36.89	44.4	2.75	22	48.72	23.172	8.35	-2.8	19.4	11.1
8/23/2005	4:30:28	29.84	55.784	36.88	43.7	2.70	22	48.73	23.182	8.34	-3.2	20.5	11.1
8/23/2005	5:00:28	29.84	55.784	36.88	41.9	2.60	22	48.72	23.177	8.33	-19.0	20.0	11.1
8/23/2005	5:30:28	29.85	55.777	36.88	41.6	2.57	22	48.71	23.168	8.34	-19.5	20.3	11.1
8/23/2005	6:00:28	29.85	55.781	36.88	39.7	2.46	22	48.72	23.175	8.32	-16.3	20.7	11.1
8/23/2005	6:30:28	29.88	55.758	36.86	37.3	2.31	21	48.72	23.174	8.31	-14.4	20.8	11.1
8/23/2005	7:00:28	30.12	55.665	36.78	44.9	2.77	22	48.74	23.193	8.36	-11.5	22.2	11.1
8/23/2005	7:30:28	30.24	55.609	36.74	47.2	2.90	22	48.76	23.211	8.37	-8.6	23.0	11.1
8/23/2005	8:00:28	30.34	55.621	36.74	52.6	3.23	23	48.76	23.211	8.40	-5.5	19.4	11.1
8/23/2005	8:30:28	30.33	55.644	36.76	52.3	3.21	23	48.79	23.229	8.40	-3.8	20.3	11.0
8/23/2005	9:00:28	30.34	55.650	36.76	52.9	3.25	23	48.80	23.237	8.40	-3.2	18.9	11.1
8/23/2005	9:30:28	30.33	55.659	36.77	52.2	3.21	23	48.80	23.234	8.39	-2.9	20.6	11.1
8/23/2005	10:00:28	30.37	55.664	36.77	50.3	3.09	22	48.80	23.238	8.37	-2.7	23.1	11.1
8/23/2005	10:30:28	30.35	55.683	36.79	50.7	3.11	22	48.83	23.256	8.38	-2.8	21.7	11.1
8/23/2005	11:00:28	30.31	55.479	36.64	51.1	3.14	22	48.82	23.248	8.38	-2.8	20.6	11.1
8/23/2005	11:30:27	30.32	55.718	36.82	51.3	3.15	22	48.80	23.238	8.39	-2.9	22.1	11.1
8/23/2005	12:00:28	30.30	55.724	36.82	50.1	3.08	22	48.78	23.223	8.37	-0.6	21.3	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/23/2005	12:30:28	30.28	55.728	36.82	54.5	3.35	23	48.75	23.197	8.39	6.8	22.5	11.1
8/23/2005	13:00:28	30.28	55.733	36.83	59.7	3.67	23	48.72	23.182	8.40	16.3	21.4	11.0
8/23/2005	13:30:28	30.27	55.738	36.83	63.5	3.91	23	48.72	23.176	8.41	26.2	20.6	11.1
8/23/2005	14:00:28	30.27	55.740	36.83	70.3	4.32	25	48.68	23.149	8.43	41.4	19.4	11.1
8/23/2005	14:30:28	30.26	55.748	36.84	77.3	4.75	25	48.66	23.134	8.44	37.9	20.5	11.1
8/23/2005	15:00:28	30.29	55.736	36.83	86.7	5.33	26	48.60	23.096	8.48	58.7	19.4	11.1
8/23/2005	15:30:28	30.30	55.943	36.98	72.4	4.45	25	48.59	23.086	8.47	71.6	18.8	11.0
8/23/2005	16:00:28	30.24	55.787	36.87	69.3	4.26	25	48.57	23.078	8.46	81.8	20.5	11.1
8/23/2005	16:30:28	30.23	55.746	36.84	82.2	5.06	25	48.56	23.070	8.52	89.8	15.1	11.1
8/23/2005	17:00:28	30.27	55.743	36.84	87.2	5.36	25	48.56	23.068	8.54	85.0	15.6	11.1
8/23/2005	17:30:28	30.27	55.752	36.84	85.3	5.24	25	48.57	23.075	8.51	100.2	16.3	11.1
8/23/2005	18:00:28	30.30	55.772	36.86	87.3	5.36	25	48.57	23.076	8.50	87.6	14.4	11.1
8/23/2005	18:30:28	30.34	55.769	36.85	84.6	5.20	25	48.57	23.078	8.52	95.1	14.6	11.1
8/23/2005	19:00:28	30.36	55.765	36.85	82.3	5.05	25	48.60	23.098	8.52	93.9	12.5	11.1
8/23/2005	19:30:28	30.40	55.759	36.84	75.8	4.65	25	48.62	23.109	8.50	100.4	13.3	11.1
8/23/2005	20:00:28	30.38	55.740	36.83	71.7	4.40	25	48.67	23.146	8.47	86.1	13.8	11.1
8/23/2005	20:30:28	30.38	55.746	36.83	74.7	4.58	25	48.68	23.151	8.48	75.9	14.2	11.0
8/23/2005	21:00:28	30.37	55.742	36.83	73.7	4.53	25	48.73	23.188	8.49	67.9	15.5	11.1
8/23/2005	21:30:28	30.33	55.747	36.84	69.3	4.26	23	48.76	23.210	8.45	60.7	15.0	11.1
8/23/2005	22:00:28	30.32	55.750	36.84	68.9	4.24	23	48.80	23.232	8.45	49.5	15.5	11.1
8/23/2005	22:30:28	30.27	55.760	36.85	66.8	4.10	25	48.82	23.245	8.44	40.3	15.9	11.1
8/23/2005	23:00:27	30.29	55.761	36.85	63.2	3.89	25	48.85	23.267	8.44	35.3	16.3	11.1
8/23/2005	23:30:28	30.26	55.763	36.85	58.9	3.62	23	48.86	23.276	8.42	22.6	18.1	11.0
8/24/2005	0:00:28	30.26	55.761	36.85	55.7	3.42	23	48.89	23.298	8.39	11.7	17.6	11.1
8/24/2005	0:30:28	30.22	55.835	36.91	52.6	3.24	22	48.91	23.306	8.38	2.7	17.9	11.1
8/24/2005	1:00:28	30.19	55.803	36.88	49.0	3.02	22	48.90	23.301	8.38	-2.0	17.8	11.1
8/24/2005	1:30:28	30.21	55.786	36.87	49.1	3.02	22	48.90	23.300	8.36	-2.4	16.5	11.1
8/24/2005	2:00:28	30.20	55.789	36.87	49.2	3.03	22	48.93	23.323	8.36	-2.5	17.2	11.1
8/24/2005	2:30:28	30.20	55.767	36.86	47.0	2.89	22	48.92	23.315	8.36	-2.5	21.2	11.0
8/24/2005	3:00:28	30.20	55.780	36.87	46.6	2.87	22	48.94	23.326	8.35	-2.6	17.7	11.1
8/24/2005	3:30:28	30.23	55.775	36.86	46.8	2.88	22	48.91	23.312	8.36	-2.6	20.0	11.1
8/24/2005	4:00:28	30.23	54.979	36.27	45.2	2.79	22	48.91	23.321	8.35	-2.7	18.1	11.1
8/24/2005	4:30:28	30.23	55.771	36.86	44.2	2.72	22	48.91	23.312	8.34	-3.2	18.0	11.0
8/24/2005	5:00:28	30.22	55.779	36.86	43.0	2.65	22	48.90	23.300	8.34	-2.9	19.5	11.0
8/24/2005	5:30:28	30.24	55.770	36.86	41.8	2.57	22	48.89	23.293	8.33	-2.9	19.2	11.1
8/24/2005	6:00:28	30.26	55.771	36.86	40.5	2.49	21	48.88	23.291	8.32	-2.9	17.7	11.1
8/24/2005	6:30:28	30.26	55.767	36.85	38.5	2.37	21	48.89	23.293	8.31	-2.9	18.3	11.1
8/24/2005	7:00:28	30.26	55.766	36.85	39.5	2.43	21	48.88	23.290	8.31	-2.9	20.1	11.1
8/24/2005	7:30:28	30.26	55.765	36.85	38.2	2.35	21	48.86	23.272	8.31	-2.8	20.1	11.1
8/24/2005	8:00:28	30.26	55.765	36.85	37.3	2.29	22	48.86	23.278	8.31	-2.9	19.8	11.1
8/24/2005	8:30:28	30.26	55.768	36.85	38.4	2.36	22	48.86	23.276	8.31	-3.0	21.1	11.1
8/24/2005	9:00:28	30.29	55.763	36.85	37.0	2.27	22	48.85	23.271	8.31	-3.0	21.6	11.0
8/24/2005	9:30:28	30.29	55.762	36.85	34.0	2.09	21	48.86	23.278	8.28	-3.1	25.8	11.1
8/24/2005	10:00:28	30.29	55.754	36.84	32.6	2.00	21	48.85	23.268	8.27	-2.9	23.3	11.1
8/24/2005	10:30:28	30.29	55.757	36.85	31.8	1.96	21	48.86	23.275	8.27	-2.9	21.3	11.1
8/24/2005	11:00:28	30.29	55.759	36.85	29.4	1.80	21	48.87	23.279	8.26	-3.1	24.8	11.1
8/24/2005	11:30:27	30.28	55.800	36.88	31.3	1.92	21	48.85	23.267	8.26	-3.1	22.4	11.1
8/24/2005	12:00:28	30.30	55.776	36.86	28.7	1.76	21	48.82	23.248	8.25	-1.0	28.8	11.1
8/24/2005	12:30:28	30.31	55.768	36.85	33.1	2.03	21	48.80	23.236	8.26	9.0	26.1	11.1
8/24/2005	13:00:28	30.31	55.761	36.85	33.8	2.08	21	48.75	23.199	8.26	13.2	27.4	11.1
8/24/2005	13:30:28	30.33	53.228	34.96	39.7	2.46	21	48.72	23.211	8.28	29.0	25.8	11.1
8/24/2005	14:00:28	30.34	55.747	36.84	48.3	2.97	23	48.69	23.156	8.31	42.2	25.5	11.0
8/24/2005	14:30:28	30.36	55.755	36.84	55.0	3.38	23	48.64	23.125	8.33	40.3	24.0	11.1
8/24/2005	15:00:28	30.41	55.730	36.82	60.6	3.72	25	48.61	23.104	8.35	63.2	20.0	11.1
8/24/2005	15:30:28	30.44	55.701	36.80	59.0	3.62	23	48.57	23.077	8.34	67.3	20.9	11.1
8/24/2005	16:00:28	30.52	55.609	36.73	66.4	4.07	25	48.52	23.047	8.38	69.3	20.2	11.0
8/24/2005	16:30:28	30.48	55.687	36.79	49.1	3.01	23	48.50	23.030	8.31	27.9	20.5	11.1
8/24/2005	17:00:28	30.54	55.662	36.77	65.6	4.02	25	48.48	23.019	8.40	116.1	20.8	11.1
8/24/2005	17:30:28	30.57	55.659	36.76	74.1	4.54	25	48.47	23.013	8.39	101.4	20.6	11.0
8/24/2005	18:00:28	30.61	55.663	36.76	84.7	5.18	25	48.46	23.000	8.42	109.0	23.1	11.1
8/24/2005	18:30:28	30.61	55.626	36.74	78.5	4.80	25	48.45	22.997	8.42	95.1	21.8	11.1
8/24/2005	19:00:28	30.59	55.615	36.73	79.7	4.88	25	48.46	23.004	8.40	102.7	24.1	11.0
8/24/2005	19:30:28	30.52	55.463	36.62	82.8	5.08	25	48.47	23.016	8.45	98.9	22.9	11.0
8/24/2005	20:00:28	30.49	55.420	36.59	83.7	5.13	25	48.50	23.030	8.48	95.3	21.9	11.1
8/24/2005	20:30:28	30.52	55.448	36.61	84.2	5.16	25	48.54	23.062	8.47	87.2	22.1	11.1

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/24/2005	21:00:28	30.53	55.472	36.62	77.8	4.77	25	48.59	23.092	8.46	115.1	24.5	11.1
8/24/2005	21:30:28	30.52	55.517	36.66	69.4	4.25	25	48.61	23.109	8.42	73.1	20.3	11.0
8/24/2005	22:00:28	30.46	55.481	36.63	74.8	4.59	25	48.66	23.142	8.45	81.8	21.1	11.1
8/24/2005	22:30:28	30.39	55.474	36.63	69.2	4.25	25	48.70	23.169	8.42	38.1	23.1	11.0
8/24/2005	23:00:27	30.33	55.470	36.63	63.2	3.88	23	48.74	23.199	8.41	26.9	23.9	11.1
8/24/2005	23:30:28	30.24	55.456	36.62	61.7	3.80	23	48.78	23.225	8.40	25.7	21.4	11.0
8/25/2005	0:00:28	30.19	55.453	36.62	58.4	3.60	23	48.84	23.267	8.39	14.9	22.6	11.0
8/25/2005	0:30:28	30.17	55.442	36.61	55.1	3.40	23	48.87	23.286	8.37	3.4	21.1	11.1
8/25/2005	1:00:28	30.14	55.424	36.60	52.8	3.26	23	48.90	23.308	8.38	-1.7	19.7	11.1
8/25/2005	1:30:28	30.11	55.404	36.59	52.3	3.23	23	48.93	23.329	8.36	-2.2	20.2	11.0
8/25/2005	2:00:28	30.08	55.391	36.58	51.8	3.20	22	48.96	23.350	8.36	-2.3	21.6	11.0
8/25/2005	2:30:28	30.06	55.386	36.58	51.7	3.19	23	48.97	23.355	8.37	-2.4	19.6	11.0
8/25/2005	3:00:28	30.05	55.385	36.58	51.4	3.18	22	48.98	23.361	8.36	-2.4	19.7	11.0
8/25/2005	3:30:28	30.08	55.360	36.56	51.0	3.15	22	48.99	23.371	8.36	-2.4	20.4	11.1
8/25/2005	4:00:28	30.05	55.366	36.56	47.9	2.96	22	49.01	23.383	8.35	-2.5	20.9	11.1
8/25/2005	4:30:28	30.05	55.369	36.56	48.6	3.00	22	49.02	23.385	8.36	-2.5	21.3	11.0
8/25/2005	5:00:28	30.05	55.377	36.57	47.5	2.94	22	49.00	23.372	8.34	-2.7	22.2	11.0
8/25/2005	5:30:28	30.09	55.378	36.57	43.6	2.69	22	49.01	23.383	8.33	-2.5	21.3	11.0
8/25/2005	6:00:28	30.08	55.399	36.59	43.1	2.66	22	48.99	23.364	8.33	-2.5	21.9	11.0
8/25/2005	6:30:28	30.09	55.406	36.59	41.8	2.58	22	48.97	23.353	8.32	-2.3	21.5	11.0
8/25/2005	7:00:28	30.09	55.392	36.58	42.6	2.63	22	49.00	23.372	8.33	1.4	24.2	11.1
8/25/2005	7:30:28	30.08	55.389	36.58	42.6	2.63	22	48.95	23.341	8.33	1.9	24.4	11.0
8/25/2005	8:00:28	30.08	55.398	36.59	41.7	2.57	22	48.95	23.339	8.32	0.5	23.8	11.0
8/25/2005	8:30:28	30.10	55.405	36.59	39.4	2.43	22	48.95	23.340	8.30	-4.4	23.9	11.1
8/25/2005	9:00:28	30.11	55.412	36.59	39.0	2.41	22	48.94	23.331	8.31	-2.7	25.5	11.0
8/25/2005	9:30:28	30.12	55.484	36.65	37.4	2.31	22	48.92	23.318	8.30	-2.6	24.4	11.0
8/25/2005	10:00:28	30.18	55.486	36.65	35.9	2.21	21	48.92	23.320	8.29	-2.7	24.1	11.0
8/25/2005	10:30:28	30.13	55.452	36.62	34.7	2.14	22	48.91	23.309	8.28	0.9	24.0	11.0
8/25/2005	11:00:28	30.24	55.517	36.67	36.2	2.23	22	48.89	23.296	8.29	-3.4	23.2	11.0
8/25/2005	11:30:27	30.38	55.611	36.73	43.0	2.64	22	48.85	23.273	8.33	-2.9	21.9	11.1
8/25/2005	12:00:28	30.41	55.629	36.75	44.9	2.75	22	48.83	23.260	8.35	-0.4	2.8	11.0
8/25/2005	12:30:28	30.42	55.642	36.75	49.0	3.01	23	48.81	23.241	8.36	10.0	2.6	11.0
8/25/2005	13:00:28	30.43	55.631	36.75	53.4	3.28	23	48.76	23.211	8.37	20.6	3.0	11.0
8/25/2005	13:30:28	30.43	55.635	36.75	56.9	3.49	25	48.73	23.190	8.38	25.0	3.4	11.0
8/25/2005	14:00:28	30.44	55.639	36.75	59.1	3.62	25	48.70	23.169	8.39	33.6	3.1	11.0
8/25/2005	14:30:28	30.44	55.621	36.74	72.3	4.43	25	48.65	23.136	8.41	61.8	3.6	11.0
8/25/2005	15:00:28	30.45	55.637	36.75	76.2	4.67	25	48.59	23.091	8.41	43.6	3.8	11.0
8/25/2005	15:30:28	30.42	55.668	36.77	108.6	6.66	28	48.55	23.063	8.45	97.7	6.0	11.0
8/25/2005	16:00:28	30.45	55.665	36.77	108.7	6.67	28	48.52	23.042	8.48	115.9	3.6	11.0
8/25/2005	16:30:28	30.48	55.667	36.77	113.8	6.97	28	48.49	23.021	8.51	118.6	3.9	11.0
8/25/2005	17:00:28	30.47	55.679	36.78	79.1	4.85	25	48.44	22.990	8.45	91.5	3.4	11.1
8/25/2005	17:30:28	30.39	55.711	36.81	74.3	4.56	25	48.40	22.962	8.43	67.1	3.7	11.0
8/25/2005	18:00:28	30.34	55.726	36.82	69.8	4.29	25	48.37	22.939	8.42	49.0	4.8	11.0
8/25/2005	18:30:28	30.33	55.718	36.82	73.9	4.54	25	48.36	22.931	8.44	86.9	4.3	11.0
8/25/2005	19:00:28	30.33	55.722	36.82	96.3	5.92	26	48.35	22.922	8.49	147.7	5.8	11.0
8/25/2005	19:30:28	30.36	55.715	36.81	112.3	6.90	29	48.35	22.928	8.50	123.8	4.2	11.0
8/25/2005	20:00:28	30.35	55.706	36.81	88.9	5.46	25	48.38	22.943	8.46	116.1	5.1	11.0
8/25/2005	20:30:28	30.39	55.708	36.81	104.1	6.39	28	48.39	22.950	8.53	106.3	4.7	11.1
8/25/2005	21:00:28	30.38	55.705	36.80	106.9	6.56	28	48.40	22.963	8.46	96.1	4.5	11.0
8/25/2005	21:30:28	30.41	55.689	36.79	104.3	6.40	26	48.44	22.990	8.49	81.9	5.1	11.0
8/25/2005	22:00:28	30.42	55.706	36.80	97.6	5.98	26	48.47	23.012	8.47	66.1	5.3	11.0
8/25/2005	22:30:28	30.43	55.681	36.78	77.7	4.77	25	48.54	23.054	8.41	39.8	5.7	11.0
8/25/2005	23:00:27	30.44	55.660	36.77	76.7	4.70	25	48.58	23.088	8.42	36.1	6.5	11.0
8/25/2005	23:30:28	30.45	55.712	36.81	68.4	4.19	25	48.65	23.133	8.41	25.7	5.9	11.0
8/26/2005	0:00:28	30.47	55.632	36.75	58.5	3.59	23	48.70	23.171	8.40	13.0	6.2	11.0
8/26/2005	0:30:28	30.47	55.600	36.72	51.5	3.16	23	48.74	23.199	8.38	4.9	7.5	11.0
8/26/2005	1:00:28	30.48	55.591	36.72	50.6	3.10	23	48.80	23.241	8.39	0.1	5.9	11.0
8/26/2005	1:30:28	30.46	55.589	36.71	49.6	3.04	23	48.85	23.274	8.38	-1.2	3.4	11.0
8/26/2005	2:00:28	30.44	55.575	36.70	51.5	3.16	23	48.91	23.310	8.38	0.1	3.2	11.0
8/26/2005	2:30:28	30.42	55.589	36.72	45.9	2.82	22	48.95	23.339	8.36	0.0	3.7	11.0
8/26/2005	3:00:28	30.44	55.574	36.70	46.2	2.83	22	48.97	23.355	8.37	-0.3	5.6	11.0
8/26/2005	3:30:28	30.42	55.627	36.74	47.0	2.88	22	49.00	23.375	8.38	-0.4	4.5	11.0
8/26/2005	4:00:28	30.41	55.636	36.75	45.3	2.78	22	49.02	23.391	8.37	-0.9	7.2	11.0
8/26/2005	4:30:28	30.43	55.631	36.75	43.5	2.67	22	49.05	23.408	8.35	-0.7	6.8	11.0
8/26/2005	5:00:28	30.42	55.636	36.75	42.1	2.58	22	49.05	23.410	8.35	-0.9	7.0	11.0

Appendix 5
Water Quality Data

East Flower Garden Bank													
June 8, 2005 - August 27, 2005													
Date M/D/Y	Time	Temp C	SpCond ms/cm/ sec	Sal ppt	Dosat %	DO Conc mg/L	Do chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU	Battery volts
8/26/2005	5:30:28	30.42	55.627	36.74	41.0	2.52	22	49.06	23.417	8.34	-0.9	4.9	11.0
8/26/2005	6:00:28	30.41	55.640	36.75	43.3	2.66	22	49.05	23.409	8.35	-1.1	5.5	11.0
8/26/2005	6:30:28	30.41	55.631	36.75	38.8	2.38	22	49.04	23.404	8.34	-0.8	5.0	11.0
8/26/2005	7:00:28	30.41	55.627	36.74	37.4	2.30	22	49.04	23.399	8.34	-1.0	5.3	11.0
8/26/2005	7:30:28	30.41	55.635	36.75	36.8	2.26	22	49.02	23.388	8.33	-1.0	5.7	11.0
8/26/2005	8:00:28	30.41	55.630	36.75	37.3	2.29	22	49.00	23.377	8.32	-1.0	5.7	11.0
8/26/2005	8:30:28	30.41	55.616	36.74	33.4	2.05	21	49.00	23.374	8.31	-0.9	5.8	11.0
8/26/2005	9:00:28	30.43	55.653	36.76	34.9	2.14	22	48.98	23.359	8.32	-1.0	6.1	11.0
8/26/2005	9:30:28	30.55	55.647	36.75	36.4	2.23	22	48.96	23.345	8.33	-1.0	7.0	11.0
8/26/2005	10:00:28	30.69	55.636	36.74	38.8	2.37	22	48.92	23.320	8.36	-1.0	6.8	11.0
8/26/2005	10:30:28	30.71	55.643	36.74	42.7	2.61	22	48.92	23.322	8.36	-1.0	6.9	11.0
8/26/2005	11:00:28	30.72	55.638	36.74	48.8	2.98	23	48.90	23.307	8.38	-0.9	8.9	11.0
8/26/2005	11:30:27	30.72	55.647	36.75	50.8	3.11	23	48.87	23.288	8.39	-1.3	4.4	11.0
8/26/2005	12:00:28	30.71	55.648	36.75	51.1	3.12	23	48.84	23.270	8.38	1.9	4.8	11.0
8/26/2005	12:30:28	30.71	55.646	36.75	55.6	3.39	23	48.80	23.241	8.38	12.2	801.6	11.0
8/26/2005	13:00:28	30.70	55.651	36.75	74.7	4.56	25	48.78	23.224	8.40	29.4	4.5	11.0
8/26/2005	13:30:28	30.72	55.652	36.75	84.9	5.18	25	48.75	23.208	8.41	38.7	4.0	11.0
8/26/2005	14:00:28	30.73	55.658	36.76	108.7	6.64	28	48.71	23.174	8.43	55.0	5.0	11.0
8/26/2005	14:30:28	30.74	55.660	36.76	93.3	5.70	26	48.68	23.153	8.42	33.5	4.8	11.0
8/26/2005	15:00:28	30.76	55.650	36.75	120.2	7.34	29	48.63	23.125	8.44	88.4	4.7	11.0
8/26/2005	15:30:28	30.77	55.654	36.75	113.4	6.92	29	48.58	23.086	8.43	72.0	4.7	11.0
8/26/2005	16:00:28	30.81	55.643	36.74	143.2	8.73	30	48.53	23.055	8.49	114.7	6.1	11.0
8/26/2005	16:30:28	30.82	55.640	36.74	108.0	6.58	29	48.49	23.025	8.45	114.0	9.0	11.0
8/26/2005	17:00:28	30.84	55.654	36.75	138.1	8.42	30	48.44	22.991	8.49	102.6	12.5	11.0
8/26/2005	17:30:28	30.82	55.643	36.74	97.4	5.94	28	48.41	22.973	8.48	127.9	11.4	11.0
8/26/2005	18:00:28	30.75	55.673	36.77	98.4	6.01	28	48.37	22.941	8.47	131.5	9.4	11.0
8/26/2005	18:30:28	30.73	55.677	36.77	88.7	5.41	26	48.34	22.921	8.45	123.4	9.0	11.0
8/26/2005	19:00:28	30.70	55.683	36.78	86.2	5.27	25	48.32	22.907	8.45	126.8	10.9	11.0
8/26/2005	19:30:28	30.68	55.691	36.78	81.2	4.96	25	48.30	22.891	8.45	125.2	10.5	11.0
8/26/2005	20:00:28	30.68	55.697	36.79	125.2	7.65	29	48.30	22.894	8.50	121.3	10.8	11.0
8/26/2005	20:30:28	30.70	55.691	36.78	117.6	7.18	29	48.30	22.896	8.51	103.8	13.0	11.0
8/26/2005	21:00:28	30.69	55.691	36.78	95.6	5.84	26	48.30	22.895	8.47	89.3	10.9	11.0
8/26/2005	21:30:28	30.70	55.705	36.79	89.8	5.48	25	48.32	22.909	8.46	77.8	11.8	11.0
8/26/2005	22:00:28	30.68	55.710	36.80	97.3	5.95	26	48.37	22.940	8.45	64.2	10.3	11.0
8/26/2005	22:30:28	30.65	55.710	36.80	76.3	4.66	25	48.41	22.966	8.44	49.7	11.2	11.0
8/26/2005	23:00:27	30.60	55.718	36.81	66.1	4.05	25	48.46	23.000	8.42	40.6	10.1	11.0
8/26/2005	23:30:28	30.56	55.722	36.81	59.5	3.64	23	48.50	23.027	8.40	22.5	12.5	11.0
8/27/2005	0:00:28	30.54	55.729	36.82	56.7	3.47	25	48.54	23.059	8.39	10.4	13.8	11.0
8/27/2005	0:30:28	30.56	55.737	36.82	50.6	3.10	23	48.60	23.102	8.38	2.2	13.6	11.0
8/27/2005	1:00:28	30.56	55.749	36.83	43.8	2.68	23	48.66	23.142	8.36	-1.2	3.9	11.1
8/27/2005	1:30:28	31.00	53.881	35.42	500.0	30.62	92	17.09	1.404	8.44	-26.1	3.2	11.0
8/27/2005	2:00:28	26.92	0.142	0.07	-50.0	-3.99	22	15.10	0.033	7.66	-29.4	12.0	11.0
8/27/2005	2:30:28	23.39	50.246	32.95	-50.0	-3.52	21	15.09	0.031	6.76	0.4	14.3	11.3
8/27/2005	3:00:28	21.37	0.024	0.01	-2.9	-0.25	0	15.09	0.029	6.55	-0.2	-50.6	10.9

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	**Temp (ºC)**
06/08/05 11:41:39.0	24.03
06/08/05 12:11:39.0	27.97
06/08/05 12:41:39.0	27.95
06/08/05 13:11:39.0	27.95
06/08/05 13:41:39.0	27.88
06/08/05 14:11:39.0	27.85
06/08/05 14:41:39.0	27.73
06/08/05 15:11:39.0	27.95
06/08/05 15:41:39.0	27.75
06/08/05 16:11:39.0	34.47
06/08/05 16:41:39.0	25.62
06/08/05 17:11:39.0	25.62
06/08/05 17:41:39.0	25.65
06/08/05 18:11:39.0	25.67
06/08/05 18:41:39.0	25.65
06/08/05 19:11:39.0	25.67
06/08/05 19:41:39.0	25.70
06/08/05 20:11:39.0	25.67
06/08/05 20:41:39.0	25.70
06/08/05 21:11:39.0	25.72
06/08/05 21:41:39.0	25.74
06/08/05 22:11:39.0	25.77
06/08/05 22:41:39.0	25.74
06/08/05 23:11:39.0	25.74
06/08/05 23:41:39.0	25.79
06/09/05 00:11:39.0	25.79
06/09/05 00:41:39.0	25.82
06/09/05 01:11:39.0	25.82
06/09/05 01:41:39.0	25.91
06/09/05 02:11:39.0	25.87
06/09/05 02:41:39.0	25.91
06/09/05 03:11:39.0	25.89
06/09/05 03:41:39.0	25.94
06/09/05 04:11:39.0	25.94
06/09/05 04:41:39.0	25.96
06/09/05 05:11:39.0	26.04
06/09/05 05:41:39.0	26.01
06/09/05 06:11:39.0	25.99
06/09/05 06:41:39.0	25.99
06/09/05 07:11:39.0	25.99
06/09/05 07:41:39.0	26.04
06/09/05 08:11:39.0	25.96
06/09/05 08:41:39.0	25.79
06/09/05 09:11:39.0	25.55
06/09/05 09:41:39.0	25.50
06/09/05 10:11:39.0	25.57
06/09/05 10:41:39.0	25.57
06/09/05 11:11:39.0	25.55
06/09/05 11:41:39.0	25.53
06/09/05 12:11:39.0	25.53
06/09/05 12:41:39.0	25.55
06/09/05 13:11:39.0	25.57
06/09/05 13:41:39.0	25.55
06/09/05 14:11:39.0	25.53
06/09/05 14:41:39.0	25.53
06/09/05 15:11:39.0	25.55
06/09/05 15:41:39.0	25.55
06/09/05 16:11:39.0	25.53
06/09/05 16:41:39.0	25.57

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	595391
Memory Size (Bytes)	32768
Deployment	9
Series Info	Information about the data in the series
Points Used	3814
First Point	06/08/05 11:41:39.0
Last Point	08/26/05 22:11:39.0
Duration	79 Days 10:30:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	34.47
Min Value	24.03
Avg Value	28.17
Launch Parameters	
Load Time	06/08/2005 16:41:37 GMT 06/08/2005 11:41:37 Local
Launch Time	06/08/2005 16:41:39 GMT 06/08/2005 11:41:39 Local
Logging Time	06/08/2005 16:41:39 GMT 06/08/2005 11:41:39 Local
Sampling Interval	1800
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0x17E7_00
Wrap Count	0
Description String	WFGB-6805
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/09/05 17:11:39.0	25.57
06/09/05 17:41:39.0	25.60
06/09/05 18:11:39.0	25.60
06/09/05 18:41:39.0	25.60
06/09/05 19:11:39.0	25.60
06/09/05 19:41:39.0	25.60
06/09/05 20:11:39.0	25.62
06/09/05 20:41:39.0	25.60
06/09/05 21:11:39.0	25.62
06/09/05 21:41:39.0	25.65
06/09/05 22:11:39.0	25.67
06/09/05 22:41:39.0	25.65
06/09/05 23:11:39.0	25.67
06/09/05 23:41:39.0	25.72
06/10/05 00:11:39.0	25.70
06/10/05 00:41:39.0	25.72
06/10/05 01:11:39.0	25.72
06/10/05 01:41:39.0	25.77
06/10/05 02:11:39.0	25.77
06/10/05 02:41:39.0	25.79
06/10/05 03:11:39.0	25.82
06/10/05 03:41:39.0	25.84
06/10/05 04:11:39.0	25.89
06/10/05 04:41:39.0	25.79
06/10/05 05:11:39.0	25.48
06/10/05 05:41:39.0	25.43
06/10/05 06:11:39.0	25.45
06/10/05 06:41:39.0	25.48
06/10/05 07:11:39.0	25.48
06/10/05 07:41:39.0	25.48
06/10/05 08:11:39.0	25.50
06/10/05 08:41:39.0	25.53
06/10/05 09:11:39.0	25.53
06/10/05 09:41:39.0	25.55
06/10/05 10:11:39.0	25.57
06/10/05 10:41:39.0	25.62
06/10/05 11:11:39.0	25.62
06/10/05 11:41:39.0	25.67
06/10/05 12:11:39.0	25.77
06/10/05 12:41:39.0	25.79
06/10/05 13:11:39.0	25.82
06/10/05 13:41:39.0	25.84
06/10/05 14:11:39.0	25.89
06/10/05 14:41:39.0	25.89
06/10/05 15:11:39.0	25.91
06/10/05 15:41:39.0	25.91
06/10/05 16:11:39.0	25.94
06/10/05 16:41:39.0	25.94
06/10/05 17:11:39.0	25.94
06/10/05 17:41:39.0	25.87
06/10/05 18:11:39.0	25.77
06/10/05 18:41:39.0	25.70
06/10/05 19:11:39.0	25.67
06/10/05 19:41:39.0	25.67
06/10/05 20:11:39.0	25.67
06/10/05 20:41:39.0	25.67
06/10/05 21:11:39.0	25.67
06/10/05 21:41:39.0	25.67
06/10/05 22:11:39.0	25.67

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/10/05 22:41:39.0	25.67
06/10/05 23:11:39.0	25.70
06/10/05 23:41:39.0	25.72
06/11/05 00:11:39.0	25.72
06/11/05 00:41:39.0	25.72
06/11/05 01:11:39.0	25.74
06/11/05 01:41:39.0	25.74
06/11/05 02:11:39.0	25.77
06/11/05 02:41:39.0	25.77
06/11/05 03:11:39.0	25.77
06/11/05 03:41:39.0	25.79
06/11/05 04:11:39.0	25.79
06/11/05 04:41:39.0	25.79
06/11/05 05:11:39.0	25.82
06/11/05 05:41:39.0	25.82
06/11/05 06:11:39.0	25.84
06/11/05 06:41:39.0	25.84
06/11/05 07:11:39.0	25.84
06/11/05 07:41:39.0	25.89
06/11/05 08:11:39.0	25.89
06/11/05 08:41:39.0	25.91
06/11/05 09:11:39.0	25.96
06/11/05 09:41:39.0	25.96
06/11/05 10:11:39.0	26.01
06/11/05 10:41:39.0	25.79
06/11/05 11:11:39.0	25.40
06/11/05 11:41:39.0	25.21
06/11/05 12:11:39.0	25.14
06/11/05 12:41:39.0	25.11
06/11/05 13:11:39.0	25.04
06/11/05 13:41:39.0	25.09
06/11/05 14:11:39.0	25.11
06/11/05 14:41:39.0	25.16
06/11/05 15:11:39.0	25.21
06/11/05 15:41:39.0	25.28
06/11/05 16:11:39.0	25.36
06/11/05 16:41:39.0	25.40
06/11/05 17:11:39.0	25.48
06/11/05 17:41:39.0	25.55
06/11/05 18:11:39.0	25.57
06/11/05 18:41:39.0	25.50
06/11/05 19:11:39.0	25.48
06/11/05 19:41:39.0	25.45
06/11/05 20:11:39.0	25.45
06/11/05 20:41:39.0	25.45
06/11/05 21:11:39.0	25.48
06/11/05 21:41:39.0	25.53
06/11/05 22:11:39.0	25.57
06/11/05 22:41:39.0	25.67
06/11/05 23:11:39.0	25.77
06/11/05 23:41:39.0	25.84
06/12/05 00:11:39.0	25.87
06/12/05 00:41:39.0	25.87
06/12/05 01:11:39.0	25.89
06/12/05 01:41:39.0	25.91
06/12/05 02:11:39.0	25.91
06/12/05 02:41:39.0	25.91
06/12/05 03:11:39.0	25.94
06/12/05 03:41:39.0	25.96

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/12/05 04:11:39.0	26.01
06/12/05 04:41:39.0	26.06
06/12/05 05:11:39.0	26.09
06/12/05 05:41:39.0	26.11
06/12/05 06:11:39.0	26.11
06/12/05 06:41:39.0	26.13
06/12/05 07:11:39.0	26.11
06/12/05 07:41:39.0	25.91
06/12/05 08:11:39.0	25.70
06/12/05 08:41:39.0	25.65
06/12/05 09:11:39.0	25.67
06/12/05 09:41:39.0	25.60
06/12/05 10:11:39.0	25.57
06/12/05 10:41:39.0	25.53
06/12/05 11:11:39.0	25.48
06/12/05 11:41:39.0	25.45
06/12/05 12:11:39.0	25.45
06/12/05 12:41:39.0	25.43
06/12/05 13:11:39.0	25.40
06/12/05 13:41:39.0	25.36
06/12/05 14:11:39.0	25.36
06/12/05 14:41:39.0	25.38
06/12/05 15:11:39.0	25.38
06/12/05 15:41:39.0	25.36
06/12/05 16:11:39.0	25.40
06/12/05 16:41:39.0	25.40
06/12/05 17:11:39.0	25.40
06/12/05 17:41:39.0	25.40
06/12/05 18:11:39.0	25.43
06/12/05 18:41:39.0	25.40
06/12/05 19:11:39.0	25.40
06/12/05 19:41:39.0	25.38
06/12/05 20:11:39.0	25.40
06/12/05 20:41:39.0	25.40
06/12/05 21:11:39.0	25.43
06/12/05 21:41:39.0	25.43
06/12/05 22:11:39.0	25.45
06/12/05 22:41:39.0	25.45
06/12/05 23:11:39.0	25.45
06/12/05 23:41:39.0	25.45
06/13/05 00:11:39.0	25.45
06/13/05 00:41:39.0	25.45
06/13/05 01:11:39.0	25.48
06/13/05 01:41:39.0	25.53
06/13/05 02:11:39.0	25.53
06/13/05 02:41:39.0	25.57
06/13/05 03:11:39.0	25.60
06/13/05 03:41:39.0	25.62
06/13/05 04:11:39.0	25.70
06/13/05 04:41:39.0	25.65
06/13/05 05:11:39.0	25.77
06/13/05 05:41:39.0	25.77
06/13/05 06:11:39.0	25.79
06/13/05 06:41:39.0	25.82
06/13/05 07:11:39.0	25.82
06/13/05 07:41:39.0	25.89
06/13/05 08:11:39.0	25.94
06/13/05 08:41:39.0	26.06
06/13/05 09:11:39.0	26.04

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/13/05 09:41:39.0	26.11
06/13/05 10:11:39.0	26.16
06/13/05 10:41:39.0	26.16
06/13/05 11:11:39.0	26.13
06/13/05 11:41:39.0	25.96
06/13/05 12:11:39.0	25.91
06/13/05 12:41:39.0	25.84
06/13/05 13:11:39.0	25.84
06/13/05 13:41:39.0	25.94
06/13/05 14:11:39.0	25.94
06/13/05 14:41:39.0	25.82
06/13/05 15:11:39.0	25.87
06/13/05 15:41:39.0	25.87
06/13/05 16:11:39.0	25.87
06/13/05 16:41:39.0	25.87
06/13/05 17:11:39.0	25.87
06/13/05 17:41:39.0	25.89
06/13/05 18:11:39.0	25.89
06/13/05 18:41:39.0	25.87
06/13/05 19:11:39.0	25.87
06/13/05 19:41:39.0	25.79
06/13/05 20:11:39.0	25.74
06/13/05 20:41:39.0	25.70
06/13/05 21:11:39.0	25.70
06/13/05 21:41:39.0	25.67
06/13/05 22:11:39.0	25.70
06/13/05 22:41:39.0	25.70
06/13/05 23:11:39.0	25.70
06/13/05 23:41:39.0	25.72
06/14/05 00:11:39.0	25.72
06/14/05 00:41:39.0	25.77
06/14/05 01:11:39.0	25.77
06/14/05 01:41:39.0	25.79
06/14/05 02:11:39.0	25.91
06/14/05 02:41:39.0	25.87
06/14/05 03:11:39.0	25.91
06/14/05 03:41:39.0	25.89
06/14/05 04:11:39.0	25.91
06/14/05 04:41:39.0	25.94
06/14/05 05:11:39.0	25.96
06/14/05 05:41:39.0	25.99
06/14/05 06:11:39.0	25.99
06/14/05 06:41:39.0	26.01
06/14/05 07:11:39.0	26.11
06/14/05 07:41:39.0	26.01
06/14/05 08:11:39.0	25.89
06/14/05 08:41:39.0	25.67
06/14/05 09:11:39.0	25.65
06/14/05 09:41:39.0	25.65
06/14/05 10:11:39.0	25.67
06/14/05 10:41:39.0	25.67
06/14/05 11:11:39.0	25.67
06/14/05 11:41:39.0	25.72
06/14/05 12:11:39.0	25.77
06/14/05 12:41:39.0	25.79
06/14/05 13:11:39.0	25.82
06/14/05 13:41:39.0	25.87
06/14/05 14:11:39.0	25.89
06/14/05 14:41:39.0	25.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/14/05 15:11:39.0	25.87
06/14/05 15:41:39.0	25.82
06/14/05 16:11:39.0	25.77
06/14/05 16:41:39.0	25.72
06/14/05 17:11:39.0	25.74
06/14/05 17:41:39.0	25.77
06/14/05 18:11:39.0	25.77
06/14/05 18:41:39.0	25.77
06/14/05 19:11:39.0	25.77
06/14/05 19:41:39.0	25.77
06/14/05 20:11:39.0	25.77
06/14/05 20:41:39.0	25.77
06/14/05 21:11:39.0	25.82
06/14/05 21:41:39.0	25.79
06/14/05 22:11:39.0	25.82
06/14/05 22:41:39.0	25.89
06/14/05 23:11:39.0	25.91
06/14/05 23:41:39.0	25.96
06/15/05 00:11:39.0	25.94
06/15/05 00:41:39.0	26.01
06/15/05 01:11:39.0	26.01
06/15/05 01:41:39.0	26.01
06/15/05 02:11:39.0	26.01
06/15/05 02:41:39.0	26.50
06/15/05 03:11:39.0	26.50
06/15/05 03:41:39.0	26.55
06/15/05 04:11:39.0	26.60
06/15/05 04:41:39.0	26.62
06/15/05 05:11:39.0	26.57
06/15/05 05:41:39.0	26.55
06/15/05 06:11:39.0	26.57
06/15/05 06:41:39.0	26.57
06/15/05 07:11:39.0	26.57
06/15/05 07:41:39.0	26.57
06/15/05 08:11:39.0	26.04
06/15/05 08:41:39.0	26.01
06/15/05 09:11:39.0	25.99
06/15/05 09:41:39.0	25.99
06/15/05 10:11:39.0	26.04
06/15/05 10:41:39.0	26.11
06/15/05 11:11:39.0	26.16
06/15/05 11:41:39.0	26.26
06/15/05 12:11:39.0	26.33
06/15/05 12:41:39.0	26.40
06/15/05 13:11:39.0	26.45
06/15/05 13:41:39.0	26.55
06/15/05 14:11:39.0	26.62
06/15/05 14:41:39.0	26.67
06/15/05 15:11:39.0	26.84
06/15/05 15:41:39.0	26.84
06/15/05 16:11:39.0	26.92
06/15/05 16:41:39.0	26.97
06/15/05 17:11:39.0	27.28
06/15/05 17:41:39.0	27.16
06/15/05 18:11:39.0	27.16
06/15/05 18:41:39.0	27.11
06/15/05 19:11:39.0	27.09
06/15/05 19:41:39.0	27.09
06/15/05 20:11:39.0	27.06

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/15/05 20:41:39.0	27.11
06/15/05 21:11:39.0	27.16
06/15/05 21:41:39.0	27.16
06/15/05 22:11:39.0	27.11
06/15/05 22:41:39.0	27.11
06/15/05 23:11:39.0	27.09
06/15/05 23:41:39.0	27.09
06/16/05 00:11:39.0	27.09
06/16/05 00:41:39.0	27.01
06/16/05 01:11:39.0	26.99
06/16/05 01:41:39.0	26.99
06/16/05 02:11:39.0	26.89
06/16/05 02:41:39.0	26.77
06/16/05 03:11:39.0	26.74
06/16/05 03:41:39.0	26.77
06/16/05 04:11:39.0	26.74
06/16/05 04:41:39.0	26.74
06/16/05 05:11:39.0	26.77
06/16/05 05:41:39.0	26.77
06/16/05 06:11:39.0	26.77
06/16/05 06:41:39.0	26.77
06/16/05 07:11:39.0	26.77
06/16/05 07:41:39.0	26.79
06/16/05 08:11:39.0	26.79
06/16/05 08:41:39.0	26.82
06/16/05 09:11:39.0	26.84
06/16/05 09:41:39.0	26.87
06/16/05 10:11:39.0	26.89
06/16/05 10:41:39.0	26.92
06/16/05 11:11:39.0	26.94
06/16/05 11:41:39.0	26.99
06/16/05 12:11:39.0	26.99
06/16/05 12:41:39.0	27.04
06/16/05 13:11:39.0	27.01
06/16/05 13:41:39.0	27.09
06/16/05 14:11:39.0	27.11
06/16/05 14:41:39.0	27.14
06/16/05 15:11:39.0	27.14
06/16/05 15:41:39.0	27.16
06/16/05 16:11:39.0	27.16
06/16/05 16:41:39.0	27.14
06/16/05 17:11:39.0	27.14
06/16/05 17:41:39.0	27.14
06/16/05 18:11:39.0	27.14
06/16/05 18:41:39.0	27.14
06/16/05 19:11:39.0	27.19
06/16/05 19:41:39.0	27.78
06/16/05 20:11:39.0	27.83
06/16/05 20:41:39.0	27.83
06/16/05 21:11:39.0	27.88
06/16/05 21:41:39.0	27.90
06/16/05 22:11:39.0	27.95
06/16/05 22:41:39.0	27.97
06/16/05 23:11:39.0	28.02
06/16/05 23:41:39.0	28.02
06/17/05 00:11:39.0	28.00
06/17/05 00:41:39.0	27.97
06/17/05 01:11:39.0	27.92
06/17/05 01:41:39.0	27.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/17/05 02:11:39.0	27.95
06/17/05 02:41:39.0	27.90
06/17/05 03:11:39.0	27.92
06/17/05 03:41:39.0	27.92
06/17/05 04:11:39.0	27.88
06/17/05 04:41:39.0	27.90
06/17/05 05:11:39.0	27.90
06/17/05 05:41:39.0	27.92
06/17/05 06:11:39.0	27.90
06/17/05 06:41:39.0	27.90
06/17/05 07:11:39.0	27.90
06/17/05 07:41:39.0	27.85
06/17/05 08:11:39.0	27.88
06/17/05 08:41:39.0	27.83
06/17/05 09:11:39.0	27.80
06/17/05 09:41:39.0	27.78
06/17/05 10:11:39.0	27.78
06/17/05 10:41:39.0	27.75
06/17/05 11:11:39.0	27.80
06/17/05 11:41:39.0	27.80
06/17/05 12:11:39.0	27.75
06/17/05 12:41:39.0	27.75
06/17/05 13:11:39.0	27.80
06/17/05 13:41:39.0	27.85
06/17/05 14:11:39.0	27.88
06/17/05 14:41:39.0	27.88
06/17/05 15:11:39.0	27.90
06/17/05 15:41:39.0	27.90
06/17/05 16:11:39.0	27.92
06/17/05 16:41:39.0	27.92
06/17/05 17:11:39.0	27.92
06/17/05 17:41:39.0	27.90
06/17/05 18:11:39.0	27.90
06/17/05 18:41:39.0	27.90
06/17/05 19:11:39.0	27.88
06/17/05 19:41:39.0	27.85
06/17/05 20:11:39.0	27.85
06/17/05 20:41:39.0	27.83
06/17/05 21:11:39.0	27.75
06/17/05 21:41:39.0	27.73
06/17/05 22:11:39.0	27.95
06/17/05 22:41:39.0	28.00
06/17/05 23:11:39.0	27.53
06/17/05 23:41:39.0	27.36
06/18/05 00:11:39.0	27.24
06/18/05 00:41:39.0	27.19
06/18/05 01:11:39.0	27.21
06/18/05 01:41:39.0	27.21
06/18/05 02:11:39.0	27.24
06/18/05 02:41:39.0	27.68
06/18/05 03:11:39.0	27.60
06/18/05 03:41:39.0	27.55
06/18/05 04:11:39.0	27.53
06/18/05 04:41:39.0	27.53
06/18/05 05:11:39.0	27.55
06/18/05 05:41:39.0	27.55
06/18/05 06:11:39.0	27.55
06/18/05 06:41:39.0	27.53
06/18/05 07:11:39.0	27.53

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/18/05 07:41:39.0	27.55
06/18/05 08:11:39.0	27.55
06/18/05 08:41:39.0	27.58
06/18/05 09:11:39.0	27.58
06/18/05 09:41:39.0	27.60
06/18/05 10:11:39.0	27.63
06/18/05 10:41:39.0	27.65
06/18/05 11:11:39.0	27.68
06/18/05 11:41:39.0	27.70
06/18/05 12:11:39.0	27.73
06/18/05 12:41:39.0	27.78
06/18/05 13:11:39.0	27.78
06/18/05 13:41:39.0	27.80
06/18/05 14:11:39.0	27.80
06/18/05 14:41:39.0	27.83
06/18/05 15:11:39.0	27.83
06/18/05 15:41:39.0	27.83
06/18/05 16:11:39.0	27.83
06/18/05 16:41:39.0	27.83
06/18/05 17:11:39.0	27.80
06/18/05 17:41:39.0	27.80
06/18/05 18:11:39.0	27.80
06/18/05 18:41:39.0	27.78
06/18/05 19:11:39.0	27.78
06/18/05 19:41:39.0	27.78
06/18/05 20:11:39.0	27.80
06/18/05 20:41:39.0	27.78
06/18/05 21:11:39.0	27.83
06/18/05 21:41:39.0	27.88
06/18/05 22:11:39.0	27.88
06/18/05 22:41:39.0	27.88
06/18/05 23:11:39.0	27.88
06/18/05 23:41:39.0	27.88
06/19/05 00:11:39.0	27.90
06/19/05 00:41:39.0	27.75
06/19/05 01:11:39.0	27.73
06/19/05 01:41:39.0	27.73
06/19/05 02:11:39.0	27.68
06/19/05 02:41:39.0	27.68
06/19/05 03:11:39.0	27.65
06/19/05 03:41:39.0	27.65
06/19/05 04:11:39.0	27.65
06/19/05 04:41:39.0	27.63
06/19/05 05:11:39.0	27.63
06/19/05 05:41:39.0	27.63
06/19/05 06:11:39.0	27.65
06/19/05 06:41:39.0	27.65
06/19/05 07:11:39.0	27.65
06/19/05 07:41:39.0	27.68
06/19/05 08:11:39.0	27.68
06/19/05 08:41:39.0	27.68
06/19/05 09:11:39.0	27.60
06/19/05 09:41:39.0	27.55
06/19/05 10:11:39.0	27.55
06/19/05 10:41:39.0	27.60
06/19/05 11:11:39.0	27.63
06/19/05 11:41:39.0	27.65
06/19/05 12:11:39.0	27.70
06/19/05 12:41:39.0	27.70

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/19/05 13:11:39.0	27.75
06/19/05 13:41:39.0	27.78
06/19/05 14:11:39.0	27.80
06/19/05 14:41:39.0	27.85
06/19/05 15:11:39.0	27.88
06/19/05 15:41:39.0	27.90
06/19/05 16:11:39.0	27.90
06/19/05 16:41:39.0	27.83
06/19/05 17:11:39.0	27.85
06/19/05 17:41:39.0	27.88
06/19/05 18:11:39.0	27.83
06/19/05 18:41:39.0	27.85
06/19/05 19:11:39.0	27.85
06/19/05 19:41:39.0	27.83
06/19/05 20:11:39.0	27.83
06/19/05 20:41:39.0	27.83
06/19/05 21:11:39.0	27.85
06/19/05 21:41:39.0	27.83
06/19/05 22:11:39.0	27.85
06/19/05 22:41:39.0	27.85
06/19/05 23:11:39.0	27.73
06/19/05 23:41:39.0	27.58
06/20/05 00:11:39.0	27.43
06/20/05 00:41:39.0	27.41
06/20/05 01:11:39.0	27.41
06/20/05 01:41:39.0	27.43
06/20/05 02:11:39.0	27.46
06/20/05 02:41:39.0	27.51
06/20/05 03:11:39.0	27.53
06/20/05 03:41:39.0	27.53
06/20/05 04:11:39.0	27.55
06/20/05 04:41:39.0	27.55
06/20/05 05:11:39.0	27.55
06/20/05 05:41:39.0	27.53
06/20/05 06:11:39.0	27.58
06/20/05 06:41:39.0	27.58
06/20/05 07:11:39.0	27.60
06/20/05 07:41:39.0	27.63
06/20/05 08:11:39.0	27.65
06/20/05 08:41:39.0	27.43
06/20/05 09:11:39.0	27.28
06/20/05 09:41:39.0	27.06
06/20/05 10:11:39.0	26.82
06/20/05 10:41:39.0	26.55
06/20/05 11:11:39.0	26.57
06/20/05 11:41:39.0	26.60
06/20/05 12:11:39.0	26.70
06/20/05 12:41:39.0	26.70
06/20/05 13:11:39.0	26.79
06/20/05 13:41:39.0	26.82
06/20/05 14:11:39.0	26.87
06/20/05 14:41:39.0	26.87
06/20/05 15:11:39.0	26.87
06/20/05 15:41:39.0	26.92
06/20/05 16:11:39.0	26.94
06/20/05 16:41:39.0	26.94
06/20/05 17:11:39.0	26.94
06/20/05 17:41:39.0	26.97
06/20/05 18:11:39.0	26.97

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/20/05 18:41:39.0	26.97
06/20/05 19:11:39.0	26.97
06/20/05 19:41:39.0	26.97
06/20/05 20:11:39.0	26.97
06/20/05 20:41:39.0	26.97
06/20/05 21:11:39.0	26.97
06/20/05 21:41:39.0	26.97
06/20/05 22:11:39.0	26.97
06/20/05 22:41:39.0	26.99
06/20/05 23:11:39.0	26.99
06/20/05 23:41:39.0	26.99
06/21/05 00:11:39.0	27.01
06/21/05 00:41:39.0	27.01
06/21/05 01:11:39.0	27.01
06/21/05 01:41:39.0	27.01
06/21/05 02:11:39.0	26.16
06/21/05 02:41:39.0	25.89
06/21/05 03:11:39.0	25.89
06/21/05 03:41:39.0	25.84
06/21/05 04:11:39.0	25.84
06/21/05 04:41:39.0	25.84
06/21/05 05:11:39.0	25.84
06/21/05 05:41:39.0	25.87
06/21/05 06:11:39.0	25.87
06/21/05 06:41:39.0	25.89
06/21/05 07:11:39.0	25.91
06/21/05 07:41:39.0	25.94
06/21/05 08:11:39.0	25.96
06/21/05 08:41:39.0	25.99
06/21/05 09:11:39.0	26.01
06/21/05 09:41:39.0	25.70
06/21/05 10:11:39.0	25.62
06/21/05 10:41:39.0	25.62
06/21/05 11:11:39.0	25.65
06/21/05 11:41:39.0	25.70
06/21/05 12:11:39.0	25.72
06/21/05 12:41:39.0	25.77
06/21/05 13:11:39.0	25.82
06/21/05 13:41:39.0	25.84
06/21/05 14:11:39.0	25.87
06/21/05 14:41:39.0	25.87
06/21/05 15:11:39.0	25.89
06/21/05 15:41:39.0	25.91
06/21/05 16:11:39.0	25.96
06/21/05 16:41:39.0	25.96
06/21/05 17:11:39.0	25.99
06/21/05 17:41:39.0	25.99
06/21/05 18:11:39.0	26.01
06/21/05 18:41:39.0	26.01
06/21/05 19:11:39.0	26.01
06/21/05 19:41:39.0	26.01
06/21/05 20:11:39.0	26.06
06/21/05 20:41:39.0	26.06
06/21/05 21:11:39.0	26.13
06/21/05 21:41:39.0	26.18
06/21/05 22:11:39.0	26.33
06/21/05 22:41:39.0	26.26
06/21/05 23:11:39.0	26.38
06/21/05 23:41:39.0	26.38

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/22/05 00:11:39.0	26.45
06/22/05 00:41:39.0	26.38
06/22/05 01:11:39.0	26.40
06/22/05 01:41:39.0	26.48
06/22/05 02:11:39.0	26.55
06/22/05 02:41:39.0	26.52
06/22/05 03:11:39.0	26.52
06/22/05 03:41:39.0	26.45
06/22/05 04:11:39.0	26.43
06/22/05 04:41:39.0	26.21
06/22/05 05:11:39.0	26.16
06/22/05 05:41:39.0	26.06
06/22/05 06:11:39.0	26.04
06/22/05 06:41:39.0	26.06
06/22/05 07:11:39.0	26.04
06/22/05 07:41:39.0	26.06
06/22/05 08:11:39.0	26.06
06/22/05 08:41:39.0	26.06
06/22/05 09:11:39.0	26.01
06/22/05 09:41:39.0	25.82
06/22/05 10:11:39.0	25.74
06/22/05 10:41:39.0	25.72
06/22/05 11:11:39.0	25.70
06/22/05 11:41:39.0	25.65
06/22/05 12:11:39.0	25.67
06/22/05 12:41:39.0	25.65
06/22/05 13:11:39.0	25.65
06/22/05 13:41:39.0	25.67
06/22/05 14:11:39.0	25.72
06/22/05 14:41:39.0	25.74
06/22/05 15:11:39.0	25.77
06/22/05 15:41:39.0	25.79
06/22/05 16:11:39.0	25.82
06/22/05 16:41:39.0	25.82
06/22/05 17:11:39.0	25.84
06/22/05 17:41:39.0	25.84
06/22/05 18:11:39.0	25.84
06/22/05 18:41:39.0	25.84
06/22/05 19:11:39.0	25.84
06/22/05 19:41:39.0	25.84
06/22/05 20:11:39.0	25.84
06/22/05 20:41:39.0	25.84
06/22/05 21:11:39.0	25.84
06/22/05 21:41:39.0	25.84
06/22/05 22:11:39.0	25.84
06/22/05 22:41:39.0	25.84
06/22/05 23:11:39.0	25.84
06/22/05 23:41:39.0	25.84
06/23/05 00:11:39.0	25.84
06/23/05 00:41:39.0	25.84
06/23/05 01:11:39.0	25.84
06/23/05 01:41:39.0	25.84
06/23/05 02:11:39.0	25.84
06/23/05 02:41:39.0	25.82
06/23/05 03:11:39.0	25.82
06/23/05 03:41:39.0	25.82
06/23/05 04:11:39.0	25.82
06/23/05 04:41:39.0	25.82
06/23/05 05:11:39.0	25.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/23/05 05:41:39.0	25.84
06/23/05 06:11:39.0	25.84
06/23/05 06:41:39.0	25.84
06/23/05 07:11:39.0	25.82
06/23/05 07:41:39.0	25.79
06/23/05 08:11:39.0	25.70
06/23/05 08:41:39.0	25.65
06/23/05 09:11:39.0	25.60
06/23/05 09:41:39.0	25.60
06/23/05 10:11:39.0	25.60
06/23/05 10:41:39.0	25.57
06/23/05 11:11:39.0	25.57
06/23/05 11:41:39.0	25.50
06/23/05 12:11:39.0	25.48
06/23/05 12:41:39.0	25.50
06/23/05 13:11:39.0	25.53
06/23/05 13:41:39.0	25.57
06/23/05 14:11:39.0	25.60
06/23/05 14:41:39.0	25.60
06/23/05 15:11:39.0	25.62
06/23/05 15:41:39.0	25.65
06/23/05 16:11:39.0	25.67
06/23/05 16:41:39.0	25.67
06/23/05 17:11:39.0	25.70
06/23/05 17:41:39.0	25.48
06/23/05 18:11:39.0	25.33
06/23/05 18:41:39.0	25.16
06/23/05 19:11:39.0	25.14
06/23/05 19:41:39.0	25.14
06/23/05 20:11:39.0	25.14
06/23/05 20:41:39.0	25.14
06/23/05 21:11:39.0	25.16
06/23/05 21:41:39.0	25.16
06/23/05 22:11:39.0	25.16
06/23/05 22:41:39.0	25.16
06/23/05 23:11:39.0	25.19
06/23/05 23:41:39.0	25.19
06/24/05 00:11:39.0	25.19
06/24/05 00:41:39.0	25.19
06/24/05 01:11:39.0	25.21
06/24/05 01:41:39.0	25.21
06/24/05 02:11:39.0	25.21
06/24/05 02:41:39.0	25.23
06/24/05 03:11:39.0	25.23
06/24/05 03:41:39.0	25.23
06/24/05 04:11:39.0	25.23
06/24/05 04:41:39.0	25.23
06/24/05 05:11:39.0	25.26
06/24/05 05:41:39.0	25.26
06/24/05 06:11:39.0	25.26
06/24/05 06:41:39.0	25.26
06/24/05 07:11:39.0	25.26
06/24/05 07:41:39.0	25.28
06/24/05 08:11:39.0	25.28
06/24/05 08:41:39.0	25.31
06/24/05 09:11:39.0	25.33
06/24/05 09:41:39.0	25.33
06/24/05 10:11:39.0	25.36
06/24/05 10:41:39.0	25.38

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/24/05 11:11:39.0	25.43
06/24/05 11:41:39.0	25.48
06/24/05 12:11:39.0	25.50
06/24/05 12:41:39.0	25.53
06/24/05 13:11:39.0	25.55
06/24/05 13:41:39.0	25.62
06/24/05 14:11:39.0	25.65
06/24/05 14:41:39.0	25.67
06/24/05 15:11:39.0	25.74
06/24/05 15:41:39.0	25.79
06/24/05 16:11:39.0	25.87
06/24/05 16:41:39.0	26.21
06/24/05 17:11:39.0	26.13
06/24/05 17:41:39.0	26.89
06/24/05 18:11:39.0	27.14
06/24/05 18:41:39.0	27.11
06/24/05 19:11:39.0	27.26
06/24/05 19:41:39.0	27.14
06/24/05 20:11:39.0	26.97
06/24/05 20:41:39.0	26.94
06/24/05 21:11:39.0	27.11
06/24/05 21:41:39.0	27.78
06/24/05 22:11:39.0	27.31
06/24/05 22:41:39.0	27.24
06/24/05 23:11:39.0	27.19
06/24/05 23:41:39.0	27.24
06/25/05 00:11:39.0	27.14
06/25/05 00:41:39.0	27.16
06/25/05 01:11:39.0	27.19
06/25/05 01:41:39.0	27.24
06/25/05 02:11:39.0	27.19
06/25/05 02:41:39.0	27.24
06/25/05 03:11:39.0	27.21
06/25/05 03:41:39.0	27.24
06/25/05 04:11:39.0	27.51
06/25/05 04:41:39.0	28.12
06/25/05 05:11:39.0	28.32
06/25/05 05:41:39.0	28.05
06/25/05 06:11:39.0	27.80
06/25/05 06:41:39.0	27.78
06/25/05 07:11:39.0	27.68
06/25/05 07:41:39.0	27.65
06/25/05 08:11:39.0	27.58
06/25/05 08:41:39.0	27.21
06/25/05 09:11:39.0	26.77
06/25/05 09:41:39.0	26.23
06/25/05 10:11:39.0	25.79
06/25/05 10:41:39.0	25.62
06/25/05 11:11:39.0	25.48
06/25/05 11:41:39.0	25.40
06/25/05 12:11:39.0	25.31
06/25/05 12:41:39.0	25.19
06/25/05 13:11:39.0	25.19
06/25/05 13:41:39.0	25.19
06/25/05 14:11:39.0	25.33
06/25/05 14:41:39.0	25.36
06/25/05 15:11:39.0	25.38
06/25/05 15:41:39.0	25.43
06/25/05 16:11:39.0	25.50

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/25/05 16:41:39.0	25.57
06/25/05 17:11:39.0	25.60
06/25/05 17:41:39.0	25.60
06/25/05 18:11:39.0	25.57
06/25/05 18:41:39.0	25.57
06/25/05 19:11:39.0	25.55
06/25/05 19:41:39.0	25.55
06/25/05 20:11:39.0	25.53
06/25/05 20:41:39.0	25.48
06/25/05 21:11:39.0	25.40
06/25/05 21:41:39.0	25.36
06/25/05 22:11:39.0	25.38
06/25/05 22:41:39.0	25.36
06/25/05 23:11:39.0	25.36
06/25/05 23:41:39.0	25.36
06/26/05 00:11:39.0	25.36
06/26/05 00:41:39.0	25.36
06/26/05 01:11:39.0	25.36
06/26/05 01:41:39.0	25.36
06/26/05 02:11:39.0	25.33
06/26/05 02:41:39.0	25.33
06/26/05 03:11:39.0	25.36
06/26/05 03:41:39.0	25.28
06/26/05 04:11:39.0	25.26
06/26/05 04:41:39.0	25.26
06/26/05 05:11:39.0	25.38
06/26/05 05:41:39.0	25.48
06/26/05 06:11:39.0	25.50
06/26/05 06:41:39.0	25.53
06/26/05 07:11:39.0	25.48
06/26/05 07:41:39.0	25.40
06/26/05 08:11:39.0	25.31
06/26/05 08:41:39.0	25.31
06/26/05 09:11:39.0	25.28
06/26/05 09:41:39.0	25.21
06/26/05 10:11:39.0	25.19
06/26/05 10:41:39.0	25.16
06/26/05 11:11:39.0	25.19
06/26/05 11:41:39.0	25.19
06/26/05 12:11:39.0	25.14
06/26/05 12:41:39.0	25.14
06/26/05 13:11:39.0	25.14
06/26/05 13:41:39.0	25.04
06/26/05 14:11:39.0	24.99
06/26/05 14:41:39.0	24.97
06/26/05 15:11:39.0	24.94
06/26/05 15:41:39.0	24.92
06/26/05 16:11:39.0	24.90
06/26/05 16:41:39.0	24.87
06/26/05 17:11:39.0	24.87
06/26/05 17:41:39.0	24.82
06/26/05 18:11:39.0	24.82
06/26/05 18:41:39.0	24.82
06/26/05 19:11:39.0	24.80
06/26/05 19:41:39.0	24.80
06/26/05 20:11:39.0	24.80
06/26/05 20:41:39.0	24.75
06/26/05 21:11:39.0	24.70
06/26/05 21:41:39.0	24.70

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/26/05 22:11:39.0	24.65
06/26/05 22:41:39.0	24.63
06/26/05 23:11:39.0	24.63
06/26/05 23:41:39.0	24.63
06/27/05 00:11:39.0	24.61
06/27/05 00:41:39.0	24.61
06/27/05 01:11:39.0	24.61
06/27/05 01:41:39.0	24.61
06/27/05 02:11:39.0	24.63
06/27/05 02:41:39.0	24.63
06/27/05 03:11:39.0	24.82
06/27/05 03:41:39.0	24.82
06/27/05 04:11:39.0	24.82
06/27/05 04:41:39.0	24.82
06/27/05 05:11:39.0	24.80
06/27/05 05:41:39.0	24.77
06/27/05 06:11:39.0	24.77
06/27/05 06:41:39.0	24.80
06/27/05 07:11:39.0	24.80
06/27/05 07:41:39.0	24.80
06/27/05 08:11:39.0	24.80
06/27/05 08:41:39.0	24.75
06/27/05 09:11:39.0	24.73
06/27/05 09:41:39.0	24.70
06/27/05 10:11:39.0	24.73
06/27/05 10:41:39.0	24.70
06/27/05 11:11:39.0	24.70
06/27/05 11:41:39.0	24.73
06/27/05 12:11:39.0	24.75
06/27/05 12:41:39.0	24.77
06/27/05 13:11:39.0	24.70
06/27/05 13:41:39.0	24.61
06/27/05 14:11:39.0	24.65
06/27/05 14:41:39.0	24.77
06/27/05 15:11:39.0	24.97
06/27/05 15:41:39.0	25.19
06/27/05 16:11:39.0	25.62
06/27/05 16:41:39.0	26.11
06/27/05 17:11:39.0	26.23
06/27/05 17:41:39.0	26.30
06/27/05 18:11:39.0	26.38
06/27/05 18:41:39.0	26.35
06/27/05 19:11:39.0	26.38
06/27/05 19:41:39.0	26.33
06/27/05 20:11:39.0	26.21
06/27/05 20:41:39.0	26.18
06/27/05 21:11:39.0	26.16
06/27/05 21:41:39.0	25.84
06/27/05 22:11:39.0	25.57
06/27/05 22:41:39.0	25.33
06/27/05 23:11:39.0	25.07
06/27/05 23:41:39.0	24.99
06/28/05 00:11:39.0	24.87
06/28/05 00:41:39.0	24.80
06/28/05 01:11:39.0	24.73
06/28/05 01:41:39.0	24.70
06/28/05 02:11:39.0	24.70
06/28/05 02:41:39.0	24.70
06/28/05 03:11:39.0	24.70

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/28/05 03:41:39.0	24.70
06/28/05 04:11:39.0	24.70
06/28/05 04:41:39.0	24.70
06/28/05 05:11:39.0	24.73
06/28/05 05:41:39.0	24.73
06/28/05 06:11:39.0	24.75
06/28/05 06:41:39.0	24.75
06/28/05 07:11:39.0	24.75
06/28/05 07:41:39.0	24.75
06/28/05 08:11:39.0	24.75
06/28/05 08:41:39.0	24.77
06/28/05 09:11:39.0	24.80
06/28/05 09:41:39.0	24.80
06/28/05 10:11:39.0	24.82
06/28/05 10:41:39.0	24.85
06/28/05 11:11:39.0	24.87
06/28/05 11:41:39.0	24.92
06/28/05 12:11:39.0	24.92
06/28/05 12:41:39.0	24.97
06/28/05 13:11:39.0	24.99
06/28/05 13:41:39.0	25.04
06/28/05 14:11:39.0	25.07
06/28/05 14:41:39.0	25.09
06/28/05 15:11:39.0	25.11
06/28/05 15:41:39.0	25.11
06/28/05 16:11:39.0	25.14
06/28/05 16:41:39.0	25.16
06/28/05 17:11:39.0	25.16
06/28/05 17:41:39.0	25.16
06/28/05 18:11:39.0	25.14
06/28/05 18:41:39.0	25.14
06/28/05 19:11:39.0	24.48
06/28/05 19:41:39.0	24.41
06/28/05 20:11:39.0	24.51
06/28/05 20:41:39.0	24.53
06/28/05 21:11:39.0	24.58
06/28/05 21:41:39.0	24.56
06/28/05 22:11:39.0	24.46
06/28/05 22:41:39.0	24.46
06/28/05 23:11:39.0	24.51
06/28/05 23:41:39.0	24.46
06/29/05 00:11:39.0	24.44
06/29/05 00:41:39.0	24.41
06/29/05 01:11:39.0	24.41
06/29/05 01:41:39.0	24.44
06/29/05 02:11:39.0	24.41
06/29/05 02:41:39.0	24.44
06/29/05 03:11:39.0	24.44
06/29/05 03:41:39.0	24.44
06/29/05 04:11:39.0	24.46
06/29/05 04:41:39.0	24.44
06/29/05 05:11:39.0	24.46
06/29/05 05:41:39.0	24.46
06/29/05 06:11:39.0	24.46
06/29/05 06:41:39.0	24.51
06/29/05 07:11:39.0	24.51
06/29/05 07:41:39.0	24.51
06/29/05 08:11:39.0	24.53
06/29/05 08:41:39.0	24.53

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/29/05 09:11:39.0	24.56
06/29/05 09:41:39.0	24.58
06/29/05 10:11:39.0	24.61
06/29/05 10:41:39.0	24.63
06/29/05 11:11:39.0	24.63
06/29/05 11:41:39.0	24.68
06/29/05 12:11:39.0	24.70
06/29/05 12:41:39.0	24.77
06/29/05 13:11:39.0	24.77
06/29/05 13:41:39.0	24.77
06/29/05 14:11:39.0	24.80
06/29/05 14:41:39.0	24.90
06/29/05 15:11:39.0	24.90
06/29/05 15:41:39.0	24.92
06/29/05 16:11:39.0	24.97
06/29/05 16:41:39.0	25.02
06/29/05 17:11:39.0	25.04
06/29/05 17:41:39.0	25.07
06/29/05 18:11:39.0	25.04
06/29/05 18:41:39.0	25.09
06/29/05 19:11:39.0	25.09
06/29/05 19:41:39.0	25.11
06/29/05 20:11:39.0	25.38
06/29/05 20:41:39.0	25.31
06/29/05 21:11:39.0	25.07
06/29/05 21:41:39.0	24.99
06/29/05 22:11:39.0	24.97
06/29/05 22:41:39.0	24.94
06/29/05 23:11:39.0	24.97
06/29/05 23:41:39.0	24.97
06/30/05 00:11:39.0	24.97
06/30/05 00:41:39.0	24.99
06/30/05 01:11:39.0	25.02
06/30/05 01:41:39.0	25.02
06/30/05 02:11:39.0	25.02
06/30/05 02:41:39.0	25.04
06/30/05 03:11:39.0	25.04
06/30/05 03:41:39.0	25.09
06/30/05 04:11:39.0	25.09
06/30/05 04:41:39.0	25.09
06/30/05 05:11:39.0	25.11
06/30/05 05:41:39.0	25.04
06/30/05 06:11:39.0	24.92
06/30/05 06:41:39.0	24.85
06/30/05 07:11:39.0	24.90
06/30/05 07:41:39.0	24.90
06/30/05 08:11:39.0	24.90
06/30/05 08:41:39.0	24.92
06/30/05 09:11:39.0	24.94
06/30/05 09:41:39.0	24.94
06/30/05 10:11:39.0	24.97
06/30/05 10:41:39.0	25.02
06/30/05 11:11:39.0	25.04
06/30/05 11:41:39.0	25.09
06/30/05 12:11:39.0	25.11
06/30/05 12:41:39.0	25.16
06/30/05 13:11:39.0	25.21
06/30/05 13:41:39.0	25.31
06/30/05 14:11:39.0	25.36

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
06/30/05 14:41:39.0	25.43
06/30/05 15:11:39.0	25.82
06/30/05 15:41:39.0	26.23
06/30/05 16:11:39.0	26.48
06/30/05 16:41:39.0	26.38
06/30/05 17:11:39.0	26.28
06/30/05 17:41:39.0	26.45
06/30/05 18:11:39.0	26.40
06/30/05 18:41:39.0	26.30
06/30/05 19:11:39.0	26.28
06/30/05 19:41:39.0	26.43
06/30/05 20:11:39.0	26.43
06/30/05 20:41:39.0	26.50
06/30/05 21:11:39.0	26.55
06/30/05 21:41:39.0	26.57
06/30/05 22:11:39.0	26.77
06/30/05 22:41:39.0	26.79
06/30/05 23:11:39.0	26.92
06/30/05 23:41:39.0	27.21
07/01/05 00:11:39.0	27.24
07/01/05 00:41:39.0	27.43
07/01/05 01:11:39.0	27.43
07/01/05 01:41:39.0	27.53
07/01/05 02:11:39.0	27.33
07/01/05 02:41:39.0	27.24
07/01/05 03:11:39.0	26.89
07/01/05 03:41:39.0	26.35
07/01/05 04:11:39.0	26.09
07/01/05 04:41:39.0	25.77
07/01/05 05:11:39.0	25.57
07/01/05 05:41:39.0	25.45
07/01/05 06:11:39.0	25.43
07/01/05 06:41:39.0	25.43
07/01/05 07:11:39.0	25.43
07/01/05 07:41:39.0	25.45
07/01/05 08:11:39.0	25.45
07/01/05 08:41:39.0	25.45
07/01/05 09:11:39.0	25.48
07/01/05 09:41:39.0	25.50
07/01/05 10:11:39.0	25.74
07/01/05 10:41:39.0	26.30
07/01/05 11:11:39.0	26.72
07/01/05 11:41:39.0	27.24
07/01/05 12:11:39.0	27.43
07/01/05 12:41:39.0	27.41
07/01/05 13:11:39.0	27.43
07/01/05 13:41:39.0	27.51
07/01/05 14:11:39.0	27.60
07/01/05 14:41:39.0	27.70
07/01/05 15:11:39.0	27.80
07/01/05 15:41:39.0	27.88
07/01/05 16:11:39.0	27.92
07/01/05 16:41:39.0	28.00
07/01/05 17:11:39.0	27.97
07/01/05 17:41:39.0	27.85
07/01/05 18:11:39.0	27.83
07/01/05 18:41:39.0	27.80
07/01/05 19:11:39.0	27.80
07/01/05 19:41:39.0	27.80

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/01/05 20:11:39.0	27.83
07/01/05 20:41:39.0	27.83
07/01/05 21:11:39.0	27.88
07/01/05 21:41:39.0	27.90
07/01/05 22:11:39.0	27.88
07/01/05 22:41:39.0	27.90
07/01/05 23:11:39.0	27.92
07/01/05 23:41:39.0	28.00
07/02/05 00:11:39.0	28.35
07/02/05 00:41:39.0	28.59
07/02/05 01:11:39.0	28.74
07/02/05 01:41:39.0	28.67
07/02/05 02:11:39.0	28.57
07/02/05 02:41:39.0	28.47
07/02/05 03:11:39.0	28.30
07/02/05 03:41:39.0	28.20
07/02/05 04:11:39.0	28.07
07/02/05 04:41:39.0	27.68
07/02/05 05:11:39.0	27.41
07/02/05 05:41:39.0	27.24
07/02/05 06:11:39.0	27.16
07/02/05 06:41:39.0	27.04
07/02/05 07:11:39.0	26.97
07/02/05 07:41:39.0	26.94
07/02/05 08:11:39.0	26.84
07/02/05 08:41:39.0	26.74
07/02/05 09:11:39.0	26.70
07/02/05 09:41:39.0	26.65
07/02/05 10:11:39.0	26.65
07/02/05 10:41:39.0	26.65
07/02/05 11:11:39.0	26.70
07/02/05 11:41:39.0	26.74
07/02/05 12:11:39.0	26.77
07/02/05 12:41:39.0	26.79
07/02/05 13:11:39.0	26.84
07/02/05 13:41:39.0	27.09
07/02/05 14:11:39.0	27.28
07/02/05 14:41:39.0	27.53
07/02/05 15:11:39.0	27.83
07/02/05 15:41:39.0	28.20
07/02/05 16:11:39.0	28.32
07/02/05 16:41:39.0	28.27
07/02/05 17:11:39.0	28.20
07/02/05 17:41:39.0	28.15
07/02/05 18:11:39.0	28.12
07/02/05 18:41:39.0	28.10
07/02/05 19:11:39.0	28.05
07/02/05 19:41:39.0	28.05
07/02/05 20:11:39.0	28.07
07/02/05 20:41:39.0	28.07
07/02/05 21:11:39.0	28.05
07/02/05 21:41:39.0	28.05
07/02/05 22:11:39.0	28.05
07/02/05 22:41:39.0	28.07
07/02/05 23:11:39.0	28.05
07/02/05 23:41:39.0	28.05
07/03/05 00:11:39.0	28.07
07/03/05 00:41:39.0	28.07
07/03/05 01:11:39.0	28.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/03/05 01:41:39.0	28.10
07/03/05 02:11:39.0	28.74
07/03/05 02:41:39.0	28.92
07/03/05 03:11:39.0	28.99
07/03/05 03:41:39.0	28.99
07/03/05 04:11:39.0	28.99
07/03/05 04:41:39.0	28.94
07/03/05 05:11:39.0	28.92
07/03/05 05:41:39.0	28.92
07/03/05 06:11:39.0	28.87
07/03/05 06:41:39.0	28.87
07/03/05 07:11:39.0	28.89
07/03/05 07:41:39.0	28.94
07/03/05 08:11:39.0	28.99
07/03/05 08:41:39.0	29.02
07/03/05 09:11:39.0	28.92
07/03/05 09:41:39.0	28.94
07/03/05 10:11:39.0	28.94
07/03/05 10:41:39.0	28.97
07/03/05 11:11:39.0	28.97
07/03/05 11:41:39.0	29.02
07/03/05 12:11:39.0	29.02
07/03/05 12:41:39.0	29.04
07/03/05 13:11:39.0	29.07
07/03/05 13:41:39.0	29.09
07/03/05 14:11:39.0	29.12
07/03/05 14:41:39.0	29.12
07/03/05 15:11:39.0	29.12
07/03/05 15:41:39.0	29.04
07/03/05 16:11:39.0	28.97
07/03/05 16:41:39.0	28.97
07/03/05 17:11:39.0	28.99
07/03/05 17:41:39.0	28.94
07/03/05 18:11:39.0	28.92
07/03/05 18:41:39.0	28.89
07/03/05 19:11:39.0	28.84
07/03/05 19:41:39.0	28.79
07/03/05 20:11:39.0	28.79
07/03/05 20:41:39.0	28.79
07/03/05 21:11:39.0	28.79
07/03/05 21:41:39.0	28.79
07/03/05 22:11:39.0	28.79
07/03/05 22:41:39.0	28.74
07/03/05 23:11:39.0	28.69
07/03/05 23:41:39.0	28.64
07/04/05 00:11:39.0	28.62
07/04/05 00:41:39.0	28.59
07/04/05 01:11:39.0	28.64
07/04/05 01:41:39.0	28.67
07/04/05 02:11:39.0	28.57
07/04/05 02:41:39.0	28.37
07/04/05 03:11:39.0	28.35
07/04/05 03:41:39.0	28.42
07/04/05 04:11:39.0	28.44
07/04/05 04:41:39.0	28.52
07/04/05 05:11:39.0	28.59
07/04/05 05:41:39.0	28.64
07/04/05 06:11:39.0	28.64
07/04/05 06:41:39.0	28.69

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/04/05 07:11:39.0	28.77
07/04/05 07:41:39.0	28.82
07/04/05 08:11:39.0	28.84
07/04/05 08:41:39.0	28.92
07/04/05 09:11:39.0	28.94
07/04/05 09:41:39.0	28.97
07/04/05 10:11:39.0	28.99
07/04/05 10:41:39.0	29.02
07/04/05 11:11:39.0	29.02
07/04/05 11:41:39.0	28.97
07/04/05 12:11:39.0	28.94
07/04/05 12:41:39.0	28.94
07/04/05 13:11:39.0	28.87
07/04/05 13:41:39.0	28.77
07/04/05 14:11:39.0	28.77
07/04/05 14:41:39.0	28.77
07/04/05 15:11:39.0	28.82
07/04/05 15:41:39.0	28.72
07/04/05 16:11:39.0	28.69
07/04/05 16:41:39.0	28.69
07/04/05 17:11:39.0	28.69
07/04/05 17:41:39.0	28.69
07/04/05 18:11:39.0	28.67
07/04/05 18:41:39.0	28.62
07/04/05 19:11:39.0	28.54
07/04/05 19:41:39.0	28.37
07/04/05 20:11:39.0	28.42
07/04/05 20:41:39.0	28.47
07/04/05 21:11:39.0	28.32
07/04/05 21:41:39.0	28.35
07/04/05 22:11:39.0	28.47
07/04/05 22:41:39.0	28.32
07/04/05 23:11:39.0	28.35
07/04/05 23:41:39.0	28.20
07/05/05 00:11:39.0	28.17
07/05/05 00:41:39.0	28.22
07/05/05 01:11:39.0	28.20
07/05/05 01:41:39.0	28.05
07/05/05 02:11:39.0	27.92
07/05/05 02:41:39.0	27.73
07/05/05 03:11:39.0	27.68
07/05/05 03:41:39.0	27.65
07/05/05 04:11:39.0	27.63
07/05/05 04:41:39.0	27.60
07/05/05 05:11:39.0	27.58
07/05/05 05:41:39.0	27.58
07/05/05 06:11:39.0	27.55
07/05/05 06:41:39.0	27.55
07/05/05 07:11:39.0	27.58
07/05/05 07:41:39.0	27.58
07/05/05 08:11:39.0	27.58
07/05/05 08:41:39.0	27.60
07/05/05 09:11:39.0	27.60
07/05/05 09:41:39.0	27.63
07/05/05 10:11:39.0	27.63
07/05/05 10:41:39.0	27.60
07/05/05 11:11:39.0	27.60
07/05/05 11:41:39.0	27.58
07/05/05 12:11:39.0	27.51

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/05/05 12:41:39.0	27.41
07/05/05 13:11:39.0	27.21
07/05/05 13:41:39.0	27.28
07/05/05 14:11:39.0	27.36
07/05/05 14:41:39.0	27.51
07/05/05 15:11:39.0	27.63
07/05/05 15:41:39.0	27.65
07/05/05 16:11:39.0	27.68
07/05/05 16:41:39.0	27.68
07/05/05 17:11:39.0	27.65
07/05/05 17:41:39.0	27.63
07/05/05 18:11:39.0	27.48
07/05/05 18:41:39.0	27.36
07/05/05 19:11:39.0	27.43
07/05/05 19:41:39.0	27.48
07/05/05 20:11:39.0	27.51
07/05/05 20:41:39.0	27.53
07/05/05 21:11:39.0	27.55
07/05/05 21:41:39.0	27.55
07/05/05 22:11:39.0	27.58
07/05/05 22:41:39.0	27.58
07/05/05 23:11:39.0	27.58
07/05/05 23:41:39.0	27.55
07/06/05 00:11:39.0	27.53
07/06/05 00:41:39.0	27.53
07/06/05 01:11:39.0	27.53
07/06/05 01:41:39.0	27.51
07/06/05 02:11:39.0	27.48
07/06/05 02:41:39.0	27.46
07/06/05 03:11:39.0	27.46
07/06/05 03:41:39.0	27.46
07/06/05 04:11:39.0	27.46
07/06/05 04:41:39.0	27.48
07/06/05 05:11:39.0	27.48
07/06/05 05:41:39.0	27.46
07/06/05 06:11:39.0	27.43
07/06/05 06:41:39.0	27.43
07/06/05 07:11:39.0	27.38
07/06/05 07:41:39.0	27.33
07/06/05 08:11:39.0	27.38
07/06/05 08:41:39.0	27.36
07/06/05 09:11:39.0	27.33
07/06/05 09:41:39.0	27.33
07/06/05 10:11:39.0	27.31
07/06/05 10:41:39.0	27.28
07/06/05 11:11:39.0	27.28
07/06/05 11:41:39.0	27.24
07/06/05 12:11:39.0	27.21
07/06/05 12:41:39.0	27.16
07/06/05 13:11:39.0	27.11
07/06/05 13:41:39.0	27.21
07/06/05 14:11:39.0	27.06
07/06/05 14:41:39.0	26.97
07/06/05 15:11:39.0	26.79
07/06/05 15:41:39.0	26.67
07/06/05 16:11:39.0	26.57
07/06/05 16:41:39.0	26.26
07/06/05 17:11:39.0	26.18
07/06/05 17:41:39.0	26.11

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/06/05 18:11:39.0	26.01
07/06/05 18:41:39.0	26.01
07/06/05 19:11:39.0	25.91
07/06/05 19:41:39.0	25.91
07/06/05 20:11:39.0	25.89
07/06/05 20:41:39.0	25.79
07/06/05 21:11:39.0	25.72
07/06/05 21:41:39.0	25.67
07/06/05 22:11:39.0	25.65
07/06/05 22:41:39.0	25.65
07/06/05 23:11:39.0	25.62
07/06/05 23:41:39.0	25.65
07/07/05 00:11:39.0	25.77
07/07/05 00:41:39.0	25.82
07/07/05 01:11:39.0	25.87
07/07/05 01:41:39.0	25.82
07/07/05 02:11:39.0	25.67
07/07/05 02:41:39.0	25.62
07/07/05 03:11:39.0	25.65
07/07/05 03:41:39.0	25.65
07/07/05 04:11:39.0	25.65
07/07/05 04:41:39.0	25.62
07/07/05 05:11:39.0	25.62
07/07/05 05:41:39.0	25.65
07/07/05 06:11:39.0	25.65
07/07/05 06:41:39.0	25.65
07/07/05 07:11:39.0	25.67
07/07/05 07:41:39.0	25.67
07/07/05 08:11:39.0	25.70
07/07/05 08:41:39.0	25.77
07/07/05 09:11:39.0	25.77
07/07/05 09:41:39.0	25.79
07/07/05 10:11:39.0	25.84
07/07/05 10:41:39.0	25.89
07/07/05 11:11:39.0	25.96
07/07/05 11:41:39.0	26.04
07/07/05 12:11:39.0	26.09
07/07/05 12:41:39.0	26.16
07/07/05 13:11:39.0	26.18
07/07/05 13:41:39.0	26.38
07/07/05 14:11:39.0	27.90
07/07/05 14:41:39.0	28.00
07/07/05 15:11:39.0	27.85
07/07/05 15:41:39.0	27.68
07/07/05 16:11:39.0	27.70
07/07/05 16:41:39.0	27.70
07/07/05 17:11:39.0	27.63
07/07/05 17:41:39.0	27.58
07/07/05 18:11:39.0	27.43
07/07/05 18:41:39.0	27.31
07/07/05 19:11:39.0	27.33
07/07/05 19:41:39.0	27.41
07/07/05 20:11:39.0	27.58
07/07/05 20:41:39.0	27.63
07/07/05 21:11:39.0	27.58
07/07/05 21:41:39.0	27.14
07/07/05 22:11:39.0	26.45
07/07/05 22:41:39.0	26.28
07/07/05 23:11:39.0	26.26

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/07/05 23:41:39.0	26.23
07/08/05 00:11:39.0	26.33
07/08/05 00:41:39.0	26.40
07/08/05 01:11:39.0	26.52
07/08/05 01:41:39.0	26.52
07/08/05 02:11:39.0	26.55
07/08/05 02:41:39.0	26.57
07/08/05 03:11:39.0	26.60
07/08/05 03:41:39.0	26.62
07/08/05 04:11:39.0	26.72
07/08/05 04:41:39.0	26.72
07/08/05 05:11:39.0	26.67
07/08/05 05:41:39.0	26.82
07/08/05 06:11:39.0	26.82
07/08/05 06:41:39.0	26.79
07/08/05 07:11:39.0	26.79
07/08/05 07:41:39.0	26.82
07/08/05 08:11:39.0	26.82
07/08/05 08:41:39.0	26.82
07/08/05 09:11:39.0	26.84
07/08/05 09:41:39.0	26.87
07/08/05 10:11:39.0	26.92
07/08/05 10:41:39.0	26.92
07/08/05 11:11:39.0	26.94
07/08/05 11:41:39.0	27.01
07/08/05 12:11:39.0	27.28
07/08/05 12:41:39.0	27.16
07/08/05 13:11:39.0	27.33
07/08/05 13:41:39.0	27.51
07/08/05 14:11:39.0	27.55
07/08/05 14:41:39.0	27.58
07/08/05 15:11:39.0	27.58
07/08/05 15:41:39.0	27.65
07/08/05 16:11:39.0	27.78
07/08/05 16:41:39.0	27.80
07/08/05 17:11:39.0	27.80
07/08/05 17:41:39.0	27.78
07/08/05 18:11:39.0	27.78
07/08/05 18:41:39.0	27.75
07/08/05 19:11:39.0	27.68
07/08/05 19:41:39.0	27.65
07/08/05 20:11:39.0	27.65
07/08/05 20:41:39.0	27.63
07/08/05 21:11:39.0	27.55
07/08/05 21:41:39.0	27.24
07/08/05 22:11:39.0	27.06
07/08/05 22:41:39.0	27.04
07/08/05 23:11:39.0	27.14
07/08/05 23:41:39.0	27.19
07/09/05 00:11:39.0	27.09
07/09/05 00:41:39.0	27.11
07/09/05 01:11:39.0	27.09
07/09/05 01:41:39.0	27.11
07/09/05 02:11:39.0	27.14
07/09/05 02:41:39.0	27.14
07/09/05 03:11:39.0	27.16
07/09/05 03:41:39.0	27.16
07/09/05 04:11:39.0	27.16
07/09/05 04:41:39.0	27.21

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/09/05 05:11:39.0	27.26
07/09/05 05:41:39.0	27.33
07/09/05 06:11:39.0	27.33
07/09/05 06:41:39.0	27.38
07/09/05 07:11:39.0	27.43
07/09/05 07:41:39.0	27.51
07/09/05 08:11:39.0	27.58
07/09/05 08:41:39.0	27.65
07/09/05 09:11:39.0	27.70
07/09/05 09:41:39.0	27.95
07/09/05 10:11:39.0	27.97
07/09/05 10:41:39.0	27.90
07/09/05 11:11:39.0	27.92
07/09/05 11:41:39.0	27.92
07/09/05 12:11:39.0	27.95
07/09/05 12:41:39.0	27.97
07/09/05 13:11:39.0	28.05
07/09/05 13:41:39.0	28.05
07/09/05 14:11:39.0	28.10
07/09/05 14:41:39.0	28.12
07/09/05 15:11:39.0	28.15
07/09/05 15:41:39.0	28.15
07/09/05 16:11:39.0	28.17
07/09/05 16:41:39.0	28.17
07/09/05 17:11:39.0	28.20
07/09/05 17:41:39.0	28.17
07/09/05 18:11:39.0	28.20
07/09/05 18:41:39.0	28.17
07/09/05 19:11:39.0	28.20
07/09/05 19:41:39.0	28.20
07/09/05 20:11:39.0	28.20
07/09/05 20:41:39.0	28.20
07/09/05 21:11:39.0	28.20
07/09/05 21:41:39.0	28.17
07/09/05 22:11:39.0	28.12
07/09/05 22:41:39.0	28.02
07/09/05 23:11:39.0	27.97
07/09/05 23:41:39.0	28.02
07/10/05 00:11:39.0	28.02
07/10/05 00:41:39.0	28.07
07/10/05 01:11:39.0	28.10
07/10/05 01:41:39.0	28.15
07/10/05 02:11:39.0	28.32
07/10/05 02:41:39.0	28.35
07/10/05 03:11:39.0	28.52
07/10/05 03:41:39.0	28.44
07/10/05 04:11:39.0	28.52
07/10/05 04:41:39.0	28.54
07/10/05 05:11:39.0	28.54
07/10/05 05:41:39.0	28.62
07/10/05 06:11:39.0	28.59
07/10/05 06:41:39.0	28.64
07/10/05 07:11:39.0	28.62
07/10/05 07:41:39.0	28.64
07/10/05 08:11:39.0	28.67
07/10/05 08:41:39.0	28.67
07/10/05 09:11:39.0	28.72
07/10/05 09:41:39.0	28.72
07/10/05 10:11:39.0	28.74

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/10/05 10:41:39.0	28.77
07/10/05 11:11:39.0	28.72
07/10/05 11:41:39.0	28.67
07/10/05 12:11:39.0	28.57
07/10/05 12:41:39.0	28.59
07/10/05 13:11:39.0	28.59
07/10/05 13:41:39.0	28.59
07/10/05 14:11:39.0	28.59
07/10/05 14:41:39.0	28.59
07/10/05 15:11:39.0	28.62
07/10/05 15:41:39.0	28.64
07/10/05 16:11:39.0	28.67
07/10/05 16:41:39.0	28.67
07/10/05 17:11:39.0	28.69
07/10/05 17:41:39.0	28.72
07/10/05 18:11:39.0	28.74
07/10/05 18:41:39.0	28.69
07/10/05 19:11:39.0	28.67
07/10/05 19:41:39.0	28.67
07/10/05 20:11:39.0	28.67
07/10/05 20:41:39.0	28.67
07/10/05 21:11:39.0	28.69
07/10/05 21:41:39.0	28.69
07/10/05 22:11:39.0	28.69
07/10/05 22:41:39.0	28.69
07/10/05 23:11:39.0	28.69
07/10/05 23:41:39.0	28.69
07/11/05 00:11:39.0	28.67
07/11/05 00:41:39.0	28.67
07/11/05 01:11:39.0	28.67
07/11/05 01:41:39.0	28.67
07/11/05 02:11:39.0	28.67
07/11/05 02:41:39.0	28.67
07/11/05 03:11:39.0	28.64
07/11/05 03:41:39.0	28.62
07/11/05 04:11:39.0	28.59
07/11/05 04:41:39.0	28.57
07/11/05 05:11:39.0	28.57
07/11/05 05:41:39.0	28.54
07/11/05 06:11:39.0	28.57
07/11/05 06:41:39.0	28.54
07/11/05 07:11:39.0	28.57
07/11/05 07:41:39.0	28.57
07/11/05 08:11:39.0	28.59
07/11/05 08:41:39.0	28.69
07/11/05 09:11:39.0	28.67
07/11/05 09:41:39.0	28.62
07/11/05 10:11:39.0	28.54
07/11/05 10:41:39.0	28.49
07/11/05 11:11:39.0	28.52
07/11/05 11:41:39.0	28.52
07/11/05 12:11:39.0	28.52
07/11/05 12:41:39.0	28.49
07/11/05 13:11:39.0	28.49
07/11/05 13:41:39.0	28.49
07/11/05 14:11:39.0	28.52
07/11/05 14:41:39.0	28.59
07/11/05 15:11:39.0	28.62
07/11/05 15:41:39.0	28.69

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/11/05 16:11:39.0	28.69
07/11/05 16:41:39.0	28.67
07/11/05 17:11:39.0	28.64
07/11/05 17:41:39.0	28.67
07/11/05 18:11:39.0	28.67
07/11/05 18:41:39.0	28.74
07/11/05 19:11:39.0	28.74
07/11/05 19:41:39.0	28.72
07/11/05 20:11:39.0	28.74
07/11/05 20:41:39.0	28.74
07/11/05 21:11:39.0	28.74
07/11/05 21:41:39.0	28.72
07/11/05 22:11:39.0	28.72
07/11/05 22:41:39.0	28.72
07/11/05 23:11:39.0	28.72
07/11/05 23:41:39.0	28.72
07/12/05 00:11:39.0	28.72
07/12/05 00:41:39.0	28.72
07/12/05 01:11:39.0	28.72
07/12/05 01:41:39.0	28.72
07/12/05 02:11:39.0	28.72
07/12/05 02:41:39.0	28.72
07/12/05 03:11:39.0	28.72
07/12/05 03:41:39.0	28.62
07/12/05 04:11:39.0	27.51
07/12/05 04:41:39.0	26.82
07/12/05 05:11:39.0	26.77
07/12/05 05:41:39.0	26.77
07/12/05 06:11:39.0	26.94
07/12/05 06:41:39.0	27.16
07/12/05 07:11:39.0	27.31
07/12/05 07:41:39.0	27.19
07/12/05 08:11:39.0	27.01
07/12/05 08:41:39.0	26.94
07/12/05 09:11:39.0	27.06
07/12/05 09:41:39.0	27.26
07/12/05 10:11:39.0	27.33
07/12/05 10:41:39.0	27.58
07/12/05 11:11:39.0	28.05
07/12/05 11:41:39.0	28.35
07/12/05 12:11:39.0	28.49
07/12/05 12:41:39.0	28.74
07/12/05 13:11:39.0	28.97
07/12/05 13:41:39.0	29.12
07/12/05 14:11:39.0	29.02
07/12/05 14:41:39.0	28.97
07/12/05 15:11:39.0	28.99
07/12/05 15:41:39.0	29.02
07/12/05 16:11:39.0	29.07
07/12/05 16:41:39.0	29.09
07/12/05 17:11:39.0	29.12
07/12/05 17:41:39.0	29.09
07/12/05 18:11:39.0	29.12
07/12/05 18:41:39.0	29.04
07/12/05 19:11:39.0	28.84
07/12/05 19:41:39.0	28.72
07/12/05 20:11:39.0	28.64
07/12/05 20:41:39.0	28.54
07/12/05 21:11:39.0	28.27

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/12/05 21:41:39.0	27.92
07/12/05 22:11:39.0	27.58
07/12/05 22:41:39.0	27.48
07/12/05 23:11:39.0	27.41
07/12/05 23:41:39.0	26.26
07/13/05 00:11:39.0	25.89
07/13/05 00:41:39.0	25.74
07/13/05 01:11:39.0	25.77
07/13/05 01:41:39.0	25.82
07/13/05 02:11:39.0	25.77
07/13/05 02:41:39.0	25.62
07/13/05 03:11:39.0	25.57
07/13/05 03:41:39.0	25.60
07/13/05 04:11:39.0	25.57
07/13/05 04:41:39.0	25.60
07/13/05 05:11:39.0	25.62
07/13/05 05:41:39.0	25.62
07/13/05 06:11:39.0	25.67
07/13/05 06:41:39.0	25.67
07/13/05 07:11:39.0	25.67
07/13/05 07:41:39.0	25.62
07/13/05 08:11:39.0	25.65
07/13/05 08:41:39.0	25.65
07/13/05 09:11:39.0	25.70
07/13/05 09:41:39.0	25.72
07/13/05 10:11:39.0	25.77
07/13/05 10:41:39.0	25.82
07/13/05 11:11:39.0	25.87
07/13/05 11:41:39.0	25.94
07/13/05 12:11:39.0	25.99
07/13/05 12:41:39.0	26.06
07/13/05 13:11:39.0	26.11
07/13/05 13:41:39.0	26.18
07/13/05 14:11:39.0	26.23
07/13/05 14:41:39.0	26.30
07/13/05 15:11:39.0	26.35
07/13/05 15:41:39.0	26.38
07/13/05 16:11:39.0	26.43
07/13/05 16:41:39.0	26.48
07/13/05 17:11:39.0	26.52
07/13/05 17:41:39.0	26.55
07/13/05 18:11:39.0	26.45
07/13/05 18:41:39.0	26.26
07/13/05 19:11:39.0	26.04
07/13/05 19:41:39.0	25.89
07/13/05 20:11:39.0	25.82
07/13/05 20:41:39.0	25.82
07/13/05 21:11:39.0	25.82
07/13/05 21:41:39.0	25.79
07/13/05 22:11:39.0	25.74
07/13/05 22:41:39.0	25.77
07/13/05 23:11:39.0	25.77
07/13/05 23:41:39.0	25.79
07/14/05 00:11:39.0	25.79
07/14/05 00:41:39.0	25.79
07/14/05 01:11:39.0	25.79
07/14/05 01:41:39.0	25.82
07/14/05 02:11:39.0	25.79
07/14/05 02:41:39.0	25.79

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/14/05 03:11:39.0	25.79
07/14/05 03:41:39.0	25.79
07/14/05 04:11:39.0	25.82
07/14/05 04:41:39.0	25.82
07/14/05 05:11:39.0	25.82
07/14/05 05:41:39.0	25.84
07/14/05 06:11:39.0	25.84
07/14/05 06:41:39.0	25.84
07/14/05 07:11:39.0	25.87
07/14/05 07:41:39.0	25.91
07/14/05 08:11:39.0	25.91
07/14/05 08:41:39.0	25.94
07/14/05 09:11:39.0	25.96
07/14/05 09:41:39.0	25.96
07/14/05 10:11:39.0	25.99
07/14/05 10:41:39.0	26.01
07/14/05 11:11:39.0	26.06
07/14/05 11:41:39.0	26.11
07/14/05 12:11:39.0	26.13
07/14/05 12:41:39.0	26.18
07/14/05 13:11:39.0	26.21
07/14/05 13:41:39.0	26.26
07/14/05 14:11:39.0	26.28
07/14/05 14:41:39.0	26.33
07/14/05 15:11:39.0	26.35
07/14/05 15:41:39.0	26.38
07/14/05 16:11:39.0	26.40
07/14/05 16:41:39.0	26.43
07/14/05 17:11:39.0	26.43
07/14/05 17:41:39.0	26.45
07/14/05 18:11:39.0	26.45
07/14/05 18:41:39.0	26.45
07/14/05 19:11:39.0	26.48
07/14/05 19:41:39.0	26.48
07/14/05 20:11:39.0	26.50
07/14/05 20:41:39.0	26.52
07/14/05 21:11:39.0	26.50
07/14/05 21:41:39.0	26.45
07/14/05 22:11:39.0	26.45
07/14/05 22:41:39.0	26.43
07/14/05 23:11:39.0	26.33
07/14/05 23:41:39.0	26.23
07/15/05 00:11:39.0	26.21
07/15/05 00:41:39.0	26.18
07/15/05 01:11:39.0	26.16
07/15/05 01:41:39.0	26.16
07/15/05 02:11:39.0	26.21
07/15/05 02:41:39.0	26.26
07/15/05 03:11:39.0	26.23
07/15/05 03:41:39.0	26.28
07/15/05 04:11:39.0	26.30
07/15/05 04:41:39.0	26.35
07/15/05 05:11:39.0	26.33
07/15/05 05:41:39.0	26.35
07/15/05 06:11:39.0	26.38
07/15/05 06:41:39.0	26.38
07/15/05 07:11:39.0	26.40
07/15/05 07:41:39.0	26.45
07/15/05 08:11:39.0	26.45

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/15/05 08:41:39.0	26.48
07/15/05 09:11:39.0	26.50
07/15/05 09:41:39.0	26.55
07/15/05 10:11:39.0	26.57
07/15/05 10:41:39.0	26.65
07/15/05 11:11:39.0	26.70
07/15/05 11:41:39.0	26.77
07/15/05 12:11:39.0	26.87
07/15/05 12:41:39.0	26.87
07/15/05 13:11:39.0	26.89
07/15/05 13:41:39.0	26.92
07/15/05 14:11:39.0	26.94
07/15/05 14:41:39.0	26.94
07/15/05 15:11:39.0	26.92
07/15/05 15:41:39.0	26.97
07/15/05 16:11:39.0	26.97
07/15/05 16:41:39.0	26.97
07/15/05 17:11:39.0	26.97
07/15/05 17:41:39.0	26.99
07/15/05 18:11:39.0	27.01
07/15/05 18:41:39.0	27.04
07/15/05 19:11:39.0	27.06
07/15/05 19:41:39.0	27.09
07/15/05 20:11:39.0	27.11
07/15/05 20:41:39.0	27.14
07/15/05 21:11:39.0	27.19
07/15/05 21:41:39.0	27.21
07/15/05 22:11:39.0	27.21
07/15/05 22:41:39.0	27.24
07/15/05 23:11:39.0	28.57
07/15/05 23:41:39.0	28.57
07/16/05 00:11:39.0	28.32
07/16/05 00:41:39.0	28.32
07/16/05 01:11:39.0	28.27
07/16/05 01:41:39.0	28.30
07/16/05 02:11:39.0	28.25
07/16/05 02:41:39.0	28.30
07/16/05 03:11:39.0	28.32
07/16/05 03:41:39.0	28.30
07/16/05 04:11:39.0	28.30
07/16/05 04:41:39.0	28.32
07/16/05 05:11:39.0	28.30
07/16/05 05:41:39.0	28.17
07/16/05 06:11:39.0	28.00
07/16/05 06:41:39.0	27.90
07/16/05 07:11:39.0	27.88
07/16/05 07:41:39.0	27.88
07/16/05 08:11:39.0	27.83
07/16/05 08:41:39.0	27.75
07/16/05 09:11:39.0	27.80
07/16/05 09:41:39.0	27.80
07/16/05 10:11:39.0	27.80
07/16/05 10:41:39.0	27.80
07/16/05 11:11:39.0	27.80
07/16/05 11:41:39.0	27.80
07/16/05 12:11:39.0	27.78
07/16/05 12:41:39.0	27.83
07/16/05 13:11:39.0	27.90
07/16/05 13:41:39.0	27.95

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/16/05 14:11:39.0	27.88
07/16/05 14:41:39.0	27.63
07/16/05 15:11:39.0	27.65
07/16/05 15:41:39.0	27.68
07/16/05 16:11:39.0	27.70
07/16/05 16:41:39.0	27.70
07/16/05 17:11:39.0	27.73
07/16/05 17:41:39.0	27.75
07/16/05 18:11:39.0	27.80
07/16/05 18:41:39.0	27.83
07/16/05 19:11:39.0	27.88
07/16/05 19:41:39.0	27.92
07/16/05 20:11:39.0	27.90
07/16/05 20:41:39.0	27.90
07/16/05 21:11:39.0	28.02
07/16/05 21:41:39.0	28.30
07/16/05 22:11:39.0	28.42
07/16/05 22:41:39.0	28.49
07/16/05 23:11:39.0	28.62
07/16/05 23:41:39.0	28.64
07/17/05 00:11:39.0	28.62
07/17/05 00:41:39.0	28.62
07/17/05 01:11:39.0	28.62
07/17/05 01:41:39.0	28.59
07/17/05 02:11:39.0	28.59
07/17/05 02:41:39.0	28.57
07/17/05 03:11:39.0	28.57
07/17/05 03:41:39.0	28.42
07/17/05 04:11:39.0	28.39
07/17/05 04:41:39.0	28.42
07/17/05 05:11:39.0	28.44
07/17/05 05:41:39.0	28.47
07/17/05 06:11:39.0	28.47
07/17/05 06:41:39.0	28.44
07/17/05 07:11:39.0	28.44
07/17/05 07:41:39.0	28.42
07/17/05 08:11:39.0	28.42
07/17/05 08:41:39.0	28.42
07/17/05 09:11:39.0	28.22
07/17/05 09:41:39.0	28.07
07/17/05 10:11:39.0	27.83
07/17/05 10:41:39.0	27.83
07/17/05 11:11:39.0	27.85
07/17/05 11:41:39.0	27.88
07/17/05 12:11:39.0	27.92
07/17/05 12:41:39.0	27.95
07/17/05 13:11:39.0	27.97
07/17/05 13:41:39.0	28.00
07/17/05 14:11:39.0	28.02
07/17/05 14:41:39.0	28.02
07/17/05 15:11:39.0	28.10
07/17/05 15:41:39.0	28.10
07/17/05 16:11:39.0	28.12
07/17/05 16:41:39.0	28.12
07/17/05 17:11:39.0	28.15
07/17/05 17:41:39.0	28.20
07/17/05 18:11:39.0	28.12
07/17/05 18:41:39.0	28.12
07/17/05 19:11:39.0	28.12

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/17/05 19:41:39.0	28.22
07/17/05 20:11:39.0	28.35
07/17/05 20:41:39.0	28.30
07/17/05 21:11:39.0	28.35
07/17/05 21:41:39.0	28.37
07/17/05 22:11:39.0	28.25
07/17/05 22:41:39.0	28.17
07/17/05 23:11:39.0	28.00
07/17/05 23:41:39.0	27.83
07/18/05 00:11:39.0	27.80
07/18/05 00:41:39.0	27.88
07/18/05 01:11:39.0	27.97
07/18/05 01:41:39.0	28.02
07/18/05 02:11:39.0	27.97
07/18/05 02:41:39.0	27.95
07/18/05 03:11:39.0	27.97
07/18/05 03:41:39.0	28.02
07/18/05 04:11:39.0	28.02
07/18/05 04:41:39.0	28.00
07/18/05 05:11:39.0	28.02
07/18/05 05:41:39.0	28.02
07/18/05 06:11:39.0	28.00
07/18/05 06:41:39.0	28.00
07/18/05 07:11:39.0	28.02
07/18/05 07:41:39.0	28.02
07/18/05 08:11:39.0	28.02
07/18/05 08:41:39.0	28.02
07/18/05 09:11:39.0	28.05
07/18/05 09:41:39.0	28.05
07/18/05 10:11:39.0	28.07
07/18/05 10:41:39.0	28.07
07/18/05 11:11:39.0	28.10
07/18/05 11:41:39.0	28.10
07/18/05 12:11:39.0	28.12
07/18/05 12:41:39.0	28.05
07/18/05 13:11:39.0	27.88
07/18/05 13:41:39.0	27.85
07/18/05 14:11:39.0	27.88
07/18/05 14:41:39.0	27.90
07/18/05 15:11:39.0	27.92
07/18/05 15:41:39.0	28.00
07/18/05 16:11:39.0	27.95
07/18/05 16:41:39.0	27.95
07/18/05 17:11:39.0	27.95
07/18/05 17:41:39.0	27.95
07/18/05 18:11:39.0	27.95
07/18/05 18:41:39.0	27.83
07/18/05 19:11:39.0	27.90
07/18/05 19:41:39.0	27.88
07/18/05 20:11:39.0	27.97
07/18/05 20:41:39.0	27.95
07/18/05 21:11:39.0	28.02
07/18/05 21:41:39.0	28.17
07/18/05 22:11:39.0	28.42
07/18/05 22:41:39.0	28.39
07/18/05 23:11:39.0	28.44
07/18/05 23:41:39.0	28.42
07/19/05 00:11:39.0	28.47
07/19/05 00:41:39.0	28.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/19/05 01:11:39.0	28.52
07/19/05 01:41:39.0	28.62
07/19/05 02:11:39.0	28.59
07/19/05 02:41:39.0	28.54
07/19/05 03:11:39.0	28.49
07/19/05 03:41:39.0	28.47
07/19/05 04:11:39.0	28.47
07/19/05 04:41:39.0	28.42
07/19/05 05:11:39.0	28.37
07/19/05 05:41:39.0	28.44
07/19/05 06:11:39.0	28.52
07/19/05 06:41:39.0	28.74
07/19/05 07:11:39.0	28.92
07/19/05 07:41:39.0	28.79
07/19/05 08:11:39.0	28.54
07/19/05 08:41:39.0	28.39
07/19/05 09:11:39.0	28.27
07/19/05 09:41:39.0	28.22
07/19/05 10:11:39.0	28.20
07/19/05 10:41:39.0	28.17
07/19/05 11:11:39.0	28.27
07/19/05 11:41:39.0	28.35
07/19/05 12:11:39.0	28.27
07/19/05 12:41:39.0	28.25
07/19/05 13:11:39.0	28.25
07/19/05 13:41:39.0	28.30
07/19/05 14:11:39.0	28.27
07/19/05 14:41:39.0	28.25
07/19/05 15:11:39.0	28.25
07/19/05 15:41:39.0	28.27
07/19/05 16:11:39.0	28.32
07/19/05 16:41:39.0	28.37
07/19/05 17:11:39.0	28.39
07/19/05 17:41:39.0	28.17
07/19/05 18:11:39.0	28.05
07/19/05 18:41:39.0	28.02
07/19/05 19:11:39.0	28.05
07/19/05 19:41:39.0	28.12
07/19/05 20:11:39.0	28.20
07/19/05 20:41:39.0	28.30
07/19/05 21:11:39.0	28.37
07/19/05 21:41:39.0	28.44
07/19/05 22:11:39.0	28.52
07/19/05 22:41:39.0	28.62
07/19/05 23:11:39.0	28.72
07/19/05 23:41:39.0	28.79
07/20/05 00:11:39.0	28.92
07/20/05 00:41:39.0	29.04
07/20/05 01:11:39.0	29.14
07/20/05 01:41:39.0	29.24
07/20/05 02:11:39.0	29.19
07/20/05 02:41:39.0	29.09
07/20/05 03:11:39.0	28.99
07/20/05 03:41:39.0	28.94
07/20/05 04:11:39.0	28.94
07/20/05 04:41:39.0	28.92
07/20/05 05:11:39.0	28.94
07/20/05 05:41:39.0	28.94
07/20/05 06:11:39.0	28.97

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/20/05 06:41:39.0	29.02
07/20/05 07:11:39.0	29.04
07/20/05 07:41:39.0	29.04
07/20/05 08:11:39.0	29.09
07/20/05 08:41:39.0	29.12
07/20/05 09:11:39.0	29.14
07/20/05 09:41:39.0	29.17
07/20/05 10:11:39.0	29.17
07/20/05 10:41:39.0	29.22
07/20/05 11:11:39.0	29.24
07/20/05 11:41:39.0	29.27
07/20/05 12:11:39.0	29.29
07/20/05 12:41:39.0	29.12
07/20/05 13:11:39.0	28.49
07/20/05 13:41:39.0	28.22
07/20/05 14:11:39.0	28.10
07/20/05 14:41:39.0	28.12
07/20/05 15:11:39.0	28.17
07/20/05 15:41:39.0	28.25
07/20/05 16:11:39.0	28.35
07/20/05 16:41:39.0	28.44
07/20/05 17:11:39.0	28.59
07/20/05 17:41:39.0	28.74
07/20/05 18:11:39.0	28.77
07/20/05 18:41:39.0	28.59
07/20/05 19:11:39.0	28.54
07/20/05 19:41:39.0	28.54
07/20/05 20:11:39.0	28.59
07/20/05 20:41:39.0	28.67
07/20/05 21:11:39.0	28.72
07/20/05 21:41:39.0	28.77
07/20/05 22:11:39.0	28.84
07/20/05 22:41:39.0	28.87
07/20/05 23:11:39.0	28.92
07/20/05 23:41:39.0	28.94
07/21/05 00:11:39.0	28.97
07/21/05 00:41:39.0	28.97
07/21/05 01:11:39.0	28.99
07/21/05 01:41:39.0	29.02
07/21/05 02:11:39.0	29.04
07/21/05 02:41:39.0	29.07
07/21/05 03:11:39.0	29.17
07/21/05 03:41:39.0	29.34
07/21/05 04:11:39.0	29.39
07/21/05 04:41:39.0	29.39
07/21/05 05:11:39.0	29.39
07/21/05 05:41:39.0	29.39
07/21/05 06:11:39.0	29.37
07/21/05 06:41:39.0	29.37
07/21/05 07:11:39.0	29.37
07/21/05 07:41:39.0	29.41
07/21/05 08:11:39.0	29.41
07/21/05 08:41:39.0	29.44
07/21/05 09:11:39.0	29.46
07/21/05 09:41:39.0	29.49
07/21/05 10:11:39.0	29.52
07/21/05 10:41:39.0	29.54
07/21/05 11:11:39.0	29.57
07/21/05 11:41:39.0	29.59

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/21/05 12:11:39.0	29.62
07/21/05 12:41:39.0	29.44
07/21/05 13:11:39.0	28.42
07/21/05 13:41:39.0	28.15
07/21/05 14:11:39.0	28.10
07/21/05 14:41:39.0	28.05
07/21/05 15:11:39.0	28.12
07/21/05 15:41:39.0	28.25
07/21/05 16:11:39.0	28.30
07/21/05 16:41:39.0	28.35
07/21/05 17:11:39.0	28.35
07/21/05 17:41:39.0	28.35
07/21/05 18:11:39.0	28.37
07/21/05 18:41:39.0	28.39
07/21/05 19:11:39.0	28.42
07/21/05 19:41:39.0	28.44
07/21/05 20:11:39.0	28.82
07/21/05 20:41:39.0	29.14
07/21/05 21:11:39.0	29.12
07/21/05 21:41:39.0	29.07
07/21/05 22:11:39.0	29.02
07/21/05 22:41:39.0	29.02
07/21/05 23:11:39.0	29.04
07/21/05 23:41:39.0	29.04
07/22/05 00:11:39.0	29.07
07/22/05 00:41:39.0	29.09
07/22/05 01:11:39.0	29.09
07/22/05 01:41:39.0	29.09
07/22/05 02:11:39.0	29.12
07/22/05 02:41:39.0	29.12
07/22/05 03:11:39.0	29.12
07/22/05 03:41:39.0	29.12
07/22/05 04:11:39.0	29.12
07/22/05 04:41:39.0	29.12
07/22/05 05:11:39.0	29.12
07/22/05 05:41:39.0	29.12
07/22/05 06:11:39.0	29.14
07/22/05 06:41:39.0	29.14
07/22/05 07:11:39.0	29.17
07/22/05 07:41:39.0	29.17
07/22/05 08:11:39.0	29.19
07/22/05 08:41:39.0	29.24
07/22/05 09:11:39.0	29.27
07/22/05 09:41:39.0	29.34
07/22/05 10:11:39.0	28.82
07/22/05 10:41:39.0	28.69
07/22/05 11:11:39.0	28.72
07/22/05 11:41:39.0	28.72
07/22/05 12:11:39.0	28.79
07/22/05 12:41:39.0	28.87
07/22/05 13:11:39.0	28.82
07/22/05 13:41:39.0	28.47
07/22/05 14:11:39.0	28.37
07/22/05 14:41:39.0	28.25
07/22/05 15:11:39.0	28.10
07/22/05 15:41:39.0	28.10
07/22/05 16:11:39.0	28.15
07/22/05 16:41:39.0	28.22
07/22/05 17:11:39.0	28.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/22/05 17:41:39.0	28.35
07/22/05 18:11:39.0	28.42
07/22/05 18:41:39.0	28.39
07/22/05 19:11:39.0	28.39
07/22/05 19:41:39.0	28.39
07/22/05 20:11:39.0	28.39
07/22/05 20:41:39.0	28.42
07/22/05 21:11:39.0	28.42
07/22/05 21:41:39.0	28.42
07/22/05 22:11:39.0	28.44
07/22/05 22:41:39.0	28.47
07/22/05 23:11:39.0	28.47
07/22/05 23:41:39.0	28.49
07/23/05 00:11:39.0	28.49
07/23/05 00:41:39.0	28.49
07/23/05 01:11:39.0	28.52
07/23/05 01:41:39.0	28.54
07/23/05 02:11:39.0	28.54
07/23/05 02:41:39.0	28.54
07/23/05 03:11:39.0	28.59
07/23/05 03:41:39.0	28.62
07/23/05 04:11:39.0	28.69
07/23/05 04:41:39.0	28.67
07/23/05 05:11:39.0	28.72
07/23/05 05:41:39.0	28.72
07/23/05 06:11:39.0	29.39
07/23/05 06:41:39.0	29.49
07/23/05 07:11:39.0	29.54
07/23/05 07:41:39.0	29.62
07/23/05 08:11:39.0	29.64
07/23/05 08:41:39.0	29.67
07/23/05 09:11:39.0	29.69
07/23/05 09:41:39.0	29.69
07/23/05 10:11:39.0	29.69
07/23/05 10:41:39.0	29.72
07/23/05 11:11:39.0	29.69
07/23/05 11:41:39.0	29.72
07/23/05 12:11:39.0	29.72
07/23/05 12:41:39.0	29.72
07/23/05 13:11:39.0	29.72
07/23/05 13:41:39.0	29.74
07/23/05 14:11:39.0	29.82
07/23/05 14:41:39.0	29.82
07/23/05 15:11:39.0	29.82
07/23/05 15:41:39.0	29.84
07/23/05 16:11:39.0	29.84
07/23/05 16:41:39.0	29.87
07/23/05 17:11:39.0	29.84
07/23/05 17:41:39.0	29.74
07/23/05 18:11:39.0	29.59
07/23/05 18:41:39.0	29.62
07/23/05 19:11:39.0	29.64
07/23/05 19:41:39.0	29.57
07/23/05 20:11:39.0	29.37
07/23/05 20:41:39.0	29.32
07/23/05 21:11:39.0	29.32
07/23/05 21:41:39.0	29.19
07/23/05 22:11:39.0	29.04
07/23/05 22:41:39.0	28.77

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/23/05 23:11:39.0	28.59
07/23/05 23:41:39.0	28.49
07/24/05 00:11:39.0	28.54
07/24/05 00:41:39.0	28.42
07/24/05 01:11:39.0	28.35
07/24/05 01:41:39.0	28.35
07/24/05 02:11:39.0	28.39
07/24/05 02:41:39.0	28.47
07/24/05 03:11:39.0	28.49
07/24/05 03:41:39.0	28.47
07/24/05 04:11:39.0	28.47
07/24/05 04:41:39.0	28.47
07/24/05 05:11:39.0	28.49
07/24/05 05:41:39.0	28.57
07/24/05 06:11:39.0	28.59
07/24/05 06:41:39.0	28.59
07/24/05 07:11:39.0	28.62
07/24/05 07:41:39.0	28.64
07/24/05 08:11:39.0	28.72
07/24/05 08:41:39.0	28.69
07/24/05 09:11:39.0	28.74
07/24/05 09:41:39.0	28.74
07/24/05 10:11:39.0	28.82
07/24/05 10:41:39.0	28.84
07/24/05 11:11:39.0	28.89
07/24/05 11:41:39.0	28.92
07/24/05 12:11:39.0	28.97
07/24/05 12:41:39.0	29.02
07/24/05 13:11:39.0	29.04
07/24/05 13:41:39.0	29.07
07/24/05 14:11:39.0	29.09
07/24/05 14:41:39.0	29.54
07/24/05 15:11:39.0	29.64
07/24/05 15:41:39.0	29.69
07/24/05 16:11:39.0	29.69
07/24/05 16:41:39.0	29.74
07/24/05 17:11:39.0	29.74
07/24/05 17:41:39.0	29.69
07/24/05 18:11:39.0	29.62
07/24/05 18:41:39.0	29.14
07/24/05 19:11:39.0	28.79
07/24/05 19:41:39.0	29.17
07/24/05 20:11:39.0	29.34
07/24/05 20:41:39.0	29.39
07/24/05 21:11:39.0	29.32
07/24/05 21:41:39.0	29.32
07/24/05 22:11:39.0	29.32
07/24/05 22:41:39.0	29.29
07/24/05 23:11:39.0	29.19
07/24/05 23:41:39.0	29.19
07/25/05 00:11:39.0	29.24
07/25/05 00:41:39.0	29.27
07/25/05 01:11:39.0	29.09
07/25/05 01:41:39.0	29.07
07/25/05 02:11:39.0	29.02
07/25/05 02:41:39.0	29.17
07/25/05 03:11:39.0	29.22
07/25/05 03:41:39.0	29.34
07/25/05 04:11:39.0	29.29

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/25/05 04:41:39.0	29.37
07/25/05 05:11:39.0	29.39
07/25/05 05:41:39.0	29.37
07/25/05 06:11:39.0	29.39
07/25/05 06:41:39.0	29.41
07/25/05 07:11:39.0	29.41
07/25/05 07:41:39.0	29.46
07/25/05 08:11:39.0	29.49
07/25/05 08:41:39.0	29.52
07/25/05 09:11:39.0	29.52
07/25/05 09:41:39.0	29.52
07/25/05 10:11:39.0	29.54
07/25/05 10:41:39.0	29.59
07/25/05 11:11:39.0	29.67
07/25/05 11:41:39.0	29.72
07/25/05 12:11:39.0	29.74
07/25/05 12:41:39.0	29.72
07/25/05 13:11:39.0	29.69
07/25/05 13:41:39.0	29.69
07/25/05 14:11:39.0	29.67
07/25/05 14:41:39.0	29.29
07/25/05 15:11:39.0	29.27
07/25/05 15:41:39.0	29.24
07/25/05 16:11:39.0	29.12
07/25/05 16:41:39.0	28.94
07/25/05 17:11:39.0	28.84
07/25/05 17:41:39.0	28.72
07/25/05 18:11:39.0	28.67
07/25/05 18:41:39.0	28.67
07/25/05 19:11:39.0	28.82
07/25/05 19:41:39.0	28.72
07/25/05 20:11:39.0	28.79
07/25/05 20:41:39.0	28.94
07/25/05 21:11:39.0	29.17
07/25/05 21:41:39.0	29.19
07/25/05 22:11:39.0	29.19
07/25/05 22:41:39.0	29.19
07/25/05 23:11:39.0	29.19
07/25/05 23:41:39.0	29.24
07/26/05 00:11:39.0	29.32
07/26/05 00:41:39.0	29.37
07/26/05 01:11:39.0	29.41
07/26/05 01:41:39.0	29.44
07/26/05 02:11:39.0	29.52
07/26/05 02:41:39.0	29.57
07/26/05 03:11:39.0	29.59
07/26/05 03:41:39.0	29.52
07/26/05 04:11:39.0	29.57
07/26/05 04:41:39.0	29.79
07/26/05 05:11:39.0	29.87
07/26/05 05:41:39.0	29.84
07/26/05 06:11:39.0	29.84
07/26/05 06:41:39.0	29.77
07/26/05 07:11:39.0	29.74
07/26/05 07:41:39.0	29.67
07/26/05 08:11:39.0	29.52
07/26/05 08:41:39.0	29.54
07/26/05 09:11:39.0	29.57
07/26/05 09:41:39.0	29.46

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/26/05 10:11:39.0	29.46
07/26/05 10:41:39.0	29.37
07/26/05 11:11:39.0	29.22
07/26/05 11:41:39.0	29.27
07/26/05 12:11:39.0	29.22
07/26/05 12:41:39.0	29.09
07/26/05 13:11:39.0	28.44
07/26/05 13:41:39.0	28.15
07/26/05 14:11:39.0	28.07
07/26/05 14:41:39.0	27.80
07/26/05 15:11:39.0	27.31
07/26/05 15:41:39.0	27.04
07/26/05 16:11:39.0	26.77
07/26/05 16:41:39.0	26.67
07/26/05 17:11:39.0	26.60
07/26/05 17:41:39.0	26.50
07/26/05 18:11:39.0	26.40
07/26/05 18:41:39.0	26.38
07/26/05 19:11:39.0	26.21
07/26/05 19:41:39.0	26.09
07/26/05 20:11:39.0	26.04
07/26/05 20:41:39.0	25.84
07/26/05 21:11:39.0	25.77
07/26/05 21:41:39.0	25.77
07/26/05 22:11:39.0	25.84
07/26/05 22:41:39.0	25.94
07/26/05 23:11:39.0	26.09
07/26/05 23:41:39.0	26.23
07/27/05 00:11:39.0	26.28
07/27/05 00:41:39.0	26.21
07/27/05 01:11:39.0	26.26
07/27/05 01:41:39.0	26.40
07/27/05 02:11:39.0	26.48
07/27/05 02:41:39.0	26.50
07/27/05 03:11:39.0	26.67
07/27/05 03:41:39.0	26.94
07/27/05 04:11:39.0	26.89
07/27/05 04:41:39.0	26.89
07/27/05 05:11:39.0	26.92
07/27/05 05:41:39.0	26.94
07/27/05 06:11:39.0	27.01
07/27/05 06:41:39.0	27.11
07/27/05 07:11:39.0	27.24
07/27/05 07:41:39.0	27.28
07/27/05 08:11:39.0	27.60
07/27/05 08:41:39.0	27.80
07/27/05 09:11:39.0	28.22
07/27/05 09:41:39.0	28.49
07/27/05 10:11:39.0	28.42
07/27/05 10:41:39.0	28.17
07/27/05 11:11:39.0	28.05
07/27/05 11:41:39.0	27.90
07/27/05 12:11:39.0	27.53
07/27/05 12:41:39.0	26.99
07/27/05 13:11:39.0	26.70
07/27/05 13:41:39.0	26.50
07/27/05 14:11:39.0	26.50
07/27/05 14:41:39.0	26.48
07/27/05 15:11:39.0	26.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/27/05 15:41:39.0	26.50
07/27/05 16:11:39.0	26.38
07/27/05 16:41:39.0	26.09
07/27/05 17:11:39.0	25.96
07/27/05 17:41:39.0	26.23
07/27/05 18:11:39.0	26.99
07/27/05 18:41:39.0	27.58
07/27/05 19:11:39.0	27.80
07/27/05 19:41:39.0	28.35
07/27/05 20:11:39.0	28.67
07/27/05 20:41:39.0	28.97
07/27/05 21:11:39.0	29.14
07/27/05 21:41:39.0	29.17
07/27/05 22:11:39.0	29.07
07/27/05 22:41:39.0	29.07
07/27/05 23:11:39.0	29.07
07/27/05 23:41:39.0	29.22
07/28/05 00:11:39.0	29.29
07/28/05 00:41:39.0	29.32
07/28/05 01:11:39.0	29.44
07/28/05 01:41:39.0	29.49
07/28/05 02:11:39.0	29.49
07/28/05 02:41:39.0	29.41
07/28/05 03:11:39.0	29.24
07/28/05 03:41:39.0	29.19
07/28/05 04:11:39.0	29.22
07/28/05 04:41:39.0	29.29
07/28/05 05:11:39.0	29.39
07/28/05 05:41:39.0	29.41
07/28/05 06:11:39.0	29.46
07/28/05 06:41:39.0	29.49
07/28/05 07:11:39.0	29.44
07/28/05 07:41:39.0	29.41
07/28/05 08:11:39.0	29.34
07/28/05 08:41:39.0	29.29
07/28/05 09:11:39.0	29.22
07/28/05 09:41:39.0	29.17
07/28/05 10:11:39.0	29.17
07/28/05 10:41:39.0	29.24
07/28/05 11:11:39.0	29.49
07/28/05 11:41:39.0	29.59
07/28/05 12:11:39.0	29.67
07/28/05 12:41:39.0	29.74
07/28/05 13:11:39.0	29.72
07/28/05 13:41:39.0	29.64
07/28/05 14:11:39.0	29.62
07/28/05 14:41:39.0	29.39
07/28/05 15:11:39.0	29.27
07/28/05 15:41:39.0	29.29
07/28/05 16:11:39.0	29.34
07/28/05 16:41:39.0	29.41
07/28/05 17:11:39.0	29.52
07/28/05 17:41:39.0	29.62
07/28/05 18:11:39.0	29.64
07/28/05 18:41:39.0	29.69
07/28/05 19:11:39.0	29.72
07/28/05 19:41:39.0	29.69
07/28/05 20:11:39.0	29.67
07/28/05 20:41:39.0	29.74

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/28/05 21:11:39.0	29.77
07/28/05 21:41:39.0	29.72
07/28/05 22:11:39.0	29.67
07/28/05 22:41:39.0	29.67
07/28/05 23:11:39.0	29.67
07/28/05 23:41:39.0	29.67
07/29/05 00:11:39.0	29.67
07/29/05 00:41:39.0	29.64
07/29/05 01:11:39.0	29.62
07/29/05 01:41:39.0	29.64
07/29/05 02:11:39.0	29.62
07/29/05 02:41:39.0	29.62
07/29/05 03:11:39.0	29.62
07/29/05 03:41:39.0	29.59
07/29/05 04:11:39.0	29.57
07/29/05 04:41:39.0	29.57
07/29/05 05:11:39.0	29.57
07/29/05 05:41:39.0	29.59
07/29/05 06:11:39.0	29.59
07/29/05 06:41:39.0	29.59
07/29/05 07:11:39.0	29.54
07/29/05 07:41:39.0	29.57
07/29/05 08:11:39.0	29.62
07/29/05 08:41:39.0	29.62
07/29/05 09:11:39.0	29.57
07/29/05 09:41:39.0	29.54
07/29/05 10:11:39.0	29.54
07/29/05 10:41:39.0	29.46
07/29/05 11:11:39.0	29.46
07/29/05 11:41:39.0	29.49
07/29/05 12:11:39.0	29.52
07/29/05 12:41:39.0	29.52
07/29/05 13:11:39.0	29.62
07/29/05 13:41:39.0	29.62
07/29/05 14:11:39.0	29.67
07/29/05 14:41:39.0	29.72
07/29/05 15:11:39.0	29.77
07/29/05 15:41:39.0	29.74
07/29/05 16:11:39.0	29.77
07/29/05 16:41:39.0	29.79
07/29/05 17:11:39.0	29.77
07/29/05 17:41:39.0	29.82
07/29/05 18:11:39.0	29.84
07/29/05 18:41:39.0	29.87
07/29/05 19:11:39.0	29.89
07/29/05 19:41:39.0	29.92
07/29/05 20:11:39.0	29.92
07/29/05 20:41:39.0	29.89
07/29/05 21:11:39.0	29.84
07/29/05 21:41:39.0	29.84
07/29/05 22:11:39.0	29.84
07/29/05 22:41:39.0	29.82
07/29/05 23:11:39.0	29.82
07/29/05 23:41:39.0	29.82
07/30/05 00:11:39.0	29.82
07/30/05 00:41:39.0	29.82
07/30/05 01:11:39.0	29.82
07/30/05 01:41:39.0	29.82
07/30/05 02:11:39.0	29.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/30/05 02:41:39.0	29.82
07/30/05 03:11:39.0	29.79
07/30/05 03:41:39.0	29.79
07/30/05 04:11:39.0	29.72
07/30/05 04:41:39.0	29.72
07/30/05 05:11:39.0	29.74
07/30/05 05:41:39.0	29.72
07/30/05 06:11:39.0	29.69
07/30/05 06:41:39.0	29.67
07/30/05 07:11:39.0	29.67
07/30/05 07:41:39.0	29.62
07/30/05 08:11:39.0	29.64
07/30/05 08:41:39.0	29.64
07/30/05 09:11:39.0	29.62
07/30/05 09:41:39.0	29.64
07/30/05 10:11:39.0	29.62
07/30/05 10:41:39.0	29.62
07/30/05 11:11:39.0	29.64
07/30/05 11:41:39.0	29.69
07/30/05 12:11:39.0	29.72
07/30/05 12:41:39.0	29.74
07/30/05 13:11:39.0	29.82
07/30/05 13:41:39.0	29.87
07/30/05 14:11:39.0	29.92
07/30/05 14:41:39.0	29.94
07/30/05 15:11:39.0	29.99
07/30/05 15:41:39.0	29.99
07/30/05 16:11:39.0	29.99
07/30/05 16:41:39.0	29.99
07/30/05 17:11:39.0	29.97
07/30/05 17:41:39.0	29.97
07/30/05 18:11:39.0	29.94
07/30/05 18:41:39.0	29.94
07/30/05 19:11:39.0	29.94
07/30/05 19:41:39.0	29.92
07/30/05 20:11:39.0	29.89
07/30/05 20:41:39.0	29.92
07/30/05 21:11:39.0	29.89
07/30/05 21:41:39.0	29.84
07/30/05 22:11:39.0	29.82
07/30/05 22:41:39.0	29.79
07/30/05 23:11:39.0	29.67
07/30/05 23:41:39.0	29.64
07/31/05 00:11:39.0	29.67
07/31/05 00:41:39.0	29.79
07/31/05 01:11:39.0	29.84
07/31/05 01:41:39.0	29.89
07/31/05 02:11:39.0	29.82
07/31/05 02:41:39.0	29.74
07/31/05 03:11:39.0	29.69
07/31/05 03:41:39.0	29.72
07/31/05 04:11:39.0	29.72
07/31/05 04:41:39.0	29.72
07/31/05 05:11:39.0	29.72
07/31/05 05:41:39.0	29.74
07/31/05 06:11:39.0	29.77
07/31/05 06:41:39.0	29.79
07/31/05 07:11:39.0	29.82
07/31/05 07:41:39.0	29.84

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
07/31/05 08:11:39.0	29.84
07/31/05 08:41:39.0	29.84
07/31/05 09:11:39.0	29.84
07/31/05 09:41:39.0	29.84
07/31/05 10:11:39.0	29.82
07/31/05 10:41:39.0	29.77
07/31/05 11:11:39.0	29.74
07/31/05 11:41:39.0	29.74
07/31/05 12:11:39.0	29.77
07/31/05 12:41:39.0	29.77
07/31/05 13:11:39.0	29.77
07/31/05 13:41:39.0	29.77
07/31/05 14:11:39.0	29.79
07/31/05 14:41:39.0	29.82
07/31/05 15:11:39.0	29.84
07/31/05 15:41:39.0	29.87
07/31/05 16:11:39.0	29.87
07/31/05 16:41:39.0	29.87
07/31/05 17:11:39.0	29.87
07/31/05 17:41:39.0	29.87
07/31/05 18:11:39.0	29.87
07/31/05 18:41:39.0	29.87
07/31/05 19:11:39.0	29.87
07/31/05 19:41:39.0	29.87
07/31/05 20:11:39.0	29.87
07/31/05 20:41:39.0	29.87
07/31/05 21:11:39.0	29.92
07/31/05 21:41:39.0	29.87
07/31/05 22:11:39.0	29.87
07/31/05 22:41:39.0	29.84
07/31/05 23:11:39.0	29.82
07/31/05 23:41:39.0	29.79
08/01/05 00:11:39.0	29.74
08/01/05 00:41:39.0	29.64
08/01/05 01:11:39.0	29.62
08/01/05 01:41:39.0	29.57
08/01/05 02:11:39.0	29.52
08/01/05 02:41:39.0	29.49
08/01/05 03:11:39.0	29.52
08/01/05 03:41:39.0	29.52
08/01/05 04:11:39.0	29.41
08/01/05 04:41:39.0	29.41
08/01/05 05:11:39.0	29.44
08/01/05 05:41:39.0	29.46
08/01/05 06:11:39.0	29.54
08/01/05 06:41:39.0	29.62
08/01/05 07:11:39.0	29.67
08/01/05 07:41:39.0	29.64
08/01/05 08:11:39.0	29.67
08/01/05 08:41:39.0	29.67
08/01/05 09:11:39.0	29.67
08/01/05 09:41:39.0	29.69
08/01/05 10:11:39.0	29.72
08/01/05 10:41:39.0	29.74
08/01/05 11:11:39.0	29.77
08/01/05 11:41:39.0	29.79
08/01/05 12:11:39.0	29.82
08/01/05 12:41:39.0	29.84
08/01/05 13:11:39.0	29.84

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/01/05 13:41:39.0	29.84
08/01/05 14:11:39.0	29.89
08/01/05 14:41:39.0	29.92
08/01/05 15:11:39.0	29.92
08/01/05 15:41:39.0	29.94
08/01/05 16:11:39.0	29.97
08/01/05 16:41:39.0	29.97
08/01/05 17:11:39.0	29.97
08/01/05 17:41:39.0	29.99
08/01/05 18:11:39.0	29.97
08/01/05 18:41:39.0	29.97
08/01/05 19:11:39.0	29.94
08/01/05 19:41:39.0	29.94
08/01/05 20:11:39.0	29.89
08/01/05 20:41:39.0	29.94
08/01/05 21:11:39.0	29.92
08/01/05 21:41:39.0	29.92
08/01/05 22:11:39.0	29.92
08/01/05 22:41:39.0	29.89
08/01/05 23:11:39.0	30.09
08/01/05 23:41:39.0	30.09
08/02/05 00:11:39.0	30.02
08/02/05 00:41:39.0	29.99
08/02/05 01:11:39.0	29.97
08/02/05 01:41:39.0	29.94
08/02/05 02:11:39.0	29.97
08/02/05 02:41:39.0	29.97
08/02/05 03:11:39.0	29.92
08/02/05 03:41:39.0	29.89
08/02/05 04:11:39.0	29.87
08/02/05 04:41:39.0	29.87
08/02/05 05:11:39.0	29.87
08/02/05 05:41:39.0	29.87
08/02/05 06:11:39.0	29.84
08/02/05 06:41:39.0	29.82
08/02/05 07:11:39.0	29.84
08/02/05 07:41:39.0	29.84
08/02/05 08:11:39.0	29.84
08/02/05 08:41:39.0	29.84
08/02/05 09:11:39.0	29.87
08/02/05 09:41:39.0	29.87
08/02/05 10:11:39.0	29.92
08/02/05 10:41:39.0	29.92
08/02/05 11:11:39.0	29.94
08/02/05 11:41:39.0	29.97
08/02/05 12:11:39.0	29.97
08/02/05 12:41:39.0	29.99
08/02/05 13:11:39.0	30.04
08/02/05 13:41:39.0	30.02
08/02/05 14:11:39.0	30.04
08/02/05 14:41:39.0	30.07
08/02/05 15:11:39.0	30.12
08/02/05 15:41:39.0	30.12
08/02/05 16:11:39.0	30.12
08/02/05 16:41:39.0	30.14
08/02/05 17:11:39.0	30.14
08/02/05 17:41:39.0	30.09
08/02/05 18:11:39.0	30.12
08/02/05 18:41:39.0	30.12

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/02/05 19:11:39.0	30.09
08/02/05 19:41:39.0	30.09
08/02/05 20:11:39.0	30.12
08/02/05 20:41:39.0	30.12
08/02/05 21:11:39.0	30.12
08/02/05 21:41:39.0	30.12
08/02/05 22:11:39.0	30.14
08/02/05 22:41:39.0	30.12
08/02/05 23:11:39.0	30.12
08/02/05 23:41:39.0	30.14
08/03/05 00:11:39.0	30.17
08/03/05 00:41:39.0	30.17
08/03/05 01:11:39.0	30.17
08/03/05 01:41:39.0	30.12
08/03/05 02:11:39.0	30.07
08/03/05 02:41:39.0	29.74
08/03/05 03:11:39.0	29.74
08/03/05 03:41:39.0	29.74
08/03/05 04:11:39.0	29.72
08/03/05 04:41:39.0	29.69
08/03/05 05:11:39.0	29.69
08/03/05 05:41:39.0	29.67
08/03/05 06:11:39.0	29.67
08/03/05 06:41:39.0	29.69
08/03/05 07:11:39.0	29.69
08/03/05 07:41:39.0	29.72
08/03/05 08:11:39.0	29.72
08/03/05 08:41:39.0	29.74
08/03/05 09:11:39.0	29.77
08/03/05 09:41:39.0	29.74
08/03/05 10:11:39.0	29.74
08/03/05 10:41:39.0	29.77
08/03/05 11:11:39.0	29.82
08/03/05 11:41:39.0	29.87
08/03/05 12:11:39.0	29.89
08/03/05 12:41:39.0	29.94
08/03/05 13:11:39.0	29.99
08/03/05 13:41:39.0	30.04
08/03/05 14:11:39.0	30.04
08/03/05 14:41:39.0	30.04
08/03/05 15:11:39.0	30.09
08/03/05 15:41:39.0	30.12
08/03/05 16:11:39.0	30.12
08/03/05 16:41:39.0	30.14
08/03/05 17:11:39.0	30.12
08/03/05 17:41:39.0	30.12
08/03/05 18:11:39.0	30.09
08/03/05 18:41:39.0	30.09
08/03/05 19:11:39.0	30.09
08/03/05 19:41:39.0	30.07
08/03/05 20:11:39.0	30.07
08/03/05 20:41:39.0	30.07
08/03/05 21:11:39.0	30.07
08/03/05 21:41:39.0	30.07
08/03/05 22:11:39.0	30.07
08/03/05 22:41:39.0	30.07
08/03/05 23:11:39.0	30.07
08/03/05 23:41:39.0	30.07
08/04/05 00:11:39.0	30.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/04/05 00:41:39.0	30.09
08/04/05 01:11:39.0	30.04
08/04/05 01:41:39.0	30.02
08/04/05 02:11:39.0	30.07
08/04/05 02:41:39.0	30.07
08/04/05 03:11:39.0	30.02
08/04/05 03:41:39.0	29.99
08/04/05 04:11:39.0	29.97
08/04/05 04:41:39.0	29.97
08/04/05 05:11:39.0	29.94
08/04/05 05:41:39.0	29.89
08/04/05 06:11:39.0	29.87
08/04/05 06:41:39.0	29.87
08/04/05 07:11:39.0	29.84
08/04/05 07:41:39.0	29.87
08/04/05 08:11:39.0	29.87
08/04/05 08:41:39.0	29.89
08/04/05 09:11:39.0	29.92
08/04/05 09:41:39.0	29.94
08/04/05 10:11:39.0	29.94
08/04/05 10:41:39.0	29.92
08/04/05 11:11:39.0	29.69
08/04/05 11:41:39.0	29.69
08/04/05 12:11:39.0	29.72
08/04/05 12:41:39.0	29.74
08/04/05 13:11:39.0	29.79
08/04/05 13:41:39.0	29.87
08/04/05 14:11:39.0	29.84
08/04/05 14:41:39.0	29.87
08/04/05 15:11:39.0	29.87
08/04/05 15:41:39.0	29.87
08/04/05 16:11:39.0	29.89
08/04/05 16:41:39.0	29.92
08/04/05 17:11:39.0	29.92
08/04/05 17:41:39.0	29.94
08/04/05 18:11:39.0	29.97
08/04/05 18:41:39.0	29.97
08/04/05 19:11:39.0	29.97
08/04/05 19:41:39.0	29.97
08/04/05 20:11:39.0	29.97
08/04/05 20:41:39.0	30.02
08/04/05 21:11:39.0	30.04
08/04/05 21:41:39.0	30.04
08/04/05 22:11:39.0	30.07
08/04/05 22:41:39.0	30.07
08/04/05 23:11:39.0	30.04
08/04/05 23:41:39.0	30.04
08/05/05 00:11:39.0	30.02
08/05/05 00:41:39.0	30.02
08/05/05 01:11:39.0	30.04
08/05/05 01:41:39.0	30.04
08/05/05 02:11:39.0	30.04
08/05/05 02:41:39.0	30.07
08/05/05 03:11:39.0	29.99
08/05/05 03:41:39.0	29.97
08/05/05 04:11:39.0	29.94
08/05/05 04:41:39.0	29.92
08/05/05 05:11:39.0	29.92
08/05/05 05:41:39.0	29.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/05/05 06:11:39.0	29.89
08/05/05 06:41:39.0	29.84
08/05/05 07:11:39.0	29.82
08/05/05 07:41:39.0	29.82
08/05/05 08:11:39.0	29.79
08/05/05 08:41:39.0	29.79
08/05/05 09:11:39.0	29.74
08/05/05 09:41:39.0	29.62
08/05/05 10:11:39.0	29.46
08/05/05 10:41:39.0	29.46
08/05/05 11:11:39.0	29.44
08/05/05 11:41:39.0	29.49
08/05/05 12:11:39.0	29.59
08/05/05 12:41:39.0	29.67
08/05/05 13:11:39.0	29.72
08/05/05 13:41:39.0	29.79
08/05/05 14:11:39.0	29.84
08/05/05 14:41:39.0	29.89
08/05/05 15:11:39.0	29.89
08/05/05 15:41:39.0	29.92
08/05/05 16:11:39.0	29.94
08/05/05 16:41:39.0	29.92
08/05/05 17:11:39.0	29.87
08/05/05 17:41:39.0	29.87
08/05/05 18:11:39.0	29.87
08/05/05 18:41:39.0	29.89
08/05/05 19:11:39.0	29.87
08/05/05 19:41:39.0	29.87
08/05/05 20:11:39.0	29.84
08/05/05 20:41:39.0	29.84
08/05/05 21:11:39.0	29.87
08/05/05 21:41:39.0	29.87
08/05/05 22:11:39.0	29.87
08/05/05 22:41:39.0	29.84
08/05/05 23:11:39.0	29.82
08/05/05 23:41:39.0	29.82
08/06/05 00:11:39.0	29.79
08/06/05 00:41:39.0	29.82
08/06/05 01:11:39.0	29.82
08/06/05 01:41:39.0	29.82
08/06/05 02:11:39.0	29.82
08/06/05 02:41:39.0	29.82
08/06/05 03:11:39.0	29.84
08/06/05 03:41:39.0	29.82
08/06/05 04:11:39.0	29.94
08/06/05 04:41:39.0	29.94
08/06/05 05:11:39.0	30.02
08/06/05 05:41:39.0	29.99
08/06/05 06:11:39.0	29.94
08/06/05 06:41:39.0	29.92
08/06/05 07:11:39.0	29.92
08/06/05 07:41:39.0	29.92
08/06/05 08:11:39.0	29.84
08/06/05 08:41:39.0	29.74
08/06/05 09:11:39.0	29.46
08/06/05 09:41:39.0	29.27
08/06/05 10:11:39.0	29.34
08/06/05 10:41:39.0	29.29
08/06/05 11:11:39.0	29.34

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/06/05 11:41:39.0	29.39
08/06/05 12:11:39.0	29.49
08/06/05 12:41:39.0	29.46
08/06/05 13:11:39.0	29.41
08/06/05 13:41:39.0	29.17
08/06/05 14:11:39.0	29.09
08/06/05 14:41:39.0	29.24
08/06/05 15:11:39.0	29.32
08/06/05 15:41:39.0	29.27
08/06/05 16:11:39.0	29.37
08/06/05 16:41:39.0	29.44
08/06/05 17:11:39.0	29.59
08/06/05 17:41:39.0	29.64
08/06/05 18:11:39.0	29.69
08/06/05 18:41:39.0	29.69
08/06/05 19:11:39.0	29.64
08/06/05 19:41:39.0	29.64
08/06/05 20:11:39.0	29.62
08/06/05 20:41:39.0	29.64
08/06/05 21:11:39.0	29.64
08/06/05 21:41:39.0	29.64
08/06/05 22:11:39.0	29.64
08/06/05 22:41:39.0	29.67
08/06/05 23:11:39.0	29.67
08/06/05 23:41:39.0	29.67
08/07/05 00:11:39.0	29.67
08/07/05 00:41:39.0	29.64
08/07/05 01:11:39.0	29.64
08/07/05 01:41:39.0	29.69
08/07/05 02:11:39.0	29.82
08/07/05 02:41:39.0	29.87
08/07/05 03:11:39.0	29.89
08/07/05 03:41:39.0	29.92
08/07/05 04:11:39.0	29.92
08/07/05 04:41:39.0	29.92
08/07/05 05:11:39.0	29.94
08/07/05 05:41:39.0	29.92
08/07/05 06:11:39.0	29.89
08/07/05 06:41:39.0	29.79
08/07/05 07:11:39.0	29.69
08/07/05 07:41:39.0	29.67
08/07/05 08:11:39.0	29.67
08/07/05 08:41:39.0	29.59
08/07/05 09:11:39.0	29.59
08/07/05 09:41:39.0	29.59
08/07/05 10:11:39.0	29.62
08/07/05 10:41:39.0	29.64
08/07/05 11:11:39.0	29.69
08/07/05 11:41:39.0	29.72
08/07/05 12:11:39.0	29.74
08/07/05 12:41:39.0	29.77
08/07/05 13:11:39.0	29.79
08/07/05 13:41:39.0	29.84
08/07/05 14:11:39.0	29.84
08/07/05 14:41:39.0	29.87
08/07/05 15:11:39.0	29.89
08/07/05 15:41:39.0	29.94
08/07/05 16:11:39.0	29.92
08/07/05 16:41:39.0	29.97

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/07/05 17:11:39.0	29.94
08/07/05 17:41:39.0	29.94
08/07/05 18:11:39.0	29.92
08/07/05 18:41:39.0	29.89
08/07/05 19:11:39.0	29.87
08/07/05 19:41:39.0	29.89
08/07/05 20:11:39.0	29.89
08/07/05 20:41:39.0	29.89
08/07/05 21:11:39.0	29.89
08/07/05 21:41:39.0	29.92
08/07/05 22:11:39.0	30.07
08/07/05 22:41:39.0	30.07
08/07/05 23:11:39.0	30.07
08/07/05 23:41:39.0	30.07
08/08/05 00:11:39.0	30.07
08/08/05 00:41:39.0	30.07
08/08/05 01:11:39.0	30.07
08/08/05 01:41:39.0	30.07
08/08/05 02:11:39.0	30.07
08/08/05 02:41:39.0	30.07
08/08/05 03:11:39.0	30.04
08/08/05 03:41:39.0	29.97
08/08/05 04:11:39.0	29.89
08/08/05 04:41:39.0	29.87
08/08/05 05:11:39.0	29.84
08/08/05 05:41:39.0	29.84
08/08/05 06:11:39.0	29.84
08/08/05 06:41:39.0	29.84
08/08/05 07:11:39.0	29.87
08/08/05 07:41:39.0	29.87
08/08/05 08:11:39.0	29.89
08/08/05 08:41:39.0	29.89
08/08/05 09:11:39.0	29.92
08/08/05 09:41:39.0	29.99
08/08/05 10:11:39.0	30.04
08/08/05 10:41:39.0	30.07
08/08/05 11:11:39.0	30.09
08/08/05 11:41:39.0	30.09
08/08/05 12:11:39.0	30.09
08/08/05 12:41:39.0	30.09
08/08/05 13:11:39.0	30.09
08/08/05 13:41:39.0	30.12
08/08/05 14:11:39.0	30.09
08/08/05 14:41:39.0	30.07
08/08/05 15:11:39.0	30.12
08/08/05 15:41:39.0	30.09
08/08/05 16:11:39.0	30.09
08/08/05 16:41:39.0	30.09
08/08/05 17:11:39.0	30.07
08/08/05 17:41:39.0	30.07
08/08/05 18:11:39.0	30.07
08/08/05 18:41:39.0	30.02
08/08/05 19:11:39.0	30.02
08/08/05 19:41:39.0	30.02
08/08/05 20:11:39.0	30.02
08/08/05 20:41:39.0	30.02
08/08/05 21:11:39.0	30.02
08/08/05 21:41:39.0	30.02
08/08/05 22:11:39.0	30.02

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/08/05 22:41:39.0	30.02
08/08/05 23:11:39.0	30.02
08/08/05 23:41:39.0	30.02
08/09/05 00:11:39.0	30.02
08/09/05 00:41:39.0	30.02
08/09/05 01:11:39.0	30.04
08/09/05 01:41:39.0	30.04
08/09/05 02:11:39.0	30.04
08/09/05 02:41:39.0	30.07
08/09/05 03:11:39.0	30.07
08/09/05 03:41:39.0	30.04
08/09/05 04:11:39.0	30.02
08/09/05 04:41:39.0	30.02
08/09/05 05:11:39.0	30.02
08/09/05 05:41:39.0	29.99
08/09/05 06:11:39.0	29.99
08/09/05 06:41:39.0	29.99
08/09/05 07:11:39.0	29.97
08/09/05 07:41:39.0	29.94
08/09/05 08:11:39.0	29.94
08/09/05 08:41:39.0	29.94
08/09/05 09:11:39.0	29.97
08/09/05 09:41:39.0	29.99
08/09/05 10:11:39.0	30.02
08/09/05 10:41:39.0	30.04
08/09/05 11:11:39.0	30.12
08/09/05 11:41:39.0	30.14
08/09/05 12:11:39.0	30.14
08/09/05 12:41:39.0	30.12
08/09/05 13:11:39.0	30.19
08/09/05 13:41:39.0	30.24
08/09/05 14:11:39.0	30.29
08/09/05 14:41:39.0	30.29
08/09/05 15:11:39.0	30.34
08/09/05 15:41:39.0	30.32
08/09/05 16:11:39.0	30.32
08/09/05 16:41:39.0	30.32
08/09/05 17:11:39.0	30.32
08/09/05 17:41:39.0	30.24
08/09/05 18:11:39.0	30.24
08/09/05 18:41:39.0	30.24
08/09/05 19:11:39.0	30.24
08/09/05 19:41:39.0	30.24
08/09/05 20:11:39.0	30.22
08/09/05 20:41:39.0	30.24
08/09/05 21:11:39.0	30.24
08/09/05 21:41:39.0	30.24
08/09/05 22:11:39.0	30.24
08/09/05 22:41:39.0	30.27
08/09/05 23:11:39.0	30.27
08/09/05 23:41:39.0	30.22
08/10/05 00:11:39.0	30.17
08/10/05 00:41:39.0	30.12
08/10/05 01:11:39.0	30.12
08/10/05 01:41:39.0	30.09
08/10/05 02:11:39.0	30.09
08/10/05 02:41:39.0	30.07
08/10/05 03:11:39.0	30.07
08/10/05 03:41:39.0	30.04

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/10/05 04:11:39.0	30.02
08/10/05 04:41:39.0	30.02
08/10/05 05:11:39.0	30.02
08/10/05 05:41:39.0	29.99
08/10/05 06:11:39.0	29.94
08/10/05 06:41:39.0	29.92
08/10/05 07:11:39.0	29.87
08/10/05 07:41:39.0	29.87
08/10/05 08:11:39.0	29.84
08/10/05 08:41:39.0	29.87
08/10/05 09:11:39.0	29.87
08/10/05 09:41:39.0	29.89
08/10/05 10:11:39.0	29.89
08/10/05 10:41:39.0	29.92
08/10/05 11:11:39.0	29.94
08/10/05 11:41:39.0	29.97
08/10/05 12:11:39.0	29.99
08/10/05 12:41:39.0	30.04
08/10/05 13:11:39.0	30.04
08/10/05 13:41:39.0	30.07
08/10/05 14:11:39.0	30.07
08/10/05 14:41:39.0	30.09
08/10/05 15:11:39.0	30.12
08/10/05 15:41:39.0	30.09
08/10/05 16:11:39.0	30.09
08/10/05 16:41:39.0	30.09
08/10/05 17:11:39.0	30.12
08/10/05 17:41:39.0	30.12
08/10/05 18:11:39.0	30.09
08/10/05 18:41:39.0	30.09
08/10/05 19:11:39.0	30.09
08/10/05 19:41:39.0	30.09
08/10/05 20:11:39.0	30.02
08/10/05 20:41:39.0	29.97
08/10/05 21:11:39.0	29.94
08/10/05 21:41:39.0	29.92
08/10/05 22:11:39.0	29.92
08/10/05 22:41:39.0	29.92
08/10/05 23:11:39.0	29.94
08/10/05 23:41:39.0	29.92
08/11/05 00:11:39.0	29.92
08/11/05 00:41:39.0	29.92
08/11/05 01:11:39.0	29.92
08/11/05 01:41:39.0	29.92
08/11/05 02:11:39.0	29.94
08/11/05 02:41:39.0	29.94
08/11/05 03:11:39.0	30.09
08/11/05 03:41:39.0	30.09
08/11/05 04:11:39.0	30.04
08/11/05 04:41:39.0	30.02
08/11/05 05:11:39.0	30.02
08/11/05 05:41:39.0	30.02
08/11/05 06:11:39.0	29.99
08/11/05 06:41:39.0	29.92
08/11/05 07:11:39.0	29.89
08/11/05 07:41:39.0	29.89
08/11/05 08:11:39.0	29.89
08/11/05 08:41:39.0	29.92
08/11/05 09:11:39.0	29.92

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/11/05 09:41:39.0	29.92
08/11/05 10:11:39.0	29.92
08/11/05 10:41:39.0	29.97
08/11/05 11:11:39.0	29.99
08/11/05 11:41:39.0	29.97
08/11/05 12:11:39.0	30.02
08/11/05 12:41:39.0	30.04
08/11/05 13:11:39.0	30.07
08/11/05 13:41:39.0	30.09
08/11/05 14:11:39.0	30.09
08/11/05 14:41:39.0	30.12
08/11/05 15:11:39.0	30.12
08/11/05 15:41:39.0	30.14
08/11/05 16:11:39.0	30.14
08/11/05 16:41:39.0	30.14
08/11/05 17:11:39.0	30.14
08/11/05 17:41:39.0	30.12
08/11/05 18:11:39.0	30.09
08/11/05 18:41:39.0	30.12
08/11/05 19:11:39.0	30.04
08/11/05 19:41:39.0	30.02
08/11/05 20:11:39.0	30.09
08/11/05 20:41:39.0	30.14
08/11/05 21:11:39.0	30.17
08/11/05 21:41:39.0	30.12
08/11/05 22:11:39.0	30.14
08/11/05 22:41:39.0	30.12
08/11/05 23:11:39.0	30.09
08/11/05 23:41:39.0	30.09
08/12/05 00:11:39.0	30.12
08/12/05 00:41:39.0	30.14
08/12/05 01:11:39.0	30.14
08/12/05 01:41:39.0	30.14
08/12/05 02:11:39.0	30.19
08/12/05 02:41:39.0	30.19
08/12/05 03:11:39.0	30.22
08/12/05 03:41:39.0	30.24
08/12/05 04:11:39.0	30.24
08/12/05 04:41:39.0	30.24
08/12/05 05:11:39.0	30.19
08/12/05 05:41:39.0	30.12
08/12/05 06:11:39.0	30.02
08/12/05 06:41:39.0	30.04
08/12/05 07:11:39.0	29.99
08/12/05 07:41:39.0	29.92
08/12/05 08:11:39.0	29.87
08/12/05 08:41:39.0	29.84
08/12/05 09:11:39.0	29.84
08/12/05 09:41:39.0	29.89
08/12/05 10:11:39.0	29.87
08/12/05 10:41:39.0	29.84
08/12/05 11:11:39.0	29.79
08/12/05 11:41:39.0	29.79
08/12/05 12:11:39.0	29.82
08/12/05 12:41:39.0	29.84
08/12/05 13:11:39.0	29.84
08/12/05 13:41:39.0	29.84
08/12/05 14:11:39.0	29.84
08/12/05 14:41:39.0	29.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/12/05 15:11:39.0	29.92
08/12/05 15:41:39.0	29.94
08/12/05 16:11:39.0	29.94
08/12/05 16:41:39.0	29.97
08/12/05 17:11:39.0	29.99
08/12/05 17:41:39.0	29.99
08/12/05 18:11:39.0	29.97
08/12/05 18:41:39.0	29.97
08/12/05 19:11:39.0	29.97
08/12/05 19:41:39.0	29.94
08/12/05 20:11:39.0	29.92
08/12/05 20:41:39.0	29.92
08/12/05 21:11:39.0	29.94
08/12/05 21:41:39.0	29.92
08/12/05 22:11:39.0	30.02
08/12/05 22:41:39.0	29.97
08/12/05 23:11:39.0	29.87
08/12/05 23:41:39.0	29.77
08/13/05 00:11:39.0	29.72
08/13/05 00:41:39.0	29.67
08/13/05 01:11:39.0	29.62
08/13/05 01:41:39.0	29.62
08/13/05 02:11:39.0	29.62
08/13/05 02:41:39.0	29.62
08/13/05 03:11:39.0	29.62
08/13/05 03:41:39.0	29.62
08/13/05 04:11:39.0	29.62
08/13/05 04:41:39.0	29.67
08/13/05 05:11:39.0	29.67
08/13/05 05:41:39.0	29.67
08/13/05 06:11:39.0	29.67
08/13/05 06:41:39.0	29.69
08/13/05 07:11:39.0	29.69
08/13/05 07:41:39.0	29.69
08/13/05 08:11:39.0	29.69
08/13/05 08:41:39.0	29.74
08/13/05 09:11:39.0	29.89
08/13/05 09:41:39.0	29.89
08/13/05 10:11:39.0	29.87
08/13/05 10:41:39.0	29.84
08/13/05 11:11:39.0	29.87
08/13/05 11:41:39.0	29.84
08/13/05 12:11:39.0	29.89
08/13/05 12:41:39.0	29.87
08/13/05 13:11:39.0	29.77
08/13/05 13:41:39.0	29.69
08/13/05 14:11:39.0	29.64
08/13/05 14:41:39.0	29.59
08/13/05 15:11:39.0	29.62
08/13/05 15:41:39.0	29.64
08/13/05 16:11:39.0	29.67
08/13/05 16:41:39.0	29.72
08/13/05 17:11:39.0	29.74
08/13/05 17:41:39.0	29.77
08/13/05 18:11:39.0	29.77
08/13/05 18:41:39.0	29.72
08/13/05 19:11:39.0	29.69
08/13/05 19:41:39.0	29.72
08/13/05 20:11:39.0	29.74

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/13/05 20:41:39.0	29.77
08/13/05 21:11:39.0	29.77
08/13/05 21:41:39.0	29.79
08/13/05 22:11:39.0	29.79
08/13/05 22:41:39.0	29.77
08/13/05 23:11:39.0	29.74
08/13/05 23:41:39.0	29.72
08/14/05 00:11:39.0	29.64
08/14/05 00:41:39.0	29.59
08/14/05 01:11:39.0	29.57
08/14/05 01:41:39.0	29.46
08/14/05 02:11:39.0	29.39
08/14/05 02:41:39.0	29.37
08/14/05 03:11:39.0	29.32
08/14/05 03:41:39.0	29.32
08/14/05 04:11:39.0	29.29
08/14/05 04:41:39.0	29.24
08/14/05 05:11:39.0	29.24
08/14/05 05:41:39.0	29.24
08/14/05 06:11:39.0	29.22
08/14/05 06:41:39.0	29.22
08/14/05 07:11:39.0	29.27
08/14/05 07:41:39.0	29.32
08/14/05 08:11:39.0	29.37
08/14/05 08:41:39.0	29.39
08/14/05 09:11:39.0	29.41
08/14/05 09:41:39.0	29.44
08/14/05 10:11:39.0	29.49
08/14/05 10:41:39.0	29.52
08/14/05 11:11:39.0	29.54
08/14/05 11:41:39.0	29.54
08/14/05 12:11:39.0	29.57
08/14/05 12:41:39.0	29.62
08/14/05 13:11:39.0	29.59
08/14/05 13:41:39.0	29.59
08/14/05 14:11:39.0	29.64
08/14/05 14:41:39.0	29.67
08/14/05 15:11:39.0	29.62
08/14/05 15:41:39.0	29.67
08/14/05 16:11:39.0	29.67
08/14/05 16:41:39.0	29.69
08/14/05 17:11:39.0	29.69
08/14/05 17:41:39.0	29.69
08/14/05 18:11:39.0	29.67
08/14/05 18:41:39.0	29.67
08/14/05 19:11:39.0	29.67
08/14/05 19:41:39.0	29.67
08/14/05 20:11:39.0	29.67
08/14/05 20:41:39.0	29.67
08/14/05 21:11:39.0	29.67
08/14/05 21:41:39.0	29.67
08/14/05 22:11:39.0	29.67
08/14/05 22:41:39.0	29.67
08/14/05 23:11:39.0	29.67
08/14/05 23:41:39.0	29.67
08/15/05 00:11:39.0	29.67
08/15/05 00:41:39.0	29.69
08/15/05 01:11:39.0	29.79
08/15/05 01:41:39.0	30.07

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/15/05 02:11:39.0	30.02
08/15/05 02:41:39.0	29.99
08/15/05 03:11:39.0	29.94
08/15/05 03:41:39.0	29.87
08/15/05 04:11:39.0	29.79
08/15/05 04:41:39.0	29.74
08/15/05 05:11:39.0	29.77
08/15/05 05:41:39.0	29.84
08/15/05 06:11:39.0	29.94
08/15/05 06:41:39.0	29.99
08/15/05 07:11:39.0	30.04
08/15/05 07:41:39.0	30.04
08/15/05 08:11:39.0	29.99
08/15/05 08:41:39.0	30.09
08/15/05 09:11:39.0	30.09
08/15/05 09:41:39.0	30.19
08/15/05 10:11:39.0	30.17
08/15/05 10:41:39.0	30.12
08/15/05 11:11:39.0	30.07
08/15/05 11:41:39.0	30.04
08/15/05 12:11:39.0	30.07
08/15/05 12:41:39.0	30.09
08/15/05 13:11:39.0	30.09
08/15/05 13:41:39.0	30.07
08/15/05 14:11:39.0	30.09
08/15/05 14:41:39.0	30.09
08/15/05 15:11:39.0	30.12
08/15/05 15:41:39.0	30.12
08/15/05 16:11:39.0	30.14
08/15/05 16:41:39.0	30.17
08/15/05 17:11:39.0	30.19
08/15/05 17:41:39.0	30.22
08/15/05 18:11:39.0	30.27
08/15/05 18:41:39.0	30.27
08/15/05 19:11:39.0	30.27
08/15/05 19:41:39.0	30.29
08/15/05 20:11:39.0	30.32
08/15/05 20:41:39.0	30.32
08/15/05 21:11:39.0	30.32
08/15/05 21:41:39.0	30.32
08/15/05 22:11:39.0	30.32
08/15/05 22:41:39.0	30.32
08/15/05 23:11:39.0	30.32
08/15/05 23:41:39.0	30.29
08/16/05 00:11:39.0	30.32
08/16/05 00:41:39.0	30.32
08/16/05 01:11:39.0	30.32
08/16/05 01:41:39.0	30.29
08/16/05 02:11:39.0	30.07
08/16/05 02:41:39.0	30.04
08/16/05 03:11:39.0	29.99
08/16/05 03:41:39.0	29.97
08/16/05 04:11:39.0	30.04
08/16/05 04:41:39.0	30.04
08/16/05 05:11:39.0	30.07
08/16/05 05:41:39.0	30.07
08/16/05 06:11:39.0	30.07
08/16/05 06:41:39.0	30.07
08/16/05 07:11:39.0	30.09

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/16/05 07:41:39.0	30.14
08/16/05 08:11:39.0	30.17
08/16/05 08:41:39.0	30.19
08/16/05 09:11:39.0	30.24
08/16/05 09:41:39.0	30.29
08/16/05 10:11:39.0	30.27
08/16/05 10:41:39.0	30.17
08/16/05 11:11:39.0	30.12
08/16/05 11:41:39.0	30.17
08/16/05 12:11:39.0	30.19
08/16/05 12:41:39.0	30.07
08/16/05 13:11:39.0	30.02
08/16/05 13:41:39.0	30.09
08/16/05 14:11:39.0	30.12
08/16/05 14:41:39.0	30.17
08/16/05 15:11:39.0	30.22
08/16/05 15:41:39.0	30.27
08/16/05 16:11:39.0	30.27
08/16/05 16:41:39.0	30.27
08/16/05 17:11:39.0	30.14
08/16/05 17:41:39.0	29.99
08/16/05 18:11:39.0	29.92
08/16/05 18:41:39.0	29.87
08/16/05 19:11:39.0	29.82
08/16/05 19:41:39.0	29.77
08/16/05 20:11:39.0	29.72
08/16/05 20:41:39.0	29.69
08/16/05 21:11:39.0	29.64
08/16/05 21:41:39.0	29.54
08/16/05 22:11:39.0	29.52
08/16/05 22:41:39.0	29.54
08/16/05 23:11:39.0	29.49
08/16/05 23:41:39.0	29.46
08/17/05 00:11:39.0	29.39
08/17/05 00:41:39.0	29.34
08/17/05 01:11:39.0	29.24
08/17/05 01:41:39.0	29.19
08/17/05 02:11:39.0	29.12
08/17/05 02:41:39.0	29.09
08/17/05 03:11:39.0	29.07
08/17/05 03:41:39.0	29.17
08/17/05 04:11:39.0	29.27
08/17/05 04:41:39.0	29.39
08/17/05 05:11:39.0	29.59
08/17/05 05:41:39.0	29.77
08/17/05 06:11:39.0	29.84
08/17/05 06:41:39.0	29.82
08/17/05 07:11:39.0	29.87
08/17/05 07:41:39.0	29.92
08/17/05 08:11:39.0	29.94
08/17/05 08:41:39.0	30.02
08/17/05 09:11:39.0	30.04
08/17/05 09:41:39.0	30.09
08/17/05 10:11:39.0	30.09
08/17/05 10:41:39.0	30.07
08/17/05 11:11:39.0	30.07
08/17/05 11:41:39.0	30.04
08/17/05 12:11:39.0	29.87
08/17/05 12:41:39.0	29.72

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/17/05 13:11:39.0	29.77
08/17/05 13:41:39.0	29.87
08/17/05 14:11:39.0	29.82
08/17/05 14:41:39.0	29.77
08/17/05 15:11:39.0	29.74
08/17/05 15:41:39.0	29.64
08/17/05 16:11:39.0	29.64
08/17/05 16:41:39.0	29.57
08/17/05 17:11:39.0	29.62
08/17/05 17:41:39.0	29.72
08/17/05 18:11:39.0	29.77
08/17/05 18:41:39.0	29.74
08/17/05 19:11:39.0	29.79
08/17/05 19:41:39.0	29.89
08/17/05 20:11:39.0	29.94
08/17/05 20:41:39.0	29.94
08/17/05 21:11:39.0	29.99
08/17/05 21:41:39.0	30.04
08/17/05 22:11:39.0	30.07
08/17/05 22:41:39.0	30.09
08/17/05 23:11:39.0	30.12
08/17/05 23:41:39.0	30.14
08/18/05 00:11:39.0	30.14
08/18/05 00:41:39.0	30.17
08/18/05 01:11:39.0	30.22
08/18/05 01:41:39.0	30.24
08/18/05 02:11:39.0	30.22
08/18/05 02:41:39.0	30.19
08/18/05 03:11:39.0	30.22
08/18/05 03:41:39.0	30.22
08/18/05 04:11:39.0	30.19
08/18/05 04:41:39.0	30.12
08/18/05 05:11:39.0	30.09
08/18/05 05:41:39.0	30.09
08/18/05 06:11:39.0	30.09
08/18/05 06:41:39.0	30.09
08/18/05 07:11:39.0	30.12
08/18/05 07:41:39.0	30.12
08/18/05 08:11:39.0	30.12
08/18/05 08:41:39.0	30.12
08/18/05 09:11:39.0	30.19
08/18/05 09:41:39.0	30.27
08/18/05 10:11:39.0	30.27
08/18/05 10:41:39.0	30.17
08/18/05 11:11:39.0	30.17
08/18/05 11:41:39.0	30.19
08/18/05 12:11:39.0	30.22
08/18/05 12:41:39.0	30.17
08/18/05 13:11:39.0	30.19
08/18/05 13:41:39.0	30.24
08/18/05 14:11:39.0	30.24
08/18/05 14:41:39.0	30.24
08/18/05 15:11:39.0	30.19
08/18/05 15:41:39.0	30.24
08/18/05 16:11:39.0	30.22
08/18/05 16:41:39.0	30.19
08/18/05 17:11:39.0	30.22
08/18/05 17:41:39.0	30.22
08/18/05 18:11:39.0	30.27

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/18/05 18:41:39.0	30.37
08/18/05 19:11:39.0	30.37
08/18/05 19:41:39.0	30.34
08/18/05 20:11:39.0	30.32
08/18/05 20:41:39.0	30.29
08/18/05 21:11:39.0	30.27
08/18/05 21:41:39.0	30.22
08/18/05 22:11:39.0	30.22
08/18/05 22:41:39.0	30.24
08/18/05 23:11:39.0	30.27
08/18/05 23:41:39.0	30.27
08/19/05 00:11:39.0	30.22
08/19/05 00:41:39.0	30.22
08/19/05 01:11:39.0	30.19
08/19/05 01:41:39.0	30.19
08/19/05 02:11:39.0	30.12
08/19/05 02:41:39.0	30.12
08/19/05 03:11:39.0	30.09
08/19/05 03:41:39.0	30.04
08/19/05 04:11:39.0	30.04
08/19/05 04:41:39.0	30.07
08/19/05 05:11:39.0	30.07
08/19/05 05:41:39.0	30.09
08/19/05 06:11:39.0	30.19
08/19/05 06:41:39.0	30.24
08/19/05 07:11:39.0	30.24
08/19/05 07:41:39.0	30.32
08/19/05 08:11:39.0	30.37
08/19/05 08:41:39.0	30.32
08/19/05 09:11:39.0	30.34
08/19/05 09:41:39.0	30.32
08/19/05 10:11:39.0	30.27
08/19/05 10:41:39.0	30.29
08/19/05 11:11:39.0	30.39
08/19/05 11:41:39.0	30.42
08/19/05 12:11:39.0	30.44
08/19/05 12:41:39.0	30.47
08/19/05 13:11:39.0	30.50
08/19/05 13:41:39.0	30.50
08/19/05 14:11:39.0	30.50
08/19/05 14:41:39.0	30.50
08/19/05 15:11:39.0	30.50
08/19/05 15:41:39.0	30.47
08/19/05 16:11:39.0	30.50
08/19/05 16:41:39.0	30.39
08/19/05 17:11:39.0	30.34
08/19/05 17:41:39.0	30.29
08/19/05 18:11:39.0	30.29
08/19/05 18:41:39.0	30.27
08/19/05 19:11:39.0	30.22
08/19/05 19:41:39.0	30.22
08/19/05 20:11:39.0	30.24
08/19/05 20:41:39.0	30.24
08/19/05 21:11:39.0	30.27
08/19/05 21:41:39.0	30.24
08/19/05 22:11:39.0	30.29
08/19/05 22:41:39.0	30.39
08/19/05 23:11:39.0	30.37
08/19/05 23:41:39.0	30.32

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/20/05 00:11:39.0	30.24
08/20/05 00:41:39.0	30.24
08/20/05 01:11:39.0	30.22
08/20/05 01:41:39.0	30.19
08/20/05 02:11:39.0	30.17
08/20/05 02:41:39.0	30.19
08/20/05 03:11:39.0	30.19
08/20/05 03:41:39.0	30.22
08/20/05 04:11:39.0	30.22
08/20/05 04:41:39.0	30.19
08/20/05 05:11:39.0	30.22
08/20/05 05:41:39.0	30.27
08/20/05 06:11:39.0	30.32
08/20/05 06:41:39.0	30.37
08/20/05 07:11:39.0	30.42
08/20/05 07:41:39.0	30.42
08/20/05 08:11:39.0	30.42
08/20/05 08:41:39.0	30.47
08/20/05 09:11:39.0	30.47
08/20/05 09:41:39.0	30.42
08/20/05 10:11:39.0	30.34
08/20/05 10:41:39.0	30.27
08/20/05 11:11:39.0	30.24
08/20/05 11:41:39.0	30.24
08/20/05 12:11:39.0	30.27
08/20/05 12:41:39.0	30.29
08/20/05 13:11:39.0	30.39
08/20/05 13:41:39.0	30.62
08/20/05 14:11:39.0	30.72
08/20/05 14:41:39.0	30.72
08/20/05 15:11:39.0	30.70
08/20/05 15:41:39.0	30.72
08/20/05 16:11:39.0	30.65
08/20/05 16:41:39.0	30.60
08/20/05 17:11:39.0	30.55
08/20/05 17:41:39.0	30.50
08/20/05 18:11:39.0	30.39
08/20/05 18:41:39.0	30.32
08/20/05 19:11:39.0	30.22
08/20/05 19:41:39.0	30.17
08/20/05 20:11:39.0	30.12
08/20/05 20:41:39.0	30.12
08/20/05 21:11:39.0	30.09
08/20/05 21:41:39.0	30.09
08/20/05 22:11:39.0	30.07
08/20/05 22:41:39.0	30.02
08/20/05 23:11:39.0	29.84
08/20/05 23:41:39.0	29.77
08/21/05 00:11:39.0	29.79
08/21/05 00:41:39.0	29.84
08/21/05 01:11:39.0	29.82
08/21/05 01:41:39.0	29.84
08/21/05 02:11:39.0	29.82
08/21/05 02:41:39.0	29.79
08/21/05 03:11:39.0	29.74
08/21/05 03:41:39.0	29.72
08/21/05 04:11:39.0	29.72
08/21/05 04:41:39.0	29.72
08/21/05 05:11:39.0	29.72

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/21/05 05:41:39.0	29.74
08/21/05 06:11:39.0	29.72
08/21/05 06:41:39.0	29.69
08/21/05 07:11:39.0	29.69
08/21/05 07:41:39.0	29.67
08/21/05 08:11:39.0	29.69
08/21/05 08:41:39.0	29.69
08/21/05 09:11:39.0	29.72
08/21/05 09:41:39.0	29.72
08/21/05 10:11:39.0	29.72
08/21/05 10:41:39.0	29.79
08/21/05 11:11:39.0	29.82
08/21/05 11:41:39.0	29.79
08/21/05 12:11:39.0	29.79
08/21/05 12:41:39.0	29.74
08/21/05 13:11:39.0	29.74
08/21/05 13:41:39.0	29.77
08/21/05 14:11:39.0	29.79
08/21/05 14:41:39.0	29.79
08/21/05 15:11:39.0	29.77
08/21/05 15:41:39.0	29.77
08/21/05 16:11:39.0	29.79
08/21/05 16:41:39.0	29.79
08/21/05 17:11:39.0	29.77
08/21/05 17:41:39.0	29.77
08/21/05 18:11:39.0	29.74
08/21/05 18:41:39.0	29.72
08/21/05 19:11:39.0	29.72
08/21/05 19:41:39.0	29.72
08/21/05 20:11:39.0	29.77
08/21/05 20:41:39.0	29.82
08/21/05 21:11:39.0	29.84
08/21/05 21:41:39.0	29.87
08/21/05 22:11:39.0	29.87
08/21/05 22:41:39.0	29.92
08/21/05 23:11:39.0	29.94
08/21/05 23:41:39.0	29.92
08/22/05 00:11:39.0	29.84
08/22/05 00:41:39.0	29.82
08/22/05 01:11:39.0	29.79
08/22/05 01:41:39.0	29.82
08/22/05 02:11:39.0	29.82
08/22/05 02:41:39.0	29.82
08/22/05 03:11:39.0	29.79
08/22/05 03:41:39.0	29.79
08/22/05 04:11:39.0	29.79
08/22/05 04:41:39.0	29.77
08/22/05 05:11:39.0	29.77
08/22/05 05:41:39.0	29.72
08/22/05 06:11:39.0	29.64
08/22/05 06:41:39.0	29.64
08/22/05 07:11:39.0	29.67
08/22/05 07:41:39.0	29.67
08/22/05 08:11:39.0	29.69
08/22/05 08:41:39.0	29.69
08/22/05 09:11:39.0	29.69
08/22/05 09:41:39.0	29.69
08/22/05 10:11:39.0	29.77
08/22/05 10:41:39.0	29.82

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/22/05 11:11:39.0	29.84
08/22/05 11:41:39.0	29.84
08/22/05 12:11:39.0	29.87
08/22/05 12:41:39.0	29.84
08/22/05 13:11:39.0	29.74
08/22/05 13:41:39.0	29.67
08/22/05 14:11:39.0	29.62
08/22/05 14:41:39.0	29.67
08/22/05 15:11:39.0	29.69
08/22/05 15:41:39.0	29.72
08/22/05 16:11:39.0	29.72
08/22/05 16:41:39.0	29.72
08/22/05 17:11:39.0	29.72
08/22/05 17:41:39.0	29.74
08/22/05 18:11:39.0	29.77
08/22/05 18:41:39.0	29.77
08/22/05 19:11:39.0	29.74
08/22/05 19:41:39.0	29.74
08/22/05 20:11:39.0	29.72
08/22/05 20:41:39.0	29.72
08/22/05 21:11:39.0	29.72
08/22/05 21:41:39.0	29.72
08/22/05 22:11:39.0	29.74
08/22/05 22:41:39.0	29.77
08/22/05 23:11:39.0	29.77
08/22/05 23:41:39.0	29.77
08/23/05 00:11:39.0	29.77
08/23/05 00:41:39.0	29.77
08/23/05 01:11:39.0	29.77
08/23/05 01:41:39.0	29.79
08/23/05 02:11:39.0	29.99
08/23/05 02:41:39.0	30.14
08/23/05 03:11:39.0	30.19
08/23/05 03:41:39.0	30.19
08/23/05 04:11:39.0	30.19
08/23/05 04:41:39.0	30.22
08/23/05 05:11:39.0	30.24
08/23/05 05:41:39.0	30.22
08/23/05 06:11:39.0	30.19
08/23/05 06:41:39.0	30.19
08/23/05 07:11:39.0	30.17
08/23/05 07:41:39.0	30.17
08/23/05 08:11:39.0	30.17
08/23/05 08:41:39.0	30.17
08/23/05 09:11:39.0	30.19
08/23/05 09:41:39.0	30.19
08/23/05 10:11:39.0	30.19
08/23/05 10:41:39.0	30.22
08/23/05 11:11:39.0	30.17
08/23/05 11:41:39.0	30.14
08/23/05 12:11:39.0	30.22
08/23/05 12:41:39.0	30.19
08/23/05 13:11:39.0	30.34
08/23/05 13:41:39.0	30.39
08/23/05 14:11:39.0	30.39
08/23/05 14:41:39.0	30.37
08/23/05 15:11:39.0	30.39
08/23/05 15:41:39.0	30.39
08/23/05 16:11:39.0	30.37

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/23/05 16:41:39.0	30.29
08/23/05 17:11:39.0	30.29
08/23/05 17:41:39.0	30.24
08/23/05 18:11:39.0	30.24
08/23/05 18:41:39.0	30.19
08/23/05 19:11:39.0	30.19
08/23/05 19:41:39.0	30.14
08/23/05 20:11:39.0	30.12
08/23/05 20:41:39.0	30.12
08/23/05 21:11:39.0	30.12
08/23/05 21:41:39.0	30.12
08/23/05 22:11:39.0	30.12
08/23/05 22:41:39.0	30.14
08/23/05 23:11:39.0	30.14
08/23/05 23:41:39.0	30.14
08/24/05 00:11:39.0	30.14
08/24/05 00:41:39.0	30.14
08/24/05 01:11:39.0	30.17
08/24/05 01:41:39.0	30.19
08/24/05 02:11:39.0	30.17
08/24/05 02:41:39.0	30.17
08/24/05 03:11:39.0	30.17
08/24/05 03:41:39.0	30.19
08/24/05 04:11:39.0	30.19
08/24/05 04:41:39.0	30.19
08/24/05 05:11:39.0	30.19
08/24/05 05:41:39.0	30.19
08/24/05 06:11:39.0	30.19
08/24/05 06:41:39.0	30.19
08/24/05 07:11:39.0	30.19
08/24/05 07:41:39.0	30.22
08/24/05 08:11:39.0	30.22
08/24/05 08:41:39.0	30.27
08/24/05 09:11:39.0	30.27
08/24/05 09:41:39.0	30.32
08/24/05 10:11:39.0	30.34
08/24/05 10:41:39.0	30.37
08/24/05 11:11:39.0	30.42
08/24/05 11:41:39.0	30.42
08/24/05 12:11:39.0	30.50
08/24/05 12:41:39.0	30.52
08/24/05 13:11:39.0	30.57
08/24/05 13:41:39.0	30.57
08/24/05 14:11:39.0	30.57
08/24/05 14:41:39.0	30.52
08/24/05 15:11:39.0	30.47
08/24/05 15:41:39.0	30.52
08/24/05 16:11:39.0	30.50
08/24/05 16:41:39.0	30.50
08/24/05 17:11:39.0	30.39
08/24/05 17:41:39.0	30.29
08/24/05 18:11:39.0	30.22
08/24/05 18:41:39.0	30.17
08/24/05 19:11:39.0	30.12
08/24/05 19:41:39.0	30.07
08/24/05 20:11:39.0	30.02
08/24/05 20:41:39.0	30.02
08/24/05 21:11:39.0	29.99
08/24/05 21:41:39.0	29.97

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	Temp (ºC)
08/24/05 22:11:39.0	29.97
08/24/05 22:41:39.0	29.99
08/24/05 23:11:39.0	29.94
08/24/05 23:41:39.0	29.94
08/25/05 00:11:39.0	29.97
08/25/05 00:41:39.0	29.99
08/25/05 01:11:39.0	29.99
08/25/05 01:41:39.0	29.99
08/25/05 02:11:39.0	29.99
08/25/05 02:41:39.0	29.99
08/25/05 03:11:39.0	29.99
08/25/05 03:41:39.0	30.02
08/25/05 04:11:39.0	30.02
08/25/05 04:41:39.0	30.04
08/25/05 05:11:39.0	30.12
08/25/05 05:41:39.0	30.07
08/25/05 06:11:39.0	30.22
08/25/05 06:41:39.0	30.29
08/25/05 07:11:39.0	30.32
08/25/05 07:41:39.0	30.32
08/25/05 08:11:39.0	30.34
08/25/05 08:41:39.0	30.34
08/25/05 09:11:39.0	30.37
08/25/05 09:41:39.0	30.37
08/25/05 10:11:39.0	30.34
08/25/05 10:41:39.0	30.34
08/25/05 11:11:39.0	30.37
08/25/05 11:41:39.0	30.39
08/25/05 12:11:39.0	30.37
08/25/05 12:41:39.0	30.32
08/25/05 13:11:39.0	30.27
08/25/05 13:41:39.0	30.27
08/25/05 14:11:39.0	30.29
08/25/05 14:41:39.0	30.34
08/25/05 15:11:39.0	30.34
08/25/05 15:41:39.0	30.37
08/25/05 16:11:39.0	30.39
08/25/05 16:41:39.0	30.39
08/25/05 17:11:39.0	30.37
08/25/05 17:41:39.0	30.37
08/25/05 18:11:39.0	30.37
08/25/05 18:41:39.0	30.37
08/25/05 19:11:39.0	30.37
08/25/05 19:41:39.0	30.37
08/25/05 20:11:39.0	30.37
08/25/05 20:41:39.0	30.37
08/25/05 21:11:39.0	30.34
08/25/05 21:41:39.0	30.32
08/25/05 22:11:39.0	30.34
08/25/05 22:41:39.0	30.32
08/25/05 23:11:39.0	30.32
08/25/05 23:41:39.0	30.34
08/26/05 00:11:39.0	30.32
08/26/05 00:41:39.0	30.32
08/26/05 01:11:39.0	30.32
08/26/05 01:41:39.0	30.32
08/26/05 02:11:39.0	30.32
08/26/05 02:41:39.0	30.32
08/26/05 03:11:39.0	30.32

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data June 8, 2005 - August 26, 2005	
Date/Time	**Temp (ºC)**
08/26/05 03:41:39.0	30.32
08/26/05 04:11:39.0	30.37
08/26/05 04:41:39.0	30.42
08/26/05 05:11:39.0	30.57
08/26/05 05:41:39.0	30.62
08/26/05 06:11:39.0	30.62
08/26/05 06:41:39.0	30.62
08/26/05 07:11:39.0	30.62
08/26/05 07:41:39.0	30.62
08/26/05 08:11:39.0	30.65
08/26/05 08:41:39.0	30.67
08/26/05 09:11:39.0	30.70
08/26/05 09:41:39.0	30.67
08/26/05 10:11:39.0	30.72
08/26/05 10:41:39.0	30.75
08/26/05 11:11:39.0	30.82
08/26/05 11:41:39.0	30.82
08/26/05 12:11:39.0	30.85
08/26/05 12:41:39.0	30.82
08/26/05 13:11:39.0	30.80
08/26/05 13:41:39.0	30.75
08/26/05 14:11:39.0	30.70
08/26/05 14:41:39.0	30.67
08/26/05 15:11:39.0	30.65
08/26/05 15:41:39.0	30.67
08/26/05 16:11:39.0	30.65
08/26/05 16:41:39.0	30.65
08/26/05 17:11:39.0	30.62
08/26/05 17:41:39.0	30.57
08/26/05 18:11:39.0	30.52
08/26/05 18:41:39.0	30.50
08/26/05 19:11:39.0	30.47
08/26/05 19:41:39.0	30.47
08/26/05 20:11:39.0	30.50
08/26/05 20:41:39.0	28.25
08/26/05 21:11:39.0	28.32
08/26/05 21:41:39.0	27.88
08/26/05 22:11:39.0	24.85

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/27/2005	1:30:28	30.50	54.902	36.20	93.3	5.74	57	48.30	23.145	8.20	-66.7	1.3	13.3
8/27/2005	2:00:28	30.52	54.845	36.16	93.9	5.77	57	48.37	23.195	8.21	-67.1	1.3	21.4
8/27/2005	2:30:28	30.50	54.712	36.06	94.4	5.81	57	48.42	23.229	8.21	-67.3	1.2	24.9
8/27/2005	3:00:28	30.48	54.625	35.99	94.7	5.83	57	48.49	23.276	8.21	-67.4	1.2	23.7
8/27/2005	3:30:28	30.46	54.594	35.97	94.3	5.81	56	48.52	23.300	8.22	-67.5	1.2	24.3
8/27/2005	4:00:28	30.45	54.593	35.97	93.8	5.78	56	48.57	23.329	8.22	-67.4	1.2	24.0
8/27/2005	4:30:28	30.44	54.607	35.98	93.2	5.74	56	48.60	23.350	8.22	-67.4	1.3	22.8
8/27/2005	5:00:28	30.45	54.647	36.01	92.3	5.69	56	48.61	23.361	8.21	-67.3	1.1	19.9
8/27/2005	5:30:28	30.44	54.684	36.04	90.9	5.60	56	48.63	23.373	8.21	-67.3	1.2	20.8
8/27/2005	6:00:28	30.44	54.727	36.07	90.3	5.56	56	48.63	23.373	8.21	-67.0	1.4	21.6
8/27/2005	6:30:28	30.45	54.761	36.10	89.1	5.48	56	48.66	23.391	8.21	-66.9	1.3	22.0
8/27/2005	7:00:28	30.47	54.803	36.13	89.5	5.51	55	48.64	23.379	8.21	-66.9	1.2	22.1
8/27/2005	7:30:28	30.48	54.834	36.15	87.2	5.36	55	48.64	23.379	8.20	-66.6	1.2	21.6
8/27/2005	8:00:28	30.48	54.866	36.17	85.3	5.25	55	48.66	23.391	8.20	-66.4	1.1	21.7
8/27/2005	8:30:28	30.47	54.898	36.20	83.0	5.10	54	48.62	23.364	8.19	-65.7	1.2	23.4
8/27/2005	9:00:28	30.45	54.929	36.22	81.8	5.03	54	48.62	23.362	8.18	-65.5	1.2	24.6
8/27/2005	9:30:28	30.45	54.950	36.24	82.3	5.06	54	48.61	23.354	8.18	-65.6	1.3	21.1
8/27/2005	10:00:28	30.47	54.972	36.25	78.3	4.82	54	48.59	23.339	8.17	-65.0	1.3	21.3
8/27/2005	10:30:28	30.49	54.996	36.27	73.6	4.52	53	48.58	23.333	8.16	-64.1	1.2	21.3
8/27/2005	11:00:28	30.47	55.018	36.29	75.9	4.66	53	48.56	23.320	8.16	-64.5	1.3	21.9
8/27/2005	11:30:27	30.47	55.038	36.30	74.2	4.56	53	48.54	23.307	8.16	-64.1	1.2	21.5
8/27/2005	12:00:28	30.47	55.054	36.31	73.3	4.50	53	48.53	23.300	8.16	-64.0	4.4	20.8
8/27/2005	12:30:28	30.48	55.072	36.33	74.9	4.60	53	48.50	23.276	8.16	-64.1	6.6	21.3
8/27/2005	13:00:28	30.49	55.082	36.34	73.9	4.54	52	48.45	23.242	8.16	-63.9	37.0	21.0
8/27/2005	13:30:28	30.51	55.104	36.35	74.1	4.55	52	48.43	23.232	8.15	-63.7	89.5	21.0
8/27/2005	14:00:28	30.53	55.114	36.36	74.6	4.58	53	48.41	23.213	8.15	-63.5	113.6	20.6
8/27/2005	14:30:28	30.53	55.132	36.37	76.7	4.71	53	48.38	23.195	8.15	-63.5	158.2	20.8
8/27/2005	15:00:28	30.57	55.145	36.38	78.1	4.79	53	48.32	23.156	8.15	-63.8	116.4	20.5
8/27/2005	15:30:28	30.61	55.153	36.38	87.1	5.34	54	48.29	23.132	8.18	-65.4	190.5	20.5
8/27/2005	16:00:28	30.63	55.156	36.38	96.7	5.93	56	48.24	23.102	8.20	-66.7	325.9	20.4
8/27/2005	16:30:28	30.61	55.170	36.40	99.3	6.09	56	48.19	23.062	8.21	-67.0	323.3	20.7
8/27/2005	17:00:28	30.61	55.184	36.41	100.8	6.18	56	48.15	23.034	8.21	-67.1	344.2	20.7
8/27/2005	17:30:28	30.62	55.202	36.42	100.4	6.15	56	48.09	22.997	8.21	-67.0	338.5	19.8
8/27/2005	18:00:28	30.64	55.214	36.43	102.2	6.26	56	48.01	22.938	8.21	-67.1	363.3	21.1
8/27/2005	18:30:28	30.67	55.221	36.43	102.7	6.29	57	47.97	22.915	8.21	-67.2	405.3	20.4
8/27/2005	19:00:28	30.64	55.235	36.44	103.2	6.32	57	47.95	22.897	8.21	-67.2	351.3	21.7
8/27/2005	19:30:28	30.59	55.235	36.44	103.9	6.37	57	47.92	22.874	8.21	-67.3	355.9	18.8
8/27/2005	20:00:28	30.50	55.259	36.47	104.0	6.38	57	47.84	22.822	8.21	-67.3	365.1	26.7
8/27/2005	20:30:28	30.52	55.273	36.48	104.2	6.39	57	47.82	22.807	8.22	-67.6	307.0	20.8
8/27/2005	21:00:28	30.53	55.287	36.49	104.9	6.44	57	47.79	22.789	8.22	-67.7	269.4	23.4
8/27/2005	21:30:28	30.52	55.281	36.48	103.6	6.36	57	47.85	22.831	8.22	-67.6	230.1	20.4
8/27/2005	22:00:28	30.52	55.304	36.50	102.3	6.28	56	48.00	22.927	8.22	-67.6	143.6	68.6
8/27/2005	22:30:28	30.53	55.320	36.51	102.0	6.26	55	47.88	22.845	8.22	-67.5	131.8	-0.4
8/27/2005	23:00:27	30.53	55.314	36.51	100.4	6.16	56	47.93	22.881	8.22	-67.4	92.4	-0.5
8/27/2005	23:30:28	30.53	55.321	36.51	98.8	6.06	56	47.86	22.836	8.21	-67.4	57.9	-0.5
8/28/2005	0:00:28	30.53	55.322	36.51	97.3	5.97	56	48.08	22.986	8.21	-67.4	27.3	-0.5
8/28/2005	0:30:28	30.53	55.335	36.52	96.2	5.90	55	48.07	22.982	8.21	-67.4	7.4	-0.4
8/28/2005	1:00:28	30.52	55.340	36.53	94.9	5.82	55	47.95	22.896	8.21	-67.4	1.3	-0.5
8/28/2005	1:30:28	30.52	55.348	36.53	94.5	5.80	55	47.93	22.879	8.21	-67.3	1.3	-0.3
8/28/2005	2:00:28	30.53	55.359	36.54	92.0	5.64	55	48.47	23.251	8.21	-67.0	1.2	-0.5
8/28/2005	2:30:28	30.54	55.374	36.55	91.6	5.62	55	47.98	22.914	8.20	-66.8	1.2	-0.4
8/28/2005	3:00:28	30.55	55.378	36.55	88.8	5.45	54	47.85	22.824	8.20	-66.3	1.3	-0.4
8/28/2005	3:30:28	30.55	55.379	36.55	87.3	5.35	54	48.01	22.939	8.19	-66.1	1.2	0.1
8/28/2005	4:00:28	30.55	55.386	36.56	87.3	5.35	54	48.63	23.365	8.19	-66.2	1.2	-0.4
8/28/2005	4:30:28	30.56	55.386	36.56	85.6	5.25	54	48.57	23.323	8.19	-65.9	1.3	-0.4
8/28/2005	5:00:28	30.56	55.390	36.56	85.0	5.21	54	48.75	23.445	8.19	-65.8	1.3	-0.4
8/28/2005	5:30:28	30.56	55.388	36.56	84.3	5.17	53	48.75	23.445	8.18	-65.6	1.2	-0.1
8/28/2005	6:00:28	30.57	55.388	36.56	83.5	5.12	53	48.39	23.196	8.18	-65.4	1.2	-0.5
8/28/2005	6:30:28	30.57	55.389	36.56	83.6	5.12	53	49.10	23.689	8.18	-65.4	1.2	2.4
8/28/2005	7:00:28	30.58	55.369	36.54	83.1	5.09	53	48.42	23.216	8.18	-65.4	1.3	0.4
8/28/2005	7:30:28	30.60	55.368	36.54	82.9	5.08	53	49.43	23.917	8.18	-65.4	1.3	0.9
8/28/2005	8:00:28	30.62	55.358	36.54	83.6	5.12	53	49.04	23.651	8.18	-65.6	1.3	4.4
8/28/2005	8:30:28	30.68	55.326	36.51	86.8	5.31	54	49.99	24.304	8.19	-66.2	1.2	16.2
8/28/2005	9:00:28	30.77	55.315	36.50	91.3	5.58	54	48.23	23.094	8.21	-67.1	1.3	0.4
8/28/2005	9:30:28	30.83	55.315	36.50	93.5	5.71	54	48.81	23.493	8.21	-67.4	1.3	7.6
8/28/2005	10:00:28	30.84	55.349	36.52	94.2	5.75	54	47.72	22.743	8.22	-67.6	1.3	2.2
8/28/2005	10:30:28	30.86	55.367	36.53	93.8	5.72	54	48.44	23.238	8.22	-67.5	1.2	0.7
8/28/2005	11:00:28	30.87	55.375	36.54	93.7	5.72	55	48.58	23.329	8.22	-67.5	1.2	0.1
8/28/2005	11:30:27	30.89	55.365	36.53	93.5	5.70	55	47.72	22.743	8.21	-67.5	1.4	7.2
8/28/2005	12:00:28	30.90	55.387	36.55	94.4	5.75	55	48.72	23.429	8.22	-67.6	6.2	0.7
8/28/2005	12:30:28	30.90	55.365	36.53	93.7	5.72	55	48.61	23.351	8.21	-67.3	19.4	2.6
8/28/2005	13:00:28	30.91	55.395	36.55	95.2	5.80	55	47.81	22.800	8.21	-67.5	45.4	1.0

Appendix 5
Water Quality Data

East Flower Garden Bank
August 27, 2005 - October 12, 2005

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/28/2005	13:30:28	30.92	55.396	36.55	95.7	5.83	55	48.07	22.984	8.21	-67.4	75.8	0.7
8/28/2005	14:00:28	30.92	55.406	36.56	96.8	5.90	55	48.51	23.284	8.21	-67.4	109.5	-0.2
8/28/2005	14:30:28	30.93	55.409	36.56	97.9	5.96	55	50.18	24.431	8.21	-67.4	67.7	8.3
8/28/2005	15:00:28	30.93	55.398	36.55	98.5	6.00	55	48.38	23.192	8.21	-67.3	162.6	0.7
8/28/2005	15:30:28	30.94	55.399	36.55	99.6	6.07	56	48.67	23.396	8.21	-67.4	236.4	0.1
8/28/2005	16:00:28	30.93	55.409	36.56	99.9	6.09	56	48.52	23.292	8.21	-67.4	117.3	-0.3
8/28/2005	16:30:28	30.93	55.413	36.56	100.3	6.11	56	48.68	23.404	8.21	-67.4	261.3	1.7
8/28/2005	17:00:28	30.93	55.315	36.49	99.9	6.09	56	48.17	23.051	8.21	-67.4	276.3	0.1
8/28/2005	17:30:28	30.94	55.430	36.58	101.9	6.21	56	48.65	23.381	8.22	-67.6	183.7	0.4
8/28/2005	18:00:28	30.96	55.431	36.58	103.9	6.33	57	48.93	23.576	8.22	-67.6	376.7	-0.4
8/28/2005	18:30:28	30.97	55.435	36.58	104.8	6.38	57	48.03	22.955	8.22	-67.7	348.3	53.8
8/28/2005	19:00:28	30.91	55.384	36.54	104.2	6.35	58	47.89	22.855	8.21	-67.5	374.7	0.0
8/28/2005	19:30:28	30.83	55.437	36.59	104.9	6.40	59	48.00	22.933	8.21	-67.4	374.9	0.3
8/28/2005	20:00:28	30.89	55.437	36.58	104.6	6.38	60	47.64	22.687	8.22	-67.6	289.4	0.3
8/28/2005	20:30:28	30.98	55.358	36.52	103.3	6.29	59	47.50	22.590	8.22	-67.8	187.2	14.8
8/28/2005	21:00:28	31.00	55.433	36.58	103.1	6.27	59	48.14	23.027	8.22	-67.9	143.1	2.6
8/28/2005	21:30:28	31.02	55.390	36.54	102.1	6.21	59	45.63	21.305	8.22	-67.9	148.5	39.2
8/28/2005	22:00:28	31.03	55.442	36.58	102.2	6.22	59	45.77	21.395	8.22	-68.1	102.0	1.2
8/28/2005	22:30:28	31.04	55.442	36.58	101.2	6.16	59	46.14	21.655	8.22	-68.0	113.1	1.4
8/28/2005	23:00:27	31.04	55.445	36.58	101.7	6.18	60	47.90	22.864	8.22	-68.1	68.4	-0.2
8/28/2005	23:30:28	31.03	55.442	36.58	96.3	5.86	55	48.19	23.062	8.22	-68.1	55.3	0.1
8/29/2005	0:00:28	31.02	55.414	36.56	97.6	5.94	57	47.96	22.904	8.22	-68.1	12.0	1275.8
8/29/2005	0:30:28	31.02	55.443	36.58	94.9	5.77	55	48.61	23.354	8.22	-68.1	6.4	0.7
8/29/2005	1:00:28	31.03	55.436	36.58	93.7	5.70	53	48.98	23.606	8.23	-68.2	1.4	-0.3
8/29/2005	1:30:28	31.02	54.782	36.09	92.1	5.62	53	46.74	22.071	8.23	-68.2	1.3	60.4
8/29/2005	2:00:28	31.02	55.421	36.57	91.6	5.57	50	47.79	22.788	8.23	-68.4	1.2	0.4
8/29/2005	2:30:28	31.00	55.408	36.56	91.2	5.55	52	46.17	21.669	8.23	-68.5	1.0	-0.2
8/29/2005	3:00:28	31.00	55.410	36.56	90.7	5.52	48	46.39	21.822	8.23	-68.5	1.2	0.2
8/29/2005	3:30:28	31.00	55.402	36.55	89.9	5.47	47	49.30	23.828	8.23	-68.4	1.4	-0.4
8/29/2005	4:00:28	30.99	55.351	36.52	89.8	5.47	47	48.27	23.121	8.23	-68.4	1.2	0.0
8/29/2005	4:30:28	30.97	55.386	36.54	89.9	5.47	47	47.05	22.277	8.23	-68.5	1.3	11.8
8/29/2005	5:00:28	30.98	55.346	36.51	90.0	5.48	48	51.53	25.365	8.23	-68.6	1.3	-0.2
8/29/2005	5:30:28	30.98	55.378	36.54	87.6	5.33	45	48.67	23.394	8.23	-68.6	1.3	0.0
8/29/2005	6:00:28	30.97	55.372	36.53	89.5	5.45	46	49.49	23.959	8.23	-68.6	1.3	-0.2
8/29/2005	6:30:28	30.96	55.290	36.47	89.3	5.44	47	49.25	23.793	8.23	-68.7	1.3	-0.4
8/29/2005	7:00:28	30.96	55.342	36.51	90.4	5.51	47	47.01	22.255	8.23	-68.7	1.4	6.0
8/29/2005	7:30:28	30.93	55.339	36.51	88.2	5.37	46	48.92	23.570	8.23	-68.7	1.3	-0.3
8/29/2005	8:00:28	30.94	55.315	36.49	89.2	5.43	47	49.01	23.632	8.24	-68.8	1.3	-0.5
8/29/2005	8:30:28	30.93	55.335	36.51	88.6	5.40	46	49.35	23.865	8.24	-68.8	1.3	-0.2
8/29/2005	9:00:28	30.94	55.357	36.52	87.6	5.34	45	47.93	22.887	8.24	-68.9	1.3	-0.5
8/29/2005	9:30:28	30.92	55.342	36.51	90.4	5.51	47	47.52	22.606	8.24	-69.0	1.3	0.9
8/29/2005	10:00:28	30.93	55.336	36.51	88.4	5.39	47	48.86	23.524	8.24	-69.0	1.4	-0.4
8/29/2005	10:30:28	30.94	55.300	36.48	87.9	5.36	47	49.13	23.713	8.24	-69.1	1.2	-0.5
8/29/2005	11:00:28	30.94	55.270	36.46	87.4	5.33	46	47.69	22.722	8.24	-69.2	1.3	2.0
8/29/2005	11:30:27	30.93	55.265	36.45	88.1	5.37	47	48.80	23.487	8.24	-69.2	1.3	-0.4
8/29/2005	12:00:28	30.93	55.267	36.46	88.5	5.40	47	47.92	22.879	8.24	-69.2	4.8	-0.4
8/29/2005	12:30:28	30.92	55.277	36.46	88.9	5.42	47	48.82	23.500	8.24	-69.1	22.6	-0.5
8/29/2005	13:00:28	30.91	55.266	36.46	89.2	5.44	47	48.39	23.206	8.24	-69.1	46.7	-0.6
8/29/2005	13:30:28	30.90	55.268	36.46	89.6	5.46	47	48.78	23.475	8.24	-69.1	91.5	-0.5
8/29/2005	14:00:28	30.90	55.249	36.44	90.0	5.49	47	49.22	23.778	8.24	-69.0	137.7	-0.6
8/29/2005	14:30:28	30.90	55.252	36.45	89.6	5.47	48	48.81	23.492	8.24	-69.1	100.4	-0.6
8/29/2005	15:00:28	30.90	55.233	36.43	90.1	5.49	49	47.82	22.813	8.24	-69.2	105.0	-0.4
8/29/2005	15:30:28	30.90	55.235	36.43	90.6	5.53	51	48.10	23.004	8.24	-69.2	271.4	-0.8
8/29/2005	16:00:28	30.91	55.227	36.43	91.9	5.60	52	47.86	22.841	8.24	-69.2	292.8	-0.5
8/29/2005	16:30:28	30.91	55.209	36.41	91.7	5.59	52	48.33	23.160	8.25	-69.4	148.5	-0.7
8/29/2005	17:00:28	30.92	55.192	36.40	92.7	5.66	51	48.15	23.042	8.25	-69.5	339.2	0.9
8/29/2005	17:30:28	30.93	55.174	36.39	93.8	5.72	50	48.38	23.197	8.25	-69.5	380.1	-0.5
8/29/2005	18:00:28	30.94	55.144	36.36	95.2	5.81	50	48.17	23.056	8.25	-69.6	353.9	-0.4
8/29/2005	18:30:28	30.95	55.130	36.35	96.4	5.88	50	48.07	22.983	8.25	-69.7	413.1	-0.5
8/29/2005	19:00:28	30.95	55.120	36.35	96.4	5.88	50	47.75	22.767	8.25	-69.8	378.4	-0.7
8/29/2005	19:30:28	30.96	55.103	36.33	96.5	5.89	50	48.07	22.988	8.25	-69.8	340.5	-0.5
8/29/2005	20:00:28	30.95	55.103	36.33	95.8	5.84	50	48.25	23.110	8.25	-69.8	317.5	-0.7
8/29/2005	20:30:28	30.96	55.092	36.32	95.3	5.81	49	48.00	22.936	8.26	-69.9	289.6	-0.7
8/29/2005	21:00:28	30.96	55.095	36.33	93.9	5.73	49	48.02	22.952	8.26	-69.9	235.8	-0.6
8/29/2005	21:30:28	30.96	55.091	36.32	93.7	5.71	49	48.09	23.002	8.26	-70.1	215.3	-0.4
8/29/2005	22:00:28	30.97	55.093	36.33	93.2	5.68	49	47.91	22.877	8.26	-70.1	161.2	-0.5
8/29/2005	22:30:28	30.85	55.187	36.40	87.5	5.34	48	47.86	22.839	8.24	-68.8	113.2	-0.5
8/29/2005	23:00:27	30.59	55.300	36.49	91.7	5.62	48	48.03	22.953	8.25	-69.6	73.3	-0.5
8/29/2005	23:30:28	30.56	55.350	36.53	90.9	5.57	48	47.94	22.887	8.25	-69.7	46.6	-0.5
8/30/2005	0:00:28	30.58	55.352	36.53	89.2	5.46	48	47.94	22.893	8.25	-69.8	21.8	-0.4
8/30/2005	0:30:28	30.59	55.363	36.54	86.0	5.27	48	47.73	22.747	8.25	-69.4	5.5	-0.6
8/30/2005	1:00:28	30.65	55.360	36.54	85.5	5.23	48	47.98	22.920	8.25	-69.6	1.3	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/30/2005	1:30:28	30.70	55.358	36.53	86.3	5.28	48	48.15	23.036	8.26	-69.9	1.3	-0.5
8/30/2005	2:00:28	30.73	55.351	36.53	85.6	5.23	48	48.02	22.945	8.26	-70.0	1.2	-0.4
8/30/2005	2:30:28	30.76	55.345	36.52	86.5	5.29	48	47.95	22.896	8.26	-70.1	1.3	-0.4
8/30/2005	3:00:28	30.78	55.343	36.52	86.9	5.31	48	48.13	23.024	8.26	-70.3	1.2	-0.7
8/30/2005	3:30:28	30.78	55.340	36.52	86.5	5.28	48	48.47	23.255	8.26	-70.2	1.3	-0.6
8/30/2005	4:00:28	30.80	55.334	36.51	85.5	5.22	48	48.52	23.289	8.26	-70.1	1.2	-0.4
8/30/2005	4:30:28	30.80	55.334	36.51	84.4	5.16	48	48.49	23.271	8.26	-70.0	1.3	-0.5
8/30/2005	5:00:28	30.81	55.333	36.51	82.8	5.06	48	48.41	23.213	8.25	-69.7	1.2	-0.7
8/30/2005	5:30:28	30.82	55.323	36.50	81.7	4.99	48	48.81	23.490	8.25	-69.6	1.2	-0.5
8/30/2005	6:00:28	30.83	55.317	36.50	80.9	4.94	48	48.62	23.363	8.25	-69.5	1.3	-0.4
8/30/2005	6:30:28	30.85	55.308	36.49	82.9	5.06	48	48.41	23.217	8.26	-69.9	1.2	-0.5
8/30/2005	7:00:28	30.86	55.303	36.49	82.5	5.04	48	48.75	23.449	8.26	-69.9	1.2	-0.7
8/30/2005	7:30:28	30.85	55.309	36.49	81.0	4.94	48	48.96	23.591	8.25	-69.6	1.3	-0.5
8/30/2005	8:00:28	30.86	55.301	36.48	79.1	4.83	48	49.10	23.688	8.25	-69.3	1.3	-0.5
8/30/2005	8:30:28	30.86	55.302	36.48	77.0	4.70	47	48.99	23.613	8.24	-69.0	1.2	-0.6
8/30/2005	9:00:28	30.89	55.284	36.47	79.5	4.85	47	48.54	23.309	8.25	-69.5	1.2	-0.7
8/30/2005	9:30:28	30.90	55.274	36.46	82.7	5.04	48	48.60	23.351	8.26	-70.2	1.4	-0.8
8/30/2005	10:00:28	30.91	55.271	36.46	83.0	5.06	48	48.68	23.403	8.26	-70.3	1.2	-0.6
8/30/2005	10:30:28	30.91	55.266	36.46	81.9	4.99	48	48.91	23.563	8.26	-70.1	1.4	-0.7
8/30/2005	11:00:28	30.92	55.263	36.45	80.6	4.91	48	48.61	23.356	8.26	-69.9	1.3	-0.7
8/30/2005	11:30:27	30.92	55.254	36.45	80.5	4.91	48	48.58	23.335	8.26	-69.9	1.3	-0.5
8/30/2005	12:00:28	30.92	55.256	36.45	78.8	4.81	48	48.68	23.406	8.25	-69.6	3.3	-0.5
8/30/2005	12:30:28	30.93	55.250	36.44	78.9	4.81	48	48.57	23.326	8.25	-69.6	10.7	-0.4
8/30/2005	13:00:28	30.92	55.249	36.44	80.5	4.91	48	48.68	23.403	8.26	-69.9	22.5	-0.6
8/30/2005	13:30:28	30.92	55.254	36.45	81.5	4.97	48	48.60	23.347	8.25	-69.9	34.1	-0.7
8/30/2005	14:00:28	30.93	55.257	36.45	82.4	5.03	48	48.67	23.399	8.25	-69.9	85.7	-0.7
8/30/2005	14:30:28	30.93	55.254	36.45	82.0	5.00	48	48.64	23.373	8.25	-69.7	118.4	-0.5
8/30/2005	15:00:28	30.93	55.254	36.45	80.8	4.93	48	48.75	23.450	8.25	-69.6	24.5	-0.5
8/30/2005	15:30:28	30.93	55.258	36.45	80.2	4.89	48	48.72	23.433	8.25	-69.5	54.7	-0.7
8/30/2005	16:00:28	30.93	55.256	36.45	81.1	4.95	48	48.82	23.501	8.25	-69.5	101.5	-0.5
8/30/2005	16:30:28	30.93	55.254	36.45	79.8	4.87	48	48.59	23.338	8.25	-69.4	75.3	-0.7
8/30/2005	17:00:28	30.95	55.251	36.44	78.5	4.78	48	48.53	23.298	8.24	-68.8	247.6	-0.5
8/30/2005	17:30:28	30.95	55.249	36.44	79.1	4.82	48	48.47	23.261	8.24	-68.9	249.5	-0.6
8/30/2005	18:00:28	30.96	55.247	36.44	79.6	4.85	48	48.33	23.166	8.24	-68.9	252.9	-0.7
8/30/2005	18:30:28	30.96	55.245	36.44	81.0	4.94	48	48.24	23.099	8.24	-69.2	251.6	-0.4
8/30/2005	19:00:28	30.97	55.246	36.44	81.6	4.97	49	48.39	23.202	8.25	-69.3	261.5	-0.5
8/30/2005	19:30:28	30.96	55.253	36.44	84.5	5.15	49	48.23	23.097	8.25	-69.9	221.1	-0.5
8/30/2005	20:00:28	30.95	55.256	36.45	90.5	5.52	49	48.23	23.091	8.28	-71.1	196.9	-0.5
8/30/2005	20:30:28	30.94	55.270	36.46	90.7	5.53	49	48.28	23.126	8.28	-71.2	64.7	-0.7
8/30/2005	21:00:28	30.92	55.278	36.47	90.6	5.53	49	48.17	23.048	8.28	-71.5	13.3	-0.5
8/30/2005	21:30:28	30.91	55.284	36.47	89.3	5.44	49	48.16	23.045	8.28	-71.4	8.2	-0.5
8/30/2005	22:00:28	30.91	55.284	36.47	87.3	5.33	49	47.93	22.887	8.28	-71.2	24.3	-0.5
8/30/2005	22:30:28	30.91	55.290	36.47	86.2	5.25	49	48.12	23.016	8.27	-70.9	51.3	-0.5
8/30/2005	23:00:27	30.90	55.295	36.48	86.2	5.26	49	47.96	22.907	8.27	-71.0	32.8	-0.6
8/30/2005	23:30:28	30.89	55.300	36.48	86.6	5.28	49	47.97	22.911	8.28	-71.0	29.7	-0.5
8/31/2005	0:00:28	30.89	55.291	36.48	85.9	5.24	49	47.84	22.823	8.28	-71.1	14.9	-0.7
8/31/2005	0:30:28	30.88	55.289	36.47	86.2	5.26	49	47.99	22.924	8.28	-71.2	3.9	-0.6
8/31/2005	1:00:28	30.87	55.284	36.47	86.2	5.26	48	47.90	22.863	8.28	-71.4	1.4	-0.7
8/31/2005	1:30:28	30.87	55.282	36.47	84.7	5.17	48	48.02	22.950	8.28	-71.3	1.4	-0.5
8/31/2005	2:00:28	30.88	55.275	36.46	85.4	5.21	48	48.04	22.965	8.28	-71.4	1.4	-0.7
8/31/2005	2:30:28	30.88	55.272	36.46	84.8	5.18	48	48.02	22.948	8.28	-71.4	1.4	-0.6
8/31/2005	3:00:28	30.87	55.274	36.46	85.2	5.20	49	48.03	22.958	8.28	-71.5	1.4	-0.7
8/31/2005	3:30:28	30.87	55.285	36.47	86.7	5.29	49	48.19	23.065	8.29	-71.7	1.4	-0.4
8/31/2005	4:00:28	30.88	55.289	36.47	86.5	5.28	49	48.28	23.129	8.29	-71.8	1.4	-0.6
8/31/2005	4:30:28	30.88	55.286	36.47	85.8	5.23	49	48.34	23.166	8.29	-71.7	1.4	-0.7
8/31/2005	5:00:28	30.87	55.287	36.47	87.0	5.31	49	48.43	23.228	8.29	-71.9	1.4	-0.7
8/31/2005	5:30:28	30.87	55.289	36.48	86.0	5.25	49	48.51	23.285	8.29	-71.7	1.4	-0.5
8/31/2005	6:00:28	30.87	55.286	36.47	85.1	5.19	49	48.51	23.287	8.28	-71.5	1.4	-0.6
8/31/2005	6:30:28	30.87	55.282	36.47	84.5	5.16	48	48.59	23.338	8.28	-71.5	1.4	-1.0
8/31/2005	7:00:28	30.88	55.279	36.47	85.2	5.20	49	48.60	23.350	8.29	-71.7	1.4	-0.7
8/31/2005	7:30:28	30.88	55.304	36.49	86.2	5.26	49	48.62	23.363	8.29	-72.0	1.4	-0.5
8/31/2005	8:00:28	30.86	55.329	36.50	87.0	5.31	49	48.79	23.481	8.29	-71.8	1.4	-0.4
8/31/2005	8:30:28	30.83	55.336	36.51	86.7	5.29	49	48.67	23.396	8.29	-71.8	1.6	-0.5
8/31/2005	9:00:28	30.80	55.344	36.52	86.7	5.30	49	48.75	23.446	8.29	-71.7	1.3	-0.8
8/31/2005	9:30:28	30.77	55.356	36.53	86.5	5.29	49	48.79	23.479	8.29	-71.7	1.4	-0.7
8/31/2005	10:00:28	30.77	55.367	36.54	85.9	5.25	49	48.66	23.384	8.29	-71.7	1.4	-0.5
8/31/2005	10:30:28	30.77	55.374	36.54	85.9	5.25	49	48.74	23.445	8.29	-71.6	1.5	-0.6
8/31/2005	11:00:28	30.78	55.382	36.55	83.8	5.12	48	48.74	23.443	8.28	-71.4	1.4	-0.5
8/31/2005	11:30:27	30.75	55.411	36.57	87.0	5.32	49	48.76	23.452	8.29	-71.8	1.5	-0.6
8/31/2005	12:00:28	30.76	55.406	36.57	85.7	5.24	49	48.71	23.418	8.28	-71.5	3.8	-0.7
8/31/2005	12:30:28	30.76	55.411	36.57	84.9	5.19	49	48.76	23.456	8.28	-71.3	9.4	-0.5
8/31/2005	13:00:28	30.76	55.411	36.57	83.8	5.12	49	48.71	23.422	8.28	-71.1	28.2	-0.7

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/31/2005	13:30:28	30.77	55.410	36.57	83.9	5.12	49	48.70	23.414	8.28	-71.0	48.7	-0.7
8/31/2005	14:00:28	30.77	55.412	36.57	83.4	5.10	49	48.62	23.361	8.27	-70.8	61.1	-0.5
8/31/2005	14:30:28	30.78	55.408	36.57	83.2	5.08	49	48.65	23.380	8.27	-70.7	57.9	-0.5
8/31/2005	15:00:28	30.78	55.413	36.57	81.2	4.96	48	48.62	23.358	8.27	-70.6	13.6	-0.5
8/31/2005	15:30:28	30.81	55.402	36.56	79.6	4.86	48	48.63	23.364	8.26	-70.3	13.4	-0.5
8/31/2005	16:00:28	30.82	55.386	36.55	77.5	4.73	48	48.67	23.394	8.26	-69.9	24.1	-0.7
8/31/2005	16:30:28	30.82	55.378	36.54	76.8	4.69	48	48.62	23.357	8.25	-69.8	51.5	-0.7
8/31/2005	17:00:28	30.85	55.334	36.51	76.4	4.66	48	48.54	23.305	8.25	-69.8	87.7	-0.7
8/31/2005	17:30:28	30.86	55.309	36.49	77.5	4.73	48	48.48	23.268	8.26	-69.9	173.1	-0.5
8/31/2005	18:00:28	30.87	55.297	36.48	78.2	4.77	49	48.46	23.250	8.25	-69.8	259.2	-0.6
8/31/2005	18:30:28	30.84	55.331	36.51	79.8	4.87	49	48.43	23.227	8.26	-70.1	129.5	-0.8
8/31/2005	19:00:28	30.85	55.331	36.51	80.6	4.92	49	48.33	23.160	8.26	-70.3	152.6	-0.5
8/31/2005	19:30:28	30.86	55.324	36.50	80.2	4.90	49	48.34	23.170	8.26	-70.1	198.3	-0.5
8/31/2005	20:00:28	30.90	55.297	36.48	81.0	4.94	49	48.26	23.116	8.26	-70.4	184.6	-0.7
8/31/2005	20:30:28	30.91	55.277	36.46	80.2	4.89	48	48.23	23.096	8.26	-70.4	129.8	-0.5
8/31/2005	21:00:28	30.92	55.275	36.46	80.4	4.90	49	48.17	23.055	8.26	-70.4	124.4	-0.5
8/31/2005	21:30:28	30.93	55.267	36.46	79.9	4.87	49	48.12	23.019	8.26	-70.3	121.9	-0.6
8/31/2005	22:00:28	30.93	55.248	36.44	80.3	4.90	48	48.09	22.997	8.26	-70.4	84.5	-0.6
8/31/2005	22:30:28	30.91	55.254	36.45	80.3	4.90	49	48.02	22.948	8.27	-70.6	61.9	-0.4
8/31/2005	23:00:27	30.92	55.251	36.44	80.4	4.90	48	48.03	22.958	8.27	-70.6	41.3	-0.8
8/31/2005	23:30:28	30.92	55.247	36.44	79.0	4.82	48	47.95	22.898	8.26	-70.4	26.1	-0.4
9/1/2005	0:00:28	30.91	55.241	36.44	82.4	5.03	48	47.96	22.911	8.28	-71.4	14.1	-0.7
9/1/2005	0:30:28	30.90	55.279	36.47	86.6	5.28	49	47.94	22.896	8.29	-72.1	4.3	-0.4
9/1/2005	1:00:28	30.88	55.310	36.49	88.1	5.38	49	47.99	22.924	8.30	-72.4	1.7	-0.4
9/1/2005	1:30:28	30.85	55.327	36.50	87.9	5.37	49	47.97	22.911	8.30	-72.4	1.6	-0.4
9/1/2005	2:00:28	30.81	55.329	36.51	88.4	5.40	49	48.01	22.938	8.30	-72.3	1.8	-0.5
9/1/2005	2:30:28	30.78	55.340	36.52	87.6	5.35	49	48.04	22.961	8.30	-72.3	1.8	-0.7
9/1/2005	3:00:28	30.74	55.344	36.52	88.3	5.40	49	48.13	23.019	8.30	-72.4	1.7	-0.6
9/1/2005	3:30:28	30.73	55.341	36.52	87.7	5.36	49	48.15	23.037	8.30	-72.4	1.9	-0.6
9/1/2005	4:00:28	30.72	55.341	36.52	87.2	5.33	49	48.23	23.091	8.30	-72.3	1.6	-0.4
9/1/2005	4:30:28	30.74	55.332	36.51	86.5	5.29	49	48.27	23.117	8.30	-72.2	1.8	-0.7
9/1/2005	5:00:28	30.76	55.327	36.51	86.0	5.26	49	48.37	23.186	8.30	-72.3	1.8	-0.5
9/1/2005	5:30:28	30.79	55.326	36.51	86.6	5.29	49	48.33	23.163	8.30	-72.4	1.7	-0.6
9/1/2005	6:00:28	30.80	55.340	36.52	85.6	5.23	49	48.49	23.271	8.30	-72.3	1.7	-0.7
9/1/2005	6:30:28	30.81	55.339	36.51	85.2	5.20	49	48.52	23.290	8.29	-72.1	1.8	-0.6
9/1/2005	7:00:28	30.81	55.342	36.52	82.9	5.06	49	48.56	23.318	8.29	-71.7	1.7	-0.7
9/1/2005	7:30:28	30.82	55.332	36.51	80.3	4.90	48	48.60	23.347	8.28	-71.4	1.8	-0.6
9/1/2005	8:00:28	30.82	55.327	36.50	79.4	4.85	48	48.61	23.353	8.28	-71.3	1.7	-0.4
9/1/2005	8:30:28	30.82	55.326	36.50	77.5	4.73	48	48.72	23.426	8.27	-70.9	1.7	-0.5
9/1/2005	9:00:28	30.81	55.314	36.50	75.6	4.62	48	48.69	23.405	8.27	-70.6	1.7	-0.4
9/1/2005	9:30:28	30.78	55.305	36.49	76.7	4.68	48	48.68	23.401	8.27	-70.8	1.7	-0.5
9/1/2005	10:00:28	30.81	55.313	36.50	74.7	4.56	48	48.72	23.429	8.27	-70.5	1.7	-0.6
9/1/2005	10:30:28	30.81	55.315	36.50	74.9	4.57	48	48.74	23.440	8.27	-70.5	1.8	9.2
9/1/2005	11:00:28	30.81	55.321	36.50	72.4	4.42	48	48.71	23.421	8.26	-70.1	1.7	-0.6
9/1/2005	11:30:27	30.83	55.324	36.50	71.8	4.38	47	48.73	23.436	8.26	-70.0	1.8	-0.7
9/1/2005	12:00:28	30.82	55.323	36.50	71.0	4.34	47	48.70	23.413	8.25	-69.8	3.5	-0.5
9/1/2005	12:30:28	30.83	55.326	36.50	69.4	4.24	47	48.76	23.455	8.25	-69.4	9.1	-0.6
9/1/2005	13:00:28	30.83	55.321	36.50	64.9	3.96	47	48.70	23.418	8.23	-68.6	26.3	-0.5
9/1/2005	13:30:28	30.83	55.318	36.50	65.9	4.02	47	48.71	23.422	8.23	-68.6	50.8	-0.7
9/1/2005	14:00:28	30.83	55.313	36.49	64.4	3.93	47	48.67	23.397	8.23	-68.4	38.1	-0.5
9/1/2005	14:30:28	30.69	55.317	36.50	80.2	4.91	48	48.65	23.383	8.28	-71.0	14.2	-0.7
9/1/2005	15:00:28	30.64	55.327	36.51	83.5	5.11	49	48.63	23.368	8.29	-71.7	6.0	-0.7
9/1/2005	15:30:28	30.63	55.327	36.51	83.3	5.10	49	48.65	23.377	8.29	-71.7	14.5	-0.5
9/1/2005	16:00:28	30.63	55.331	36.52	84.0	5.14	49	48.61	23.350	8.29	-71.8	27.5	-0.8
9/1/2005	16:30:28	30.64	55.329	36.51	83.0	5.08	49	48.59	23.339	8.28	-71.5	70.0	-0.6
9/1/2005	17:00:28	30.65	55.323	36.51	80.9	4.95	49	48.51	23.280	8.27	-71.0	121.6	-0.4
9/1/2005	17:30:28	30.63	55.333	36.52	84.9	5.20	49	48.45	23.242	8.28	-71.5	131.3	-0.6
9/1/2005	18:00:28	30.58	55.353	36.53	87.2	5.34	50	48.48	23.259	8.29	-71.8	139.1	-0.7
9/1/2005	18:30:28	30.58	55.364	36.54	88.1	5.40	50	48.44	23.235	8.29	-71.9	186.1	-0.3
9/1/2005	19:00:28	30.56	55.370	36.55	88.5	5.43	50	48.38	23.193	8.29	-71.8	202.4	-0.8
9/1/2005	19:30:28	30.54	55.382	36.56	90.0	5.52	50	48.31	23.144	8.29	-72.1	189.5	-0.7
9/1/2005	20:00:28	30.53	55.386	36.56	90.8	5.57	50	48.28	23.122	8.30	-72.3	179.1	-0.5
9/1/2005	20:30:28	30.54	55.383	36.56	91.3	5.60	50	48.22	23.083	8.30	-72.4	162.6	-0.7
9/1/2005	21:00:28	30.56	55.384	36.56	90.8	5.57	50	48.18	23.052	8.30	-72.4	145.3	-0.6
9/1/2005	21:30:28	30.58	55.381	36.55	89.0	5.45	50	48.11	23.006	8.30	-72.2	108.4	-0.7
9/1/2005	22:00:28	30.58	55.383	36.56	89.5	5.49	49	48.04	22.957	8.30	-72.3	38.6	-0.4
9/1/2005	22:30:28	30.64	55.368	36.54	83.9	5.14	49	48.01	22.941	8.28	-71.4	50.7	-0.4
9/1/2005	23:00:27	30.62	55.367	36.54	84.6	5.18	49	47.99	22.922	8.28	-71.5	41.2	-0.7
9/1/2005	23:30:28	30.63	55.365	36.54	83.0	5.08	49	47.96	22.900	8.28	-71.3	28.2	-0.6
9/2/2005	0:00:28	30.64	55.362	36.54	80.6	4.93	48	47.93	22.882	8.27	-70.9	15.5	-0.7
9/2/2005	0:30:28	30.64	55.364	36.54	79.3	4.85	48	47.92	22.874	8.27	-70.7	4.2	-0.5
9/2/2005	1:00:28	30.64	55.359	36.54	79.4	4.86	48	47.93	22.884	8.27	-70.9	2.0	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/2/2005	1:30:28	30.65	55.345	36.53	76.2	4.66	48	47.92	22.877	8.26	-70.4	2.0	-0.6
9/2/2005	2:00:28	30.72	55.339	36.52	77.7	4.75	48	47.92	22.874	8.27	-70.6	2.1	-0.5
9/2/2005	2:30:28	30.77	55.349	36.52	76.2	4.66	48	47.94	22.895	8.27	-70.8	2.0	-0.8
9/2/2005	3:00:28	30.85	55.354	36.52	81.7	4.98	49	48.00	22.932	8.29	-72.1	2.0	-0.7
9/2/2005	3:30:28	30.83	55.358	36.53	82.8	5.05	49	48.03	22.955	8.29	-71.9	2.0	-0.5
9/2/2005	4:00:28	30.84	55.360	36.53	81.2	4.96	49	48.11	23.012	8.28	-71.5	2.0	-0.7
9/2/2005	4:30:28	30.84	55.357	36.53	81.7	4.99	49	48.13	23.026	8.29	-71.7	2.1	-0.6
9/2/2005	5:00:28	30.83	55.357	36.53	81.8	4.99	49	48.21	23.078	8.29	-71.7	2.0	-0.5
9/2/2005	5:30:28	30.82	55.353	36.52	83.5	5.10	49	48.24	23.098	8.29	-72.0	2.0	-0.6
9/2/2005	6:00:28	30.80	55.361	36.53	83.1	5.07	49	48.29	23.133	8.29	-71.8	2.0	-0.7
9/2/2005	6:30:28	30.80	55.361	36.53	83.4	5.09	49	48.35	23.176	8.29	-72.0	2.0	-0.4
9/2/2005	7:00:28	30.77	55.356	36.53	85.5	5.23	49	48.41	23.215	8.30	-72.2	2.0	-0.5
9/2/2005	7:30:28	30.72	55.362	36.53	85.6	5.23	49	48.43	23.231	8.30	-72.3	1.9	-0.7
9/2/2005	8:00:28	30.68	55.362	36.54	85.6	5.24	49	48.51	23.280	8.30	-72.2	2.0	-0.5
9/2/2005	8:30:28	30.66	55.362	36.54	85.8	5.25	49	48.50	23.276	8.29	-72.1	1.9	-0.6
9/2/2005	9:00:28	30.63	55.373	36.55	85.9	5.26	49	48.56	23.315	8.30	-72.2	2.0	-0.4
9/2/2005	9:30:28	30.57	55.379	36.55	85.6	5.25	49	48.59	23.335	8.30	-72.2	2.0	-0.5
9/2/2005	10:00:28	30.52	55.399	36.57	85.2	5.23	49	48.62	23.355	8.29	-72.0	1.9	-0.7
9/2/2005	10:30:28	30.52	55.407	36.58	84.9	5.21	49	48.64	23.373	8.29	-72.0	2.0	-0.6
9/2/2005	11:00:28	30.50	55.410	36.58	84.3	5.17	49	48.63	23.360	8.29	-71.9	1.9	-0.5
9/2/2005	11:30:27	30.50	55.414	36.58	83.9	5.14	49	48.62	23.356	8.29	-71.9	1.9	-0.6
9/2/2005	12:00:28	30.53	55.427	36.59	83.4	5.11	49	48.60	23.343	8.29	-72.0	4.0	-0.5
9/2/2005	12:30:28	30.53	55.429	36.59	84.0	5.15	49	48.62	23.355	8.29	-71.9	16.4	-0.7
9/2/2005	13:00:28	30.53	55.421	36.59	83.9	5.14	49	48.67	23.391	8.29	-71.8	38.4	-0.5
9/2/2005	13:30:28	30.55	55.420	36.58	84.8	5.20	49	48.65	23.374	8.29	-71.9	57.4	-0.7
9/2/2005	14:00:28	30.57	55.414	36.58	85.4	5.23	49	48.67	23.390	8.29	-71.9	105.4	-0.3
9/2/2005	14:30:28	30.58	55.415	36.58	84.3	5.17	49	48.64	23.370	8.29	-71.8	136.4	-0.6
9/2/2005	15:00:28	30.62	55.405	36.57	84.0	5.14	49	48.66	23.384	8.29	-71.7	118.7	-0.4
9/2/2005	15:30:28	30.63	55.400	36.57	83.4	5.11	49	48.66	23.384	8.28	-71.4	174.6	-0.4
9/2/2005	16:00:28	30.65	55.390	36.56	84.4	5.16	49	48.62	23.357	8.28	-71.5	177.6	-0.4
9/2/2005	16:30:28	30.66	55.383	36.55	85.6	5.24	49	48.63	23.367	8.29	-71.6	181.0	-0.8
9/2/2005	17:00:28	30.68	55.376	36.55	86.9	5.32	49	48.60	23.346	8.29	-71.9	190.4	-0.5
9/2/2005	17:30:28	30.70	55.316	36.50	87.1	5.33	49	48.59	23.339	8.29	-72.0	187.4	-0.7
9/2/2005	18:00:28	30.72	55.280	36.47	87.7	5.36	49	48.54	23.302	8.29	-72.1	132.9	-0.5
9/2/2005	18:30:28	30.73	55.254	36.45	87.3	5.34	49	48.51	23.284	8.29	-72.1	102.6	-0.5
9/2/2005	19:00:28	30.71	55.103	36.34	87.8	5.38	49	48.47	23.256	8.30	-72.2	143.9	-0.5
9/2/2005	19:30:28	30.64	55.248	36.45	88.3	5.41	49	48.44	23.233	8.30	-72.2	154.8	-0.4
9/2/2005	20:00:28	30.46	55.361	36.54	89.2	5.48	49	48.41	23.211	8.29	-72.0	79.4	-0.4
9/2/2005	20:30:28	30.43	55.380	36.56	88.5	5.44	49	48.34	23.161	8.30	-72.2	85.5	-0.5
9/2/2005	21:00:28	30.47	55.364	36.55	87.6	5.38	49	48.31	23.142	8.29	-72.1	72.5	-0.5
9/2/2005	21:30:28	30.48	55.363	36.54	87.7	5.38	49	48.26	23.108	8.29	-72.1	107.9	-0.5
9/2/2005	22:00:28	30.44	55.368	36.55	87.1	5.35	49	48.22	23.082	8.29	-72.0	85.0	-0.7
9/2/2005	22:30:28	30.37	55.380	36.56	86.5	5.32	49	48.16	23.041	8.29	-71.8	86.4	0.0
9/2/2005	23:00:27	30.29	55.397	36.58	87.2	5.37	49	48.12	23.009	8.29	-71.8	49.2	-0.4
9/2/2005	23:30:28	30.32	55.412	36.59	87.0	5.35	49	48.06	22.971	8.29	-72.0	34.3	-0.8
9/3/2005	0:00:28	30.36	55.437	36.60	87.0	5.35	49	48.03	22.950	8.30	-72.1	11.6	-0.4
9/3/2005	0:30:28	30.34	55.440	36.61	86.1	5.29	49	48.00	22.927	8.29	-72.1	3.3	-0.6
9/3/2005	1:00:28	30.17	55.441	36.61	86.4	5.33	49	47.99	22.916	8.29	-72.0	2.1	-0.8
9/3/2005	1:30:28	30.07	55.453	36.63	86.9	5.36	49	48.01	22.936	8.30	-72.1	2.1	-0.6
9/3/2005	2:00:28	30.10	55.457	36.63	85.8	5.29	49	48.00	22.923	8.30	-72.3	2.1	-0.5
9/3/2005	2:30:28	30.14	55.469	36.64	85.6	5.28	49	47.99	22.922	8.30	-72.3	2.0	-0.5
9/3/2005	3:00:28	30.16	55.459	36.63	82.9	5.11	49	48.01	22.931	8.29	-71.7	2.0	-0.4
9/3/2005	3:30:28	30.17	55.463	36.63	82.6	5.09	49	48.03	22.945	8.29	-71.6	2.1	-0.5
9/3/2005	4:00:28	30.21	55.464	36.63	80.0	4.93	49	48.09	22.987	8.28	-71.2	2.0	-0.3
9/3/2005	4:30:28	30.22	55.466	36.63	78.7	4.84	48	48.09	22.990	8.28	-71.0	2.1	-0.6
9/3/2005	5:00:28	30.23	55.462	36.63	79.1	4.87	48	48.14	23.026	8.28	-71.0	2.0	-0.5
9/3/2005	5:30:28	30.24	55.466	36.63	77.7	4.79	48	48.19	23.060	8.27	-70.9	2.1	-0.4
9/3/2005	6:00:28	30.29	55.461	36.62	72.8	4.48	48	48.24	23.091	8.26	-69.9	2.0	-0.7
9/3/2005	6:30:28	30.30	55.466	36.63	71.5	4.40	48	48.29	23.124	8.25	-69.7	2.0	-0.6
9/3/2005	7:00:28	30.36	55.454	36.62	69.3	4.26	47	48.31	23.145	8.25	-69.3	2.0	-0.8
9/3/2005	7:30:28	30.39	55.459	36.62	69.4	4.26	47	48.37	23.182	8.25	-69.3	2.0	-0.6
9/3/2005	8:00:28	30.39	55.460	36.62	67.8	4.16	47	48.37	23.182	8.24	-69.0	2.0	-0.5
9/3/2005	8:30:28	30.42	55.454	36.61	67.1	4.12	47	48.41	23.207	8.24	-68.8	2.0	-0.6
9/3/2005	9:00:28	30.43	55.455	36.62	63.2	3.88	47	48.41	23.209	8.23	-68.1	2.0	-0.7
9/3/2005	9:30:28	30.43	55.458	36.62	63.6	3.90	47	48.45	23.235	8.23	-68.1	2.0	-0.6
9/3/2005	10:00:28	30.43	55.454	36.61	63.6	3.91	47	48.48	23.257	8.22	-68.0	2.1	-0.5
9/3/2005	10:30:28	30.44	55.452	36.61	62.1	3.81	47	48.47	23.250	8.22	-67.9	2.0	-0.7
9/3/2005	11:00:28	30.43	55.451	36.61	60.3	3.70	46	48.49	23.268	8.22	-67.4	2.0	-0.5
9/3/2005	11:30:27	30.45	55.447	36.61	58.5	3.59	46	48.51	23.282	8.21	-67.0	2.0	-0.4
9/3/2005	12:00:28	30.45	55.447	36.61	58.8	3.61	46	48.49	23.265	8.21	-67.0	4.3	-0.5
9/3/2005	12:30:28	30.46	55.441	36.60	56.8	3.48	46	48.51	23.278	8.20	-66.6	14.7	-0.5
9/3/2005	13:00:28	30.48	55.431	36.59	57.5	3.53	46	48.50	23.270	8.21	-66.9	30.5	-0.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m²	Turbidity NTU
9/3/2005	13:30:28	30.49	55.430	36.59	55.3	3.39	46	48.49	23.264	8.19	-66.2	50.4	-0.5
9/3/2005	14:00:28	30.51	55.418	36.58	54.7	3.36	46	48.50	23.275	8.19	-66.0	69.7	-0.7
9/3/2005	14:30:28	30.53	55.413	36.58	55.9	3.43	46	48.49	23.270	8.19	-66.0	99.3	-0.3
9/3/2005	15:00:28	30.54	55.410	36.58	55.1	3.38	46	48.52	23.286	8.19	-65.9	133.4	-0.5
9/3/2005	15:30:28	30.57	55.402	36.57	59.2	3.63	46	48.53	23.292	8.20	-66.7	138.7	-0.5
9/3/2005	16:00:28	30.63	55.373	36.55	69.9	4.28	47	48.51	23.283	8.24	-69.0	97.7	-0.5
9/3/2005	16:30:28	30.62	55.379	36.55	72.4	4.43	48	48.54	23.306	8.25	-69.3	129.4	-0.5
9/3/2005	17:00:28	30.61	55.394	36.56	80.8	4.95	48	48.53	23.292	8.28	-71.0	133.2	-0.5
9/3/2005	17:30:28	30.61	55.395	36.56	82.5	5.05	48	48.52	23.287	8.28	-71.1	148.3	-0.5
9/3/2005	18:00:28	30.54	55.425	36.59	85.4	5.23	49	48.50	23.277	8.28	-71.3	114.4	-0.6
9/3/2005	18:30:28	30.50	55.441	36.60	87.6	5.37	49	48.50	23.272	8.29	-71.9	106.9	-0.7
9/3/2005	19:00:28	30.48	55.459	36.62	89.3	5.48	49	48.47	23.250	8.29	-72.1	117.3	-0.7
9/3/2005	19:30:28	30.46	55.458	36.62	89.9	5.52	49	48.46	23.243	8.30	-72.3	147.7	-0.5
9/3/2005	20:00:28	30.45	55.463	36.62	89.5	5.50	49	48.44	23.229	8.29	-72.1	123.8	-0.3
9/3/2005	20:30:28	30.44	55.461	36.62	89.3	5.48	49	48.42	23.217	8.30	-72.4	171.0	-0.5
9/3/2005	21:00:28	30.44	55.458	36.62	89.9	5.52	49	48.39	23.198	8.30	-72.3	157.9	-0.5
9/3/2005	21:30:28	30.45	55.459	36.62	89.0	5.46	49	48.35	23.173	8.30	-72.4	108.2	-0.6
9/3/2005	22:00:28	30.44	55.462	36.62	88.1	5.41	49	48.30	23.137	8.30	-72.1	48.5	-0.5
9/3/2005	22:30:28	30.45	55.466	36.62	87.3	5.36	49	48.25	23.097	8.29	-72.1	53.5	-0.4
9/3/2005	23:00:27	30.44	55.464	36.62	85.9	5.27	49	48.20	23.066	8.29	-71.8	17.0	-0.4
9/3/2005	23:30:28	30.47	55.461	36.62	82.2	5.04	49	48.18	23.056	8.28	-71.2	13.8	-0.7
9/4/2005	0:00:28	30.46	55.462	36.62	82.8	5.08	49	48.16	23.041	8.28	-71.4	10.0	-0.5
9/4/2005	0:30:28	30.47	55.464	36.62	82.4	5.06	49	48.13	23.014	8.28	-71.3	3.3	-0.8
9/4/2005	1:00:28	30.48	55.458	36.62	80.6	4.94	48	48.12	23.013	8.27	-70.9	2.3	-0.4
9/4/2005	1:30:28	30.51	55.455	36.61	76.4	4.68	48	48.10	22.996	8.26	-70.4	2.2	-0.6
9/4/2005	2:00:28	30.53	55.456	36.61	75.4	4.62	48	48.09	22.989	8.26	-70.1	2.2	-0.5
9/4/2005	2:30:28	30.55	55.452	36.61	74.1	4.54	48	48.12	23.008	8.26	-69.9	2.2	-0.6
9/4/2005	3:00:28	30.55	55.455	36.61	72.5	4.44	48	48.10	22.995	8.25	-69.6	2.2	-0.8
9/4/2005	3:30:28	30.56	55.451	36.61	71.2	4.36	48	48.12	23.013	8.25	-69.3	2.3	-0.7
9/4/2005	4:00:28	30.58	55.442	36.60	70.4	4.31	48	48.15	23.032	8.24	-69.2	2.1	-0.4
9/4/2005	4:30:28	30.59	55.436	36.59	67.4	4.13	47	48.18	23.051	8.24	-68.7	2.2	-0.2
9/4/2005	5:00:28	30.60	55.433	36.59	68.7	4.20	47	48.20	23.070	8.24	-68.8	2.0	-0.5
9/4/2005	5:30:28	30.60	55.435	36.59	65.6	4.02	47	48.27	23.116	8.23	-68.1	2.2	-0.6
9/4/2005	6:00:28	30.69	55.402	36.57	72.5	4.44	48	48.30	23.141	8.26	-70.0	2.0	-0.4
9/4/2005	6:30:28	30.66	55.417	36.58	71.2	4.36	48	48.36	23.178	8.25	-69.3	2.2	-0.5
9/4/2005	7:00:28	30.69	55.404	36.57	75.2	4.60	48	48.37	23.186	8.26	-70.4	2.2	-0.5
9/4/2005	7:30:28	30.67	55.412	36.57	69.4	4.25	47	48.40	23.206	8.24	-69.1	2.2	-0.7
9/4/2005	8:00:28	30.67	55.405	36.57	69.1	4.23	47	48.43	23.229	8.24	-69.2	2.1	-0.6
9/4/2005	8:30:28	30.68	55.412	36.57	69.9	4.28	48	48.44	23.234	8.24	-69.2	2.1	-0.8
9/4/2005	9:00:28	30.68	55.411	36.57	70.3	4.30	48	48.44	23.237	8.24	-69.2	2.1	-0.5
9/4/2005	9:30:28	30.69	55.406	36.57	67.3	4.12	47	48.48	23.258	8.23	-68.6	2.2	-0.8
9/4/2005	10:00:28	30.69	55.401	36.57	67.8	4.15	47	48.48	23.259	8.24	-68.8	2.2	-0.6
9/4/2005	10:30:28	30.69	55.406	36.57	67.4	4.12	47	48.47	23.258	8.24	-68.7	2.1	-0.7
9/4/2005	11:00:28	30.69	55.405	36.57	67.4	4.12	47	48.50	23.273	8.24	-68.7	2.1	-0.6
9/4/2005	11:30:27	30.69	55.391	36.56	68.1	4.16	47	48.50	23.276	8.24	-69.0	2.0	-0.4
9/4/2005	12:00:28	30.69	55.397	36.56	64.9	3.97	47	48.50	23.276	8.23	-68.1	4.4	-0.6
9/4/2005	12:30:28	30.69	55.394	36.56	64.3	3.93	47	48.47	23.254	8.22	-68.0	14.4	-0.5
9/4/2005	13:00:28	30.68	55.392	36.56	67.4	4.12	47	48.50	23.273	8.23	-68.6	30.3	-0.6
9/4/2005	13:30:28	30.66	55.405	36.57	69.7	4.26	48	48.48	23.260	8.24	-68.9	49.7	-0.4
9/4/2005	14:00:28	30.68	55.399	36.56	67.3	4.12	47	48.46	23.251	8.23	-68.3	73.4	-0.5
9/4/2005	14:30:28	30.69	55.392	36.56	67.9	4.15	47	48.50	23.276	8.23	-68.6	95.4	-0.5
9/4/2005	15:00:28	30.65	55.402	36.57	70.2	4.30	48	48.50	23.275	8.24	-68.7	117.2	-0.4
9/4/2005	15:30:28	30.65	55.414	36.58	74.8	4.58	48	48.47	23.255	8.25	-69.7	135.8	-0.5
9/4/2005	16:00:28	30.65	55.417	36.58	78.8	4.82	48	48.48	23.262	8.26	-70.4	157.8	-0.5
9/4/2005	16:30:28	30.64	55.432	36.59	81.7	5.00	49	48.49	23.266	8.27	-70.7	170.0	-0.7
9/4/2005	17:00:28	30.65	55.427	36.59	84.0	5.14	49	48.52	23.291	8.28	-71.5	186.6	-0.5
9/4/2005	17:30:28	30.67	55.429	36.59	84.5	5.17	49	48.53	23.298	8.28	-71.5	189.3	-0.5
9/4/2005	18:00:28	30.68	55.421	36.58	84.0	5.14	49	48.50	23.277	8.27	-71.0	179.6	-0.4
9/4/2005	18:30:28	30.68	55.423	36.58	83.5	5.11	49	48.53	23.298	8.28	-71.1	191.1	-0.6
9/4/2005	19:00:28	30.69	55.420	36.58	82.8	5.07	49	48.50	23.274	8.28	-71.2	184.5	-0.5
9/4/2005	19:30:28	30.70	55.420	36.58	82.2	5.03	49	48.53	23.293	8.27	-70.7	162.9	-0.4
9/4/2005	20:00:28	30.71	55.418	36.58	78.2	4.78	48	48.50	23.278	8.26	-70.1	159.1	-0.5
9/4/2005	20:30:28	30.69	55.422	36.58	77.3	4.73	48	48.47	23.256	8.26	-70.0	136.5	-0.4
9/4/2005	21:00:28	30.67	55.434	36.59	80.7	4.93	48	48.49	23.266	8.26	-70.4	116.6	-0.6
9/4/2005	21:30:28	30.63	55.453	36.61	84.3	5.16	49	48.41	23.211	8.28	-71.3	94.2	-0.6
9/4/2005	22:00:28	30.64	55.444	36.60	82.0	5.02	48	48.45	23.241	8.27	-70.9	74.6	-0.5
9/4/2005	22:30:28	30.64	55.450	36.60	81.1	4.96	49	48.33	23.156	8.27	-70.5	54.2	-0.5
9/4/2005	23:00:27	30.64	55.444	36.60	77.5	4.74	48	48.36	23.181	8.26	-69.8	36.7	-0.5
9/4/2005	23:30:28	30.62	55.445	36.60	78.4	4.80	48	48.32	23.149	8.26	-70.2	21.0	-0.6
9/5/2005	0:00:28	30.61	55.451	36.61	79.1	4.85	48	48.32	23.147	8.27	-70.4	10.2	-0.5
9/5/2005	0:30:28	30.61	55.447	36.60	78.0	4.78	48	48.24	23.093	8.26	-70.3	3.4	-0.5
9/5/2005	1:00:28	30.58	55.459	36.61	79.5	4.87	49	48.29	23.131	8.27	-70.8	2.3	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/5/2005	1:30:28	30.54	55.459	36.61	81.7	5.01	49	48.23	23.086	8.28	-71.5	2.3	-0.4
9/5/2005	2:00:28	30.46	55.471	36.63	84.1	5.16	49	48.22	23.077	8.29	-71.9	2.2	-0.6
9/5/2005	2:30:28	30.45	55.464	36.62	82.8	5.08	49	48.19	23.056	8.29	-71.7	2.4	-0.7
9/5/2005	3:00:28	30.46	55.470	36.63	82.6	5.07	49	48.24	23.090	8.29	-71.7	2.3	-0.7
9/5/2005	3:30:28	30.51	55.470	36.62	79.8	4.89	49	48.27	23.115	8.28	-71.2	2.3	-0.4
9/5/2005	4:00:28	30.55	55.465	36.62	77.8	4.77	48	48.23	23.086	8.27	-70.9	2.2	-0.4
9/5/2005	4:30:28	30.57	55.460	36.61	76.6	4.69	48	48.30	23.138	8.27	-70.6	2.2	-0.7
9/5/2005	5:00:28	30.60	55.456	36.61	76.8	4.70	48	48.30	23.134	8.27	-70.7	2.3	-0.4
9/5/2005	5:30:28	30.60	55.454	36.61	75.3	4.61	48	48.24	23.094	8.26	-70.3	2.3	-0.4
9/5/2005	6:00:28	30.62	55.447	36.60	71.9	4.40	48	48.32	23.148	8.25	-69.6	2.2	-0.5
9/5/2005	6:30:28	30.62	55.442	36.60	71.3	4.37	48	48.38	23.195	8.25	-69.4	2.2	-0.6
9/5/2005	7:00:28	30.60	55.446	36.60	68.9	4.22	47	48.42	23.219	8.24	-68.9	2.2	-0.6
9/5/2005	7:30:28	30.69	55.420	36.58	76.8	4.70	48	48.41	23.211	8.27	-70.8	2.2	-0.7
9/5/2005	8:00:28	30.70	55.415	36.58	79.1	4.84	48	48.44	23.233	8.28	-71.3	2.2	-0.5
9/5/2005	8:30:28	30.70	55.414	36.57	79.9	4.89	49	48.44	23.233	8.28	-71.6	2.3	-0.6
9/5/2005	9:00:28	30.72	55.398	36.56	81.4	4.98	49	48.43	23.229	8.29	-71.8	2.2	-0.5
9/5/2005	9:30:28	30.73	55.387	36.55	82.8	5.06	49	48.48	23.263	8.29	-72.1	2.3	-0.5
9/5/2005	10:00:28	30.71	55.324	36.51	82.4	5.04	49	48.54	23.305	8.30	-72.3	2.3	-0.5
9/5/2005	10:30:28	30.67	55.213	36.43	82.7	5.06	49	48.46	23.251	8.30	-72.6	2.3	-0.7
9/5/2005	11:00:28	30.64	55.229	36.44	83.1	5.09	49	48.52	23.288	8.30	-72.8	2.3	-0.4
9/5/2005	11:30:27	30.64	55.232	36.44	81.2	4.98	49	48.49	23.267	8.30	-72.5	2.1	-0.7
9/5/2005	12:00:28	30.65	55.246	36.45	81.7	5.00	49	48.43	23.232	8.30	-72.5	5.0	-0.5
9/5/2005	12:30:28	30.65	55.293	36.49	82.4	5.05	49	48.41	23.213	8.30	-72.3	18.1	-0.3
9/5/2005	13:00:28	30.66	55.333	36.52	83.7	5.13	49	48.45	23.242	8.30	-72.3	36.3	-0.5
9/5/2005	13:30:28	30.67	55.338	36.52	83.0	5.08	49	48.45	23.244	8.29	-72.0	59.3	-0.5
9/5/2005	14:00:28	30.68	55.340	36.52	83.3	5.10	49	48.42	23.222	8.29	-71.9	92.5	-0.4
9/5/2005	14:30:28	30.70	55.343	36.52	84.9	5.19	49	48.44	23.232	8.29	-72.1	97.1	-0.4
9/5/2005	15:00:28	30.70	55.339	36.52	85.2	5.21	49	48.42	23.223	8.29	-72.0	143.1	-0.4
9/5/2005	15:30:28	30.71	55.320	36.50	86.5	5.29	50	48.40	23.206	8.29	-72.1	178.0	-0.2
9/5/2005	16:00:28	30.72	55.322	36.51	87.3	5.34	49	48.39	23.203	8.29	-72.0	99.5	-0.5
9/5/2005	16:30:28	30.73	55.318	36.50	86.2	5.27	49	48.38	23.192	8.29	-71.9	194.9	-0.5
9/5/2005	17:00:28	30.44	55.424	36.59	85.6	5.25	49	48.44	23.229	8.28	-71.4	191.0	-0.7
9/5/2005	17:30:28	30.34	55.441	36.61	87.8	5.40	49	48.38	23.190	8.30	-72.1	200.5	-0.5
9/5/2005	18:00:28	30.27	55.461	36.63	89.0	5.48	49	48.44	23.231	8.30	-72.1	227.3	-0.5
9/5/2005	18:30:28	30.31	55.451	36.62	90.1	5.54	50	48.46	23.243	8.31	-73.0	206.7	-0.4
9/5/2005	19:00:28	30.32	55.458	36.62	90.3	5.56	49	48.46	23.243	8.31	-72.7	108.2	-0.5
9/5/2005	19:30:28	30.33	55.459	36.62	90.4	5.56	50	48.49	23.265	8.31	-72.7	191.8	-0.3
9/5/2005	20:00:28	30.34	55.461	36.62	91.1	5.60	50	48.49	23.263	8.31	-73.1	156.6	-0.4
9/5/2005	20:30:28	30.35	55.463	36.62	90.6	5.57	50	48.47	23.249	8.31	-73.1	139.9	-0.2
9/5/2005	21:00:28	30.38	55.462	36.62	90.0	5.53	49	48.46	23.247	8.31	-73.2	115.3	-0.3
9/5/2005	21:30:28	30.41	55.462	36.62	89.2	5.48	50	48.52	23.288	8.30	-72.6	96.7	-0.3
9/5/2005	22:00:28	30.44	55.461	36.62	85.6	5.26	49	48.40	23.207	8.29	-71.9	76.4	-0.4
9/5/2005	22:30:28	30.43	55.464	36.62	87.1	5.35	49	48.45	23.237	8.30	-72.3	60.4	-0.4
9/5/2005	23:00:27	30.43	55.465	36.62	84.6	5.19	49	48.34	23.159	8.28	-71.5	39.9	-0.4
9/5/2005	23:30:28	30.44	55.465	36.62	82.4	5.06	49	48.46	23.241	8.28	-71.2	24.1	-0.4
9/6/2005	0:00:28	30.44	55.467	36.62	82.3	5.05	49	48.29	23.131	8.28	-71.2	12.0	-0.4
9/6/2005	0:30:28	30.45	55.468	36.62	80.9	4.97	49	48.36	23.175	8.28	-71.0	3.3	-0.5
9/6/2005	1:00:28	30.46	55.462	36.62	77.9	4.78	48	48.37	23.182	8.27	-70.5	2.2	0.0
9/6/2005	1:30:28	30.47	55.464	36.62	73.7	4.52	48	48.37	23.181	8.25	-69.6	2.2	-0.5
9/6/2005	2:00:28	30.46	55.462	36.62	72.1	4.43	48	48.27	23.117	8.25	-69.3	2.2	0.0
9/6/2005	2:30:28	30.47	55.464	36.62	68.7	4.21	47	48.43	23.226	8.23	-68.5	2.3	0.1
9/6/2005	3:00:28	30.48	55.459	36.62	67.7	4.16	48	48.38	23.190	8.23	-68.4	2.2	-0.2
9/6/2005	3:30:28	30.49	55.456	36.61	67.8	4.16	47	48.27	23.115	8.23	-68.4	2.2	-0.6
9/6/2005	4:00:28	30.48	55.453	36.61	65.7	4.03	47	48.29	23.128	8.22	-68.0	2.2	0.0
9/6/2005	4:30:28	30.49	55.450	36.61	64.5	3.96	47	48.18	23.053	8.22	-67.8	2.0	-0.5
9/6/2005	5:00:28	30.50	55.418	36.59	67.4	4.13	48	48.34	23.167	8.23	-68.5	2.2	0.1
9/6/2005	5:30:28	30.51	55.370	36.55	82.1	5.03	49	48.31	23.147	8.31	-73.0	2.2	-0.4
9/6/2005	6:00:28	30.50	55.396	36.57	82.2	5.04	49	48.40	23.202	8.31	-72.9	2.2	-0.5
9/6/2005	6:30:28	30.48	55.415	36.58	82.6	5.07	49	48.31	23.142	8.31	-73.0	2.1	-0.5
9/6/2005	7:00:28	30.46	55.443	36.61	83.0	5.10	49	48.32	23.146	8.31	-73.1	2.0	-0.4
9/6/2005	7:30:28	30.44	55.458	36.62	82.4	5.06	49	48.38	23.189	8.31	-73.0	2.2	-0.5
9/6/2005	8:00:28	30.44	55.458	36.62	80.7	4.96	49	48.41	23.212	8.30	-72.5	2.1	-0.5
9/6/2005	8:30:28	30.44	55.465	36.62	79.5	4.88	49	48.33	23.155	8.30	-72.3	2.1	-0.4
9/6/2005	9:00:28	30.44	55.456	36.62	75.7	4.65	48	48.44	23.234	8.28	-71.4	2.1	-0.7
9/6/2005	9:30:28	30.44	55.459	36.62	74.4	4.57	48	48.48	23.256	8.28	-71.2	2.0	-0.5
9/6/2005	10:00:28	30.44	55.461	36.62	73.6	4.52	48	48.55	23.306	8.28	-71.0	2.0	0.1
9/6/2005	10:30:28	30.44	55.454	36.61	73.1	4.49	48	48.50	23.273	8.27	-70.9	2.0	-0.5
9/6/2005	11:00:28	30.44	55.357	36.54	69.9	4.29	48	48.49	23.269	8.26	-70.2	2.0	-0.5
9/6/2005	11:30:27	30.44	55.340	36.53	68.5	4.21	47	48.54	23.304	8.26	-69.9	2.0	-0.5
9/6/2005	12:00:28	30.43	55.359	36.54	67.6	4.15	48	48.58	23.332	8.25	-69.8	3.2	-0.5
9/6/2005	12:30:28	30.41	55.342	36.53	72.5	4.45	48	48.24	23.096	8.27	-70.9	4.4	-0.4
9/6/2005	13:00:28	30.35	55.252	36.47	80.6	4.96	49	48.49	23.270	8.30	-72.7	33.9	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/6/2005	13:30:28	30.34	55.225	36.45	82.2	5.06	49	48.29	23.127	8.31	-72.9	19.9	-0.7
9/6/2005	14:00:28	30.36	55.248	36.46	79.7	4.90	48	48.49	23.269	8.29	-72.0	95.6	-0.7
9/6/2005	14:30:28	30.35	55.279	36.49	81.8	5.03	49	48.36	23.176	8.29	-72.0	94.4	-0.5
9/6/2005	15:00:28	30.36	55.287	36.49	84.2	5.18	49	48.42	23.219	8.30	-72.1	174.5	-0.4
9/6/2005	15:30:28	30.36	55.264	36.48	85.3	5.25	49	48.23	23.088	8.30	-72.3	194.3	-0.3
9/6/2005	16:00:28	30.37	55.280	36.49	86.6	5.33	49	48.24	23.092	8.30	-72.5	214.7	-0.5
9/6/2005	16:30:28	30.38	55.253	36.47	89.2	5.49	50	48.22	23.083	8.31	-73.2	224.9	-0.5
9/6/2005	17:00:28	30.37	55.241	36.46	88.1	5.42	50	48.15	23.032	8.30	-72.7	15.9	-0.5
9/6/2005	17:30:28	30.38	55.267	36.48	85.5	5.26	49	48.11	23.009	8.31	-72.8	213.2	-0.5
9/6/2005	18:00:28	30.40	55.225	36.44	89.7	5.52	49	48.32	23.154	8.32	-73.3	279.0	-0.6
9/6/2005	18:30:28	30.39	55.302	36.50	89.9	5.53	50	48.61	23.348	8.31	-73.1	235.5	-0.5
9/6/2005	19:00:28	30.40	55.201	36.43	91.6	5.63	50	48.50	23.276	8.31	-73.1	251.0	-0.4
9/6/2005	19:30:28	30.41	55.323	36.52	90.9	5.58	49	48.29	23.127	8.32	-73.4	183.9	-0.7
9/6/2005	20:00:28	30.41	55.297	36.50	89.6	5.51	49	48.48	23.259	8.31	-72.9	150.1	-0.5
9/6/2005	20:30:28	30.41	55.304	36.50	87.7	5.39	49	48.34	23.164	8.31	-72.9	56.6	-0.4
9/6/2005	21:00:28	30.42	55.321	36.52	87.2	5.36	49	48.49	23.270	8.31	-73.1	177.1	-0.5
9/6/2005	21:30:28	30.40	55.286	36.49	89.1	5.48	49	48.39	23.198	8.32	-73.4	165.9	-0.6
9/6/2005	22:00:28	30.39	55.325	36.52	89.6	5.51	50	48.64	23.371	8.32	-73.4	72.3	-0.6
9/6/2005	22:30:28	30.43	55.350	36.54	89.0	5.47	49	48.42	23.216	8.31	-73.2	79.1	-0.5
9/6/2005	23:00:27	30.45	55.380	36.56	89.0	5.46	49	48.27	23.115	8.32	-73.4	59.6	-0.3
9/6/2005	23:30:28	30.43	55.399	36.57	88.3	5.42	49	48.44	23.229	8.32	-73.3	32.0	-0.6
9/7/2005	0:00:28	30.39	55.412	36.58	86.8	5.33	49	48.54	23.300	8.31	-73.2	14.6	-0.5
9/7/2005	0:30:28	30.34	55.444	36.61	86.2	5.30	49	48.67	23.391	8.32	-73.3	3.1	-0.5
9/7/2005	1:00:28	30.29	55.456	36.62	84.9	5.22	49	48.77	23.459	8.32	-73.4	1.6	-0.4
9/7/2005	1:30:28	30.27	55.450	36.62	84.0	5.17	49	48.64	23.365	8.32	-73.4	1.5	-0.7
9/7/2005	2:00:28	30.26	55.444	36.61	83.5	5.14	49	48.12	23.012	8.32	-73.4	1.6	-0.4
9/7/2005	2:30:28	30.25	55.444	36.61	84.0	5.17	49	48.85	23.513	8.32	-73.6	1.4	-0.6
9/7/2005	3:00:28	30.23	55.447	36.62	83.7	5.16	49	48.56	23.315	8.32	-73.6	1.5	-0.6
9/7/2005	3:30:28	30.22	55.440	36.61	83.2	5.13	49	48.58	23.328	8.32	-73.6	1.5	-0.6
9/7/2005	4:00:28	30.22	55.445	36.62	83.4	5.14	49	48.47	23.250	8.32	-73.7	1.6	-0.6
9/7/2005	4:30:28	30.21	55.453	36.62	84.0	5.18	49	48.40	23.202	8.32	-73.8	1.5	-0.5
9/7/2005	5:00:28	30.21	55.459	36.63	83.8	5.16	49	48.48	23.256	8.32	-73.8	1.5	-0.4
9/7/2005	5:30:28	30.20	55.468	36.63	83.1	5.12	49	48.64	23.364	8.32	-73.7	1.6	-0.4
9/7/2005	6:00:28	30.20	55.467	36.63	82.9	5.11	49	48.41	23.208	8.32	-73.7	1.5	-0.5
9/7/2005	6:30:28	30.19	55.468	36.63	83.1	5.12	49	48.34	23.159	8.32	-73.7	1.4	-0.5
9/7/2005	7:00:28	30.18	55.471	36.64	82.7	5.10	49	48.45	23.236	8.32	-73.6	1.5	-0.6
9/7/2005	7:30:28	30.18	55.473	36.64	82.5	5.09	49	48.44	23.228	8.32	-73.7	1.4	-0.5
9/7/2005	8:00:28	30.17	55.483	36.65	82.5	5.09	49	48.40	23.198	8.32	-73.7	1.5	-0.6
9/7/2005	8:30:28	30.17	55.496	36.65	82.5	5.08	49	48.65	23.375	8.32	-73.8	1.5	-0.7
9/7/2005	9:00:28	30.17	55.511	36.67	82.6	5.09	49	48.63	23.357	8.32	-73.8	1.5	-0.4
9/7/2005	9:30:28	30.17	55.521	36.67	82.2	5.07	49	48.71	23.417	8.32	-73.7	1.5	-0.4
9/7/2005	10:00:28	30.17	55.532	36.68	82.9	5.11	49	48.42	23.211	8.33	-73.9	1.5	-0.7
9/7/2005	10:30:28	30.17	55.542	36.69	81.9	5.05	49	48.39	23.196	8.32	-73.7	1.4	-0.7
9/7/2005	11:00:28	30.17	55.569	36.71	83.1	5.12	49	48.35	23.163	8.33	-74.0	1.4	-0.4
9/7/2005	11:30:27	30.16	55.575	36.71	82.8	5.11	49	48.21	23.067	8.33	-73.9	1.5	-0.7
9/7/2005	12:00:28	30.16	55.582	36.72	82.7	5.09	49	48.24	23.090	8.33	-73.9	3.5	-0.8
9/7/2005	12:30:28	30.16	55.573	36.71	82.4	5.08	49	47.95	22.892	8.32	-73.7	18.6	-0.4
9/7/2005	13:00:28	30.16	55.567	36.71	83.6	5.15	49	48.39	23.192	8.32	-73.7	52.3	-0.6
9/7/2005	13:30:28	30.16	55.562	36.71	85.6	5.28	49	47.88	22.846	8.32	-73.7	55.8	-0.5
9/7/2005	14:00:28	30.15	55.554	36.70	87.7	5.41	49	47.82	22.803	8.33	-74.0	105.1	-0.6
9/7/2005	14:30:28	30.15	55.552	36.70	89.6	5.53	50	47.88	22.843	8.33	-74.2	173.4	-0.5
9/7/2005	15:00:28	30.15	55.548	36.69	91.1	5.61	50	48.20	23.065	8.33	-74.3	178.0	-0.7
9/7/2005	15:30:28	30.14	55.556	36.70	89.6	5.53	50	48.44	23.230	8.32	-73.7	75.6	-0.2
9/7/2005	16:00:28	30.15	55.567	36.71	88.9	5.48	50	48.28	23.121	8.32	-73.7	116.9	-0.5
9/7/2005	16:30:28	30.15	55.569	36.71	88.3	5.44	49	48.28	23.116	8.32	-73.8	84.2	-0.7
9/7/2005	17:00:28	30.14	55.550	36.70	89.9	5.54	49	48.21	23.069	8.33	-74.2	145.7	-0.7
9/7/2005	17:30:28	30.14	55.537	36.69	94.2	5.81	50	48.02	22.938	8.34	-74.5	287.2	-0.5
9/7/2005	18:00:28	30.15	55.545	36.69	95.1	5.86	50	47.99	22.920	8.35	-75.1	272.8	-0.5
9/7/2005	18:30:28	30.15	55.554	36.70	93.6	5.77	50	48.30	23.129	8.33	-74.2	73.3	-0.8
9/7/2005	19:00:28	30.14	55.557	36.70	90.6	5.59	50	48.25	23.094	8.33	-74.1	36.6	-0.4
9/7/2005	19:30:28	30.13	55.564	36.71	87.6	5.40	49	48.29	23.126	8.33	-73.9	23.4	-0.7
9/7/2005	20:00:28	30.13	55.561	36.70	86.9	5.36	49	48.60	23.336	8.33	-73.9	23.9	-0.7
9/7/2005	20:30:28	30.12	55.561	36.71	85.8	5.29	49	48.39	23.196	8.33	-73.9	18.2	-0.5
9/7/2005	21:00:28	30.10	55.560	36.71	85.9	5.30	49	48.53	23.292	8.33	-73.9	37.7	-0.6
9/7/2005	21:30:28	30.09	55.551	36.70	87.9	5.42	49	48.39	23.190	8.33	-74.3	68.9	-0.7
9/7/2005	22:00:28	30.07	55.547	36.70	90.0	5.55	49	48.31	23.136	8.33	-74.3	77.4	-0.7
9/7/2005	22:30:28	30.07	55.555	36.70	89.9	5.55	50	48.66	23.376	8.33	-74.2	63.9	-0.5
9/7/2005	23:00:27	30.08	55.567	36.71	88.9	5.49	49	48.74	23.432	8.33	-74.0	39.0	-0.4
9/7/2005	23:30:28	30.08	55.575	36.72	87.7	5.41	49	48.43	23.223	8.33	-74.1	22.2	-0.7
9/8/2005	0:00:28	30.08	55.578	36.72	86.1	5.31	49	48.49	23.261	8.33	-74.0	11.6	-0.8
9/8/2005	0:30:28	30.08	55.572	36.72	84.3	5.21	49	48.36	23.170	8.33	-73.9	2.6	-0.7
9/8/2005	1:00:28	30.05	55.559	36.71	83.5	5.16	49	48.47	23.247	8.33	-74.0	1.5	-0.7

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/8/2005	1:30:28	30.04	55.549	36.70	82.9	5.12	49	48.44	23.229	8.33	-73.9	1.5	-0.5
9/8/2005	2:00:28	30.04	55.538	36.69	82.5	5.09	49	48.68	23.395	8.33	-74.0	1.6	-0.7
9/8/2005	2:30:28	30.04	55.529	36.68	82.0	5.07	49	48.51	23.278	8.33	-74.0	1.5	-0.4
9/8/2005	3:00:28	30.03	55.518	36.68	82.4	5.09	49	48.46	23.243	8.33	-74.1	1.6	-0.5
9/8/2005	3:30:28	30.02	55.515	36.67	82.0	5.06	49	48.51	23.274	8.33	-74.0	1.5	-0.5
9/8/2005	4:00:28	30.01	55.506	36.67	81.9	5.06	49	48.61	23.341	8.33	-74.0	1.6	-0.5
9/8/2005	4:30:28	30.00	55.506	36.67	81.7	5.05	49	48.58	23.326	8.33	-74.0	1.5	-0.5
9/8/2005	5:00:28	30.00	55.502	36.67	81.6	5.05	49	48.34	23.158	8.33	-74.1	1.5	-0.6
9/8/2005	5:30:28	30.00	55.499	36.66	81.5	5.04	49	48.18	23.046	8.33	-74.0	1.6	-0.5
9/8/2005	6:00:28	30.00	55.492	36.66	81.0	5.01	49	48.62	23.353	8.33	-74.0	1.5	-0.5
9/8/2005	6:30:28	29.99	55.492	36.66	80.9	5.00	49	48.30	23.128	8.33	-73.9	1.6	-0.7
9/8/2005	7:00:28	29.99	55.493	36.66	81.3	5.03	49	48.53	23.289	8.33	-74.1	1.5	-0.5
9/8/2005	7:30:28	30.00	55.490	36.66	81.4	5.03	49	48.50	23.270	8.33	-74.2	1.5	-0.5
9/8/2005	8:00:28	30.00	55.485	36.65	81.2	5.02	49	48.49	23.261	8.33	-74.0	1.6	-0.7
9/8/2005	8:30:28	30.00	55.481	36.65	80.9	5.00	49	48.42	23.212	8.33	-74.0	1.5	-0.8
9/8/2005	9:00:28	29.99	55.480	36.65	81.0	5.01	49	48.58	23.326	8.33	-74.0	1.5	-0.5
9/8/2005	9:30:28	29.99	55.476	36.65	81.1	5.01	49	48.41	23.209	8.33	-74.0	1.5	-0.7
9/8/2005	10:00:28	29.98	55.472	36.64	81.3	5.02	49	48.21	23.066	8.33	-74.2	1.6	-0.6
9/8/2005	10:30:28	29.97	55.470	36.64	81.7	5.05	49	48.37	23.176	8.33	-74.2	1.6	-0.5
9/8/2005	11:00:28	29.97	55.468	36.64	81.0	5.01	49	48.19	23.054	8.33	-74.2	1.5	-0.7
9/8/2005	11:30:27	29.96	55.462	36.64	81.4	5.03	49	48.24	23.092	8.33	-74.2	1.6	-0.5
9/8/2005	12:00:28	29.96	55.468	36.64	81.1	5.02	49	48.63	23.357	8.33	-74.2	2.0	-0.6
9/8/2005	12:30:28	29.95	55.462	36.64	81.4	5.03	49	48.30	23.133	8.33	-74.2	5.8	-0.6
9/8/2005	13:00:28	29.94	55.463	36.64	81.6	5.05	49	48.35	23.163	8.33	-74.1	17.0	-0.7
9/8/2005	13:30:28	29.94	55.458	36.63	82.7	5.12	49	48.41	23.207	8.33	-74.2	46.0	-0.7
9/8/2005	14:00:28	29.94	55.457	36.63	85.7	5.30	49	48.24	23.088	8.34	-74.8	122.5	-0.7
9/8/2005	14:30:28	29.94	55.453	36.63	89.6	5.55	50	48.24	23.089	8.34	-75.0	179.8	-0.5
9/8/2005	15:00:28	29.95	55.459	36.64	92.1	5.70	50	48.10	22.992	8.35	-75.1	157.6	-0.8
9/8/2005	15:30:28	29.95	55.460	36.64	92.7	5.73	50	47.90	22.856	8.34	-74.9	187.8	-0.7
9/8/2005	16:00:28	29.96	55.460	36.64	92.0	5.69	49	48.05	22.956	8.35	-75.1	107.1	-0.5
9/8/2005	16:30:28	29.96	55.469	36.64	94.2	5.82	50	47.85	22.819	8.34	-74.5	102.1	-0.5
9/8/2005	17:00:28	29.95	55.471	36.64	90.9	5.63	49	48.30	23.132	8.34	-74.6	104.2	-0.4
9/8/2005	17:30:28	29.94	55.469	36.64	93.1	5.76	50	48.06	22.963	8.35	-75.1	181.7	-0.5
9/8/2005	18:00:28	29.94	55.477	36.65	94.1	5.82	50	48.09	22.986	8.35	-75.4	219.0	-0.7
9/8/2005	18:30:28	29.94	55.484	36.65	93.9	5.81	50	48.16	23.034	8.35	-75.0	135.3	-0.4
9/8/2005	19:00:28	29.95	55.485	36.65	91.4	5.65	49	48.03	22.947	8.34	-74.6	76.8	-0.4
9/8/2005	19:30:28	29.95	55.487	36.66	90.6	5.61	50	48.24	23.092	8.34	-74.6	72.1	-0.6
9/8/2005	20:00:28	29.94	55.486	36.66	90.1	5.57	49	48.26	23.104	8.35	-75.0	85.9	-0.7
9/8/2005	20:30:28	29.94	55.486	36.66	91.0	5.63	50	48.32	23.143	8.35	-75.0	99.8	-0.6
9/8/2005	21:00:28	29.93	55.490	36.66	91.0	5.63	50	48.27	23.107	8.34	-74.9	87.2	-0.5
9/8/2005	21:30:28	29.93	55.487	36.66	90.4	5.59	49	48.27	23.109	8.35	-75.0	75.3	-0.5
9/8/2005	22:00:28	29.89	55.509	36.68	88.8	5.50	49	48.21	23.068	8.34	-74.4	46.0	-0.5
9/8/2005	22:30:28	29.89	55.538	36.70	87.9	5.44	49	48.49	23.258	8.33	-74.3	44.3	-0.4
9/8/2005	23:00:27	29.90	55.567	36.72	87.0	5.38	49	48.41	23.206	8.33	-74.3	35.5	-0.5
9/8/2005	23:30:28	29.89	55.575	36.72	86.5	5.35	49	48.23	23.083	8.33	-74.3	31.2	-0.7
9/9/2005	0:00:28	29.86	55.574	36.72	84.9	5.26	49	48.37	23.175	8.33	-74.1	11.2	-0.5
9/9/2005	0:30:28	29.84	55.577	36.73	83.4	5.17	49	48.58	23.321	8.33	-74.0	2.0	-0.7
9/9/2005	1:00:28	29.82	55.588	36.74	82.7	5.12	49	48.47	23.242	8.33	-74.0	1.6	-0.5
9/9/2005	1:30:28	29.80	55.589	36.74	81.6	5.06	49	48.52	23.279	8.33	-73.8	1.6	-0.4
9/9/2005	2:00:28	29.79	55.582	36.73	80.4	4.98	49	48.55	23.299	8.32	-73.6	1.5	-0.5
9/9/2005	2:30:28	29.81	55.588	36.74	80.0	4.96	48	48.61	23.341	8.32	-73.7	1.5	-0.6
9/9/2005	3:00:28	29.82	55.590	36.74	80.0	4.96	49	48.70	23.402	8.33	-73.9	1.6	-0.5
9/9/2005	3:30:28	29.84	55.585	36.73	79.9	4.95	49	48.65	23.368	8.33	-73.8	1.5	-0.5
9/9/2005	4:00:28	29.83	55.579	36.73	79.8	4.94	49	48.43	23.220	8.33	-73.7	1.5	-0.7
9/9/2005	4:30:28	29.78	55.578	36.73	79.9	4.96	49	48.65	23.371	8.32	-73.6	1.6	-0.5
9/9/2005	5:00:28	29.74	55.609	36.75	80.6	5.00	49	48.72	23.416	8.33	-73.9	1.5	-0.7
9/9/2005	5:30:28	29.72	55.628	36.77	80.6	5.00	49	48.61	23.343	8.33	-73.8	1.5	-0.5
9/9/2005	6:00:28	29.73	55.642	36.78	80.2	4.98	49	48.75	23.438	8.33	-73.9	1.5	-0.5
9/9/2005	6:30:28	29.74	55.645	36.78	80.0	4.96	48	48.72	23.416	8.33	-73.9	1.6	-0.7
9/9/2005	7:00:28	29.75	55.651	36.79	79.6	4.94	49	48.48	23.252	8.33	-73.8	1.5	-0.4
9/9/2005	7:30:28	29.74	55.654	36.79	79.3	4.91	48	48.51	23.271	8.32	-73.7	1.5	-0.4
9/9/2005	8:00:28	29.75	55.651	36.79	79.6	4.94	49	48.58	23.316	8.33	-73.7	1.6	-0.7
9/9/2005	8:30:28	29.77	55.651	36.79	79.6	4.93	48	48.71	23.407	8.33	-73.9	1.6	-0.4
9/9/2005	9:00:28	29.78	55.655	36.79	80.2	4.97	49	48.54	23.290	8.33	-74.1	1.5	-0.7
9/9/2005	9:30:28	29.77	55.657	36.79	79.7	4.94	48	48.41	23.203	8.33	-74.0	1.6	-0.4
9/9/2005	10:00:28	29.75	55.657	36.79	80.0	4.96	49	48.62	23.347	8.33	-74.0	1.4	-0.5
9/9/2005	10:30:28	29.74	55.662	36.79	79.4	4.92	48	48.62	23.349	8.33	-73.9	1.5	-0.6
9/9/2005	11:00:28	29.74	55.661	36.79	79.8	4.95	48	48.49	23.260	8.33	-73.9	1.6	-0.4
9/9/2005	11:30:27	29.74	55.654	36.79	80.1	4.97	49	48.57	23.315	8.33	-74.0	1.6	-0.4
9/9/2005	12:00:28	29.74	55.657	36.79	79.6	4.94	48	48.31	23.131	8.33	-74.0	2.8	-0.7
9/9/2005	12:30:28	29.74	55.652	36.79	80.1	4.97	49	48.35	23.159	8.33	-74.0	13.1	-0.7
9/9/2005	13:00:28	29.67	55.640	36.78	83.0	5.15	49	48.07	22.966	8.33	-74.2	37.1	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/9/2005	13:30:28	29.62	55.627	36.77	85.8	5.33	49	48.13	23.012	8.34	-74.4	59.3	-0.5
9/9/2005	14:00:28	29.58	55.604	36.76	87.6	5.45	49	48.26	23.099	8.35	-75.1	90.8	-0.6
9/9/2005	14:30:28	29.59	55.608	36.76	88.5	5.50	49	48.16	23.032	8.34	-74.7	75.7	-0.5
9/9/2005	15:00:28	29.60	55.595	36.75	93.0	5.78	50	48.07	22.971	8.37	-76.4	217.8	-0.8
9/9/2005	15:30:28	29.62	55.579	36.74	96.5	6.00	50	48.08	22.978	8.39	-77.6	262.5	-0.7
9/9/2005	16:00:28	29.61	55.561	36.72	98.1	6.10	50	48.17	23.035	8.38	-77.0	318.4	-0.5
9/9/2005	16:30:28	29.60	55.564	36.73	95.2	5.92	50	48.00	22.917	8.35	-75.1	123.5	-0.8
9/9/2005	17:00:28	29.64	55.555	36.72	94.1	5.84	50	48.02	22.933	8.36	-75.7	114.4	-0.5
9/9/2005	17:30:28	29.77	55.508	36.68	91.0	5.65	49	47.98	22.908	8.34	-74.5	39.5	-0.5
9/9/2005	18:00:28	29.81	55.512	36.68	87.9	5.45	49	47.99	22.917	8.34	-74.8	60.6	-0.4
9/9/2005	18:30:28	29.82	55.504	36.67	88.7	5.50	49	48.17	23.042	8.34	-74.6	76.8	-0.6
9/9/2005	19:00:28	29.82	55.502	36.67	90.7	5.62	49	47.95	22.887	8.34	-74.9	115.9	-0.7
9/9/2005	19:30:28	29.80	55.529	36.69	88.6	5.49	49	48.10	22.990	8.33	-74.2	23.4	-0.4
9/9/2005	20:00:28	29.80	55.535	36.70	85.4	5.29	49	48.11	22.997	8.33	-74.2	30.6	-0.6
9/9/2005	20:30:28	29.78	55.544	36.70	85.7	5.31	49	48.10	22.993	8.34	-74.3	49.7	-0.4
9/9/2005	21:00:28	29.79	55.546	36.71	85.9	5.33	49	48.10	22.987	8.34	-74.4	50.6	-0.4
9/9/2005	21:30:28	29.76	55.549	36.71	85.8	5.32	49	48.14	23.019	8.34	-74.3	49.5	-0.6
9/9/2005	22:00:28	29.73	55.546	36.71	85.7	5.32	49	48.28	23.114	8.34	-74.3	44.4	-0.5
9/9/2005	22:30:28	29.69	55.590	36.74	85.1	5.28	49	48.26	23.096	8.33	-73.9	37.8	-0.5
9/9/2005	23:00:27	29.68	55.591	36.74	84.5	5.25	49	48.41	23.203	8.33	-73.9	35.6	-0.5
9/9/2005	23:30:28	29.70	55.610	36.76	82.9	5.14	49	48.40	23.194	8.32	-73.7	21.4	-0.6
9/10/2005	0:00:28	29.68	55.607	36.76	81.5	5.06	49	48.43	23.214	8.32	-73.5	7.6	-0.5
9/10/2005	0:30:28	29.67	55.618	36.76	80.0	4.97	48	48.56	23.308	8.32	-73.6	2.2	-0.7
9/10/2005	1:00:28	29.68	55.609	36.76	79.1	4.91	48	48.56	23.303	8.32	-73.6	1.6	-0.5
9/10/2005	1:30:28	29.70	55.610	36.76	78.8	4.89	48	48.66	23.375	8.32	-73.7	1.5	-0.5
9/10/2005	2:00:28	29.71	55.603	36.75	79.0	4.90	48	48.50	23.266	8.33	-73.9	1.8	-0.7
9/10/2005	2:30:28	29.71	55.576	36.73	79.3	4.92	48	48.68	23.388	8.33	-74.0	1.7	-0.5
9/10/2005	3:00:28	29.72	55.592	36.74	79.4	4.93	48	48.60	23.333	8.33	-74.1	1.6	-0.6
9/10/2005	3:30:28	29.72	55.598	36.75	79.0	4.90	48	48.64	23.363	8.33	-74.0	1.7	-0.6
9/10/2005	4:00:28	29.70	55.591	36.74	80.0	4.96	49	48.57	23.315	8.34	-74.3	1.7	-0.7
9/10/2005	4:30:28	29.68	55.575	36.73	79.8	4.95	49	48.56	23.306	8.33	-74.2	1.6	-0.8
9/10/2005	5:00:28	29.68	55.568	36.73	80.0	4.97	48	48.56	23.307	8.34	-74.3	1.5	-0.7
9/10/2005	5:30:28	29.68	55.573	36.73	79.8	4.95	49	48.73	23.421	8.33	-74.2	1.7	-0.4
9/10/2005	6:00:28	29.67	55.573	36.73	80.0	4.97	49	48.62	23.348	8.34	-74.3	1.8	-0.5
9/10/2005	6:30:28	29.67	55.584	36.74	80.3	4.99	48	48.58	23.323	8.34	-74.3	1.6	-0.4
9/10/2005	7:00:28	29.66	55.593	36.75	80.0	4.97	49	48.66	23.374	8.34	-74.3	1.6	-0.5
9/10/2005	7:30:28	29.67	55.598	36.75	79.7	4.95	48	48.68	23.386	8.33	-74.2	1.7	-0.5
9/10/2005	8:00:28	29.67	55.604	36.75	79.8	4.96	48	48.55	23.296	8.33	-74.2	1.7	-0.6
9/10/2005	8:30:28	29.65	55.605	36.75	80.1	4.98	48	48.71	23.409	8.33	-74.2	1.7	-0.3
9/10/2005	9:00:28	29.66	55.606	36.76	79.7	4.95	49	48.55	23.296	8.33	-74.2	1.7	-0.3
9/10/2005	9:30:28	29.67	55.602	36.75	79.9	4.96	48	48.58	23.318	8.33	-74.2	1.7	-0.5
9/10/2005	10:00:28	29.67	55.612	36.76	79.6	4.94	49	48.57	23.312	8.33	-74.2	1.7	-0.5
9/10/2005	10:30:28	29.67	55.608	36.76	80.0	4.97	48	48.45	23.229	8.34	-74.4	1.6	-0.6
9/10/2005	11:00:28	29.66	55.601	36.75	80.1	4.97	48	48.55	23.299	8.34	-74.3	1.7	-0.6
9/10/2005	11:30:27	29.65	55.602	36.75	79.7	4.95	48	48.46	23.233	8.33	-74.2	1.7	-0.6
9/10/2005	12:00:28	29.60	55.598	36.75	80.0	4.98	49	48.38	23.182	8.33	-74.2	2.5	-0.7
9/10/2005	12:30:28	29.55	55.603	36.76	80.7	5.02	49	48.44	23.220	8.34	-74.3	12.2	-0.7
9/10/2005	13:00:28	29.52	55.602	36.76	81.3	5.06	49	48.39	23.190	8.34	-74.3	16.0	-0.8
9/10/2005	13:30:28	29.51	55.468	36.66	81.8	5.09	49	48.27	23.107	8.34	-74.3	17.9	-0.6
9/10/2005	14:00:28	29.46	55.494	36.68	82.0	5.11	49	48.25	23.090	8.34	-74.2	12.7	-0.5
9/10/2005	14:30:28	29.44	55.588	36.75	81.4	5.07	49	48.12	23.001	8.34	-74.2	5.5	-0.2
9/10/2005	15:00:28	29.49	55.584	36.75	80.6	5.02	48	48.20	23.057	8.33	-74.2	7.0	-0.7
9/10/2005	15:30:28	29.56	55.570	36.73	80.6	5.02	49	48.07	22.968	8.34	-74.3	25.3	-0.2
9/10/2005	16:00:28	29.62	55.556	36.72	83.1	5.17	49	48.03	22.943	8.34	-74.8	41.7	-0.6
9/10/2005	16:30:28	29.63	55.561	36.72	87.7	5.45	49	48.08	22.976	8.35	-75.3	101.4	-0.4
9/10/2005	17:00:28	29.68	55.543	36.71	95.4	5.92	50	47.99	22.913	8.39	-77.4	206.5	-0.3
9/10/2005	17:30:28	29.74	55.518	36.69	99.6	6.18	50	47.93	22.872	8.39	-77.3	261.5	-0.5
9/10/2005	18:00:28	29.73	55.510	36.68	92.7	5.75	50	47.89	22.849	8.35	-75.0	101.4	-0.7
9/10/2005	18:30:28	29.74	55.481	36.66	94.6	5.87	50	47.96	22.896	8.36	-75.6	112.8	-0.5
9/10/2005	19:00:28	29.75	55.454	36.64	92.8	5.76	50	47.93	22.878	8.35	-75.4	136.3	-0.5
9/10/2005	19:30:28	29.74	55.448	36.63	92.9	5.77	49	47.95	22.888	8.36	-75.9	112.7	-0.5
9/10/2005	20:00:28	29.73	55.451	36.64	92.5	5.74	50	47.87	22.833	8.36	-75.6	130.1	-0.5
9/10/2005	20:30:28	29.73	55.447	36.63	97.9	6.08	50	47.96	22.898	8.40	-77.8	164.2	-0.4
9/10/2005	21:00:28	29.71	55.457	36.64	92.4	5.74	49	48.01	22.928	8.35	-75.3	117.5	-0.4
9/10/2005	21:30:28	29.72	55.449	36.64	92.8	5.76	49	47.96	22.895	8.36	-75.5	158.3	-0.6
9/10/2005	22:00:28	29.72	55.462	36.65	92.8	5.76	50	48.01	22.928	8.36	-75.7	107.4	-0.4
9/10/2005	22:30:28	29.70	55.480	36.66	89.0	5.53	49	48.12	23.005	8.34	-74.7	52.9	-0.6
9/10/2005	23:00:27	29.66	55.512	36.69	86.2	5.36	49	48.13	23.012	8.34	-74.3	36.0	-0.4
9/10/2005	23:30:28	29.59	55.558	36.72	84.4	5.25	49	48.26	23.100	8.33	-74.1	21.8	-0.4
9/11/2005	0:00:28	29.61	55.568	36.73	82.0	5.10	49	48.32	23.139	8.33	-74.0	8.3	-0.2
9/11/2005	0:30:28	29.62	55.575	36.73	80.9	5.03	48	48.38	23.178	8.33	-74.0	2.2	-0.6
9/11/2005	1:00:28	29.62	55.567	36.73	80.3	4.99	48	48.47	23.243	8.33	-74.2	1.7	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/11/2005	1:30:28	29.60	55.570	36.73	80.6	5.01	49	48.46	23.240	8.34	-74.3	1.6	-0.3
9/11/2005	2:00:28	29.59	55.570	36.73	80.1	4.98	49	48.61	23.342	8.33	-74.2	1.7	-0.7
9/11/2005	2:30:28	29.59	55.570	36.73	79.8	4.96	48	48.63	23.356	8.33	-74.2	1.7	-0.5
9/11/2005	3:00:28	29.60	55.568	36.73	79.3	4.93	48	48.62	23.347	8.33	-74.1	1.8	-0.7
9/11/2005	3:30:28	29.60	55.570	36.73	79.3	4.93	48	48.63	23.351	8.33	-74.2	1.6	-0.4
9/11/2005	4:00:28	29.62	55.568	36.73	79.1	4.92	48	48.71	23.411	8.33	-74.1	1.7	-0.5
9/11/2005	4:30:28	29.64	55.562	36.72	79.1	4.92	48	48.73	23.421	8.33	-74.2	1.7	-0.4
9/11/2005	5:00:28	29.63	55.563	36.72	79.1	4.91	48	48.70	23.405	8.33	-74.2	1.7	-0.4
9/11/2005	5:30:28	29.63	55.560	36.72	79.2	4.92	48	48.77	23.448	8.33	-74.2	1.8	-0.5
9/11/2005	6:00:28	29.63	55.570	36.73	79.1	4.92	48	48.77	23.449	8.33	-74.2	1.8	-0.4
9/11/2005	6:30:28	29.58	55.573	36.73	79.2	4.93	48	48.78	23.458	8.33	-74.0	1.7	-0.5
9/11/2005	7:00:28	29.53	55.575	36.74	79.2	4.93	49	48.75	23.437	8.33	-73.9	1.6	-0.4
9/11/2005	7:30:28	29.54	55.576	36.74	78.8	4.91	48	48.76	23.444	8.33	-74.0	1.8	-0.5
9/11/2005	8:00:28	29.56	55.571	36.73	78.8	4.90	48	48.71	23.409	8.33	-74.0	1.8	-0.5
9/11/2005	8:30:28	29.57	55.571	36.73	78.9	4.91	48	48.72	23.414	8.33	-74.0	1.8	-0.8
9/11/2005	9:00:28	29.59	55.565	36.73	79.1	4.92	48	48.65	23.368	8.33	-74.0	1.9	-0.5
9/11/2005	9:30:28	29.60	55.571	36.73	78.9	4.91	49	48.69	23.396	8.33	-74.2	1.8	-0.2
9/11/2005	10:00:28	29.57	55.569	36.73	79.2	4.93	48	48.71	23.407	8.33	-74.2	1.8	-0.2
9/11/2005	10:30:28	29.54	55.572	36.73	79.2	4.93	49	48.61	23.341	8.33	-74.0	1.9	-0.4
9/11/2005	11:00:28	29.56	55.580	36.74	79.0	4.91	48	48.61	23.337	8.33	-74.1	1.8	-0.5
9/11/2005	11:30:27	29.58	55.581	36.74	79.8	4.96	48	48.51	23.270	8.34	-74.3	1.8	-0.4
9/11/2005	12:00:28	29.58	55.582	36.74	79.5	4.94	48	48.49	23.254	8.33	-74.2	4.1	-0.7
9/11/2005	12:30:28	29.60	55.520	36.69	80.0	4.98	48	48.49	23.258	8.33	-74.2	14.9	-0.5
9/11/2005	13:00:28	29.61	55.572	36.73	80.4	5.00	48	48.45	23.228	8.33	-74.2	24.2	-0.2
9/11/2005	13:30:28	29.66	55.563	36.72	80.1	4.98	48	48.33	23.147	8.33	-74.2	12.4	-0.5
9/11/2005	14:00:28	29.68	55.557	36.72	81.2	5.04	49	48.33	23.147	8.34	-74.6	46.5	-0.5
9/11/2005	14:30:28	29.68	55.562	36.72	81.7	5.08	49	48.32	23.139	8.34	-74.3	35.8	-0.3
9/11/2005	15:00:28	29.67	55.556	36.72	82.0	5.10	49	48.19	23.051	8.34	-74.4	42.7	-0.5
9/11/2005	15:30:28	29.68	55.556	36.72	84.5	5.25	49	48.14	23.021	8.35	-74.9	78.6	-0.3
9/11/2005	16:00:28	29.69	55.564	36.72	84.7	5.26	49	48.14	23.018	8.35	-74.9	80.2	-0.5
9/11/2005	16:30:28	29.68	55.543	36.71	84.8	5.26	49	48.06	22.960	8.34	-74.8	54.7	-0.5
9/11/2005	17:00:28	29.69	55.536	36.70	87.4	5.43	49	47.98	22.907	8.36	-75.6	148.8	-0.5
9/11/2005	17:30:28	29.68	55.541	36.71	85.9	5.34	49	47.93	22.874	8.34	-74.6	81.0	-0.7
9/11/2005	18:00:28	29.68	55.527	36.70	85.2	5.29	49	47.90	22.851	8.34	-74.8	57.7	-0.2
9/11/2005	18:30:28	29.67	55.513	36.69	83.5	5.18	49	47.83	22.807	8.34	-74.8	62.2	-0.7
9/11/2005	19:00:28	29.66	55.476	36.66	89.5	5.56	49	47.90	22.852	8.36	-75.7	136.2	-0.4
9/11/2005	19:30:28	29.60	55.451	36.64	84.7	5.27	49	47.84	22.812	8.34	-74.3	30.2	-0.3
9/11/2005	20:00:28	29.58	55.445	36.64	83.5	5.20	49	47.83	22.807	8.33	-74.2	29.8	-0.2
9/11/2005	20:30:28	29.55	55.431	36.63	87.7	5.46	49	47.87	22.834	8.35	-75.1	116.9	-0.2
9/11/2005	21:00:28	29.52	55.424	36.62	85.3	5.32	49	47.88	22.840	8.34	-74.5	75.7	-0.5
9/11/2005	21:30:28	29.52	55.408	36.61	86.1	5.36	49	47.86	22.822	8.34	-74.6	72.4	-0.5
9/11/2005	22:00:28	29.53	55.428	36.63	85.0	5.29	49	47.96	22.895	8.34	-74.5	47.9	-0.6
9/11/2005	22:30:28	29.54	55.456	36.65	83.6	5.21	49	47.92	22.865	8.34	-74.2	27.7	-0.1
9/11/2005	23:00:27	29.56	55.506	36.68	82.8	5.15	49	47.98	22.910	8.33	-74.2	36.9	-0.3
9/11/2005	23:30:28	29.57	55.547	36.71	82.3	5.12	48	48.04	22.945	8.33	-74.2	29.6	-0.4
9/12/2005	0:00:28	29.60	55.578	36.74	81.2	5.05	49	48.14	23.018	8.33	-74.0	9.9	-0.4
9/12/2005	0:30:28	29.61	55.589	36.74	79.7	4.95	48	48.26	23.096	8.33	-74.1	2.6	-0.2
9/12/2005	1:00:28	29.60	55.584	36.74	79.7	4.95	48	48.31	23.133	8.33	-74.1	2.0	-0.6
9/12/2005	1:30:28	29.57	55.578	36.74	79.2	4.93	48	48.37	23.175	8.33	-74.1	2.1	-0.5
9/12/2005	2:00:28	29.56	55.570	36.73	78.4	4.88	48	48.45	23.228	8.33	-74.0	2.1	-0.5
9/12/2005	2:30:28	29.51	55.524	36.70	78.8	4.91	48	48.49	23.255	8.33	-74.0	2.1	-0.2
9/12/2005	3:00:28	29.52	55.522	36.70	79.0	4.92	48	48.57	23.313	8.33	-74.2	1.9	-0.3
9/12/2005	3:30:28	29.55	55.527	36.70	79.0	4.92	48	48.62	23.344	8.34	-74.3	2.0	-0.5
9/12/2005	4:00:28	29.57	55.526	36.70	79.0	4.91	48	48.65	23.369	8.34	-74.4	2.1	-0.3
9/12/2005	4:30:28	29.61	55.550	36.72	79.3	4.93	48	48.71	23.411	8.34	-74.4	2.1	-0.5
9/12/2005	5:00:28	29.60	55.562	36.72	78.8	4.90	48	48.74	23.431	8.33	-74.3	2.0	-0.5
9/12/2005	5:30:28	29.59	55.561	36.72	78.8	4.90	48	48.69	23.398	8.33	-74.3	2.0	-0.8
9/12/2005	6:00:28	29.60	55.565	36.73	78.5	4.88	48	48.70	23.403	8.33	-74.2	2.0	-0.4
9/12/2005	6:30:28	29.63	55.568	36.73	78.5	4.88	48	48.81	23.479	8.33	-74.2	1.9	-0.2
9/12/2005	7:00:28	29.64	55.563	36.72	78.7	4.89	48	48.79	23.461	8.33	-74.3	2.1	-0.3
9/12/2005	7:30:28	29.63	55.571	36.73	78.5	4.88	48	48.74	23.429	8.33	-74.2	2.0	-0.4
9/12/2005	8:00:28	29.58	55.578	36.74	79.0	4.91	48	48.58	23.320	8.33	-74.2	2.1	0.9
9/12/2005	8:30:28	29.54	55.570	36.73	78.5	4.88	48	48.75	23.434	8.33	-74.0	2.0	-0.4
9/12/2005	9:00:28	29.46	55.566	36.73	79.1	4.93	49	48.70	23.402	8.33	-74.0	2.1	-0.2
9/12/2005	9:30:28	29.50	55.570	36.73	78.8	4.90	48	48.74	23.431	8.33	-74.1	2.0	-0.5
9/12/2005	10:00:28	29.53	55.570	36.73	79.2	4.93	48	48.63	23.356	8.33	-74.2	2.0	-0.7
9/12/2005	10:30:28	29.40	55.564	36.73	79.5	4.96	48	48.82	23.480	8.33	-74.2	2.1	-0.4
9/12/2005	11:00:28	29.35	55.559	36.73	79.9	4.99	48	48.59	23.323	8.33	-74.0	2.0	-0.7
9/12/2005	11:30:27	29.36	55.572	36.74	79.4	4.96	48	48.49	23.257	8.33	-74.0	2.0	-0.6
9/12/2005	12:00:28	29.49	55.583	36.74	78.9	4.92	48	48.56	23.304	8.34	-74.3	4.1	-0.3
9/12/2005	12:30:28	29.47	55.594	36.75	80.3	5.00	49	48.51	23.269	8.34	-74.3	16.7	-0.5
9/12/2005	13:00:28	29.44	55.590	36.75	80.9	5.05	48	48.53	23.285	8.34	-74.3	28.1	-0.2

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/12/2005	13:30:28	29.44	55.581	36.74	82.2	5.12	49	48.46	23.233	8.34	-74.3	66.2	-0.5
9/12/2005	14:00:28	29.43	55.557	36.73	83.1	5.18	49	48.49	23.256	8.34	-74.8	87.8	-0.5
9/12/2005	14:30:28	29.47	55.543	36.72	83.8	5.22	49	48.44	23.223	8.35	-75.1	118.0	-0.5
9/12/2005	15:00:28	29.51	55.548	36.72	84.6	5.27	49	48.24	23.086	8.35	-75.1	149.5	-0.5
9/12/2005	15:30:28	29.56	55.533	36.70	85.5	5.32	49	48.18	23.044	8.35	-75.1	166.1	-0.7
9/12/2005	16:00:28	29.62	55.511	36.69	85.9	5.34	49	48.25	23.094	8.35	-74.9	183.5	-0.7
9/12/2005	16:30:28	29.66	55.500	36.68	86.9	5.40	49	48.17	23.036	8.34	-74.8	169.0	-0.5
9/12/2005	17:00:28	29.72	55.478	36.66	86.5	5.37	49	48.08	22.977	8.35	-75.3	224.1	-0.6
9/12/2005	17:30:28	29.73	55.483	36.66	86.1	5.35	49	48.17	23.038	8.34	-74.5	211.4	0.0
9/12/2005	18:00:28	29.73	55.484	36.66	86.2	5.35	49	48.15	23.028	8.33	-74.3	158.4	-0.5
9/12/2005	18:30:28	29.77	55.476	36.65	86.8	5.39	49	47.98	22.909	8.35	-75.1	225.5	-0.5
9/12/2005	19:00:28	29.77	55.481	36.66	84.7	5.25	49	47.91	22.860	8.33	-74.2	78.3	-0.4
9/12/2005	19:30:28	29.79	55.474	36.65	86.2	5.34	49	47.90	22.854	8.35	-75.0	238.4	-0.2
9/12/2005	20:00:28	29.82	55.468	36.65	85.0	5.27	49	47.87	22.831	8.33	-74.0	94.5	-0.5
9/12/2005	20:30:28	29.83	55.465	36.64	84.1	5.21	49	47.93	22.874	8.33	-73.9	165.4	-0.5
9/12/2005	21:00:28	29.85	55.464	36.64	83.8	5.19	49	47.82	22.800	8.33	-74.1	158.4	-0.7
9/12/2005	21:30:28	29.86	55.464	36.64	83.0	5.14	48	47.89	22.847	8.33	-74.1	125.8	-0.7
9/12/2005	22:00:28	29.87	55.456	36.64	80.5	4.99	48	47.87	22.832	8.31	-73.1	121.8	-0.5
9/12/2005	22:30:28	29.87	55.449	36.63	78.7	4.87	48	47.79	22.782	8.30	-72.4	30.5	-0.6
9/12/2005	23:00:27	29.88	55.436	36.62	76.9	4.76	48	47.92	22.869	8.30	-72.3	45.3	-0.4
9/12/2005	23:30:28	29.87	55.410	36.60	77.9	4.83	48	48.04	22.953	8.30	-72.5	29.8	-0.5
9/13/2005	0:00:28	29.86	55.415	36.61	77.0	4.77	48	48.06	22.962	8.31	-72.6	6.9	-0.5
9/13/2005	0:30:28	29.87	55.415	36.61	77.4	4.80	48	48.06	22.966	8.31	-72.9	2.0	-0.3
9/13/2005	1:00:28	29.86	55.435	36.62	77.8	4.82	48	48.13	23.014	8.32	-73.2	1.7	-0.5
9/13/2005	1:30:28	29.79	55.469	36.65	77.5	4.80	48	48.23	23.084	8.32	-73.4	1.8	-0.7
9/13/2005	2:00:28	29.77	55.477	36.66	77.2	4.79	48	48.27	23.107	8.32	-73.4	1.7	-0.7
9/13/2005	2:30:28	29.77	55.474	36.65	76.8	4.77	48	48.41	23.208	8.32	-73.4	1.6	-0.5
9/13/2005	3:00:28	29.78	55.469	36.65	76.7	4.76	48	48.39	23.194	8.32	-73.6	1.8	-0.2
9/13/2005	3:30:28	29.79	55.451	36.64	76.3	4.74	48	48.54	23.292	8.32	-73.3	1.6	-0.7
9/13/2005	4:00:28	29.80	55.421	36.61	76.2	4.73	48	48.60	23.337	8.32	-73.4	1.7	-0.7
9/13/2005	4:30:28	29.79	55.362	36.57	76.3	4.73	48	48.59	23.333	8.32	-73.4	1.7	-0.7
9/13/2005	5:00:28	29.77	55.344	36.56	76.5	4.75	48	48.77	23.453	8.32	-73.5	1.8	-0.4
9/13/2005	5:30:28	29.74	55.311	36.53	76.6	4.76	48	48.80	23.476	8.32	-73.5	1.7	-0.5
9/13/2005	6:00:28	29.74	55.234	36.48	77.1	4.79	48	48.88	23.531	8.33	-73.8	1.7	0.0
9/13/2005	6:30:28	29.72	55.223	36.47	77.4	4.81	48	48.81	23.482	8.33	-73.8	1.8	-0.4
9/13/2005	7:00:28	29.75	55.188	36.44	77.7	4.83	48	48.82	23.490	8.33	-74.0	1.8	-0.4
9/13/2005	7:30:28	29.74	55.196	36.45	77.6	4.82	48	48.88	23.533	8.33	-73.9	1.7	-0.5
9/13/2005	8:00:28	29.72	55.205	36.45	77.6	4.83	48	48.81	23.486	8.33	-73.9	1.8	-0.5
9/13/2005	8:30:28	29.68	55.221	36.47	77.5	4.82	48	48.75	23.440	8.33	-73.8	1.7	-0.6
9/13/2005	9:00:28	29.61	55.241	36.48	77.0	4.80	48	48.77	23.457	8.32	-73.5	1.9	-0.4
9/13/2005	9:30:28	29.61	55.225	36.47	77.1	4.80	48	48.82	23.489	8.32	-73.5	1.8	-0.5
9/13/2005	10:00:28	29.60	55.222	36.47	77.3	4.81	48	48.76	23.445	8.33	-73.7	1.8	-0.3
9/13/2005	10:30:28	29.61	55.207	36.46	77.0	4.80	48	48.75	23.444	8.33	-73.7	1.8	-0.3
9/13/2005	11:00:28	29.58	55.207	36.46	76.6	4.77	48	48.73	23.427	8.32	-73.6	1.8	-0.5
9/13/2005	11:30:27	29.64	55.166	36.43	76.6	4.77	48	48.80	23.478	8.33	-73.9	1.7	-0.5
9/13/2005	12:00:28	29.68	55.142	36.41	76.8	4.77	48	48.73	23.429	8.33	-74.0	3.6	-0.7
9/13/2005	12:30:28	29.69	55.131	36.40	76.5	4.76	48	48.74	23.435	8.33	-73.9	11.3	-0.4
9/13/2005	13:00:28	29.60	55.182	36.44	77.6	4.83	48	48.67	23.389	8.33	-73.8	27.2	0.0
9/13/2005	13:30:28	29.58	55.186	36.44	78.7	4.90	48	48.63	23.359	8.33	-73.8	38.1	-0.6
9/13/2005	14:00:28	29.59	55.177	36.44	78.8	4.91	48	48.60	23.339	8.33	-73.8	33.8	-0.5
9/13/2005	14:30:28	29.63	55.160	36.42	81.1	5.05	48	48.59	23.332	8.35	-75.3	104.2	-0.4
9/13/2005	15:00:28	29.67	55.151	36.42	82.1	5.11	48	48.50	23.272	8.35	-75.3	131.4	-0.5
9/13/2005	15:30:28	29.69	55.146	36.41	83.7	5.21	49	48.41	23.208	8.35	-75.1	156.8	-0.7
9/13/2005	16:00:28	29.74	55.131	36.40	83.6	5.20	48	48.40	23.200	8.36	-75.7	145.3	-0.4
9/13/2005	16:30:28	29.74	55.143	36.41	83.1	5.16	48	48.34	23.159	8.34	-74.8	190.7	-0.7
9/13/2005	17:00:28	29.69	55.186	36.44	83.9	5.22	49	48.30	23.131	8.34	-74.6	240.1	-0.4
9/13/2005	17:30:28	29.66	55.170	36.43	84.8	5.28	48	48.17	23.044	8.35	-74.9	255.0	-0.7
9/13/2005	18:00:28	29.67	55.171	36.43	86.4	5.37	49	48.18	23.050	8.36	-75.6	225.3	-0.7
9/13/2005	18:30:28	29.65	55.211	36.46	86.6	5.39	49	48.06	22.963	8.35	-75.0	216.2	-0.5
9/13/2005	19:00:28	29.65	55.216	36.46	88.4	5.50	49	47.98	22.913	8.35	-75.4	245.4	-0.7
9/13/2005	19:30:28	29.64	55.220	36.47	87.9	5.47	49	47.97	22.905	8.37	-76.1	262.8	-0.5
9/13/2005	20:00:28	29.63	55.235	36.48	85.7	5.34	49	47.79	22.778	8.34	-74.3	81.0	-0.4
9/13/2005	20:30:28	29.63	55.234	36.48	88.9	5.53	49	47.80	22.789	8.36	-75.9	198.0	-0.7
9/13/2005	21:00:28	29.63	55.232	36.48	88.8	5.53	49	47.72	22.733	8.35	-75.2	180.8	-0.7
9/13/2005	21:30:28	29.64	55.229	36.47	87.0	5.41	49	47.82	22.799	8.35	-75.2	140.3	-0.4
9/13/2005	22:00:28	29.66	55.228	36.47	85.9	5.35	49	47.72	22.731	8.34	-74.6	105.7	-0.2
9/13/2005	22:30:28	29.67	55.227	36.47	83.0	5.16	48	47.69	22.714	8.33	-73.9	66.5	-0.4
9/13/2005	23:00:27	29.63	55.234	36.48	81.5	5.07	48	47.72	22.735	8.32	-73.5	59.5	-0.7
9/13/2005	23:30:28	29.59	55.298	36.53	80.6	5.02	48	47.77	22.764	8.33	-73.9	33.1	-0.3
9/14/2005	0:00:28	29.62	55.337	36.56	79.0	4.91	48	47.85	22.817	8.33	-73.9	10.3	-0.3
9/14/2005	0:30:28	29.65	55.390	36.59	77.7	4.83	48	47.95	22.889	8.33	-74.0	2.4	-0.6
9/14/2005	1:00:28	29.67	55.413	36.61	77.4	4.81	48	47.97	22.902	8.33	-74.0	1.9	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/14/2005	1:30:28	29.67	55.434	36.63	77.0	4.78	48	48.00	22.920	8.33	-74.0	1.9	-0.6
9/14/2005	2:00:28	29.66	55.451	36.64	77.0	4.79	48	48.12	23.006	8.33	-74.1	1.8	-0.5
9/14/2005	2:30:28	29.65	55.460	36.65	77.2	4.80	48	48.26	23.098	8.34	-74.3	1.8	-0.6
9/14/2005	3:00:28	29.63	55.454	36.64	77.0	4.79	48	48.33	23.152	8.33	-74.3	1.8	-0.5
9/14/2005	3:30:28	29.62	55.458	36.65	77.3	4.81	48	48.38	23.185	8.34	-74.3	1.9	-0.5
9/14/2005	4:00:28	29.60	55.453	36.64	76.9	4.79	48	48.42	23.214	8.33	-74.3	1.8	-0.5
9/14/2005	4:30:28	29.58	55.451	36.64	76.3	4.75	48	48.49	23.257	8.33	-74.2	1.9	-0.5
9/14/2005	5:00:28	29.57	55.447	36.64	76.8	4.78	48	48.56	23.310	8.34	-74.3	1.8	-0.7
9/14/2005	5:30:28	29.55	55.447	36.64	76.7	4.77	48	48.63	23.358	8.34	-74.3	1.9	-0.5
9/14/2005	6:00:28	29.52	55.451	36.64	76.8	4.78	48	48.68	23.387	8.33	-74.2	1.9	-0.5
9/14/2005	6:30:28	29.49	55.456	36.65	76.4	4.76	48	48.72	23.416	8.33	-74.2	1.8	-0.5
9/14/2005	7:00:28	29.48	55.460	36.65	76.8	4.79	48	48.76	23.442	8.34	-74.3	1.9	-0.5
9/14/2005	7:30:28	29.50	55.458	36.65	76.6	4.77	48	48.76	23.446	8.34	-74.3	1.9	-0.4
9/14/2005	8:00:28	29.52	55.449	36.64	76.8	4.79	48	48.83	23.489	8.34	-74.5	1.9	-0.7
9/14/2005	8:30:28	29.51	55.454	36.65	76.8	4.78	48	48.84	23.499	8.34	-74.5	1.9	-0.7
9/14/2005	9:00:28	29.48	55.460	36.65	76.4	4.76	48	48.84	23.497	8.34	-74.3	1.9	-0.4
9/14/2005	9:30:28	29.51	55.454	36.65	76.1	4.74	48	48.83	23.490	8.34	-74.3	1.7	-0.3
9/14/2005	10:00:28	29.54	55.449	36.64	76.2	4.75	48	48.83	23.491	8.34	-74.3	1.9	-0.4
9/14/2005	10:30:28	29.54	55.458	36.65	76.2	4.75	48	48.83	23.494	8.34	-74.5	2.0	0.0
9/14/2005	11:00:28	29.52	55.458	36.65	76.3	4.76	48	48.81	23.479	8.34	-74.3	1.8	-0.5
9/14/2005	11:30:27	29.51	55.458	36.65	76.2	4.74	48	48.79	23.468	8.34	-74.4	1.9	-0.4
9/14/2005	12:00:28	29.55	55.467	36.66	76.6	4.77	48	48.76	23.447	8.34	-74.5	4.4	-0.6
9/14/2005	12:30:28	29.54	55.484	36.67	77.4	4.82	48	48.74	23.432	8.34	-74.5	17.4	-0.5
9/14/2005	13:00:28	29.57	55.506	36.68	79.6	4.95	48	48.74	23.428	8.34	-74.6	44.9	-0.5
9/14/2005	13:30:28	29.59	55.493	36.67	81.9	5.10	48	48.77	23.450	8.35	-75.1	70.6	-0.4
9/14/2005	14:00:28	29.60	55.493	36.67	83.6	5.20	48	48.71	23.412	8.36	-75.4	116.3	-0.6
9/14/2005	14:30:28	29.60	55.491	36.67	84.3	5.24	48	48.71	23.413	8.35	-75.0	92.2	-0.4
9/14/2005	15:00:28	29.59	55.477	36.66	85.6	5.33	48	48.68	23.389	8.35	-75.1	191.6	-0.5
9/14/2005	15:30:28	29.59	55.461	36.65	89.1	5.55	49	48.64	23.363	8.35	-75.4	217.1	-0.5
9/14/2005	16:00:28	29.52	55.427	36.63	88.5	5.52	49	48.58	23.321	8.35	-74.9	248.7	-0.5
9/14/2005	16:30:28	29.49	55.387	36.60	91.4	5.70	49	48.57	23.316	8.35	-75.1	225.7	-0.3
9/14/2005	17:00:28	29.45	55.380	36.59	89.7	5.59	49	48.50	23.265	8.34	-74.8	300.7	-0.5
9/14/2005	17:30:28	29.47	55.357	36.58	92.3	5.76	49	48.43	23.217	8.35	-75.1	292.9	-0.5
9/14/2005	18:00:28	29.47	55.358	36.58	93.4	5.82	49	48.37	23.177	8.35	-75.2	364.3	-0.6
9/14/2005	18:30:28	29.48	55.361	36.58	94.7	5.91	49	48.31	23.134	8.36	-75.6	344.6	-0.4
9/14/2005	19:00:28	29.49	55.383	36.59	95.5	5.95	49	48.24	23.085	8.36	-75.7	316.9	-0.5
9/14/2005	19:30:28	29.48	55.395	36.60	92.3	5.75	49	48.19	23.053	8.35	-75.1	348.0	-0.5
9/14/2005	20:00:28	29.49	55.396	36.60	91.9	5.73	49	48.11	22.996	8.35	-75.3	301.7	-0.4
9/14/2005	20:30:28	29.49	55.401	36.61	93.5	5.82	49	48.06	22.960	8.35	-75.1	239.2	-0.5
9/14/2005	21:00:28	29.50	55.396	36.60	94.5	5.89	49	48.03	22.940	8.35	-75.2	215.4	-0.2
9/14/2005	21:30:28	29.51	55.399	36.61	91.3	5.69	49	47.93	22.873	8.35	-75.1	181.7	-0.7
9/14/2005	22:00:28	29.50	55.399	36.61	88.5	5.52	49	47.92	22.866	8.34	-74.6	145.2	-0.4
9/14/2005	22:30:28	29.50	55.405	36.61	86.5	5.39	49	47.93	22.872	8.34	-74.6	106.2	-0.6
9/14/2005	23:00:27	29.49	55.411	36.62	83.8	5.22	48	47.91	22.856	8.34	-74.3	77.5	1.8
9/14/2005	23:30:28	29.49	55.411	36.62	82.2	5.12	48	47.87	22.833	8.33	-74.1	39.4	-0.5
9/15/2005	0:00:28	29.49	55.419	36.62	79.7	4.96	48	47.91	22.859	8.33	-74.0	13.6	-0.7
9/15/2005	0:30:28	29.49	55.431	36.63	77.0	4.80	48	47.92	22.868	8.33	-73.9	2.3	-0.6
9/15/2005	1:00:28	29.50	55.430	36.63	75.5	4.70	48	48.00	22.918	8.33	-73.8	1.8	-0.7
9/15/2005	1:30:28	29.49	55.431	36.63	75.5	4.71	48	48.03	22.941	8.33	-73.9	1.8	-0.5
9/15/2005	2:00:28	29.50	55.435	36.63	74.7	4.66	48	48.05	22.953	8.33	-73.9	1.8	-0.7
9/15/2005	2:30:28	29.51	55.439	36.64	75.0	4.67	48	48.17	23.039	8.33	-73.8	1.8	-0.5
9/15/2005	3:00:28	29.51	55.439	36.64	74.7	4.65	48	48.26	23.100	8.33	-73.9	1.8	-0.5
9/15/2005	3:30:28	29.51	55.445	36.64	73.9	4.61	48	48.30	23.127	8.33	-73.9	1.8	-0.3
9/15/2005	4:00:28	29.52	55.442	36.64	73.9	4.60	48	48.38	23.186	8.33	-73.8	1.7	-0.4
9/15/2005	4:30:28	29.52	55.443	36.64	73.7	4.59	48	48.46	23.241	8.33	-73.9	1.7	-0.5
9/15/2005	5:00:28	29.51	55.450	36.64	73.2	4.56	48	48.58	23.320	8.33	-73.7	1.7	-0.8
9/15/2005	5:30:28	29.51	55.451	36.65	73.2	4.56	48	48.65	23.369	8.33	-73.7	1.8	-0.5
9/15/2005	6:00:28	29.51	55.449	36.64	72.4	4.51	47	48.67	23.378	8.33	-73.8	1.9	-0.4
9/15/2005	6:30:28	29.51	55.450	36.64	72.6	4.52	48	48.68	23.386	8.33	-73.7	1.7	-0.5
9/15/2005	7:00:28	29.51	55.450	36.64	71.5	4.45	47	48.74	23.432	8.32	-73.4	1.8	-0.3
9/15/2005	7:30:28	29.51	55.449	36.64	71.0	4.42	47	48.76	23.443	8.32	-73.3	1.9	-0.6
9/15/2005	8:00:28	29.51	55.442	36.64	71.5	4.45	47	48.78	23.461	8.32	-73.4	1.7	-0.4
9/15/2005	8:30:28	29.50	55.423	36.62	69.0	4.30	47	48.82	23.489	8.32	-73.5	1.8	-0.5
9/15/2005	9:00:28	29.48	55.414	36.62	74.5	4.64	48	48.82	23.482	8.33	-73.9	1.8	-0.6
9/15/2005	9:30:28	29.44	55.407	36.61	74.2	4.63	48	48.83	23.490	8.32	-73.5	1.9	-0.1
9/15/2005	10:00:28	29.43	55.392	36.60	74.8	4.67	48	48.83	23.494	8.32	-73.5	1.8	-0.6
9/15/2005	10:30:28	29.46	55.368	36.58	74.9	4.67	48	48.78	23.459	8.33	-73.8	1.9	0.0
9/15/2005	11:00:28	29.46	55.370	36.59	75.5	4.71	48	48.79	23.467	8.33	-73.9	1.7	0.4
9/15/2005	11:30:27	29.47	55.373	36.59	75.5	4.71	48	48.78	23.458	8.33	-74.0	1.9	0.9
9/15/2005	12:00:28	29.47	55.386	36.60	75.7	4.72	48	48.78	23.456	8.33	-74.0	3.9	2.1
9/15/2005	12:30:28	29.42	55.398	36.61	76.5	4.77	48	48.74	23.431	8.33	-74.0	18.7	-0.5
9/15/2005	13:00:28	29.45	55.392	36.60	78.0	4.86	48	48.76	23.441	8.34	-74.4	46.3	-0.4

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/15/2005	13:30:28	29.48	55.400	36.61	80.0	4.99	48	48.74	23.431	8.34	-74.7	77.2	0.1
9/15/2005	14:00:28	29.50	55.411	36.62	81.7	5.09	48	48.71	23.407	8.35	-75.0	104.1	-0.2
9/15/2005	14:30:28	29.53	55.448	36.64	83.4	5.20	48	48.71	23.413	8.34	-74.6	144.7	-0.2
9/15/2005	15:00:28	29.58	55.493	36.67	85.9	5.35	48	48.73	23.423	8.35	-75.0	205.4	-0.6
9/15/2005	15:30:28	29.60	55.501	36.68	86.5	5.38	48	48.68	23.387	8.35	-74.9	246.5	-0.2
9/15/2005	16:00:28	29.64	55.507	36.68	87.2	5.42	49	48.68	23.390	8.34	-74.8	283.0	-0.4
9/15/2005	16:30:28	29.63	55.494	36.67	88.5	5.50	49	48.62	23.348	8.34	-74.8	270.3	-0.4
9/15/2005	17:00:28	29.64	55.482	36.66	89.4	5.56	49	48.57	23.316	8.35	-75.1	332.7	-0.5
9/15/2005	17:30:28	29.62	55.498	36.68	90.1	5.60	49	48.57	23.313	8.34	-74.7	352.1	-0.4
9/15/2005	18:00:28	29.63	55.503	36.68	90.0	5.59	49	48.51	23.274	8.34	-74.6	354.4	0.3
9/15/2005	18:30:28	29.61	55.474	36.66	90.9	5.65	49	48.43	23.216	8.34	-74.6	418.7	-0.1
9/15/2005	19:00:28	29.60	55.470	36.66	92.8	5.77	49	48.38	23.180	8.35	-75.1	320.5	0.7
9/15/2005	19:30:28	29.57	55.474	36.66	91.9	5.72	49	48.28	23.110	8.35	-75.0	290.2	0.0
9/15/2005	20:00:28	29.56	55.489	36.67	90.2	5.61	49	48.28	23.114	8.34	-74.4	264.9	1.8
9/15/2005	20:30:28	29.62	55.505	36.68	91.5	5.69	49	48.16	23.030	8.35	-75.0	275.1	0.1
9/15/2005	21:00:28	29.64	55.520	36.69	88.3	5.49	48	48.13	23.010	8.34	-74.3	242.1	-0.5
9/15/2005	21:30:28	29.64	55.527	36.70	89.1	5.54	49	48.04	22.947	8.34	-74.5	195.3	-0.6
9/15/2005	22:00:28	29.64	55.523	36.69	87.0	5.41	49	48.05	22.958	8.34	-74.3	147.9	0.2
9/15/2005	22:30:28	29.63	55.511	36.69	85.7	5.33	48	47.98	22.909	8.33	-74.2	94.7	0.1
9/15/2005	23:00:27	29.64	55.516	36.69	84.6	5.26	48	47.90	22.852	8.33	-74.1	65.1	-0.4
9/15/2005	23:30:28	29.64	55.518	36.69	81.1	5.04	48	47.94	22.880	8.33	-73.7	40.4	-0.2
9/16/2005	0:00:28	29.63	55.518	36.69	78.7	4.89	48	47.94	22.881	8.32	-73.6	11.9	0.2
9/16/2005	0:30:28	29.63	55.525	36.70	75.0	4.66	48	47.97	22.902	8.31	-73.1	2.1	-0.4
9/16/2005	1:00:28	29.64	55.525	36.70	72.4	4.50	47	47.98	22.910	8.31	-72.6	1.7	-0.4
9/16/2005	1:30:28	29.64	55.530	36.70	71.3	4.43	47	47.95	22.888	8.30	-72.4	1.7	0.3
9/16/2005	2:00:28	29.64	55.531	36.70	71.0	4.41	47	48.01	22.928	8.30	-72.4	1.8	0.0
9/16/2005	2:30:28	29.65	55.530	36.70	69.7	4.33	47	48.18	23.044	8.30	-72.3	1.7	0.5
9/16/2005	3:00:28	29.66	55.528	36.70	68.3	4.25	47	48.14	23.020	8.30	-72.0	1.8	0.1
9/16/2005	3:30:28	29.66	55.524	36.69	67.8	4.21	47	48.27	23.106	8.29	-71.8	1.9	0.0
9/16/2005	4:00:28	29.66	55.513	36.69	66.8	4.15	47	48.21	23.068	8.29	-71.9	1.8	0.6
9/16/2005	4:30:28	29.66	55.496	36.67	69.0	4.29	47	48.37	23.176	8.30	-72.4	1.7	0.2
9/16/2005	5:00:28	29.66	55.486	36.67	70.4	4.37	47	48.48	23.252	8.31	-73.1	1.8	0.1
9/16/2005	5:30:28	29.66	55.487	36.67	71.4	4.44	47	48.57	23.315	8.31	-73.1	1.8	0.5
9/16/2005	6:00:28	29.66	55.488	36.67	70.9	4.41	47	48.64	23.365	8.32	-73.1	1.9	0.8
9/16/2005	6:30:28	29.66	55.485	36.66	72.3	4.49	47	48.63	23.356	8.32	-73.5	1.7	0.3
9/16/2005	7:00:28	29.66	55.489	36.67	72.4	4.50	48	48.73	23.423	8.32	-73.5	1.7	0.0
9/16/2005	7:30:28	29.64	55.494	36.67	72.3	4.50	47	48.80	23.473	8.32	-73.6	1.7	-0.4
9/16/2005	8:00:28	29.60	55.502	36.68	73.5	4.57	48	48.80	23.475	8.33	-73.7	1.7	0.2
9/16/2005	8:30:28	29.60	55.509	36.69	72.8	4.53	47	48.88	23.530	8.33	-73.7	1.8	-0.2
9/16/2005	9:00:28	29.60	55.537	36.71	74.1	4.61	48	48.85	23.502	8.33	-74.0	1.7	-0.1
9/16/2005	9:30:28	29.60	55.545	36.71	74.1	4.60	48	48.87	23.519	8.33	-74.0	1.7	-0.5
9/16/2005	10:00:28	29.61	55.541	36.71	73.5	4.57	48	48.84	23.501	8.33	-74.0	1.8	0.0
9/16/2005	10:30:28	29.63	55.572	36.73	73.9	4.59	48	48.86	23.509	8.33	-74.2	1.8	0.1
9/16/2005	11:00:28	29.64	55.579	36.74	74.1	4.61	47	48.89	23.531	8.33	-74.2	1.8	0.2
9/16/2005	11:30:27	29.63	55.580	36.74	74.9	4.65	48	48.82	23.485	8.33	-74.2	1.8	0.0
9/16/2005	12:00:28	29.62	55.575	36.73	75.1	4.67	48	48.83	23.492	8.34	-74.3	4.1	-0.4
9/16/2005	12:30:28	29.62	55.553	36.72	75.5	4.70	48	48.87	23.519	8.34	-74.3	21.1	-0.4
9/16/2005	13:00:28	29.62	55.548	36.71	77.5	4.82	48	48.87	23.518	8.34	-74.5	45.2	-0.1
9/16/2005	13:30:28	29.60	55.570	36.73	79.8	4.96	48	48.83	23.488	8.34	-74.8	74.6	-0.5
9/16/2005	14:00:28	29.58	55.568	36.73	81.9	5.09	48	48.90	23.538	8.35	-75.3	113.6	-0.6
9/16/2005	14:30:28	29.56	55.541	36.71	82.7	5.14	48	48.89	23.534	8.36	-75.6	151.2	0.7
9/16/2005	15:00:28	29.57	55.548	36.72	84.5	5.26	48	48.83	23.489	8.36	-75.5	174.6	-0.8
9/16/2005	15:30:28	29.55	55.548	36.72	85.8	5.34	48	48.86	23.510	8.35	-75.1	220.4	0.1
9/16/2005	16:00:28	29.56	55.535	36.71	85.1	5.30	48	48.88	23.528	8.35	-74.9	206.2	-0.5
9/16/2005	16:30:28	29.51	55.511	36.69	88.4	5.51	48	48.79	23.465	8.35	-75.2	290.0	-0.4
9/16/2005	17:00:28	29.50	55.528	36.70	87.2	5.43	48	48.80	23.470	8.34	-74.6	273.7	-0.5
9/16/2005	17:30:28	29.50	55.517	36.69	89.9	5.60	49	48.72	23.417	8.35	-75.1	235.0	-0.4
9/16/2005	18:00:28	29.57	55.532	36.70	89.6	5.57	49	48.75	23.437	8.36	-75.6	314.4	0.2
9/16/2005	18:30:28	29.60	55.549	36.72	94.7	5.89	49	48.71	23.408	8.36	-75.6	266.8	0.0
9/16/2005	19:00:28	29.59	55.570	36.73	90.9	5.65	49	48.66	23.374	8.36	-75.6	256.3	-0.5
9/16/2005	19:30:28	29.60	55.570	36.73	89.4	5.56	48	48.55	23.296	8.35	-75.4	325.2	-0.7
9/16/2005	20:00:28	29.63	55.572	36.73	91.0	5.66	49	48.51	23.272	8.35	-75.4	300.3	-0.4
9/16/2005	20:30:28	29.66	55.566	36.73	90.9	5.65	49	48.41	23.206	8.34	-74.6	128.7	-0.6
9/16/2005	21:00:28	29.64	55.564	36.72	88.6	5.51	48	48.38	23.179	8.34	-74.6	100.4	-0.5
9/16/2005	21:30:28	29.63	55.559	36.72	89.1	5.54	48	48.28	23.114	8.35	-75.4	209.3	1.4
9/16/2005	22:00:28	29.60	55.562	36.72	86.0	5.35	48	48.26	23.100	8.34	-74.6	153.9	-0.7
9/16/2005	22:30:28	29.59	55.563	36.73	84.9	5.28	48	48.17	23.040	8.34	-74.6	105.9	-0.4
9/16/2005	23:00:27	29.58	55.560	36.72	82.4	5.12	48	48.10	22.991	8.33	-74.1	46.9	0.9
9/16/2005	23:30:28	29.59	55.560	36.72	79.8	4.96	48	48.04	22.949	8.33	-73.9	25.9	-0.5
9/17/2005	0:00:28	29.59	55.565	36.73	77.2	4.80	48	47.98	22.907	8.33	-73.7	10.4	0.0
9/17/2005	0:30:28	29.60	55.570	36.73	73.9	4.60	48	47.98	22.907	8.32	-73.5	1.9	0.0
9/17/2005	1:00:28	29.61	55.569	36.73	71.1	4.42	47	47.95	22.886	8.31	-72.8	1.8	-0.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m²	Turbidity NTU
9/17/2005	1:30:28	29.63	55.572	36.73	70.4	4.38	47	48.01	22.930	8.31	-73.1	1.6	-0.1
9/17/2005	2:00:28	29.64	55.566	36.73	69.7	4.33	47	47.97	22.900	8.31	-72.6	1.7	-0.5
9/17/2005	2:30:28	29.64	55.562	36.72	69.4	4.31	47	48.01	22.928	8.31	-72.8	1.8	-0.2
9/17/2005	3:00:28	29.64	55.555	36.72	69.2	4.30	47	48.03	22.944	8.31	-72.6	1.8	-0.4
9/17/2005	3:30:28	29.63	55.542	36.71	68.7	4.27	47	48.09	22.984	8.31	-72.6	1.8	0.8
9/17/2005	4:00:28	29.63	55.517	36.69	69.0	4.29	47	48.17	23.041	8.31	-72.9	1.8	-0.2
9/17/2005	4:30:28	29.63	55.507	36.68	69.4	4.32	47	48.18	23.047	8.32	-73.4	1.7	0.0
9/17/2005	5:00:28	29.62	55.504	36.68	71.5	4.45	47	48.27	23.106	8.32	-73.6	1.8	0.3
9/17/2005	5:30:28	29.62	55.500	36.68	71.1	4.42	47	48.29	23.120	8.32	-73.6	1.8	-0.1
9/17/2005	6:00:28	29.63	55.500	36.68	71.4	4.44	47	48.47	23.242	8.33	-74.0	1.8	2.5
9/17/2005	6:30:28	29.61	55.488	36.67	69.7	4.33	47	48.45	23.229	8.33	-74.0	1.8	0.6
9/17/2005	7:00:28	29.60	55.471	36.66	71.4	4.44	47	48.46	23.238	8.33	-74.0	1.8	0.9
9/17/2005	7:30:28	29.58	55.470	36.66	71.8	4.47	47	48.48	23.250	8.33	-74.0	1.8	-0.5
9/17/2005	8:00:28	29.57	55.467	36.66	72.4	4.51	47	48.51	23.275	8.33	-74.1	1.7	3.6
9/17/2005	8:30:28	29.57	55.468	36.66	72.5	4.51	47	48.54	23.294	8.33	-74.0	1.8	2.8
9/17/2005	9:00:28	29.57	55.463	36.65	73.3	4.56	47	48.54	23.290	8.33	-74.2	1.8	4.0
9/17/2005	9:30:28	29.56	55.468	36.66	72.6	4.52	48	48.56	23.310	8.33	-74.2	1.9	-0.3
9/17/2005	10:00:28	29.53	55.461	36.65	72.6	4.52	47	48.54	23.291	8.33	-74.2	1.8	7.6
9/17/2005	10:30:28	29.50	55.470	36.66	73.4	4.57	47	48.63	23.353	8.34	-74.2	1.8	18.6
9/17/2005	11:00:28	29.49	55.470	36.66	72.0	4.49	47	48.57	23.313	8.33	-74.2	1.9	0.0
9/17/2005	11:30:27	29.49	55.473	36.66	73.8	4.60	47	48.56	23.309	8.34	-74.3	1.9	2.8
9/17/2005	12:00:28	29.49	55.468	36.66	73.6	4.59	47	48.56	23.306	8.34	-74.3	3.9	6.4
9/17/2005	12:30:28	29.50	55.469	36.66	74.2	4.63	48	48.57	23.315	8.34	-74.3	17.7	0.8
9/17/2005	13:00:28	29.44	55.460	36.65	76.3	4.76	48	48.55	23.299	8.34	-74.6	41.8	4.4
9/17/2005	13:30:28	29.39	55.453	36.65	78.4	4.90	48	48.56	23.304	8.35	-74.8	70.5	0.0
9/17/2005	14:00:28	29.43	55.449	36.65	79.7	4.97	48	48.58	23.322	8.35	-75.3	103.5	0.1
9/17/2005	14:30:28	29.44	55.440	36.64	81.5	5.09	48	48.62	23.344	8.35	-75.3	144.2	0.3
9/17/2005	15:00:28	29.47	55.451	36.65	83.5	5.20	48	48.61	23.341	8.35	-75.0	94.6	1.9
9/17/2005	15:30:28	29.46	55.437	36.64	82.8	5.16	48	48.63	23.354	8.35	-75.1	222.3	0.6
9/17/2005	16:00:28	29.45	55.420	36.62	84.7	5.28	48	48.72	23.414	8.36	-75.4	247.7	0.4
9/17/2005	16:30:28	29.45	55.416	36.62	88.0	5.49	48	48.69	23.396	8.36	-75.7	277.8	3.3
9/17/2005	17:00:28	29.47	55.416	36.62	89.3	5.57	48	48.68	23.390	8.37	-76.1	321.7	-0.4
9/17/2005	17:30:28	29.47	55.424	36.63	88.6	5.52	48	48.70	23.400	8.36	-75.4	296.0	0.5
9/17/2005	18:00:28	29.50	55.431	36.63	89.0	5.54	48	48.73	23.425	8.35	-75.3	347.2	-0.5
9/17/2005	18:30:28	29.51	55.431	36.63	90.7	5.65	49	48.70	23.399	8.35	-75.4	324.0	-0.2
9/17/2005	19:00:28	29.52	55.436	36.63	90.1	5.61	48	48.69	23.397	8.36	-75.4	301.1	0.5
9/17/2005	19:30:28	29.53	55.438	36.63	92.9	5.78	49	48.71	23.408	8.36	-75.4	306.3	-0.6
9/17/2005	20:00:28	29.57	55.447	36.64	89.4	5.57	48	48.65	23.366	8.36	-75.6	294.1	-0.7
9/17/2005	20:30:28	29.58	55.465	36.65	86.1	5.36	48	48.64	23.360	8.34	-74.3	104.6	-0.4
9/17/2005	21:00:28	29.60	55.465	36.65	86.9	5.40	48	48.56	23.304	8.35	-74.9	247.2	-0.3
9/17/2005	21:30:28	29.62	55.466	36.65	88.6	5.51	48	48.53	23.284	8.35	-74.8	116.7	-0.4
9/17/2005	22:00:28	29.62	55.467	36.65	84.5	5.26	48	48.48	23.251	8.34	-74.8	166.4	0.2
9/17/2005	22:30:28	29.62	55.472	36.66	81.3	5.06	48	48.43	23.218	8.33	-74.2	59.0	-0.2
9/17/2005	23:00:27	29.61	55.470	36.66	80.2	4.99	48	48.38	23.185	8.33	-74.2	49.2	0.4
9/17/2005	23:30:28	29.60	55.470	36.66	78.7	4.89	48	48.34	23.157	8.33	-74.0	38.9	0.2
9/18/2005	0:00:28	29.60	55.465	36.65	76.7	4.77	47	48.31	23.137	8.33	-73.9	11.4	0.8
9/18/2005	0:30:28	29.61	55.466	36.65	74.8	4.65	47	48.29	23.123	8.33	-73.9	2.0	-0.1
9/18/2005	1:00:28	29.62	55.475	36.66	73.4	4.56	47	48.25	23.092	8.33	-73.8	1.8	1.0
9/18/2005	1:30:28	29.61	55.476	36.66	72.2	4.49	47	48.21	23.063	8.33	-73.9	1.8	-0.2
9/18/2005	2:00:28	29.61	55.478	36.66	72.0	4.48	47	48.19	23.052	8.33	-73.9	1.8	-0.4
9/18/2005	2:30:28	29.61	55.477	36.66	71.6	4.46	47	48.17	23.035	8.33	-73.8	1.8	-0.3
9/18/2005	3:00:28	29.62	55.488	36.67	70.6	4.39	47	48.23	23.077	8.33	-73.7	1.8	0.4
9/18/2005	3:30:28	29.63	55.488	36.67	71.6	4.45	47	48.23	23.083	8.33	-73.7	1.8	-0.3
9/18/2005	4:00:28	29.64	55.487	36.67	70.5	4.38	47	48.23	23.081	8.32	-73.6	1.9	0.1
9/18/2005	4:30:28	29.63	55.478	36.66	68.9	4.28	47	48.34	23.157	8.32	-73.5	1.8	0.6
9/18/2005	5:00:28	29.63	55.460	36.65	68.3	4.25	47	48.30	23.130	8.32	-73.4	1.9	0.1
9/18/2005	5:30:28	29.63	55.441	36.63	68.5	4.26	47	48.32	23.142	8.32	-73.4	1.7	0.6
9/18/2005	6:00:28	29.63	55.442	36.63	68.8	4.28	47	48.40	23.197	8.32	-73.5	1.8	1.4
9/18/2005	6:30:28	29.64	55.432	36.63	69.2	4.30	47	48.44	23.223	8.32	-73.7	1.9	0.5
9/18/2005	7:00:28	29.62	55.440	36.63	70.2	4.37	47	48.47	23.246	8.33	-73.7	1.9	2.6
9/18/2005	7:30:28	29.60	55.443	36.64	69.7	4.34	47	48.49	23.262	8.32	-73.6	1.9	1.4
9/18/2005	8:00:28	29.59	55.445	36.64	69.8	4.34	47	48.52	23.280	8.33	-73.8	1.8	1.9
9/18/2005	8:30:28	29.61	55.471	36.66	70.5	4.38	47	48.57	23.311	8.33	-73.9	1.9	2.6
9/18/2005	9:00:28	29.61	55.474	36.66	69.4	4.32	47	48.55	23.304	8.33	-73.8	1.9	2.5
9/18/2005	9:30:28	29.63	55.478	36.66	69.6	4.33	47	48.55	23.298	8.32	-73.6	1.8	0.1
9/18/2005	10:00:28	29.63	55.482	36.66	70.3	4.37	47	48.57	23.313	8.33	-73.8	1.9	0.7
9/18/2005	10:30:28	29.63	55.484	36.67	69.2	4.30	47	48.52	23.281	8.32	-73.7	1.9	0.4
9/18/2005	11:00:28	29.63	55.482	36.66	69.7	4.33	47	48.51	23.270	8.33	-73.7	1.9	0.2
9/18/2005	11:30:27	29.63	55.481	36.66	69.3	4.31	47	48.50	23.267	8.32	-73.5	1.9	0.6
9/18/2005	12:00:28	29.63	55.477	36.66	69.5	4.32	47	48.49	23.259	8.32	-73.6	4.0	0.4
9/18/2005	12:30:28	29.60	55.470	36.66	71.9	4.47	47	48.51	23.271	8.33	-74.0	20.1	0.3
9/18/2005	13:00:28	29.59	55.479	36.66	73.7	4.58	47	48.50	23.262	8.34	-74.3	48.6	5.8

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/18/2005	13:30:28	29.60	55.480	36.66	76.5	4.76	48	48.50	23.269	8.35	-75.0	87.3	2.5
9/18/2005	14:00:28	29.60	55.482	36.66	78.8	4.90	48	48.52	23.278	8.36	-75.7	126.1	5.0
9/18/2005	14:30:28	29.61	55.488	36.67	80.4	5.00	48	48.51	23.273	8.36	-75.6	154.6	6.4
9/18/2005	15:00:28	29.50	55.483	36.67	81.7	5.09	48	48.52	23.281	8.36	-75.7	185.3	11.6
9/18/2005	15:30:28	29.36	55.497	36.68	83.7	5.23	48	48.55	23.294	8.37	-76.0	230.7	2.3
9/18/2005	16:00:28	29.37	55.517	36.70	88.7	5.54	48	48.59	23.326	8.39	-77.1	269.8	11.3
9/18/2005	16:30:28	29.38	55.566	36.74	84.5	5.27	48	48.62	23.345	8.35	-75.1	152.8	2.4
9/18/2005	17:00:28	29.43	55.563	36.73	89.2	5.56	48	48.63	23.352	8.35	-75.3	350.9	4.2
9/18/2005	17:30:28	29.42	55.566	36.73	85.1	5.31	48	48.67	23.380	8.35	-75.3	339.8	0.5
9/18/2005	18:00:28	29.40	55.563	36.73	86.8	5.42	48	48.70	23.403	8.35	-75.4	210.2	1.8
9/18/2005	18:30:28	29.46	55.561	36.73	87.2	5.44	48	48.73	23.419	8.36	-75.6	348.9	0.1
9/18/2005	19:00:28	29.51	55.571	36.73	89.8	5.59	48	48.75	23.436	8.36	-75.7	344.2	4.1
9/18/2005	19:30:28	29.52	55.577	36.74	85.7	5.34	48	48.75	23.436	8.36	-75.5	304.4	17.9
9/18/2005	20:00:28	29.58	55.566	36.73	94.0	5.85	49	48.76	23.446	8.36	-75.5	288.6	0.0
9/18/2005	20:30:28	29.60	55.583	36.74	85.3	5.30	48	48.74	23.431	8.36	-75.6	253.3	6.3
9/18/2005	21:00:28	29.60	55.573	36.73	86.1	5.36	48	48.73	23.419	8.36	-75.6	224.3	0.3
9/18/2005	21:30:28	29.62	55.549	36.71	82.6	5.13	48	48.71	23.412	8.34	-74.7	145.1	2.2
9/18/2005	22:00:28	29.61	55.503	36.68	82.0	5.10	48	48.70	23.402	8.34	-74.5	109.7	-0.3
9/18/2005	22:30:28	29.60	55.455	36.64	79.9	4.97	47	48.67	23.384	8.34	-74.3	104.5	3.5
9/18/2005	23:00:27	29.57	55.443	36.64	77.8	4.84	47	48.62	23.350	8.33	-74.0	64.3	1.1
9/18/2005	23:30:28	29.55	55.460	36.65	76.5	4.76	47	48.61	23.338	8.33	-73.8	33.3	0.0
9/19/2005	0:00:28	29.56	55.473	36.66	74.9	4.66	47	48.56	23.310	8.32	-73.7	10.0	-0.2
9/19/2005	0:30:28	29.59	55.447	36.64	72.6	4.52	47	48.54	23.292	8.32	-73.6	1.9	-0.4
9/19/2005	1:00:28	29.55	55.448	36.64	72.8	4.53	47	48.50	23.269	8.33	-73.9	1.8	-0.5
9/19/2005	1:30:28	29.54	55.441	36.64	72.2	4.49	47	48.46	23.237	8.33	-73.7	1.7	-0.5
9/19/2005	2:00:28	29.52	55.427	36.63	71.5	4.45	47	48.46	23.239	8.32	-73.7	1.7	-0.2
9/19/2005	2:30:28	29.47	55.430	36.63	71.5	4.46	47	48.44	23.226	8.33	-73.7	1.8	-0.3
9/19/2005	3:00:28	29.43	55.463	36.66	70.7	4.41	47	48.43	23.216	8.32	-73.3	1.7	-0.3
9/19/2005	3:30:28	29.44	55.471	36.66	69.6	4.34	47	48.43	23.218	8.32	-73.2	1.7	0.0
9/19/2005	4:00:28	29.45	55.470	36.66	69.4	4.33	47	48.42	23.209	8.31	-73.0	1.8	2.7
9/19/2005	4:30:28	29.49	55.465	36.66	69.5	4.33	47	48.44	23.221	8.31	-72.9	1.7	2.4
9/19/2005	5:00:28	29.49	55.467	36.66	67.4	4.20	46	48.45	23.233	8.31	-72.5	1.7	0.5
9/19/2005	5:30:28	29.50	55.466	36.66	69.4	4.32	47	48.46	23.239	8.31	-72.7	1.8	11.9
9/19/2005	6:00:28	29.53	55.471	36.66	67.5	4.20	47	48.50	23.266	8.30	-72.4	1.7	7.1
9/19/2005	6:30:28	29.54	55.467	36.66	65.6	4.08	46	48.52	23.279	8.29	-71.6	1.8	7.9
9/19/2005	7:00:28	29.62	55.458	36.65	67.9	4.22	47	48.53	23.289	8.31	-72.9	1.8	6.0
9/19/2005	7:30:28	29.66	55.454	36.64	66.3	4.12	46	48.54	23.293	8.31	-72.8	1.7	4.3
9/19/2005	8:00:28	29.67	55.462	36.65	66.2	4.11	47	48.56	23.307	8.31	-72.6	1.9	1.8
9/19/2005	8:30:28	29.69	55.453	36.64	66.1	4.11	47	48.56	23.310	8.32	-73.2	1.8	1.0
9/19/2005	9:00:28	29.69	55.451	36.64	67.3	4.18	46	48.57	23.313	8.32	-73.4	1.8	2.8
9/19/2005	9:30:28	29.68	55.454	36.64	67.6	4.20	47	48.55	23.300	8.32	-73.2	1.7	-0.2
9/19/2005	10:00:28	29.68	55.457	36.64	67.3	4.18	47	48.56	23.308	8.32	-73.2	1.7	12.5
9/19/2005	10:30:28	29.67	55.457	36.64	67.7	4.21	47	48.54	23.292	8.32	-73.3	1.7	15.6
9/19/2005	11:00:28	29.65	55.454	36.64	67.8	4.22	47	48.48	23.255	8.32	-73.3	1.8	3.9
9/19/2005	11:30:27	29.62	55.472	36.66	69.4	4.31	47	48.47	23.247	8.32	-73.4	1.9	0.4
9/19/2005	12:00:28	29.60	55.491	36.67	69.0	4.29	47	48.43	23.219	8.32	-73.6	3.7	0.0
9/19/2005	12:30:28	29.59	55.501	36.68	70.0	4.35	47	48.43	23.215	8.33	-73.8	19.0	0.8
9/19/2005	13:00:28	29.60	55.509	36.69	71.1	4.42	47	48.44	23.225	8.33	-74.1	46.3	-0.2
9/19/2005	13:30:28	29.60	55.520	36.69	72.0	4.48	47	48.39	23.188	8.34	-74.6	76.6	-0.2
9/19/2005	14:00:28	29.54	55.533	36.71	73.2	4.56	47	48.40	23.195	8.35	-75.1	113.8	1.6
9/19/2005	14:30:28	29.54	55.555	36.72	74.1	4.61	47	48.38	23.180	8.36	-75.6	168.7	2.0
9/19/2005	15:00:28	29.55	55.578	36.74	74.7	4.65	47	48.38	23.178	8.35	-75.1	182.9	-0.3
9/19/2005	15:30:28	29.54	55.588	36.75	75.1	4.67	47	48.40	23.197	8.35	-75.1	226.8	2.1
9/19/2005	16:00:28	29.54	55.602	36.76	74.9	4.66	47	48.39	23.190	8.34	-74.7	275.2	-0.2
9/19/2005	16:30:28	29.59	55.599	36.75	75.4	4.69	47	48.40	23.194	8.35	-75.0	307.8	0.2
9/19/2005	17:00:28	29.64	55.602	36.75	77.6	4.82	47	48.47	23.242	8.35	-75.2	370.3	-0.2
9/19/2005	17:30:28	29.66	55.615	36.76	76.4	4.74	47	48.57	23.312	8.35	-74.9	325.5	2.4
9/19/2005	18:00:28	29.66	55.618	36.76	77.5	4.81	47	48.60	23.333	8.34	-74.8	358.0	0.6
9/19/2005	18:30:28	29.68	55.626	36.77	77.0	4.78	47	48.60	23.334	8.34	-74.8	339.6	0.1
9/19/2005	19:00:28	29.67	55.630	36.77	78.5	4.87	47	48.64	23.362	8.35	-75.3	343.4	-0.4
9/19/2005	19:30:28	29.62	55.641	36.78	78.9	4.90	47	48.75	23.437	8.34	-74.4	330.7	0.1
9/19/2005	20:00:28	29.53	55.650	36.79	78.1	4.86	47	48.66	23.373	8.33	-74.2	291.7	-0.7
9/19/2005	20:30:28	29.47	55.645	36.79	78.3	4.87	47	48.72	23.414	8.34	-74.5	244.4	-0.4
9/19/2005	21:00:28	29.42	55.652	36.80	77.6	4.84	47	48.73	23.421	8.33	-74.0	246.6	-0.5
9/19/2005	21:30:28	29.35	55.649	36.80	77.4	4.83	47	48.78	23.455	8.32	-73.6	174.1	2.4
9/19/2005	22:00:28	29.30	55.648	36.80	77.0	4.81	47	48.79	23.457	8.33	-74.0	154.6	-0.4
9/19/2005	22:30:28	29.32	55.648	36.80	74.7	4.67	47	48.71	23.404	8.32	-73.5	51.4	-0.5
9/19/2005	23:00:27	29.32	55.648	36.80	73.6	4.59	47	48.66	23.371	8.32	-73.3	19.9	-0.4
9/19/2005	23:30:28	29.30	55.650	36.80	73.0	4.56	47	48.73	23.418	8.32	-73.3	19.3	-0.5
9/20/2005	0:00:28	29.28	55.663	36.81	71.8	4.48	47	48.72	23.411	8.32	-73.2	8.9	-0.8
9/20/2005	0:30:28	29.28	55.634	36.79	70.9	4.43	46	48.62	23.343	8.32	-73.0	1.8	-0.5
9/20/2005	1:00:28	29.31	55.630	36.79	70.3	4.39	47	48.69	23.392	8.32	-73.1	1.6	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/20/2005	1:30:28	29.32	55.630	36.78	70.0	4.37	47	48.62	23.340	8.32	-73.2	1.7	-0.5
9/20/2005	2:00:28	29.28	55.626	36.78	70.6	4.41	47	48.63	23.349	8.32	-73.4	1.7	-0.2
9/20/2005	2:30:28	29.29	55.623	36.78	69.6	4.35	46	48.59	23.325	8.32	-73.2	1.6	0.4
9/20/2005	3:00:28	29.16	55.638	36.80	68.8	4.31	46	48.55	23.296	8.31	-72.6	1.7	-0.4
9/20/2005	3:30:28	29.00	55.659	36.82	68.7	4.31	46	48.52	23.274	8.30	-72.3	1.7	0.9
9/20/2005	4:00:28	28.96	55.658	36.82	67.9	4.26	46	48.51	23.267	8.30	-72.0	1.8	0.1
9/20/2005	4:30:28	28.93	55.660	36.82	67.1	4.22	46	48.52	23.271	8.29	-71.7	1.7	0.1
9/20/2005	5:00:28	28.94	55.661	36.82	65.8	4.13	46	48.51	23.266	8.29	-71.4	1.7	-0.1
9/20/2005	5:30:28	28.94	55.665	36.82	65.6	4.12	46	48.52	23.273	8.29	-71.3	1.7	0.0
9/20/2005	6:00:28	28.95	55.658	36.82	65.0	4.08	46	48.47	23.236	8.29	-71.2	1.6	-0.8
9/20/2005	6:30:28	28.95	55.664	36.82	62.4	3.92	46	48.50	23.261	8.27	-70.2	1.7	5.5
9/20/2005	7:00:28	28.96	55.667	36.83	61.8	3.88	46	48.50	23.259	8.26	-69.9	1.7	-0.2
9/20/2005	7:30:28	28.97	55.662	36.82	60.5	3.80	46	48.52	23.269	8.26	-69.5	1.7	0.6
9/20/2005	8:00:28	28.97	55.665	36.82	59.8	3.75	46	48.51	23.265	8.25	-69.3	1.8	-0.2
9/20/2005	8:30:28	28.98	55.665	36.82	59.9	3.76	46	48.59	23.319	8.25	-69.3	1.7	0.3
9/20/2005	9:00:28	28.98	55.671	36.83	57.4	3.60	45	48.50	23.254	8.24	-68.5	1.7	-0.2
9/20/2005	9:30:28	29.00	55.666	36.82	57.2	3.59	45	48.52	23.272	8.24	-68.4	1.7	0.1
9/20/2005	10:00:28	29.00	55.665	36.82	55.6	3.49	45	48.50	23.260	8.22	-67.7	1.8	2.1
9/20/2005	10:30:28	29.01	55.666	36.82	54.5	3.42	45	48.44	23.214	8.22	-67.2	1.7	0.2
9/20/2005	11:00:28	29.01	55.666	36.82	52.7	3.31	45	48.44	23.220	8.20	-66.5	1.8	10.3
9/20/2005	11:30:27	29.01	55.668	36.82	53.3	3.34	45	48.41	23.199	8.21	-66.7	1.7	0.1
9/20/2005	12:00:28	29.03	55.679	36.83	49.4	3.10	45	48.37	23.170	8.18	-65.2	3.4	-0.1
9/20/2005	12:30:28	29.04	55.677	36.83	49.5	3.10	45	48.30	23.123	8.18	-65.3	17.0	0.5
9/20/2005	13:00:28	29.12	55.653	36.81	49.8	3.12	45	48.28	23.106	8.19	-65.6	40.9	0.6
9/20/2005	13:30:28	29.43	55.649	36.80	60.3	3.76	46	48.24	23.083	8.29	-71.5	70.2	-0.4
9/20/2005	14:00:28	29.43	55.627	36.78	62.7	3.91	46	48.20	23.055	8.29	-71.5	102.0	1.4
9/20/2005	14:30:28	29.54	55.629	36.78	68.7	4.27	47	48.24	23.083	8.33	-74.0	133.8	1.4
9/20/2005	15:00:28	29.66	55.634	36.78	72.8	4.52	47	48.23	23.079	8.35	-75.4	172.2	-0.5
9/20/2005	15:30:28	29.70	55.635	36.78	74.6	4.63	47	48.23	23.081	8.36	-75.8	202.6	0.5
9/20/2005	16:00:28	29.72	55.634	36.77	76.9	4.77	47	48.26	23.097	8.38	-76.7	228.5	-0.3
9/20/2005	16:30:28	29.70	55.634	36.77	75.5	4.69	47	48.24	23.082	8.36	-75.7	248.6	0.5
9/20/2005	17:00:28	29.72	55.632	36.77	76.9	4.77	47	48.28	23.109	8.36	-75.6	261.5	-0.3
9/20/2005	17:30:28	29.69	55.633	36.77	78.1	4.85	47	48.29	23.121	8.36	-75.9	249.9	-0.4
9/20/2005	18:00:28	29.68	55.619	36.76	76.1	4.72	47	48.38	23.180	8.36	-75.6	265.9	-0.5
9/20/2005	18:30:28	29.67	55.611	36.76	80.4	4.99	47	48.40	23.198	8.37	-76.4	290.1	-0.6
9/20/2005	19:00:28	29.66	55.604	36.75	82.6	5.13	47	48.49	23.259	8.39	-77.5	288.9	0.0
9/20/2005	19:30:28	29.62	55.614	36.76	80.2	4.99	47	48.55	23.301	8.39	-77.6	242.3	0.0
9/20/2005	20:00:28	29.62	55.606	36.76	78.3	4.87	47	48.59	23.324	8.40	-78.1	232.9	-0.5
9/20/2005	20:30:28	29.60	55.604	36.76	76.8	4.78	47	48.58	23.316	8.36	-75.9	203.1	-0.4
9/20/2005	21:00:28	29.55	55.604	36.76	75.9	4.72	47	48.73	23.418	8.36	-75.9	180.6	-0.3
9/20/2005	21:30:28	29.48	55.600	36.76	78.3	4.88	47	48.67	23.381	8.36	-75.4	147.0	0.0
9/20/2005	22:00:28	29.48	55.596	36.75	73.6	4.59	46	48.73	23.418	8.34	-74.7	111.2	-0.3
9/20/2005	22:30:28	29.39	55.597	36.76	72.5	4.52	47	48.79	23.460	8.33	-73.9	76.3	-0.4
9/20/2005	23:00:27	29.36	55.589	36.75	72.7	4.54	46	48.75	23.431	8.33	-73.6	46.1	-0.5
9/20/2005	23:30:28	29.42	55.597	36.76	71.0	4.43	46	48.79	23.465	8.32	-73.3	23.8	-0.4
9/21/2005	0:00:28	29.47	55.603	36.76	69.0	4.30	46	48.78	23.454	8.31	-73.0	7.5	-0.7
9/21/2005	0:30:28	29.50	55.595	36.75	69.0	4.30	46	48.77	23.450	8.31	-72.8	1.9	-0.6
9/21/2005	1:00:28	29.51	55.601	36.76	69.3	4.31	46	48.81	23.478	8.32	-73.1	1.7	-0.4
9/21/2005	1:30:28	29.47	55.597	36.76	69.3	4.31	46	48.71	23.404	8.32	-73.2	1.7	-0.6
9/21/2005	2:00:28	29.43	55.590	36.75	68.6	4.28	46	48.73	23.418	8.31	-72.9	1.7	-0.2
9/21/2005	2:30:28	29.41	55.597	36.76	68.5	4.27	47	48.74	23.429	8.32	-73.1	1.7	-0.7
9/21/2005	3:00:28	29.41	55.598	36.76	67.5	4.21	46	48.71	23.410	8.32	-73.1	1.8	-0.2
9/21/2005	3:30:28	29.41	55.609	36.77	68.0	4.24	46	48.67	23.377	8.32	-73.4	1.6	-0.6
9/21/2005	4:00:28	29.43	55.619	36.77	67.3	4.19	46	48.67	23.381	8.31	-72.9	1.8	-0.4
9/21/2005	4:30:28	29.44	55.616	36.77	66.7	4.16	46	48.61	23.341	8.31	-72.9	1.8	-0.5
9/21/2005	5:00:28	29.45	55.592	36.75	65.4	4.08	46	48.59	23.325	8.30	-72.1	1.8	-0.8
9/21/2005	5:30:28	29.48	55.625	36.78	64.4	4.01	46	48.62	23.343	8.30	-72.0	1.8	-0.4
9/21/2005	6:00:28	29.52	55.620	36.77	65.8	4.10	46	48.60	23.333	8.31	-72.5	1.8	-0.5
9/21/2005	6:30:28	29.50	55.616	36.77	62.9	3.92	46	48.57	23.313	8.29	-71.6	1.7	-0.7
9/21/2005	7:00:28	29.54	55.624	36.77	62.0	3.86	46	48.57	23.309	8.28	-71.1	1.8	5.4
9/21/2005	7:30:28	29.51	55.618	36.77	60.3	3.75	46	48.52	23.277	8.27	-70.6	1.8	-0.8
9/21/2005	8:00:28	29.50	55.605	36.76	61.2	3.81	46	48.43	23.214	8.28	-70.8	1.8	-0.5
9/21/2005	8:30:28	29.50	55.626	36.78	59.5	3.70	46	48.46	23.234	8.27	-70.2	1.8	-0.2
9/21/2005	9:00:28	29.50	55.617	36.77	59.7	3.71	46	48.46	23.237	8.27	-70.3	1.7	-0.1
9/21/2005	9:30:28	29.51	55.617	36.77	58.2	3.62	45	48.43	23.217	8.26	-69.6	1.9	0.1
9/21/2005	10:00:28	29.51	55.613	36.77	57.7	3.59	45	48.32	23.138	8.26	-69.6	1.8	-0.4
9/21/2005	10:30:28	29.56	55.614	36.77	57.2	3.56	45	48.34	23.151	8.25	-69.2	1.9	-0.5
9/21/2005	11:00:28	29.55	55.615	36.77	55.6	3.46	45	48.29	23.120	8.24	-68.8	1.8	21.4
9/21/2005	11:30:27	29.56	55.608	36.76	55.5	3.45	45	48.21	23.066	8.24	-68.7	1.8	-0.5
9/21/2005	12:00:28	29.56	55.626	36.77	55.0	3.42	45	48.20	23.056	8.24	-68.5	2.8	0.0
9/21/2005	12:30:28	29.57	55.624	36.77	54.5	3.39	45	48.12	23.003	8.23	-68.1	12.5	-0.5
9/21/2005	13:00:28	29.59	55.621	36.77	54.0	3.36	45	48.09	22.985	8.23	-67.9	26.3	-0.1

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/21/2005	13:30:28	29.61	55.596	36.75	58.4	3.63	45	48.03	22.941	8.25	-69.5	66.6	-0.4
9/21/2005	14:00:28	29.65	55.536	36.70	67.0	4.17	46	47.96	22.895	8.31	-72.8	93.6	-0.4
9/21/2005	14:30:28	29.64	55.509	36.68	70.0	4.35	46	47.97	22.903	8.33	-73.9	58.0	-0.2
9/21/2005	15:00:28	29.46	55.507	36.69	72.6	4.53	46	47.95	22.888	8.35	-74.8	127.0	-0.4
9/21/2005	15:30:28	29.49	55.497	36.68	76.3	4.75	47	47.95	22.884	8.37	-76.4	165.4	0.1
9/21/2005	16:00:28	29.59	55.516	36.69	75.3	4.68	47	47.92	22.869	8.36	-75.5	182.8	-0.5
9/21/2005	16:30:28	29.63	55.518	36.69	75.6	4.70	47	47.90	22.853	8.35	-75.4	207.6	-0.4
9/21/2005	17:00:28	29.60	55.529	36.70	78.7	4.89	47	47.92	22.867	8.35	-75.4	203.8	-0.4
9/21/2005	17:30:28	29.66	55.551	36.71	77.9	4.84	47	47.99	22.917	8.36	-75.6	225.2	-0.5
9/21/2005	18:00:28	29.72	55.576	36.73	77.2	4.79	47	47.97	22.899	8.36	-75.8	258.9	-0.7
9/21/2005	18:30:28	29.72	55.596	36.75	75.6	4.69	47	48.12	23.004	8.38	-76.7	246.0	-0.5
9/21/2005	19:00:28	29.70	55.610	36.76	75.6	4.69	47	48.17	23.035	8.35	-75.3	180.1	0.6
9/21/2005	19:30:28	29.68	55.599	36.75	78.7	4.89	47	48.11	22.999	8.37	-76.4	214.0	-0.6
9/21/2005	20:00:28	29.66	55.596	36.75	73.3	4.55	46	48.30	23.124	8.36	-75.9	155.0	-0.5
9/21/2005	20:30:28	29.63	55.588	36.74	74.8	4.65	47	48.41	23.200	8.38	-76.7	172.3	2.1
9/21/2005	21:00:28	29.63	55.594	36.75	74.0	4.60	46	48.39	23.190	8.35	-75.3	178.3	-0.6
9/21/2005	21:30:28	29.61	55.586	36.74	72.6	4.51	46	48.45	23.227	8.35	-75.3	152.1	-0.6
9/21/2005	22:00:28	29.50	55.574	36.74	73.2	4.56	47	48.42	23.210	8.35	-74.8	100.5	-0.5
9/21/2005	22:30:28	29.34	55.571	36.74	71.3	4.45	46	48.55	23.300	8.33	-73.9	55.6	-0.3
9/21/2005	23:00:27	29.36	55.571	36.74	70.6	4.41	46	48.67	23.383	8.33	-73.7	45.8	-0.4
9/21/2005	23:30:28	29.36	55.576	36.74	69.4	4.33	46	48.58	23.315	8.32	-73.3	20.8	-0.6
9/22/2005	0:00:28	29.29	55.588	36.75	69.0	4.31	46	48.73	23.422	8.32	-73.1	6.0	-0.5
9/22/2005	0:30:28	29.29	55.559	36.73	68.0	4.25	46	48.82	23.482	8.32	-73.1	1.9	-0.5
9/22/2005	1:00:28	29.31	55.501	36.69	68.2	4.26	46	48.55	23.301	8.32	-73.3	1.8	-0.4
9/22/2005	1:30:28	29.33	55.568	36.74	67.9	4.24	46	48.87	23.519	8.32	-73.2	1.8	8.7
9/22/2005	2:00:28	29.38	55.578	36.74	67.7	4.22	46	48.83	23.487	8.32	-73.4	1.8	-0.5
9/22/2005	2:30:28	29.42	55.580	36.74	67.3	4.20	46	48.85	23.500	8.32	-73.3	1.7	6.7
9/22/2005	3:00:28	29.48	55.570	36.73	67.3	4.19	46	48.86	23.508	8.32	-73.4	1.7	-0.6
9/22/2005	3:30:28	29.52	55.602	36.76	67.3	4.19	46	49.22	23.761	8.32	-73.4	1.7	0.0
9/22/2005	4:00:28	29.56	55.604	36.76	67.1	4.18	46	48.65	23.365	8.32	-73.4	1.7	0.6
9/22/2005	4:30:28	29.61	55.620	36.77	67.2	4.18	46	48.57	23.313	8.32	-73.6	1.7	-0.5
9/22/2005	5:00:28	29.65	55.617	36.76	67.2	4.18	46	49.03	23.628	8.32	-73.7	1.8	0.2
9/22/2005	5:30:28	29.66	55.618	36.76	66.9	4.15	46	48.85	23.508	8.32	-73.5	1.9	-0.4
9/22/2005	6:00:28	29.68	55.609	36.76	66.9	4.15	46	49.39	23.875	8.32	-73.5	1.7	6.5
9/22/2005	6:30:28	29.69	55.608	36.76	66.5	4.13	46	48.87	23.520	8.32	-73.4	1.8	0.3
9/22/2005	7:00:28	29.71	55.586	36.74	66.0	4.10	46	49.95	24.264	8.32	-73.2	1.7	8.3
9/22/2005	7:30:28	29.72	55.604	36.75	65.6	4.07	46	48.46	23.240	8.31	-73.0	1.7	1.9
9/22/2005	8:00:28	29.73	55.610	36.76	64.4	4.00	46	48.75	23.436	8.31	-72.8	1.8	0.7
9/22/2005	8:30:28	29.74	55.576	36.73	62.2	3.86	45	49.16	23.719	8.31	-72.6	1.7	0.6
9/22/2005	9:00:28	29.71	55.554	36.72	62.4	3.87	45	48.11	23.000	8.31	-72.6	1.6	0.7
9/22/2005	9:30:28	29.70	53.613	35.27	56.6	3.54	44	50.00	24.324	8.31	-72.9	1.6	0.6
9/22/2005	10:00:28	29.71	54.685	36.07	56.4	3.51	44	48.28	23.122	8.32	-73.2	1.7	0.4
9/22/2005	10:30:28	29.72	54.995	36.30	56.2	3.50	43	45.68	21.328	8.32	-73.2	1.6	876.0
9/22/2005	11:00:28	29.73	55.439	36.63	54.6	3.39	43	48.76	23.445	8.32	-73.2	1.6	1.6
9/22/2005	11:30:27	29.74	55.422	36.61	37.3	2.31	37	49.62	24.038	8.31	-73.1	1.5	3.7
9/22/2005	12:00:28	29.76	55.364	36.57	37.6	2.34	37	48.62	23.351	8.31	-73.1	2.2	1.0
9/22/2005	12:30:28	29.76	55.277	36.51	37.2	2.31	36	46.78	22.085	8.31	-73.1	7.4	302.7
9/22/2005	13:00:28	29.75	55.348	36.56	37.8	2.35	36	49.45	23.921	8.31	-73.1	17.8	1.7
9/22/2005	13:30:28	29.75	55.330	36.55	38.1	2.37	36	48.58	23.323	8.32	-73.1	33.8	0.1
9/22/2005	14:00:28	29.73	55.233	36.47	37.8	2.35	36	48.08	22.980	8.31	-73.1	56.8	1.4
9/22/2005	14:30:28	29.72	55.284	36.51	39.0	2.42	36	48.15	23.029	8.32	-73.4	79.7	4.8
9/22/2005	15:00:28	29.72	55.208	36.46	39.5	2.45	36	47.33	22.464	8.32	-73.5	128.9	1.5
9/22/2005	15:30:28	29.73	55.280	36.51	39.0	2.42	36	47.27	22.423	8.32	-73.5	195.4	12.4
9/22/2005	16:00:28	29.74	55.277	36.51	38.9	2.42	36	49.59	24.020	8.32	-73.5	188.8	2.4
9/22/2005	16:30:28	29.75	55.279	36.51	39.2	2.43	35	48.44	23.228	8.32	-73.5	252.5	0.0
9/22/2005	17:00:28	29.76	55.323	36.54	39.5	2.45	35	49.12	23.695	8.32	-73.4	213.3	31.9
9/22/2005	17:30:28	29.77	55.328	36.54	39.2	2.43	35	47.63	22.667	8.32	-73.4	319.6	0.3
9/22/2005	18:00:28	29.77	55.327	36.54	39.3	2.44	35	46.68	22.014	8.32	-73.4	265.6	23.2
9/22/2005	18:30:28	29.78	55.272	36.50	39.3	2.44	35	48.71	23.411	8.32	-73.5	229.3	0.2
9/22/2005	19:00:28	29.84	55.085	36.36	39.7	2.46	35	46.08	21.604	8.32	-73.6	332.2	0.0
9/22/2005	19:30:28	29.85	55.068	36.35	38.9	2.42	35	46.70	22.032	8.32	-73.5	279.2	24.2
9/22/2005	20:00:28	29.84	55.117	36.38	47.1	2.93	39	49.19	23.744	8.32	-73.4	240.4	0.3
9/22/2005	20:30:28	29.84	55.010	36.30	41.4	2.57	37	47.40	22.518	8.32	-73.5	216.4	4.4
9/22/2005	21:00:28	29.84	55.210	36.45	34.7	2.15	38	49.07	23.665	8.32	-73.4	209.1	-0.3
9/22/2005	21:30:28	29.83	55.237	36.47	44.3	2.75	41	47.45	22.548	8.32	-73.4	169.7	2.0
9/22/2005	22:00:28	29.82	55.291	36.51	35.1	2.18	39	47.10	22.304	8.32	-73.4	153.6	19.2
9/22/2005	22:30:28	29.79	55.365	36.57	50.7	3.15	44	48.31	23.135	8.32	-73.4	111.3	0.1
9/22/2005	23:00:27	29.75	55.412	36.61	49.8	3.09	51	48.64	23.366	8.32	-73.2	40.8	-0.1
9/22/2005	23:30:28	29.72	55.448	36.64	38.0	2.36	29	47.08	22.287	8.31	-73.1	26.9	0.9
9/23/2005	0:00:28	29.68	55.497	36.67	66.1	4.11	38	49.59	24.013	8.31	-73.0	7.2	64.6
9/23/2005	0:30:28	29.63	55.556	36.72	68.2	4.24	38	51.15	25.088	8.31	-72.9	1.0	0.1
9/23/2005	1:00:28	29.58	55.580	36.74	71.1	4.42	39	49.87	24.205	8.31	-73.0	0.8	1.2

Appendix 5
Water Quality Data

East Flower Garden Bank August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/23/2005	1:30:28	29.55	55.554	36.72	72.6	4.52	39	49.66	24.063	8.31	-72.9	0.8	0.7
9/23/2005	2:00:28	29.50	55.601	36.76	73.6	4.58	39	49.28	23.800	8.31	-73.0	0.8	0.4
9/23/2005	2:30:28	29.47	55.561	36.73	74.5	4.64	40	49.63	24.040	8.31	-73.0	0.8	0.0
9/23/2005	3:00:28	29.46	55.613	36.77	74.8	4.66	39	49.08	23.665	8.31	-72.9	0.8	0.3
9/23/2005	3:30:28	29.45	55.627	36.78	76.1	4.74	40	50.74	24.803	8.31	-72.9	0.8	0.1
9/23/2005	4:00:28	29.42	55.612	36.77	76.0	4.74	40	50.53	24.659	8.31	-72.9	0.8	1.0
9/23/2005	4:30:28	29.39	55.597	36.76	77.2	4.81	40	48.41	23.203	8.31	-72.9	0.8	5.0
9/23/2005	5:00:28	29.36	55.595	36.76	76.9	4.80	40	47.67	22.688	8.31	-72.9	0.9	1260.5
9/23/2005	5:30:28	29.35	55.558	36.73	78.7	4.91	40	47.76	22.756	8.31	-73.0	0.7	8.3
9/23/2005	6:00:28	29.34	55.615	36.77	77.3	4.82	39	49.55	23.981	8.31	-73.0	0.9	0.5
9/23/2005	6:30:28	29.33	55.407	36.62	75.6	4.73	40	49.61	24.028	8.31	-72.9	0.7	1260.3
9/23/2005	7:00:28	29.31	53.677	35.33	80.9	5.09	40	47.55	22.634	8.32	-73.0	0.8	2.7
9/23/2005	7:30:28	29.31	53.680	35.33	78.1	4.91	40	48.58	23.340	8.31	-72.9	0.8	3.0
9/23/2005	8:00:28	29.31	53.525	35.22	79.5	5.01	40	48.77	23.473	8.31	-72.9	0.7	1260.1
9/23/2005	8:30:28	29.30	53.799	35.42	77.5	4.88	40	47.00	22.249	8.31	-72.8	0.7	112.4
9/23/2005	9:00:28	29.27	54.047	35.61	78.1	4.91	40	50.11	24.390	8.30	-72.4	0.8	10.8
9/23/2005	9:30:28	29.25	54.244	35.75	76.7	4.82	40	51.17	25.118	8.31	-72.6	0.9	3.8
9/23/2005	10:00:28	29.21	53.826	35.44	80.1	5.05	40	46.41	21.844	8.31	-72.7	0.6	2.4
9/23/2005	10:30:28	29.16	53.835	35.45	76.2	4.80	40	51.13	25.097	8.30	-72.3	0.8	3.9
9/23/2005	11:00:28	29.15	53.626	35.30	84.7	5.35	40	48.06	22.979	8.31	-72.5	0.3	1.9
9/23/2005	11:30:27	29.14	53.632	35.30	69.1	4.36	39	48.29	23.143	8.30	-71.8	0.5	8.5
9/23/2005	12:00:28	29.14	32.557	20.24	73.0	5.01	39	46.85	22.396	8.26	-69.8	1.1	1258.6
9/23/2005	12:30:28	29.10	39.064	24.76	75.0	5.02	39	49.25	23.986	8.28	-70.6	3.1	1258.1
9/23/2005	13:00:28	29.07	55.346	36.58	94.4	5.92	43	48.72	23.413	8.30	-71.9	5.1	1257.9
9/23/2005	13:30:28	29.01	55.480	36.68	58.3	3.66	35	45.02	20.863	8.30	-72.0	-0.1	88.0
9/23/2005	14:00:28	28.99	55.469	36.68	56.8	3.57	33	47.75	22.748	8.30	-72.1	6.1	1256.7
9/23/2005	14:30:28	29.02	55.549	36.73	127.8	8.02	47	51.72	25.477	8.30	-72.1	29.0	3.9
9/23/2005	15:00:28	29.05	54.805	36.18	56.4	3.55	36	50.61	24.720	8.30	-72.1	7.7	19.7
9/23/2005	15:30:28	29.11	54.651	36.06	48.4	3.05	29	48.02	22.942	8.30	-72.2	12.0	26.1
9/23/2005	16:00:28	29.16	54.833	36.20	128.8	8.09	48	46.60	21.964	8.30	-72.3	4.2	21.3
9/23/2005	16:30:28	29.16	54.789	36.16	117.3	7.36	47	47.79	22.780	8.30	-72.1	13.9	7.9
9/23/2005	17:00:28	29.09	54.827	36.19	112.1	7.05	45	48.01	22.931	8.30	-72.1	9.5	1257.9
9/23/2005	17:30:28	29.04	54.680	36.09	135.5	8.53	49	50.35	24.547	8.30	-72.1	4.6	140.2
9/23/2005	18:00:28	28.96	55.458	36.67	130.1	8.18	48	47.11	22.304	8.30	-72.1	2.2	1256.9
9/23/2005	18:30:28	28.91	55.391	36.62	121.0	7.61	47	49.98	24.281	8.30	-72.2	4.5	10.3
9/23/2005	19:00:28	28.86	55.324	36.57	126.7	7.98	48	51.30	25.188	8.30	-72.1	9.1	12.7
9/23/2005	19:30:28	28.79	55.168	36.46	127.1	8.02	48	47.41	22.512	8.30	-72.2	6.4	3.0
9/23/2005	20:00:28	28.61	55.218	36.50	180.8	11.43	54	44.38	20.426	8.30	-72.0	5.5	1253.4
9/23/2005	20:30:28	28.45	55.246	36.53	126.5	8.02	48	48.61	23.334	8.30	-71.8	7.1	72.9
9/23/2005	21:00:28	28.45	55.143	36.45	141.7	8.99	50	47.92	22.857	8.30	-71.9	6.3	42.1
9/23/2005	21:30:28	28.30	54.929	36.30	87.7	5.58	43	47.80	22.780	8.30	-72.0	3.5	1250.0
9/23/2005	22:00:28	28.22	55.163	36.47	139.0	8.85	50	47.46	22.543	8.30	-71.8	6.3	47.7
9/23/2005	22:30:28	28.23	55.186	36.49	128.6	8.19	48	51.28	25.169	8.30	-72.1	2.3	1249.6
9/23/2005	23:00:27	28.21	55.154	36.47	137.1	8.73	50	48.92	23.549	8.31	-72.2	2.9	3.7
9/23/2005	23:30:28	28.24	55.340	36.60	124.6	7.93	48	48.54	23.281	8.31	-72.3	2.6	1250.0
9/24/2005	0:00:28	28.35	55.427	36.67	146.3	9.28	50	48.87	23.513	8.31	-72.6	0.4	8.1
9/24/2005	0:30:28	28.44	55.130	36.44	147.7	9.37	51	48.60	23.327	8.31	-72.8	1.4	6.4
9/24/2005	1:00:28	28.47	54.829	36.22	132.5	8.41	49	47.69	22.709	8.32	-72.8	1.5	1251.6
9/24/2005	1:30:28	28.50	54.700	36.12	24.1	1.53	8	46.45	21.854	8.32	-72.8	-0.3	7.3
9/24/2005	2:00:28	28.55	54.580	36.03	14.3	0.91	3	51.27	25.177	8.32	-72.9	-0.3	491.5
9/24/2005	2:30:28	28.53	54.347	35.85	65.6	4.17	37	48.79	23.468	8.31	-72.7	0.1	1253.1
9/24/2005	3:00:28	28.57	54.467	35.94	60.0	3.81	35	49.00	23.611	8.31	-72.7	-0.2	3.6
9/24/2005	3:30:28	28.53	54.645	36.08	4.7	0.30	0	47.11	22.313	8.31	-72.5	-0.3	5.1
9/24/2005	4:00:28	28.51	54.587	36.03	26.9	1.71	11	51.53	25.352	8.31	-72.6	-0.3	79.0
9/24/2005	4:30:28	28.56	54.478	35.95	23.0	1.46	9	47.84	22.816	8.31	-72.8	-0.3	1252.9
9/24/2005	5:00:28	28.56	54.253	35.78	52.4	3.33	32	48.17	23.045	8.31	-72.8	-0.1	45.6
9/24/2005	5:30:28	28.54	54.130	35.69	78.6	5.00	39	47.43	22.535	8.31	-72.7	0.1	1253.2
9/24/2005	6:00:28	28.54	51.855	34.01	121.9	7.82	46	48.05	22.991	8.31	-72.6	0.7	2.3
9/24/2005	6:30:28	28.59	54.071	35.65	85.9	5.46	41	46.03	21.572	8.31	-72.8	0.3	2.8
9/24/2005	7:00:28	28.56	53.990	35.59	102.6	6.53	44	48.90	23.553	8.31	-72.8	0.6	1253.6
9/24/2005	7:30:28	28.56	54.066	35.64	114.6	7.29	47	49.65	24.068	8.32	-73.0	0.8	2.4
9/24/2005	8:00:28	28.54	54.150	35.71	128.3	8.16	48	49.38	23.882	8.32	-73.0	1.0	1253.4
9/24/2005	8:30:28	28.46	54.157	35.72	140.2	8.93	50	48.69	23.404	8.32	-72.9	1.0	2.9
9/24/2005	9:00:28	28.46	54.098	35.67	132.9	8.47	49	48.62	23.354	8.32	-73.0	1.2	1252.7
9/24/2005	9:30:28	28.46	54.131	35.70	132.1	8.42	49	47.77	22.772	8.32	-72.9	1.3	2.8
9/24/2005	10:00:28	28.37	54.094	35.67	135.1	8.62	49	48.37	23.180	8.32	-72.9	1.5	1251.8
9/24/2005	10:30:28	28.35	54.134	35.70	131.8	8.41	49	49.23	23.773	8.32	-73.0	1.4	1.8
9/24/2005	11:00:28	28.35	54.111	35.69	133.8	8.54	49	48.94	23.579	8.32	-73.0	1.4	1251.7
9/24/2005	11:30:27	28.31	54.095	35.67	132.8	8.48	49	47.74	22.747	8.32	-72.9	1.2	1.8
9/24/2005	12:00:28	28.30	54.122	35.69	167.4	10.69	53	49.26	23.796	8.32	-72.9	1.8	7.4
9/24/2005	12:30:28	28.33	54.112	35.69	119.1	7.60	47	47.35	22.480	8.32	-72.9	4.1	1.6
9/24/2005	13:00:28	28.34	54.032	35.63	132.6	8.46	49	48.51	23.278	8.32	-72.9	10.0	1251.7

Appendix 5
Water Quality Data

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
9/24/2005	13:30:28	28.32	53.972	35.58	135.1	8.63	49	48.74	23.440	8.32	-72.8	17.9	2.4
9/24/2005	14:00:28	28.22	54.057	35.65	107.7	6.89	45	48.51	23.282	8.31	-72.6	52.2	1250.5
9/24/2005	14:30:28	28.13	54.149	35.72	89.5	5.73	42	49.11	23.688	8.31	-72.7	62.8	2.1
9/24/2005	15:00:28	27.99	54.187	35.75	103.6	6.64	42	48.70	23.409	8.31	-72.4	79.4	2.2
9/24/2005	15:30:28	28.01	54.054	35.65	105.0	6.74	45	48.13	23.013	8.31	-72.6	169.1	1248.7
9/24/2005	16:00:28	28.03	54.013	35.62	108.8	6.98	45	47.96	22.901	8.32	-72.8	102.8	1.8
9/24/2005	16:30:28	27.80	54.107	35.70	101.1	6.51	44	47.96	22.897	8.31	-72.3	189.0	2.0
9/24/2005	17:00:28	27.75	54.154	35.74	118.8	7.65	47	47.93	22.872	8.31	-72.4	202.4	1246.4
9/24/2005	17:30:28	27.51	54.337	35.88	81.5	5.27	40	47.96	22.893	8.31	-72.1	223.3	2.2
9/24/2005	18:00:28	27.63	54.306	35.85	85.6	5.52	41	48.48	23.248	8.31	-72.4	235.3	2.0
9/24/2005	18:30:28	27.71	54.284	35.83	83.6	5.39	40	48.27	23.107	8.32	-72.7	217.3	1245.7
9/24/2005	19:00:28	27.85	54.285	35.83	94.0	6.04	42	48.15	23.026	8.32	-72.8	207.9	2.0
9/24/2005	19:30:28	27.82	54.148	35.73	89.9	5.78	41	48.39	23.192	8.32	-72.8	178.8	1246.9
9/24/2005	20:00:28	27.81	54.116	35.71	89.6	5.77	41	48.18	23.045	8.32	-72.8	140.7	3.1
9/24/2005	20:30:28	27.85	54.062	35.66	83.6	5.38	41	48.28	23.116	8.32	-72.8	119.2	1247.0
9/24/2005	21:00:28	27.89	53.989	35.61	73.9	4.75	39	48.24	23.094	8.32	-72.6	88.0	9.8
9/24/2005	21:30:28	27.99	53.821	35.48	72.3	4.65	38	47.95	22.896	8.30	-72.0	0.2	1248.2
9/24/2005	22:00:28	28.39	53.067	34.91	10.9	0.70	2	47.89	22.863	8.30	-72.1	0.1	5.0
9/24/2005	22:30:28	28.34	53.177	34.99	100.7	6.45	44	48.15	23.045	8.30	-71.8	0.5	8.5
9/24/2005	23:00:27	28.29	53.073	34.92	115.6	7.42	46	48.29	23.140	8.30	-71.8	1.6	5.3
9/24/2005	23:30:28	28.21	53.878	35.52	86.2	5.52	41	48.61	23.351	8.30	-71.7	1.1	1249.1
9/25/2005	0:00:28	28.18	53.589	35.30	11.4	0.73	3	48.66	23.386	8.29	-71.4	0.4	3.6
9/25/2005	0:30:28	28.13	54.085	35.67	17.5	1.12	6	48.42	23.215	8.29	-71.5	0.9	3.9
9/25/2005	1:00:28	28.04	54.201	35.76	101.6	6.51	44	48.37	23.181	8.29	-71.2	0.9	3.7
9/25/2005	1:30:28	27.97	53.832	35.49	122.8	7.89	47	48.88	23.534	8.29	-70.9	2.0	1247.8
9/25/2005	2:00:28	27.94	53.925	35.56	83.0	5.34	41	48.33	23.158	8.28	-70.8	2.0	4.0
9/25/2005	2:30:28	27.89	53.741	35.42	54.2	3.49	33	48.42	23.218	8.28	-70.6	-0.3	3.6
9/25/2005	3:00:28	27.89	53.689	35.39	74.5	4.80	39	48.71	23.417	8.28	-70.6	0.2	1247.3
9/25/2005	3:30:28	27.88	53.916	35.55	118.8	7.64	46	48.89	23.538	8.28	-70.8	2.0	4.3
9/25/2005	4:00:28	27.81	54.054	35.66	97.2	6.26	43	48.88	23.533	8.28	-70.4	1.7	3.6
9/25/2005	4:30:28	27.80	54.178	35.75	71.9	4.63	39	49.16	23.724	8.28	-70.6	1.9	3.4
9/25/2005	5:00:28	27.82	54.129	35.72	111.5	7.18	45	49.37	23.864	8.28	-70.6	1.7	4.1
9/25/2005	5:30:28	27.84	54.201	35.77	90.5	5.82	42	49.05	23.649	8.28	-70.7	1.9	1246.8
9/25/2005	6:00:28	27.88	54.134	35.72	75.4	4.85	39	48.73	23.427	8.28	-70.9	1.9	4.6
9/25/2005	6:30:28	27.88	54.043	35.65	56.4	3.63	33	48.84	23.503	8.28	-70.8	0.1	1247.1
9/25/2005	7:00:28	27.90	54.109	35.70	73.3	4.71	38	48.93	23.568	8.28	-70.7	0.5	3.9
9/25/2005	7:30:28	27.90	54.267	35.82	65.5	4.21	37	49.01	23.615	8.29	-70.9	2.0	3.9
9/25/2005	8:00:28	27.91	54.175	35.75	89.1	5.73	41	49.02	23.624	8.28	-70.9	1.8	4.5
9/25/2005	8:30:28	27.91	54.048	35.65	9.7	0.62	1	48.89	23.537	8.28	-70.7	-0.2	1247.0
9/25/2005	9:00:28	27.72	54.419	35.93	72.2	4.65	38	48.97	23.589	8.28	-70.4	0.3	1245.9
9/25/2005	9:30:28	27.25	54.618	36.10	67.4	4.37	37	48.93	23.554	8.27	-70.1	0.3	3.7
9/25/2005	10:00:28	27.44	54.581	36.06	78.2	5.05	39	48.73	23.416	8.28	-70.3	0.5	1243.4
9/25/2005	10:30:28	27.98	54.627	36.08	105.5	6.76	44	49.05	23.640	8.30	-71.7	1.0	13.3
9/25/2005	11:00:28	28.16	54.663	36.10	112.8	7.21	45	48.84	23.497	8.30	-72.0	1.3	1250.0
9/25/2005	11:30:27	28.21	54.685	36.12	114.4	7.30	45	48.83	23.491	8.30	-72.0	1.2	3.3
9/25/2005	12:00:28	28.28	54.469	35.95	100.2	6.39	43	48.81	23.481	8.30	-72.0	0.9	1251.0
9/25/2005	12:30:28	28.33	54.615	36.06	116.9	7.45	46	48.65	23.369	8.30	-72.0	1.5	3.1
9/25/2005	13:00:28	28.35	54.653	36.09	69.6	4.43	37	48.53	23.288	8.30	-72.0	1.1	1251.5
9/25/2005	13:30:28	28.34	54.481	35.96	8.2	0.52	1	48.72	23.417	8.30	-72.0	2.5	3.1
9/25/2005	14:00:28	28.36	54.425	35.92	75.6	4.82	38	48.77	23.453	8.30	-71.9	1.4	3.0
9/25/2005	14:30:28	28.36	54.501	35.97	90.2	5.74	41	48.38	23.187	8.30	-71.8	3.9	1251.7
9/25/2005	15:00:28	28.38	54.487	35.96	9.8	0.63	2	48.46	23.239	8.30	-71.7	5.5	3.7
9/25/2005	15:30:28	28.41	54.628	36.07	5.9	0.38	1	48.51	23.271	8.30	-71.7	6.1	4.2
9/25/2005	16:00:28	28.40	54.596	36.04	4.7	0.30	1	48.27	23.110	8.29	-71.5	10.6	1252.1
9/25/2005	16:30:28	28.39	54.546	36.01	7.4	0.47	1	48.08	22.982	8.29	-71.5	13.2	2.5
9/25/2005	17:00:28	28.39	54.550	36.01	43.8	2.79	25	48.46	23.238	8.29	-71.5	11.7	1097.9
9/25/2005	17:30:28	28.37	54.701	36.12	65.1	4.14	35	48.29	23.121	8.29	-71.4	22.1	1250.9
9/25/2005	18:00:28	28.19	54.864	36.25	9.8	0.63	2	48.27	23.105	8.28	-70.9	18.6	2.5
9/25/2005	18:30:28	27.64	54.899	36.29	79.1	5.09	39	48.04	22.939	8.27	-69.9	17.6	2.6
9/25/2005	19:00:28	27.62	54.920	36.31	113.0	7.27	45	48.05	22.946	8.28	-70.3	18.6	3.2
9/25/2005	19:30:28	27.92	54.931	36.31	102.6	6.57	44	48.16	23.023	8.29	-71.2	17.2	1247.8
9/25/2005	20:00:28	28.02	54.836	36.24	112.9	7.22	44	47.98	22.904	8.29	-71.2	19.3	3.5
9/25/2005	20:30:28	28.13	54.786	36.19	20.3	1.30	8	47.94	22.876	8.29	-71.4	13.0	2.6
9/25/2005	21:00:28	28.20	54.804	36.21	106.8	6.81	44	48.19	23.047	8.30	-71.6	12.8	2.4
9/25/2005	21:30:28	28.19	54.721	36.14	85.4	5.45	40	47.80	22.784	8.29	-71.5	7.5	2.7
9/25/2005	22:00:28	28.19	54.572	36.03	7.9	0.50	1	48.19	23.054	8.29	-71.4	6.3	2.3
9/25/2005	22:30:28	28.09	54.816	36.22	68.4	4.37	37	48.14	23.016	8.29	-71.0	4.4	1249.1
9/25/2005	23:00:27	28.17	54.667	36.11	22.7	1.45	9	48.22	23.075	8.29	-71.1	2.1	2.9
9/25/2005	23:30:28	28.19	54.575	36.04	60.7	3.87	36	48.38	23.186	8.29	-71.3	1.3	5.1
9/26/2005	0:00:28	28.32	54.380	35.89	66.8	4.26	37	48.43	23.224	8.30	-71.7	0.6	1251.2
9/26/2005	0:30:28	28.26	54.628	36.07	80.5	5.13	40	48.33	23.147	8.30	-71.7	0.5	3.6
9/26/2005	1:00:28	28.24	54.769	36.18	93.2	5.94	42	48.48	23.247	8.30	-71.7	0.8	2.9

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/26/2005	1:30:28	28.24	54.705	36.13	96.6	6.16	43	48.58	23.317	8.30	-71.8	1.5	1249.5
9/26/2005	2:00:28	28.28	54.663	36.10	69.7	4.44	38	48.58	23.319	8.30	-71.8	0.3	3.4
9/26/2005	2:30:28	28.33	54.693	36.12	83.2	5.30	40	48.57	23.311	8.30	-72.0	0.3	3.3
9/26/2005	3:00:28	28.39	54.605	36.05	110.4	7.03	45	48.58	23.325	8.31	-72.3	1.9	3.5
9/26/2005	3:30:28	28.39	54.780	36.18	103.7	6.60	44	48.52	23.282	8.31	-72.3	0.7	3.2
9/26/2005	4:00:28	28.43	54.527	35.99	121.1	7.70	47	48.80	23.476	8.31	-72.4	2.0	3.3
9/26/2005	4:30:28	28.47	54.213	35.76	7.6	0.48	1	48.75	23.442	8.31	-72.3	0.3	2.8
9/26/2005	5:00:28	28.47	54.320	35.84	119.8	7.62	46	48.82	23.493	8.31	-72.4	1.9	3.4
9/26/2005	5:30:28	28.44	54.290	35.82	63.5	4.05	36	48.79	23.473	8.31	-72.3	-0.4	2.5
9/26/2005	6:00:28	28.32	54.293	35.82	5.0	0.32	1	48.92	23.562	8.30	-72.0	0.4	2.8
9/26/2005	6:30:28	28.32	54.572	36.03	22.0	1.40	8	48.89	23.534	8.30	-72.1	1.0	2.4
9/26/2005	7:00:28	28.28	54.566	36.03	21.4	1.36	8	48.77	23.455	8.30	-72.1	1.0	2.8
9/26/2005	7:30:28	28.25	54.422	35.92	3.8	0.24	0	48.90	23.546	8.30	-72.0	0.6	2.3
9/26/2005	8:00:28	28.24	54.604	36.06	5.2	0.33	1	48.88	23.530	8.30	-72.0	1.0	2.6
9/26/2005	8:30:28	28.23	54.396	35.90	3.4	0.21	0	48.79	23.465	8.30	-72.0	0.5	2.0
9/26/2005	9:00:28	28.11	54.494	35.98	4.0	0.26	1	48.77	23.449	8.30	-71.8	0.3	2.4
9/26/2005	9:30:28	28.10	54.705	36.14	56.0	3.58	33	48.78	23.458	8.30	-71.8	-0.4	1248.6
9/26/2005	10:00:28	28.05	54.659	36.10	4.5	0.29	1	48.83	23.491	8.30	-71.6	0.4	2.3
9/26/2005	10:30:28	28.20	54.567	36.03	4.8	0.31	1	48.82	23.484	8.30	-71.8	0.9	2.3
9/26/2005	11:00:28	28.32	54.732	36.15	90.6	5.77	41	48.78	23.456	8.30	-71.9	-0.3	2.0
9/26/2005	11:30:27	28.39	54.859	36.24	72.2	4.59	38	48.70	23.400	8.30	-71.8	0.4	2.1
9/26/2005	12:00:28	28.46	54.807	36.20	86.0	5.46	40	48.75	23.435	8.30	-72.0	0.6	2.0
9/26/2005	12:30:28	28.50	55.023	36.36	113.4	7.19	45	48.79	23.463	8.30	-72.1	2.8	2.0
9/26/2005	13:00:28	28.51	54.980	36.33	117.5	7.45	46	48.67	23.382	8.30	-72.1	7.6	2.2
9/26/2005	13:30:28	28.53	55.008	36.35	119.6	7.58	46	48.57	23.314	8.30	-72.2	13.3	2.3
9/26/2005	14:00:28	28.53	54.937	36.29	99.4	6.30	43	48.64	23.363	8.30	-71.9	19.6	1253.4
9/26/2005	14:30:28	28.55	55.014	36.35	40.7	2.58	25	48.51	23.268	8.30	-71.9	27.9	2.0
9/26/2005	15:00:28	28.31	55.193	36.49	124.1	7.89	47	48.42	23.205	8.29	-71.5	37.0	1251.4
9/26/2005	15:30:28	28.34	55.123	36.44	120.1	7.63	46	48.48	23.243	8.30	-72.0	48.4	1251.5
9/26/2005	16:00:28	28.42	54.952	36.31	8.8	0.56	2	48.39	23.186	8.31	-72.3	45.4	2.2
9/26/2005	16:30:28	28.42	54.946	36.30	57.7	3.66	33	48.30	23.126	8.30	-72.1	58.5	2.0
9/26/2005	17:00:28	28.32	55.059	36.39	97.6	6.21	43	48.30	23.125	8.30	-71.7	69.4	2.1
9/26/2005	17:30:28	28.29	55.108	36.43	11.4	0.72	3	48.21	23.056	8.30	-71.9	87.3	1251.0
9/26/2005	18:00:28	28.00	55.168	36.48	134.8	8.61	49	48.13	23.001	8.29	-71.2	109.0	1.9
9/26/2005	18:30:28	27.96	55.145	36.47	105.3	6.73	44	48.10	22.979	8.29	-71.5	74.3	2.2
9/26/2005	19:00:28	27.90	55.135	36.46	87.7	5.61	41	48.19	23.046	8.29	-71.4	71.5	1.9
9/26/2005	19:30:28	27.97	55.080	36.42	68.5	4.38	37	48.12	22.997	8.30	-71.8	63.6	1246.8
9/26/2005	20:00:28	28.08	55.121	36.45	68.9	4.40	37	48.07	22.961	8.30	-72.0	62.6	13.7
9/26/2005	20:30:28	28.28	55.037	36.38	61.7	3.93	36	48.00	22.917	8.31	-72.4	56.8	2.1
9/26/2005	21:00:28	28.45	55.027	36.36	90.7	5.76	41	47.98	22.906	8.31	-72.6	47.4	2.1
9/26/2005	21:30:28	28.55	55.039	36.37	81.0	5.13	40	48.02	22.930	8.31	-72.8	42.9	2.0
9/26/2005	22:00:28	28.52	55.005	36.35	74.4	4.71	38	48.04	22.944	8.31	-72.6	11.8	2.0
9/26/2005	22:30:28	28.47	55.058	36.39	81.2	5.15	40	48.02	22.934	8.31	-72.4	20.9	2.3
9/26/2005	23:00:27	28.49	55.066	36.39	72.8	4.62	38	48.08	22.973	8.31	-72.6	25.3	2.1
9/26/2005	23:30:28	28.48	55.112	36.43	70.9	4.50	37	48.10	22.987	8.31	-72.6	5.8	2.1
9/27/2005	0:00:28	28.52	55.110	36.42	63.3	4.01	36	48.20	23.052	8.31	-72.7	1.6	1251.9
9/27/2005	0:30:28	28.50	55.103	36.42	100.4	6.37	43	48.11	22.991	8.31	-72.8	-0.2	2.0
9/27/2005	1:00:28	28.39	55.034	36.37	105.4	6.70	44	48.27	23.102	8.31	-72.6	-0.2	1251.0
9/27/2005	1:30:28	28.37	55.068	36.40	134.7	8.56	48	48.29	23.119	8.31	-72.6	-0.1	2.3
9/27/2005	2:00:28	28.35	55.162	36.47	11.0	0.70	2	48.50	23.256	8.31	-72.5	-0.2	1250.4
9/27/2005	2:30:28	28.21	55.182	36.49	8.2	0.52	1	48.37	23.169	8.31	-72.5	0.2	2.5
9/27/2005	3:00:28	28.25	55.188	36.49	13.1	0.83	4	48.50	23.259	8.32	-72.8	0.4	2.0
9/27/2005	3:30:28	28.43	55.159	36.46	13.4	0.85	3	48.68	23.381	8.32	-73.1	0.3	2.2
9/27/2005	4:00:28	28.47	55.122	36.43	12.0	0.76	3	48.62	23.341	8.32	-73.1	1.3	2.3
9/27/2005	4:30:28	28.46	55.119	36.43	9.8	0.62	2	48.66	23.372	8.32	-73.1	0.2	2.0
9/27/2005	5:00:28	28.43	54.986	36.33	96.7	6.14	42	48.69	23.391	8.32	-72.9	-0.3	1251.3
9/27/2005	5:30:28	28.43	54.896	36.27	95.7	6.08	42	48.67	23.379	8.32	-73.1	-0.3	2.1
9/27/2005	6:00:28	28.42	54.868	36.25	116.7	7.42	45	48.66	23.376	8.32	-73.1	-0.2	2.1
9/27/2005	6:30:28	28.44	54.954	36.31	142.8	9.06	49	48.76	23.440	8.32	-73.2	1.7	2.0
9/27/2005	7:00:28	28.41	54.776	36.18	59.6	3.79	33	48.80	23.471	8.32	-73.0	0.1	1.9
9/27/2005	7:30:28	28.25	54.842	36.23	136.9	8.72	48	48.85	23.506	8.31	-72.4	1.5	1250.9
9/27/2005	8:00:28	28.22	54.759	36.17	123.9	7.90	46	48.78	23.454	8.31	-72.1	1.0	2.0
9/27/2005	8:30:28	28.16	54.808	36.21	122.0	7.79	46	48.78	23.458	8.30	-72.0	1.2	1.8
9/27/2005	9:00:28	28.13	54.802	36.21	113.0	7.21	45	48.71	23.405	8.30	-72.1	0.9	2.4
9/27/2005	9:30:28	28.13	54.828	36.23	123.4	7.88	47	48.70	23.397	8.30	-71.8	1.2	2.0
9/27/2005	10:00:28	28.13	54.834	36.23	125.5	8.01	47	48.78	23.451	8.30	-71.8	1.4	2.0
9/27/2005	10:30:28	28.22	54.861	36.25	14.1	0.90	4	48.72	23.416	8.30	-71.8	0.3	1249.1
9/27/2005	11:00:28	28.30	54.741	36.16	133.2	8.48	48	48.80	23.470	8.31	-72.6	1.6	1.9
9/27/2005	11:30:27	28.30	54.761	36.17	11.1	0.71	3	48.69	23.393	8.31	-72.5	1.2	2.3
9/27/2005	12:00:28	28.29	54.890	36.27	56.4	3.59	33	48.72	23.415	8.31	-72.5	0.9	1.8
9/27/2005	12:30:28	28.28	54.794	36.20	61.1	3.89	35	48.59	23.325	8.31	-72.2	5.5	2.1
9/27/2005	13:00:28	28.26	54.851	36.24	64.2	4.09	35	48.63	23.351	8.31	-72.2	11.1	1.8

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/27/2005	13:30:28	28.25	54.743	36.16	69.1	4.40	36	48.56	23.308	8.31	-72.1	25.4	2.2
9/27/2005	14:00:28	28.29	54.732	36.15	72.3	4.60	37	48.60	23.331	8.31	-72.4	54.8	1249.8
9/27/2005	14:30:28	28.34	54.666	36.10	76.7	4.88	38	48.57	23.313	8.31	-72.6	82.3	2.2
9/27/2005	15:00:28	28.33	54.618	36.06	80.3	5.11	38	48.55	23.303	8.31	-72.4	100.1	1250.3
9/27/2005	15:30:28	28.29	54.602	36.05	99.7	6.35	42	48.44	23.225	8.31	-72.4	101.5	2.3
9/27/2005	16:00:28	28.14	54.712	36.14	119.6	7.64	45	48.51	23.272	8.30	-72.0	135.9	2.1
9/27/2005	16:30:28	28.27	54.637	36.08	101.2	6.45	42	48.51	23.272	8.31	-72.4	155.9	2.0
9/27/2005	17:00:28	28.35	54.574	36.03	104.5	6.65	43	48.38	23.185	8.31	-72.6	179.9	2.0
9/27/2005	17:30:28	28.38	54.577	36.03	110.9	7.06	44	48.37	23.178	8.31	-72.7	184.1	1251.0
9/27/2005	18:00:28	28.40	54.658	36.09	119.1	7.58	45	48.29	23.120	8.31	-72.8	200.9	9.4
9/27/2005	18:30:28	28.32	54.522	35.99	102.3	6.52	42	48.29	23.125	8.31	-72.2	191.5	2.5
9/27/2005	19:00:28	28.33	54.563	36.02	116.6	7.43	44	48.19	23.051	8.31	-72.5	188.2	1.9
9/27/2005	19:30:28	28.26	54.509	35.98	99.5	6.35	42	48.20	23.061	8.30	-72.1	177.7	2.1
9/27/2005	20:00:28	28.15	54.570	36.03	90.1	5.76	40	48.17	23.035	8.31	-72.1	131.0	2.1
9/27/2005	20:30:28	28.12	54.656	36.10	70.5	4.51	36	48.15	23.024	8.31	-72.4	138.0	2.0
9/27/2005	21:00:28	27.86	54.917	36.30	76.7	4.92	37	48.11	22.993	8.31	-72.2	131.6	1245.9
9/27/2005	21:30:28	27.75	54.959	36.34	34.2	2.20	15	48.09	22.974	8.31	-72.2	99.5	1244.9
9/27/2005	22:00:28	27.67	54.984	36.36	9.7	0.62	1	48.14	23.010	8.31	-72.3	75.8	1244.2
9/27/2005	22:30:28	27.56	55.080	36.43	14.6	0.94	3	48.17	23.028	8.31	-72.2	49.3	2.2
9/27/2005	23:00:27	27.53	55.050	36.41	23.2	1.49	9	48.09	22.969	8.31	-72.3	29.0	1242.9
9/27/2005	23:30:28	27.48	55.067	36.42	15.0	0.97	4	48.13	22.998	8.31	-72.3	12.8	2.1
9/28/2005	0:00:28	27.34	55.122	36.47	24.0	1.55	9	48.17	23.028	8.31	-72.2	2.4	1241.2
9/28/2005	0:30:28	27.32	55.037	36.41	81.0	5.24	38	48.19	23.037	8.31	-72.2	-0.1	2.1
9/28/2005	1:00:28	27.29	55.101	36.46	8.9	0.58	1	48.21	23.050	8.31	-72.3	0.7	4.6
9/28/2005	1:30:28	27.09	55.126	36.48	38.0	2.47	16	48.29	23.108	8.31	-72.2	1.9	2.7
9/28/2005	2:00:28	27.12	55.023	36.40	127.9	8.29	46	48.31	23.123	8.31	-72.0	1.4	1240.6
9/28/2005	2:30:28	27.47	54.844	36.26	128.3	8.28	47	48.45	23.225	8.31	-72.4	1.5	11.3
9/28/2005	3:00:28	27.90	54.791	36.21	10.6	0.68	1	48.45	23.229	8.31	-72.6	0.5	1246.2
9/28/2005	3:30:28	28.12	54.580	36.04	129.3	8.27	46	48.47	23.242	8.31	-72.6	1.1	2.7
9/28/2005	4:00:28	28.18	54.610	36.06	132.8	8.48	47	48.54	23.290	8.31	-72.5	1.4	1250.2
9/28/2005	4:30:28	28.14	54.594	36.05	128.1	8.19	47	48.58	23.321	8.31	-72.3	1.3	4.2
9/28/2005	5:00:28	27.97	54.692	36.13	59.9	3.83	33	48.61	23.341	8.31	-72.1	1.9	1247.9
9/28/2005	5:30:28	27.95	54.710	36.14	12.0	0.77	2	48.64	23.356	8.31	-72.2	0.5	5.6
9/28/2005	6:00:28	27.98	54.693	36.13	102.1	6.54	43	48.65	23.368	8.31	-72.2	0.8	2.1
9/28/2005	6:30:28	28.03	54.866	36.26	88.0	5.63	40	48.73	23.416	8.30	-72.1	0.1	2.1
9/28/2005	7:00:28	28.06	54.930	36.30	92.7	5.92	41	48.73	23.420	8.30	-72.0	0.0	1248.5
9/28/2005	7:30:28	28.06	54.788	36.20	37.4	2.39	18	48.71	23.403	8.30	-72.1	0.1	2.2
9/28/2005	8:00:28	28.06	54.871	36.26	94.0	6.01	42	48.75	23.432	8.30	-72.1	0.3	1248.9
9/28/2005	8:30:28	28.07	54.812	36.22	88.1	5.63	41	48.74	23.423	8.30	-71.9	0.7	2.2
9/28/2005	9:00:28	28.08	54.826	36.23	88.6	5.66	40	48.74	23.430	8.30	-71.9	0.4	1249.0
9/28/2005	9:30:28	28.10	54.693	36.13	110.3	7.05	44	48.74	23.428	8.30	-71.8	1.5	2.0
9/28/2005	10:00:28	28.18	54.815	36.21	95.7	6.11	42	48.75	23.436	8.30	-71.6	0.8	1.8
9/28/2005	10:30:28	28.23	54.723	36.14	100.8	6.43	43	48.75	23.435	8.30	-71.7	0.7	1250.6
9/28/2005	11:00:28	28.25	54.756	36.17	24.0	1.53	9	48.71	23.412	8.30	-71.8	0.4	2.1
9/28/2005	11:30:27	28.25	54.599	36.05	108.9	6.95	44	48.70	23.403	8.30	-71.7	1.0	2.1
9/28/2005	12:00:28	28.24	54.531	36.00	113.1	7.22	45	48.69	23.394	8.29	-71.4	1.5	1250.7
9/28/2005	12:30:28	28.23	54.537	36.01	10.7	0.68	1	48.68	23.393	8.29	-71.4	5.7	2.1
9/28/2005	13:00:28	28.25	54.478	35.96	24.4	1.56	9	48.68	23.393	8.30	-71.6	8.2	1249.6
9/28/2005	13:30:28	28.28	54.603	36.05	40.9	2.61	19	48.65	23.367	8.30	-71.8	11.9	1249.6
9/28/2005	14:00:28	28.29	54.635	36.08	43.2	2.75	21	48.66	23.377	8.30	-71.8	31.2	1249.8
9/28/2005	14:30:28	28.28	54.712	36.13	70.2	4.47	36	48.66	23.377	8.30	-72.0	14.0	1.8
9/28/2005	15:00:28	28.29	54.650	36.09	53.0	3.38	28	48.63	23.356	8.30	-71.9	58.4	2.0
9/28/2005	15:30:28	28.28	54.624	36.07	13.2	0.84	2	48.62	23.350	8.30	-71.7	54.4	1.9
9/28/2005	16:00:28	28.05	54.718	36.15	10.2	0.65	1	48.61	23.339	8.29	-71.4	45.4	1.8
9/28/2005	16:30:28	27.79	54.816	36.23	14.9	0.96	3	48.58	23.312	8.29	-71.1	98.9	1245.3
9/28/2005	17:00:28	27.79	54.785	36.21	22.4	1.44	8	48.56	23.300	8.29	-71.2	108.8	1.8
9/28/2005	17:30:28	27.94	54.682	36.12	22.5	1.44	8	48.50	23.261	8.30	-71.5	114.3	1246.6
9/28/2005	18:00:28	28.06	54.647	36.09	10.2	0.65	1	48.49	23.257	8.30	-72.0	118.9	2.4
9/28/2005	18:30:28	28.11	54.619	36.07	10.3	0.66	1	48.46	23.240	8.30	-72.0	127.9	2.2
9/28/2005	19:00:28	28.15	54.645	36.09	11.2	0.72	1	48.42	23.210	8.31	-72.1	133.0	2.2
9/28/2005	19:30:28	28.19	54.643	36.09	15.4	0.98	3	48.39	23.189	8.31	-72.2	140.0	2.3
9/28/2005	20:00:28	28.20	54.617	36.07	16.4	1.05	5	48.33	23.149	8.31	-72.5	132.3	1249.3
9/28/2005	20:30:28	28.20	54.709	36.14	12.1	0.77	2	48.29	23.121	8.32	-72.8	52.6	2.1
9/28/2005	21:00:28	28.22	54.771	36.18	19.4	1.24	5	48.26	23.099	8.32	-72.8	106.1	1249.2
9/28/2005	21:30:28	28.31	54.614	36.06	56.5	3.60	32	48.21	23.067	8.32	-73.1	46.5	2.5
9/28/2005	22:00:28	28.37	54.631	36.07	64.3	4.09	33	48.20	23.061	8.32	-73.1	40.1	1250.5
9/28/2005	22:30:28	28.38	54.487	35.96	76.7	4.89	38	48.15	23.028	8.32	-73.2	63.5	2.0
9/28/2005	23:00:27	28.39	54.367	35.87	115.6	7.36	45	48.16	23.034	8.32	-73.2	33.4	1251.3
9/28/2005	23:30:28	28.40	54.561	36.02	119.9	7.63	45	48.18	23.047	8.33	-73.4	15.8	1.9
9/29/2005	0:00:28	28.41	54.455	35.94	127.2	8.10	46	48.14	23.020	8.33	-73.4	3.0	2.1
9/29/2005	0:30:28	28.42	54.747	36.16	118.6	7.54	46	48.17	23.039	8.32	-73.2	0.1	1.8
9/29/2005	1:00:28	28.42	54.516	35.98	103.1	6.56	43	48.24	23.088	8.32	-73.2	0.1	2.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/29/2005	1:30:28	28.42	54.451	35.94	113.9	7.25	44	48.25	23.094	8.32	-73.2	0.1	2.1
9/29/2005	2:00:28	28.42	54.730	36.14	118.6	7.54	45	48.27	23.107	8.32	-73.1	0.3	2.0
9/29/2005	2:30:28	28.44	54.521	35.99	101.8	6.48	42	48.32	23.144	8.32	-73.2	0.1	1251.7
9/29/2005	3:00:28	28.45	54.636	36.07	97.9	6.22	42	48.38	23.184	8.32	-72.9	0.0	36.9
9/29/2005	3:30:28	28.50	54.639	36.07	104.0	6.60	43	48.44	23.227	8.32	-73.2	0.0	2.2
9/29/2005	4:00:28	28.53	54.718	36.13	102.0	6.48	43	48.50	23.265	8.32	-73.1	0.1	1252.5
9/29/2005	4:30:28	28.64	55.130	36.44	112.7	7.13	44	48.53	23.280	8.33	-73.4	0.1	2.0
9/29/2005	5:00:28	28.68	54.982	36.32	108.9	6.89	44	48.57	23.314	8.33	-73.4	0.0	2.1
9/29/2005	5:30:28	28.69	55.069	36.39	118.2	7.47	45	48.63	23.350	8.32	-73.3	0.0	1.8
9/29/2005	6:00:28	28.71	54.782	36.17	119.9	7.59	46	48.64	23.363	8.32	-73.2	0.9	2.2
9/29/2005	6:30:28	28.77	55.242	36.51	104.2	6.57	43	48.67	23.375	8.32	-73.4	-0.1	2.1
9/29/2005	7:00:28	28.80	55.273	36.54	123.7	7.80	46	48.70	23.396	8.32	-73.1	0.4	1.7
9/29/2005	7:30:28	28.89	55.333	36.58	11.9	0.75	1	48.70	23.400	8.31	-72.9	2.0	1.8
9/29/2005	8:00:28	28.85	55.181	36.47	120.7	7.61	46	48.70	23.400	8.31	-72.4	0.3	1.7
9/29/2005	8:30:28	28.79	55.114	36.42	132.5	8.36	47	48.71	23.406	8.32	-73.1	0.1	1.9
9/29/2005	9:00:28	28.71	54.537	35.99	115.4	7.31	45	48.71	23.416	8.32	-72.9	1.1	1255.0
9/29/2005	9:30:28	28.49	54.554	36.01	123.9	7.87	46	48.71	23.410	8.31	-72.3	0.6	2.1
9/29/2005	10:00:28	28.40	54.861	36.24	17.4	1.11	3	48.70	23.398	8.31	-72.3	1.8	1251.7
9/29/2005	10:30:28	28.35	54.758	36.17	112.9	7.19	44	48.71	23.406	8.31	-72.6	0.0	2.5
9/29/2005	11:00:28	28.36	54.648	36.08	128.0	8.15	46	48.70	23.400	8.31	-72.5	0.5	2.3
9/29/2005	11:30:27	28.39	54.735	36.15	123.5	7.86	46	48.68	23.392	8.31	-72.7	0.9	1.8
9/29/2005	12:00:28	28.42	54.480	35.96	112.5	7.16	44	48.70	23.407	8.32	-72.9	1.6	1252.3
9/29/2005	12:30:28	28.41	54.832	36.22	14.9	0.95	2	48.70	23.398	8.32	-73.1	10.0	1.9
9/29/2005	13:00:28	28.38	54.860	36.24	25.5	1.62	9	48.67	23.382	8.32	-72.8	22.5	1251.4
9/29/2005	13:30:28	28.37	54.738	36.15	21.8	1.39	7	48.65	23.369	8.32	-72.9	41.3	1.8
9/29/2005	14:00:28	28.35	54.999	36.35	73.8	4.69	36	48.65	23.366	8.32	-72.9	58.7	2.1
9/29/2005	14:30:28	28.34	54.855	36.24	49.7	3.16	25	48.63	23.355	8.32	-72.9	78.4	1250.9
9/29/2005	15:00:28	28.33	54.855	36.24	49.0	3.12	23	48.65	23.364	8.32	-73.1	98.1	2.0
9/29/2005	15:30:28	28.35	54.826	36.22	55.9	3.55	29	48.64	23.358	8.32	-73.0	109.2	1.8
9/29/2005	16:00:28	28.36	54.798	36.20	56.8	3.62	30	48.61	23.339	8.32	-73.1	125.8	2.1
9/29/2005	16:30:28	28.35	54.709	36.13	49.2	3.13	25	48.60	23.336	8.32	-72.8	142.2	1251.0
9/29/2005	17:00:28	28.34	54.689	36.12	49.4	3.14	23	48.57	23.315	8.31	-72.7	150.6	1222.5
9/29/2005	17:30:28	28.37	54.774	36.18	80.3	5.11	37	48.57	23.312	8.31	-72.8	156.6	3.1
9/29/2005	18:00:28	28.36	54.650	36.09	53.3	3.39	28	48.54	23.296	8.31	-72.5	160.2	1251.0
9/29/2005	18:30:28	28.36	54.615	36.06	55.0	3.50	29	48.51	23.276	8.31	-72.7	156.2	2.2
9/29/2005	19:00:28	28.40	54.594	36.04	65.6	4.18	35	48.47	23.244	8.32	-72.9	145.4	1.8
9/29/2005	19:30:28	28.41	54.632	36.07	73.2	4.65	36	48.42	23.211	8.32	-72.9	136.7	2.0
9/29/2005	20:00:28	28.48	54.651	36.08	87.2	5.54	39	48.39	23.193	8.32	-73.0	131.3	1.7
9/29/2005	20:30:28	28.49	54.658	36.09	79.6	5.06	38	48.33	23.151	8.32	-73.0	124.6	1.8
9/29/2005	21:00:28	28.51	54.636	36.07	58.8	3.73	32	48.29	23.123	8.32	-73.2	111.8	2.0
9/29/2005	21:30:28	28.52	54.697	36.12	83.8	5.32	38	48.28	23.113	8.32	-73.3	100.0	1252.3
9/29/2005	22:00:28	28.53	54.702	36.12	71.0	4.50	36	48.25	23.092	8.32	-73.4	72.6	2.4
9/29/2005	22:30:28	28.53	54.724	36.14	70.4	4.47	36	48.21	23.070	8.32	-73.1	40.6	1.8
9/29/2005	23:00:27	28.53	54.637	36.07	73.3	4.66	37	48.19	23.056	8.32	-73.2	30.6	1.9
9/29/2005	23:30:28	28.53	54.656	36.08	79.0	5.02	38	48.18	23.045	8.32	-73.1	11.5	1.8
9/30/2005	0:00:28	28.57	54.745	36.15	108.0	6.85	43	48.17	23.041	8.32	-73.2	2.3	2.4
9/30/2005	0:30:28	28.61	54.628	36.06	64.4	4.08	35	48.21	23.065	8.32	-72.9	1.6	1253.2
9/30/2005	1:00:28	28.63	54.637	36.07	69.3	4.39	36	48.20	23.064	8.32	-72.9	1.5	10.9
9/30/2005	1:30:28	28.64	54.617	36.05	73.6	4.67	37	48.24	23.088	8.31	-72.6	1.3	2.0
9/30/2005	2:00:28	28.64	54.797	36.19	102.9	6.52	42	48.26	23.100	8.30	-72.0	0.8	2.3
9/30/2005	2:30:28	28.64	54.812	36.20	95.7	6.06	41	48.29	23.119	8.30	-72.0	0.9	1.9
9/30/2005	3:00:28	28.64	54.579	36.02	69.1	4.38	37	48.34	23.159	8.29	-71.7	1.4	1253.3
9/30/2005	3:30:28	28.57	54.714	36.13	90.0	5.71	41	48.36	23.172	8.30	-71.7	0.9	2.0
9/30/2005	4:00:28	28.54	54.727	36.14	94.9	6.02	42	48.43	23.216	8.31	-72.3	0.9	2.3
9/30/2005	4:30:28	28.55	54.660	36.09	84.7	5.37	40	48.47	23.247	8.30	-71.9	1.0	1.8
9/30/2005	5:00:28	28.56	54.656	36.08	83.7	5.31	40	48.51	23.271	8.29	-71.5	1.0	1252.5
9/30/2005	5:30:28	28.63	54.609	36.05	79.3	5.03	39	48.53	23.292	8.30	-71.8	1.2	2.4
9/30/2005	6:00:28	28.78	54.536	35.99	82.4	5.22	39	48.56	23.312	8.31	-72.6	1.3	1.9
9/30/2005	6:30:28	28.81	54.496	35.96	92.8	5.87	41	48.58	23.325	8.32	-73.1	1.0	2.3
9/30/2005	7:00:28	28.80	54.584	36.02	109.4	6.92	44	48.60	23.340	8.32	-73.0	0.5	2.0
9/30/2005	7:30:28	28.80	54.608	36.04	96.6	6.11	41	48.61	23.346	8.32	-73.2	0.8	1254.5
9/30/2005	8:00:28	28.70	54.727	36.13	21.3	1.35	5	48.61	23.345	8.31	-72.6	1.4	2.3
9/30/2005	8:30:28	28.70	54.671	36.09	24.4	1.55	8	48.60	23.336	8.31	-72.8	1.2	1254.6
9/30/2005	9:00:28	28.66	54.651	36.08	126.9	8.04	46	48.66	23.376	8.31	-72.5	0.2	2.1
9/30/2005	9:30:28	28.60	54.739	36.14	92.3	5.85	40	48.61	23.343	8.31	-72.4	0.2	2.0
9/30/2005	10:00:28	28.65	54.627	36.06	123.9	7.85	46	48.64	23.362	8.31	-72.6	0.2	1253.2
9/30/2005	10:30:28	28.70	54.620	36.05	20.5	1.30	5	48.61	23.344	8.31	-72.6	1.5	2.2
9/30/2005	11:00:28	28.72	54.520	35.98	112.9	7.15	44	48.61	23.343	8.31	-72.6	0.5	2.4
9/30/2005	11:30:27	28.72	54.568	36.01	105.7	6.69	43	48.68	23.396	8.30	-72.2	0.2	1254.0
9/30/2005	12:00:28	28.67	54.541	35.99	127.9	8.10	46	48.65	23.370	8.30	-72.2	0.3	2.2
9/30/2005	12:30:28	28.65	54.585	36.03	132.8	8.42	46	48.60	23.340	8.30	-72.1	2.1	2.4
9/30/2005	13:00:28	28.64	54.615	36.05	131.8	8.35	46	48.55	23.305	8.30	-72.0	5.8	1253.3

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/30/2005	13:30:28	28.64	54.622	36.06	129.1	8.19	46	48.54	23.294	8.30	-72.0	10.9	2.4
9/30/2005	14:00:28	28.62	54.619	36.05	125.9	7.98	45	48.65	23.370	8.30	-71.8	17.2	1253.1
9/30/2005	14:30:28	28.64	54.648	36.08	22.7	1.44	6	48.62	23.351	8.30	-72.0	19.1	10.4
9/30/2005	15:00:28	28.62	54.616	36.05	127.6	8.09	45	48.64	23.365	8.30	-71.8	34.9	2.2
9/30/2005	15:30:28	28.60	54.586	36.03	124.3	7.88	45	48.59	23.332	8.30	-71.8	35.6	2.3
9/30/2005	16:00:28	28.58	54.637	36.07	45.6	2.90	21	48.59	23.329	8.30	-71.8	48.4	1253.2
9/30/2005	16:30:28	28.56	54.552	36.01	122.9	7.80	45	48.58	23.321	8.30	-71.7	55.7	2.8
9/30/2005	17:00:28	28.55	54.570	36.02	113.9	7.23	43	48.58	23.323	8.30	-71.7	60.8	2.5
9/30/2005	17:30:28	28.53	54.599	36.04	79.6	5.05	37	48.54	23.292	8.30	-71.8	66.5	2.6
9/30/2005	18:00:28	28.51	54.633	36.07	44.6	2.83	19	48.52	23.283	8.30	-71.8	66.2	1253.1
9/30/2005	18:30:28	28.50	54.587	36.03	43.9	2.79	19	48.52	23.279	8.30	-71.8	53.6	2.5
9/30/2005	19:00:28	28.48	54.638	36.07	26.3	1.67	8	48.51	23.276	8.30	-71.9	64.5	1253.1
9/30/2005	19:30:28	28.49	54.614	36.05	20.6	1.31	5	48.47	23.247	8.30	-71.8	59.1	2.3
9/30/2005	20:00:28	28.49	54.610	36.05	19.7	1.25	5	48.46	23.243	8.30	-71.7	53.1	3.0
9/30/2005	20:30:28	28.50	54.606	36.05	24.9	1.58	9	48.43	23.219	8.29	-71.7	45.6	2.9
9/30/2005	21:00:28	28.50	54.606	36.05	24.5	1.56	7	48.38	23.188	8.29	-71.5	39.1	1253.2
9/30/2005	21:30:28	28.51	54.599	36.04	19.2	1.22	4	48.34	23.155	8.29	-71.4	31.0	9.0
9/30/2005	22:00:28	28.51	54.597	36.04	20.8	1.32	5	48.33	23.147	8.28	-71.0	24.6	1253.3
9/30/2005	22:30:28	28.52	54.582	36.03	21.4	1.36	5	48.33	23.152	8.29	-71.1	16.5	1253.4
9/30/2005	23:00:27	28.53	54.570	36.02	59.8	3.80	33	48.28	23.115	8.27	-70.4	7.8	2.3
9/30/2005	23:30:28	28.54	54.576	36.03	21.1	1.34	5	48.27	23.111	8.28	-70.5	5.7	2.8
10/1/2005	0:00:28	28.53	54.577	36.03	19.1	1.21	4	48.24	23.092	8.26	-69.3	2.1	2.9
10/1/2005	0:30:28	28.54	54.581	36.03	50.2	3.19	30	48.24	23.089	8.26	-69.5	0.7	2.8
10/1/2005	1:00:28	28.55	54.556	36.01	102.5	6.51	43	48.22	23.077	8.26	-69.5	0.3	2.5
10/1/2005	1:30:28	28.58	54.487	35.96	96.5	6.13	42	48.25	23.098	8.24	-68.5	0.4	1252.7
10/1/2005	2:00:28	28.58	54.469	35.94	53.2	3.38	33	48.27	23.113	8.25	-68.8	2.1	2.2
10/1/2005	2:30:28	28.61	54.493	35.96	85.1	5.40	40	48.30	23.133	8.24	-68.5	0.7	2.6
10/1/2005	3:00:28	28.63	54.481	35.95	83.7	5.31	40	48.30	23.130	8.23	-67.8	0.6	1253.0
10/1/2005	3:30:28	28.65	54.491	35.96	92.7	5.88	42	48.35	23.167	8.24	-68.5	0.4	2.8
10/1/2005	4:00:28	28.66	54.458	35.93	80.6	5.11	40	48.41	23.206	8.23	-67.9	0.8	2.9
10/1/2005	4:30:28	28.75	54.432	35.91	96.6	6.11	42	48.45	23.236	8.26	-69.9	0.4	1254.0
10/1/2005	5:00:28	28.73	54.473	35.94	54.7	3.47	33	48.47	23.253	8.25	-69.3	0.6	2.3
10/1/2005	5:30:28	28.80	54.413	35.90	48.0	3.04	26	48.49	23.267	8.29	-71.7	2.2	2.5
10/1/2005	6:00:28	28.80	54.427	35.91	45.0	2.85	22	48.51	23.279	8.30	-71.8	2.0	2.6
10/1/2005	6:30:28	28.77	54.342	35.84	35.0	2.22	14	48.56	23.317	8.29	-71.7	1.9	2.5
10/1/2005	7:00:28	28.78	54.448	35.92	60.9	3.85	33	48.56	23.312	8.29	-71.7	1.9	1255.7
10/1/2005	7:30:28	28.77	54.451	35.92	64.6	4.09	33	48.58	23.324	8.29	-71.5	0.5	2.6
10/1/2005	8:00:28	28.70	54.458	35.93	110.8	7.02	43	48.58	23.323	8.29	-71.5	0.6	1253.6
10/1/2005	8:30:28	28.67	54.444	35.92	99.8	6.32	42	48.62	23.351	8.29	-71.4	0.8	2.7
10/1/2005	9:00:28	28.65	54.446	35.92	97.1	6.16	41	48.58	23.329	8.29	-71.3	0.9	3.1
10/1/2005	9:30:28	28.64	54.421	35.91	83.8	5.32	39	48.58	23.329	8.29	-71.2	1.2	3.1
10/1/2005	10:00:28	28.61	54.476	35.95	90.6	5.75	40	48.60	23.336	8.29	-71.3	1.0	2.9
10/1/2005	10:30:28	28.61	54.474	35.95	94.4	5.99	41	48.58	23.324	8.29	-71.3	1.0	3.2
10/1/2005	11:00:28	28.64	54.424	35.91	92.1	5.84	41	48.60	23.339	8.29	-71.4	1.0	2.9
10/1/2005	11:30:27	28.67	54.453	35.93	92.8	5.88	40	48.61	23.348	8.29	-71.5	1.2	3.1
10/1/2005	12:00:28	28.65	54.476	35.95	113.3	7.19	44	48.58	23.323	8.29	-71.4	0.8	2.9
10/1/2005	12:30:28	28.62	54.476	35.95	110.3	7.00	43	48.58	23.326	8.29	-71.3	2.8	3.0
10/1/2005	13:00:28	28.58	54.513	35.98	124.6	7.91	45	48.59	23.331	8.29	-71.1	5.6	3.3
10/1/2005	13:30:28	28.55	54.438	35.92	96.4	6.12	41	48.60	23.337	8.28	-71.0	14.1	1252.5
10/1/2005	14:00:28	28.47	54.438	35.92	102.6	6.53	42	48.58	23.322	8.28	-70.8	15.6	1251.6
10/1/2005	14:30:28	28.46	54.449	35.93	106.1	6.75	42	48.60	23.338	8.28	-70.8	26.0	3.4
10/1/2005	15:00:28	28.45	54.472	35.95	101.1	6.43	42	48.58	23.325	8.28	-70.6	31.4	3.9
10/1/2005	15:30:28	28.49	54.475	35.95	106.7	6.78	43	48.61	23.346	8.28	-70.8	41.0	1251.7
10/1/2005	16:00:28	28.52	54.492	35.96	123.2	7.83	45	48.64	23.366	8.28	-70.9	47.4	4.3
10/1/2005	16:30:28	28.50	54.541	36.00	25.0	1.59	6	48.61	23.343	8.28	-70.9	59.4	4.3
10/1/2005	17:00:28	28.50	54.479	35.95	115.2	7.33	44	48.67	23.384	8.28	-70.9	65.0	4.1
10/1/2005	17:30:28	28.51	54.483	35.96	115.4	7.33	44	48.61	23.347	8.28	-70.9	70.5	1251.8
10/1/2005	18:00:28	28.51	54.501	35.97	121.3	7.71	45	48.70	23.405	8.28	-70.9	72.8	5.1
10/1/2005	18:30:28	28.51	54.492	35.96	113.7	7.22	44	48.64	23.364	8.28	-70.7	77.3	1251.9
10/1/2005	19:00:28	28.53	54.545	36.00	114.1	7.24	44	48.65	23.374	8.28	-70.8	80.5	5.6
10/1/2005	19:30:28	28.55	54.558	36.01	29.0	1.84	9	48.62	23.352	8.28	-70.8	26.0	1253.7
10/1/2005	20:00:28	28.57	54.502	35.97	116.6	7.40	44	48.65	23.374	8.28	-70.9	57.7	6.2
10/1/2005	20:30:28	28.58	54.505	35.97	117.2	7.44	44	48.58	23.324	8.28	-70.9	19.7	1252.5
10/1/2005	21:00:28	28.57	54.559	36.01	111.0	7.05	43	48.58	23.321	8.27	-70.3	41.3	6.4
10/1/2005	21:30:28	28.58	54.509	35.97	113.2	7.18	44	48.52	23.282	8.27	-70.3	33.9	5.2
10/1/2005	22:00:28	28.58	54.502	35.97	112.8	7.16	44	48.49	23.265	8.27	-70.4	17.0	1252.6
10/1/2005	22:30:28	28.58	54.558	36.01	23.5	1.49	5	48.50	23.271	8.25	-69.3	17.1	6.3
10/1/2005	23:00:27	28.59	54.554	36.01	35.4	2.25	15	48.45	23.233	8.26	-69.6	12.2	10.1
10/1/2005	23:30:28	28.59	54.538	36.00	53.9	3.42	30	48.39	23.192	8.26	-69.7	5.3	4.7
10/2/2005	0:00:28	28.59	54.526	35.99	102.6	6.51	42	48.44	23.227	8.26	-69.8	2.8	70.0
10/2/2005	0:30:28	28.61	54.581	36.03	110.7	7.02	44	48.42	23.216	8.26	-69.3	1.9	3.4
10/2/2005	1:00:28	28.69	54.443	35.92	29.9	1.90	10	48.31	23.138	8.27	-70.0	0.6	3.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/2/2005	1:30:28	28.71	54.412	35.90	120.7	7.65	45	48.27	23.111	8.28	-70.7	1.7	5.4
10/2/2005	2:00:28	28.76	54.376	35.87	37.8	2.39	13	48.31	23.141	8.28	-71.0	0.5	4.5
10/2/2005	2:30:28	28.71	54.449	35.92	46.1	2.92	18	48.43	23.227	8.29	-71.2	0.9	3.8
10/2/2005	3:00:28	28.73	54.377	35.87	47.2	2.99	19	48.42	23.214	8.28	-71.0	0.8	4.0
10/2/2005	3:30:28	28.71	54.367	35.86	44.4	2.81	17	48.36	23.178	8.28	-70.9	0.9	8.3
10/2/2005	4:00:28	28.70	54.375	35.87	70.7	4.48	33	48.43	23.221	8.28	-71.1	0.9	1254.3
10/2/2005	4:30:28	28.69	54.459	35.93	44.5	2.82	16	48.47	23.253	8.28	-70.9	1.0	4.0
10/2/2005	5:00:28	28.69	54.428	35.91	50.7	3.21	21	48.38	23.187	8.29	-71.1	0.9	18.1
10/2/2005	5:30:28	28.68	54.424	35.91	54.6	3.46	23	48.49	23.262	8.29	-71.2	0.7	4.7
10/2/2005	6:00:28	28.64	54.540	36.00	100.9	6.40	40	48.44	23.229	8.29	-71.4	1.3	4.0
10/2/2005	6:30:28	28.59	54.575	36.02	133.7	8.48	45	48.57	23.315	8.29	-71.2	1.9	5.0
10/2/2005	7:00:28	28.58	54.606	36.05	87.5	5.55	38	48.47	23.249	8.29	-71.4	2.3	6.6
10/2/2005	7:30:28	28.55	54.610	36.05	130.3	8.27	44	48.50	23.269	8.29	-71.3	2.1	1253.4
10/2/2005	8:00:28	28.49	54.657	36.09	118.8	7.55	43	48.59	23.332	8.28	-70.9	2.2	4.5
10/2/2005	8:30:28	28.40	54.709	36.13	49.9	3.17	21	48.60	23.335	8.28	-70.6	0.8	4.5
10/2/2005	9:00:28	28.22	54.877	36.26	131.3	8.37	44	48.52	23.272	8.28	-70.5	1.9	1250.3
10/2/2005	9:30:28	28.19	54.815	36.21	132.5	8.46	44	48.50	23.260	8.29	-71.1	1.6	4.8
10/2/2005	10:00:28	28.18	54.821	36.22	125.3	7.99	43	48.51	23.270	8.29	-71.1	2.1	8.0
10/2/2005	10:30:28	28.16	54.865	36.25	132.7	8.47	44	48.53	23.284	8.29	-71.2	1.8	3.4
10/2/2005	11:00:28	28.17	54.862	36.25	128.4	8.19	44	48.48	23.248	8.29	-71.2	1.9	1249.9
10/2/2005	11:30:27	28.17	54.847	36.24	122.1	7.79	44	48.57	23.308	8.28	-70.7	1.9	4.2
10/2/2005	12:00:28	28.19	54.862	36.25	134.9	8.60	46	48.45	23.229	8.28	-70.7	1.8	5.7
10/2/2005	12:30:28	28.17	54.984	36.34	133.8	8.53	46	48.29	23.118	8.29	-71.2	7.1	8.4
10/2/2005	13:00:28	28.15	54.938	36.31	144.5	9.22	46	48.61	23.338	8.29	-71.0	23.3	1249.3
10/2/2005	13:30:28	28.08	54.976	36.34	44.3	2.83	12	48.44	23.220	8.28	-70.9	44.2	7.5
10/2/2005	14:00:28	28.02	55.061	36.40	29.9	1.91	6	48.49	23.250	8.29	-71.0	81.7	1247.9
10/2/2005	14:30:28	27.99	55.085	36.42	32.8	2.09	7	48.36	23.162	8.28	-70.9	84.0	7.2
10/2/2005	15:00:28	27.96	55.031	36.38	135.6	8.68	45	48.46	23.230	8.29	-71.0	108.7	6.8
10/2/2005	15:30:28	27.94	55.068	36.41	84.7	5.42	36	48.34	23.147	8.29	-71.2	128.4	12.6
10/2/2005	16:00:28	27.95	55.088	36.43	128.9	8.25	43	48.34	23.146	8.29	-71.3	168.3	1248.0
10/2/2005	16:30:28	27.99	55.112	36.44	91.7	5.86	38	48.46	23.232	8.29	-71.4	100.4	9.4
10/2/2005	17:00:28	28.07	55.102	36.43	118.8	7.58	42	48.49	23.248	8.30	-71.7	197.1	10.2
10/2/2005	17:30:28	28.14	55.124	36.45	134.9	8.60	44	48.61	23.333	8.30	-71.8	220.9	1249.6
10/2/2005	18:00:28	28.27	55.174	36.48	104.8	6.67	39	48.44	23.216	8.31	-72.2	251.6	10.1
10/2/2005	18:30:28	28.28	55.212	36.51	79.7	5.07	33	48.39	23.183	8.31	-72.3	216.2	1251.2
10/2/2005	19:00:28	28.29	55.290	36.57	98.1	6.24	38	48.53	23.277	8.31	-72.3	199.9	6.5
10/2/2005	19:30:28	28.31	55.246	36.53	69.8	4.44	30	48.51	23.264	8.30	-72.1	193.7	9.7
10/2/2005	20:00:28	28.32	55.289	36.56	136.7	8.69	43	48.23	23.073	8.30	-72.0	175.3	39.4
10/2/2005	20:30:28	28.33	55.213	36.51	124.3	7.90	42	48.47	23.240	8.30	-71.9	149.4	19.1
10/2/2005	21:00:28	28.34	55.177	36.48	143.5	9.12	49	48.48	23.248	8.30	-71.7	113.4	8.7
10/2/2005	21:30:28	28.34	55.165	36.47	21.7	1.38	3	48.29	23.112	8.29	-71.2	104.7	7.7
10/2/2005	22:00:28	28.33	55.233	36.52	19.0	1.21	5	48.42	23.204	8.29	-71.1	50.0	9.5
10/2/2005	22:30:28	28.34	55.225	36.52	119.8	7.61	44	48.52	23.274	8.29	-71.4	26.6	9.7
10/2/2005	23:00:27	28.34	55.149	36.46	19.2	1.22	3	48.22	23.070	8.28	-71.0	20.8	7.9
10/2/2005	23:30:28	28.34	55.125	36.44	118.2	7.52	47	48.37	23.170	8.28	-70.9	11.4	1251.6
10/3/2005	0:00:28	28.36	55.210	36.50	107.5	6.83	42	48.29	23.112	8.28	-70.8	3.4	9.5
10/3/2005	0:30:28	28.72	55.273	36.54	122.3	7.72	42	48.11	22.989	8.30	-71.7	2.1	10.8
10/3/2005	1:00:28	29.13	55.309	36.55	135.7	8.51	43	48.08	22.972	8.31	-72.7	0.6	7.5
10/3/2005	1:30:28	29.22	55.266	36.52	98.9	6.19	42	48.26	23.099	8.31	-72.5	0.2	7.3
10/3/2005	2:00:28	29.28	55.545	36.72	33.2	2.07	6	48.58	23.316	8.31	-72.7	2.1	1260.3
10/3/2005	2:30:28	29.34	55.604	36.77	64.8	4.05	25	48.19	23.045	8.31	-72.8	1.9	8.0
10/3/2005	3:00:28	29.38	55.532	36.71	91.0	5.68	35	48.80	23.469	8.31	-72.8	1.6	1261.0
10/3/2005	3:30:28	29.39	55.543	36.72	40.5	2.53	11	48.51	23.271	8.31	-72.7	2.1	8.3
10/3/2005	4:00:28	29.41	55.589	36.75	83.6	5.22	35	48.27	23.107	8.31	-72.7	2.0	8.8
10/3/2005	4:30:28	29.43	55.571	36.74	57.3	3.57	21	48.31	23.131	8.31	-72.7	2.0	1261.7
10/3/2005	5:00:28	29.43	55.611	36.77	110.4	6.88	39	48.29	23.119	8.31	-72.7	2.1	1261.7
10/3/2005	5:30:28	29.44	55.630	36.78	86.0	5.36	33	48.45	23.226	8.31	-72.7	1.9	8.5
10/3/2005	6:00:28	29.45	55.622	36.78	80.5	5.02	33	48.65	23.368	8.31	-72.8	2.0	10.5
10/3/2005	6:30:28	29.44	55.612	36.77	72.1	4.49	30	48.40	23.191	8.31	-72.8	2.0	1261.7
10/3/2005	7:00:28	29.44	55.594	36.75	50.3	3.14	15	48.80	23.466	8.31	-72.9	1.9	19.5
10/3/2005	7:30:28	29.43	55.656	36.80	75.1	4.68	33	48.71	23.404	8.31	-72.9	1.8	16.2
10/3/2005	8:00:28	29.41	55.550	36.72	137.0	8.54	43	48.61	23.336	8.31	-72.7	1.6	1261.1
10/3/2005	8:30:28	29.40	55.605	36.76	86.0	5.36	35	48.32	23.138	8.31	-72.8	2.1	11.1
10/3/2005	9:00:28	29.30	55.546	36.72	107.6	6.72	38	48.51	23.271	8.31	-72.7	2.1	11.0
10/3/2005	9:30:28	29.19	55.524	36.71	134.2	8.40	42	48.33	23.143	8.31	-72.4	2.1	1259.4
10/3/2005	10:00:28	29.18	55.492	36.69	64.4	4.04	29	48.63	23.350	8.30	-72.3	2.1	9.0
10/3/2005	10:30:28	29.22	55.493	36.69	40.2	2.51	11	48.12	23.000	8.31	-72.6	-0.1	11.3
10/3/2005	11:00:28	29.25	55.457	36.66	136.4	8.53	43	48.52	23.278	8.31	-72.9	1.5	9.0
10/3/2005	11:30:27	29.27	55.488	36.68	152.5	9.54	44	48.88	23.526	8.31	-73.0	0.3	8.1
10/3/2005	12:00:28	29.20	55.516	36.70	28.3	1.77	4	48.52	23.279	8.31	-72.8	2.7	7.8
10/3/2005	12:30:28	29.14	55.579	36.75	75.8	4.75	33	48.14	23.011	8.31	-72.5	14.0	1259.0
10/3/2005	13:00:28	29.17	55.510	36.70	50.4	3.15	15	48.37	23.172	8.31	-72.7	33.0	22.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/3/2005	13:30:28	29.20	55.493	36.69	96.8	6.06	36	48.73	23.423	8.31	-72.8	58.6	1259.5
10/3/2005	14:00:28	29.22	55.412	36.63	86.7	5.43	33	48.67	23.376	8.32	-73.0	103.8	1259.5
10/3/2005	14:30:28	29.26	55.361	36.59	136.3	8.53	42	48.12	23.003	8.32	-73.0	136.8	22.0
10/3/2005	15:00:28	29.23	55.322	36.56	121.8	7.63	41	48.93	23.559	8.31	-72.9	213.4	1259.4
10/3/2005	15:30:28	29.27	55.324	36.56	119.0	7.45	40	48.37	23.173	8.32	-73.1	213.1	26.7
10/3/2005	16:00:28	29.24	55.314	36.55	132.0	8.26	43	48.96	23.578	8.31	-72.9	310.7	1259.2
10/3/2005	16:30:28	29.14	55.327	36.56	122.5	7.68	41	48.54	23.290	8.31	-72.8	153.0	36.5
10/3/2005	17:00:28	29.15	55.317	36.56	136.9	8.58	43	48.83	23.489	8.31	-72.9	268.3	25.0
10/3/2005	17:30:28	29.16	55.399	36.62	30.2	1.90	6	48.34	23.152	8.31	-72.7	309.4	34.6
10/3/2005	18:00:28	29.20	55.340	36.57	119.6	7.49	41	47.95	22.886	8.32	-73.1	317.7	24.0
10/3/2005	18:30:28	29.15	55.347	36.58	117.0	7.33	41	48.51	23.269	8.31	-72.8	301.1	1258.7
10/3/2005	19:00:28	29.04	55.361	36.59	110.4	6.93	40	48.49	23.257	8.31	-72.8	318.6	26.6
10/3/2005	19:30:28	28.76	55.279	36.54	119.5	7.54	41	48.31	23.130	8.31	-72.5	247.6	1255.1
10/3/2005	20:00:28	28.67	55.232	36.51	94.3	5.96	37	48.48	23.246	8.31	-72.4	251.5	26.7
10/3/2005	20:30:28	28.54	55.265	36.54	136.0	8.61	43	48.86	23.505	8.31	-72.3	123.4	37.0
10/3/2005	21:00:28	28.54	55.246	36.52	135.1	8.55	43	47.87	22.825	8.31	-72.2	175.7	20.7
10/3/2005	21:30:28	28.29	55.241	36.53	138.9	8.83	43	48.60	23.330	8.30	-72.0	129.8	35.8
10/3/2005	22:00:28	28.26	55.228	36.52	92.9	5.91	37	48.66	23.367	8.31	-72.1	79.8	1250.5
10/3/2005	22:30:28	28.22	55.272	36.55	131.5	8.37	43	48.90	23.532	8.30	-72.1	79.7	30.4
10/3/2005	23:00:27	28.23	55.187	36.49	121.0	7.70	42	49.06	23.641	8.31	-72.4	54.3	50.4
10/3/2005	23:30:28	28.16	55.328	36.60	109.2	6.96	40	48.25	23.081	8.31	-72.4	12.1	1249.2
10/4/2005	0:00:28	28.19	55.368	36.63	27.4	1.74	7	48.59	23.315	8.31	-72.4	2.9	35.9
10/4/2005	0:30:28	28.26	55.336	36.60	132.5	8.43	43	48.74	23.422	8.32	-72.9	1.4	47.1
10/4/2005	1:00:28	28.45	55.354	36.61	122.1	7.74	43	48.30	23.122	8.32	-73.0	1.5	36.3
10/4/2005	1:30:28	28.83	55.434	36.66	15.0	0.94	3	49.05	23.639	8.32	-73.3	0.7	1255.3
10/4/2005	2:00:28	29.12	55.464	36.67	133.7	8.38	43	49.06	23.648	8.33	-73.5	1.2	33.3
10/4/2005	2:30:28	29.28	55.496	36.69	115.9	7.25	40	48.53	23.283	8.32	-73.5	1.9	1259.8
10/4/2005	3:00:28	29.29	55.494	36.68	127.1	7.95	41	48.26	23.095	8.32	-73.3	1.1	35.4
10/4/2005	3:30:28	29.31	55.491	36.68	106.5	6.66	38	48.14	23.012	8.32	-73.3	2.0	37.5
10/4/2005	4:00:28	29.28	55.478	36.67	133.4	8.34	42	48.20	23.056	8.32	-73.4	1.4	33.8
10/4/2005	4:30:28	29.32	55.464	36.66	132.9	8.30	42	48.94	23.564	8.32	-73.4	0.8	31.1
10/4/2005	5:00:28	29.35	55.475	36.67	128.8	8.04	41	47.75	22.748	8.32	-73.2	0.6	1259.9
10/4/2005	5:30:28	29.36	55.447	36.65	132.3	8.26	42	48.14	23.018	8.32	-73.2	1.3	37.7
10/4/2005	6:00:28	29.34	55.414	36.62	129.8	8.11	42	48.21	23.068	8.32	-73.3	1.5	1260.3
10/4/2005	6:30:28	29.30	55.462	36.66	100.8	6.30	37	49.03	23.630	8.32	-73.2	0.3	42.2
10/4/2005	7:00:28	29.32	55.446	36.65	118.8	7.42	40	48.62	23.343	8.32	-73.1	1.7	32.4
10/4/2005	7:30:28	29.31	55.463	36.66	118.9	7.43	39	48.52	23.275	8.32	-73.2	1.1	40.2
10/4/2005	8:00:28	29.28	55.447	36.65	127.6	7.98	41	48.38	23.180	8.32	-73.1	1.4	51.5
10/4/2005	8:30:28	29.20	55.433	36.64	136.7	8.56	42	48.39	23.185	8.32	-73.0	1.0	1258.7
10/4/2005	9:00:28	29.16	55.404	36.62	132.2	8.28	42	48.90	23.539	8.32	-73.1	1.5	42.1
10/4/2005	9:30:28	29.10	55.498	36.69	23.5	1.47	3	48.18	23.040	8.31	-72.8	0.4	49.3
10/4/2005	10:00:28	29.07	55.326	36.57	134.1	8.42	42	48.16	23.030	8.32	-73.1	1.1	1257.5
10/4/2005	10:30:28	29.08	55.305	36.55	132.3	8.30	42	48.43	23.215	8.32	-73.1	1.2	39.1
10/4/2005	11:00:28	29.15	55.496	36.69	34.9	2.18	8	48.73	23.418	8.32	-73.2	0.9	1258.3
10/4/2005	11:30:27	29.15	55.397	36.62	116.9	7.32	39	47.67	22.694	8.32	-73.2	0.4	20.5
10/4/2005	12:00:28	29.14	55.500	36.69	38.2	2.39	9	48.32	23.136	8.32	-73.2	1.7	1258.4
10/4/2005	12:30:28	29.15	55.456	36.66	104.9	6.57	37	48.07	22.962	8.32	-73.1	12.4	23.1
10/4/2005	13:00:28	29.17	55.425	36.64	128.7	8.06	40	48.06	22.961	8.32	-73.3	20.8	1257.9
10/4/2005	13:30:28	29.14	55.347	36.58	128.7	8.07	42	48.07	22.968	8.32	-73.1	54.6	19.1
10/4/2005	14:00:28	29.05	55.304	36.55	131.3	8.25	42	48.23	23.077	8.32	-73.1	94.5	1257.3
10/4/2005	14:30:28	29.03	55.349	36.59	137.8	8.65	43	47.93	22.872	8.32	-73.1	74.1	20.9
10/4/2005	15:00:28	29.07	55.325	36.57	133.1	8.35	42	48.43	23.212	8.32	-73.2	124.6	1257.7
10/4/2005	15:30:28	29.11	55.368	36.60	124.7	7.82	40	47.67	22.689	8.32	-73.3	208.2	20.2
10/4/2005	16:00:28	29.08	55.296	36.54	130.4	8.19	42	48.22	23.070	8.32	-73.2	133.0	20.2
10/4/2005	16:30:28	29.01	55.362	36.60	118.6	7.45	40	47.82	22.793	8.32	-73.1	302.9	1256.7
10/4/2005	17:00:28	28.91	55.339	36.58	72.2	4.54	32	48.34	23.152	8.32	-73.1	324.6	9.4
10/4/2005	17:30:28	28.89	55.382	36.62	121.8	7.66	40	48.31	23.129	8.32	-73.0	355.9	10.0
10/4/2005	18:00:28	28.82	55.323	36.57	133.8	8.43	43	48.53	23.283	8.32	-73.0	323.6	1255.3
10/4/2005	18:30:28	28.77	55.316	36.57	130.8	8.25	42	48.56	23.300	8.32	-73.0	298.9	1255.0
10/4/2005	19:00:28	28.59	55.299	36.56	131.1	8.29	42	48.63	23.346	8.31	-72.8	309.3	9.5
10/4/2005	19:30:28	28.43	55.341	36.60	100.2	6.35	37	48.17	23.027	8.31	-72.4	117.7	1252.3
10/4/2005	20:00:28	28.55	55.335	36.59	124.9	7.90	41	48.01	22.924	8.31	-72.8	102.7	11.7
10/4/2005	20:30:28	28.48	55.315	36.58	133.3	8.45	43	48.80	23.466	8.32	-72.8	268.0	10.4
10/4/2005	21:00:28	28.44	55.257	36.54	128.6	8.15	42	48.54	23.289	8.31	-72.6	103.3	1251.8
10/4/2005	21:30:28	28.37	55.309	36.58	24.0	1.52	7	48.30	23.123	8.31	-72.4	85.3	10.7
10/4/2005	22:00:28	28.32	55.323	36.59	16.0	1.01	3	48.56	23.299	8.31	-72.3	54.6	1250.6
10/4/2005	22:30:28	28.32	55.299	36.57	118.6	7.54	41	48.17	23.030	8.31	-72.4	64.3	1250.6
10/4/2005	23:00:27	28.37	55.356	36.61	22.1	1.40	7	48.58	23.310	8.31	-72.3	40.2	15.3
10/4/2005	23:30:28	28.42	55.330	36.59	113.9	7.22	39	48.50	23.260	8.31	-72.4	18.3	228.5
10/5/2005	0:00:28	28.48	55.355	36.61	101.4	6.43	38	49.23	23.762	8.31	-72.4	3.5	15.8
10/5/2005	0:30:28	28.58	55.343	36.60	112.4	7.11	40	48.04	22.942	8.31	-72.4	1.6	55.0
10/5/2005	1:00:28	28.66	55.380	36.62	28.0	1.77	7	48.39	23.181	8.30	-72.2	0.6	1253.9

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/5/2005	1:30:28	28.82	55.335	36.58	68.1	4.29	32	48.67	23.378	8.31	-72.4	1.3	1255.5
10/5/2005	2:00:28	28.98	55.421	36.64	118.8	7.46	40	49.01	23.610	8.32	-73.1	2.2	18.6
10/5/2005	2:30:28	29.11	55.429	36.64	126.9	7.96	41	48.35	23.159	8.32	-73.5	2.1	1258.7
10/5/2005	3:00:28	29.12	55.423	36.64	117.2	7.35	40	48.59	23.323	8.32	-73.4	2.0	17.9
10/5/2005	3:30:28	29.12	55.500	36.70	41.5	2.60	13	48.46	23.232	8.32	-73.1	0.4	16.5
10/5/2005	4:00:28	29.12	55.397	36.62	87.4	5.48	35	48.18	23.045	8.32	-73.0	1.7	1258.6
10/5/2005	4:30:28	29.11	55.402	36.62	140.2	8.79	42	48.34	23.155	8.33	-73.7	1.1	1258.1
10/5/2005	5:00:28	29.11	55.344	36.58	106.6	6.68	38	48.41	23.204	8.32	-73.5	2.0	13.3
10/5/2005	5:30:28	29.11	55.363	36.59	114.3	7.17	39	48.68	23.387	8.32	-73.2	1.5	1258.1
10/5/2005	6:00:28	29.11	55.401	36.62	117.1	7.34	40	48.43	23.211	8.32	-73.2	1.6	11.9
10/5/2005	6:30:28	29.11	55.329	36.57	120.9	7.58	40	48.75	23.434	8.32	-73.4	1.7	1258.2
10/5/2005	7:00:28	29.10	55.296	36.54	130.2	8.17	42	48.44	23.224	8.33	-73.5	1.2	16.9
10/5/2005	7:30:28	29.10	55.355	36.59	126.4	7.93	41	48.56	23.303	8.32	-73.5	0.9	1257.7
10/5/2005	8:00:28	29.09	55.462	36.67	24.7	1.55	5	48.63	23.348	8.33	-73.5	0.6	29.1
10/5/2005	8:30:28	29.10	55.237	36.50	130.0	8.16	42	48.64	23.362	8.32	-73.5	1.1	14.9
10/5/2005	9:00:28	29.10	55.320	36.56	130.3	8.17	42	48.49	23.253	8.32	-73.5	1.3	1257.9
10/5/2005	9:30:28	29.10	55.323	36.56	131.6	8.26	42	48.43	23.216	8.32	-73.5	1.2	11.9
10/5/2005	10:00:28	29.10	55.213	36.48	129.7	8.14	42	48.75	23.438	8.33	-73.8	1.0	31.8
10/5/2005	10:30:28	29.10	55.266	36.52	133.7	8.39	42	48.59	23.329	8.33	-73.7	1.3	18.3
10/5/2005	11:00:28	29.11	55.173	36.45	132.3	8.30	43	48.46	23.237	8.33	-73.7	1.2	14.4
10/5/2005	11:30:27	29.11	55.168	36.45	129.2	8.11	42	48.11	23.000	8.32	-73.5	1.2	12.8
10/5/2005	12:00:28	29.10	55.369	36.60	131.7	8.26	42	48.01	22.925	8.33	-73.7	1.9	47.2
10/5/2005	12:30:28	29.09	55.472	36.68	20.8	1.30	3	48.45	23.225	8.33	-73.7	13.1	45.6
10/5/2005	13:00:28	29.05	55.365	36.60	109.0	6.84	38	48.17	23.037	8.33	-73.7	39.0	1257.0
10/5/2005	13:30:28	28.98	55.416	36.64	32.5	2.05	8	48.07	22.965	8.32	-73.5	49.9	13.8
10/5/2005	14:00:28	28.92	55.364	36.60	132.2	8.31	42	48.53	23.285	8.33	-73.9	135.3	12.6
10/5/2005	14:30:28	28.80	55.332	36.58	133.2	8.39	42	48.56	23.301	8.33	-73.7	153.2	1255.3
10/5/2005	15:00:28	28.84	55.349	36.59	125.0	7.87	41	47.98	22.900	8.33	-73.5	68.4	13.6
10/5/2005	15:30:28	28.88	55.331	36.58	130.2	8.20	42	48.71	23.407	8.33	-73.9	230.1	1255.9
10/5/2005	16:00:28	28.74	55.319	36.57	130.9	8.26	42	48.67	23.376	8.32	-73.3	116.3	14.6
10/5/2005	16:30:28	28.72	55.407	36.64	24.0	1.51	4	48.16	23.026	8.33	-73.9	256.2	16.2
10/5/2005	17:00:28	28.91	55.316	36.57	121.5	7.65	41	48.29	23.116	8.34	-74.3	291.8	15.8
10/5/2005	17:30:28	29.08	55.278	36.53	125.6	7.89	42	48.35	23.157	8.35	-74.7	353.8	1257.5
10/5/2005	18:00:28	29.08	55.348	36.58	125.0	7.84	42	48.58	23.317	8.34	-74.2	305.6	30.2
10/5/2005	18:30:28	29.10	55.292	36.54	92.5	5.80	37	48.49	23.260	8.35	-75.2	364.5	1258.3
10/5/2005	19:00:28	29.12	55.297	36.54	116.4	7.30	41	48.92	23.549	8.34	-74.6	340.5	23.3
10/5/2005	19:30:28	29.14	55.290	36.54	111.3	6.98	40	48.32	23.138	8.35	-74.8	299.3	13.8
10/5/2005	20:00:28	29.14	55.250	36.51	117.2	7.35	41	48.40	23.195	8.34	-74.7	208.2	1258.6
10/5/2005	20:30:28	29.14	55.304	36.55	128.6	8.07	43	48.21	23.063	8.33	-73.6	108.4	1258.3
10/5/2005	21:00:28	29.15	55.307	36.55	121.8	7.63	42	49.26	23.788	8.32	-73.4	94.8	17.1
10/5/2005	21:30:28	29.16	55.343	36.58	128.7	8.07	43	48.96	23.577	8.33	-74.1	175.1	14.3
10/5/2005	22:00:28	29.15	55.236	36.50	121.5	7.62	42	48.82	23.482	8.32	-73.2	40.9	1258.6
10/5/2005	22:30:28	29.15	55.256	36.51	57.7	3.62	29	48.70	23.403	8.32	-73.5	82.9	15.0
10/5/2005	23:00:27	29.15	55.204	36.47	14.9	0.93	3	49.05	23.644	8.32	-73.2	49.5	13.4
10/5/2005	23:30:28	29.16	55.245	36.50	111.0	6.96	40	48.82	23.482	8.31	-72.9	19.3	14.5
10/6/2005	0:00:28	29.17	55.193	36.46	110.5	6.93	40	49.08	23.668	8.32	-73.1	3.0	1258.9
10/6/2005	0:30:28	29.18	55.206	36.47	121.6	7.63	42	48.85	23.504	8.31	-72.9	1.3	1258.7
10/6/2005	1:00:28	29.18	55.176	36.45	103.7	6.50	40	49.06	23.649	8.31	-72.6	1.8	16.5
10/6/2005	1:30:28	29.19	55.278	36.53	111.8	7.00	40	48.62	23.345	8.31	-72.8	2.1	16.1
10/6/2005	2:00:28	29.20	55.298	36.54	110.3	6.91	40	48.73	23.424	8.31	-72.7	2.1	16.1
10/6/2005	2:30:28	29.20	55.297	36.54	66.7	4.18	32	48.69	23.395	8.31	-72.6	1.4	1259.0
10/6/2005	3:00:28	29.20	55.320	36.56	115.9	7.26	41	48.54	23.290	8.30	-72.3	2.1	15.8
10/6/2005	3:30:28	29.20	55.291	36.54	110.5	6.92	40	48.60	23.332	8.31	-72.4	2.2	14.2
10/6/2005	4:00:28	29.20	55.294	36.54	106.3	6.66	39	48.82	23.487	8.32	-73.2	1.7	14.2
10/6/2005	4:30:28	29.20	55.280	36.53	121.5	7.61	41	48.94	23.566	8.32	-73.5	2.0	1259.4
10/6/2005	5:00:28	29.19	55.203	36.47	109.7	6.87	39	48.82	23.484	8.32	-73.5	1.9	15.2
10/6/2005	5:30:28	29.19	55.202	36.47	118.5	7.43	41	48.58	23.319	8.32	-73.3	1.6	1258.8
10/6/2005	6:00:28	29.17	55.150	36.43	123.6	7.75	41	48.82	23.487	8.32	-73.5	0.9	1258.3
10/6/2005	6:30:28	29.17	55.222	36.49	118.3	7.41	40	48.91	23.544	8.33	-73.6	0.6	18.3
10/6/2005	7:00:28	29.17	55.180	36.45	126.9	7.96	41	48.49	23.260	8.33	-73.6	1.0	17.1
10/6/2005	7:30:28	29.17	55.168	36.45	123.1	7.72	41	48.46	23.242	8.32	-73.5	0.9	1258.2
10/6/2005	8:00:28	29.16	55.172	36.45	120.4	7.55	41	48.51	23.271	8.33	-73.7	0.9	27.4
10/6/2005	8:30:28	29.15	55.249	36.51	125.6	7.88	41	48.20	23.056	8.32	-73.4	0.8	1257.9
10/6/2005	9:00:28	29.15	55.373	36.60	76.2	4.78	33	48.54	23.293	8.32	-73.4	1.4	17.8
10/6/2005	9:30:28	29.14	55.231	36.49	92.3	5.79	36	48.17	23.036	8.32	-73.4	1.7	1258.7
10/6/2005	10:00:28	29.13	55.240	36.50	104.6	6.56	38	48.49	23.256	8.32	-73.4	1.9	18.5
10/6/2005	10:30:28	29.12	55.236	36.50	104.4	6.55	38	48.37	23.177	8.32	-73.2	2.0	18.7
10/6/2005	11:00:28	29.10	55.270	36.52	80.1	5.03	33	48.33	23.146	8.32	-73.4	1.6	17.9
10/6/2005	11:30:27	29.09	55.390	36.61	29.5	1.85	7	48.43	23.218	8.32	-73.2	1.0	1257.8
10/6/2005	12:00:28	29.09	55.261	36.52	20.0	1.26	4	48.19	23.053	8.32	-73.3	1.1	18.8
10/6/2005	12:30:28	29.09	55.370	36.60	67.2	4.21	30	48.11	22.994	8.32	-73.4	12.9	1257.9
10/6/2005	13:00:28	29.07	55.367	36.60	58.9	3.69	26	47.88	22.836	8.33	-73.5	38.7	18.8

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/6/2005	13:30:28	29.06	55.201	36.47	45.3	2.85	16	47.91	22.861	8.33	-74.0	65.0	1257.5
10/6/2005	14:00:28	29.06	55.245	36.51	40.1	2.52	12	48.18	23.042	8.34	-74.5	102.9	20.5
10/6/2005	14:30:28	29.06	55.265	36.52	42.0	2.64	13	48.18	23.044	8.35	-74.8	130.5	21.7
10/6/2005	15:00:28	29.07	55.379	36.61	86.5	5.43	35	48.29	23.122	8.35	-74.9	164.9	25.5
10/6/2005	15:30:28	29.10	55.199	36.47	48.5	3.04	18	48.07	22.965	8.35	-75.3	226.4	19.6
10/6/2005	16:00:28	29.12	55.172	36.45	23.8	1.50	6	48.24	23.083	8.36	-75.6	257.8	20.4
10/6/2005	16:30:28	29.12	55.205	36.47	20.9	1.31	4	47.86	22.826	8.34	-74.3	94.9	20.9
10/6/2005	17:00:28	29.16	55.237	36.50	22.5	1.41	5	48.02	22.937	8.36	-75.5	302.4	21.6
10/6/2005	17:30:28	29.17	55.337	36.57	30.2	1.90	9	47.83	22.802	8.35	-75.0	117.0	20.0
10/6/2005	18:00:28	29.18	55.244	36.50	67.9	4.26	32	47.96	22.896	8.35	-75.1	296.9	21.3
10/6/2005	18:30:28	29.20	55.262	36.51	70.4	4.41	32	47.98	22.910	8.36	-75.3	270.9	1258.1
10/6/2005	19:00:28	29.22	55.156	36.43	57.0	3.57	28	48.00	22.923	8.38	-76.7	270.8	20.6
10/6/2005	19:30:28	29.24	55.217	36.48	93.6	5.86	38	48.03	22.942	8.37	-76.2	225.0	1258.5
10/6/2005	20:00:28	29.25	55.223	36.48	119.4	7.48	42	48.19	23.050	8.37	-76.4	238.2	20.3
10/6/2005	20:30:28	29.26	55.273	36.52	15.5	0.97	3	48.43	23.217	8.35	-74.9	105.4	21.0
10/6/2005	21:00:28	29.26	55.285	36.53	16.7	1.04	3	48.69	23.394	8.35	-75.0	183.6	1259.2
10/6/2005	21:30:28	29.27	55.294	36.54	19.5	1.22	5	48.68	23.387	8.34	-74.6	136.3	22.2
10/6/2005	22:00:28	29.25	55.246	36.50	21.4	1.34	6	48.73	23.422	8.34	-74.5	106.6	21.4
10/6/2005	22:30:28	29.21	55.243	36.50	32.1	2.01	12	48.63	23.354	8.33	-74.0	73.5	20.8
10/6/2005	23:00:27	29.17	55.263	36.52	34.8	2.18	13	48.91	23.550	8.32	-73.4	38.7	1258.6
10/6/2005	23:30:28	29.16	55.231	36.49	26.5	1.66	9	48.75	23.434	8.32	-73.1	14.6	22.0
10/7/2005	0:00:28	29.15	55.239	36.50	31.7	1.99	12	48.67	23.381	8.31	-72.9	2.0	1258.4
10/7/2005	0:30:28	29.15	55.292	36.54	50.2	3.15	23	48.95	23.575	8.32	-73.1	1.0	24.1
10/7/2005	1:00:28	29.15	55.264	36.52	49.2	3.08	25	48.73	23.424	8.31	-72.9	1.1	21.6
10/7/2005	1:30:28	29.16	55.276	36.53	57.0	3.57	29	48.78	23.457	8.31	-72.9	1.3	1258.6
10/7/2005	2:00:28	29.16	55.296	36.54	52.7	3.30	26	49.01	23.616	8.31	-72.8	1.1	19.4
10/7/2005	2:30:28	29.16	55.247	36.50	55.0	3.45	29	48.89	23.530	8.31	-72.7	1.2	16.8
10/7/2005	3:00:28	29.17	55.297	36.54	53.1	3.33	28	48.72	23.413	8.30	-72.3	1.3	17.6
10/7/2005	3:30:28	29.17	55.292	36.54	77.0	4.82	36	48.90	23.541	8.30	-72.1	1.7	17.9
10/7/2005	4:00:28	29.17	55.351	36.58	79.7	4.99	36	48.96	23.578	8.29	-71.4	1.1	17.5
10/7/2005	4:30:28	29.18	55.353	36.58	36.8	2.30	16	48.79	23.462	8.29	-71.4	0.9	17.3
10/7/2005	5:00:28	29.18	55.352	36.58	34.4	2.15	14	48.66	23.372	8.28	-71.0	1.0	1258.6
10/7/2005	5:30:28	29.19	55.245	36.50	31.9	2.00	12	48.86	23.511	8.29	-71.2	1.0	16.6
10/7/2005	6:00:28	29.19	55.330	36.57	19.2	1.20	4	48.80	23.468	8.28	-70.9	0.7	18.4
10/7/2005	6:30:28	29.21	55.300	36.54	32.2	2.02	11	48.72	23.413	8.32	-73.3	1.2	18.8
10/7/2005	7:00:28	29.21	55.279	36.53	54.5	3.41	26	48.69	23.395	8.32	-73.4	1.2	18.2
10/7/2005	7:30:28	29.20	55.369	36.59	26.5	1.66	8	48.71	23.404	8.33	-73.6	0.7	19.4
10/7/2005	8:00:28	29.19	55.417	36.63	103.7	6.49	40	48.69	23.391	8.32	-73.5	1.9	1259.4
10/7/2005	8:30:28	29.19	55.393	36.61	122.3	7.66	43	48.61	23.340	8.32	-73.5	2.2	18.1
10/7/2005	9:00:28	29.19	55.367	36.59	121.3	7.60	43	48.39	23.185	8.33	-73.7	2.3	17.6
10/7/2005	9:30:28	29.19	55.303	36.55	114.5	7.17	42	48.58	23.317	8.32	-73.5	2.1	1259.5
10/7/2005	10:00:28	29.17	55.291	36.54	112.9	7.07	42	48.60	23.330	8.33	-73.8	2.1	18.0
10/7/2005	10:30:28	29.17	55.374	36.60	126.6	7.93	44	48.48	23.248	8.33	-73.8	2.2	1259.2
10/7/2005	11:00:28	29.16	55.285	36.53	118.8	7.45	42	48.48	23.249	8.33	-73.7	2.1	18.1
10/7/2005	11:30:27	29.16	55.292	36.54	121.9	7.64	43	48.36	23.171	8.33	-73.5	2.1	20.4
10/7/2005	12:00:28	29.15	55.289	36.54	116.5	7.30	42	48.33	23.148	8.32	-73.5	2.3	19.1
10/7/2005	12:30:28	29.14	55.294	36.54	120.9	7.58	43	48.42	23.212	8.33	-73.9	11.7	18.6
10/7/2005	13:00:28	29.13	55.332	36.57	130.5	8.18	44	48.07	22.968	8.33	-74.1	25.4	1258.7
10/7/2005	13:30:28	29.13	55.316	36.56	127.7	8.01	44	48.13	23.012	8.34	-74.5	62.3	21.8
10/7/2005	14:00:28	29.14	55.311	36.55	116.3	7.29	42	48.15	23.025	8.36	-75.4	90.2	1259.0
10/7/2005	14:30:28	29.13	55.355	36.59	132.8	8.33	44	47.73	22.732	8.36	-75.6	128.9	20.2
10/7/2005	15:00:28	29.15	55.311	36.55	121.2	7.60	43	47.94	22.881	8.37	-76.0	171.7	19.2
10/7/2005	15:30:28	29.15	55.304	36.55	106.3	6.66	40	47.91	22.858	8.35	-75.0	190.8	19.7
10/7/2005	16:00:28	29.16	55.265	36.52	98.3	6.17	39	47.90	22.851	8.38	-76.5	234.9	20.3
10/7/2005	16:30:28	29.14	55.334	36.57	129.2	8.10	44	47.79	22.776	8.34	-74.6	101.1	21.4
10/7/2005	17:00:28	29.16	55.295	36.54	125.8	7.89	44	47.99	22.912	8.36	-75.9	289.3	21.6
10/7/2005	17:30:28	29.15	55.313	36.55	120.2	7.53	43	47.89	22.847	8.37	-76.0	155.1	20.6
10/7/2005	18:00:28	29.14	55.351	36.58	129.2	8.10	44	48.08	22.972	8.36	-75.4	193.5	18.4
10/7/2005	18:30:28	29.15	55.357	36.59	129.7	8.13	44	47.97	22.896	8.36	-75.7	113.8	20.1
10/7/2005	19:00:28	29.15	55.325	36.56	122.5	7.68	43	47.99	22.915	8.38	-76.7	289.5	19.9
10/7/2005	19:30:28	29.15	55.332	36.57	123.3	7.73	43	48.19	23.051	8.37	-76.0	258.5	1259.2
10/7/2005	20:00:28	29.17	55.358	36.59	127.8	8.01	44	47.95	22.885	8.36	-75.7	155.6	1259.2
10/7/2005	20:30:28	29.18	55.357	36.59	125.9	7.89	44	48.08	22.975	8.35	-75.1	97.3	23.1
10/7/2005	21:00:28	29.18	55.334	36.57	113.6	7.11	42	48.11	22.997	8.36	-75.8	150.6	20.0
10/7/2005	21:30:28	29.19	55.352	36.58	108.6	6.80	41	48.48	23.249	8.36	-75.5	156.8	21.8
10/7/2005	22:00:28	29.19	55.357	36.59	111.7	7.00	42	48.33	23.143	8.34	-74.5	71.0	21.9
10/7/2005	22:30:28	29.18	55.388	36.61	119.3	7.47	44	48.63	23.349	8.33	-74.0	44.6	1259.4
10/7/2005	23:00:27	29.18	55.347	36.58	106.6	6.68	42	48.52	23.274	8.33	-73.7	38.0	20.8
10/7/2005	23:30:28	29.17	55.398	36.62	108.8	6.81	42	48.81	23.476	8.32	-73.4	14.1	21.6
10/8/2005	0:00:28	29.17	55.426	36.64	118.3	7.41	43	48.67	23.379	8.32	-73.2	3.1	22.8
10/8/2005	0:30:28	29.17	55.448	36.65	120.2	7.53	44	48.62	23.343	8.32	-73.5	2.4	21.7
10/8/2005	1:00:28	29.16	55.462	36.66	118.1	7.40	44	48.79	23.465	8.32	-73.5	2.3	23.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/8/2005	1:30:28	29.15	55.453	36.66	61.5	3.85	33	48.76	23.440	8.32	-73.5	1.5	1258.6
10/8/2005	2:00:28	29.16	55.478	36.68	65.2	4.09	33	48.68	23.386	8.32	-73.4	1.5	21.2
10/8/2005	2:30:28	29.15	55.492	36.69	21.2	1.33	6	48.76	23.444	8.33	-73.8	0.3	1257.6
10/8/2005	3:00:28	29.14	55.509	36.70	50.3	3.15	26	48.78	23.454	8.32	-73.5	0.3	20.8
10/8/2005	3:30:28	29.15	55.498	36.69	29.4	1.84	12	48.83	23.486	8.32	-73.5	0.3	20.6
10/8/2005	4:00:28	29.14	55.474	36.68	35.6	2.23	16	48.71	23.403	8.32	-73.4	1.2	1258.3
10/8/2005	4:30:28	29.13	55.485	36.68	19.0	1.19	5	48.79	23.461	8.33	-73.7	0.4	21.9
10/8/2005	5:00:28	29.13	55.478	36.68	38.2	2.39	17	48.75	23.435	8.33	-73.8	1.0	22.7
10/8/2005	5:30:28	29.12	55.489	36.69	30.7	1.92	12	48.64	23.360	8.33	-73.7	0.3	21.6
10/8/2005	6:00:28	29.12	55.490	36.69	27.3	1.71	11	48.69	23.392	8.32	-73.2	0.1	21.7
10/8/2005	6:30:28	29.10	55.487	36.69	24.9	1.56	9	48.68	23.384	8.32	-73.4	0.3	20.1
10/8/2005	7:00:28	29.11	55.482	36.68	24.6	1.54	9	48.75	23.437	8.32	-73.1	0.3	23.9
10/8/2005	7:30:28	29.10	55.491	36.69	41.0	2.57	21	48.67	23.379	8.33	-73.7	0.2	21.9
10/8/2005	8:00:28	29.10	55.477	36.68	31.6	1.98	13	48.66	23.371	8.32	-73.5	0.3	17.0
10/8/2005	8:30:28	29.10	55.468	36.67	20.0	1.25	6	48.60	23.327	8.32	-73.3	0.3	17.9
10/8/2005	9:00:28	29.09	55.470	36.67	21.0	1.32	6	48.63	23.354	8.32	-73.2	0.2	1257.1
10/8/2005	9:30:28	29.09	55.465	36.67	22.4	1.40	8	48.61	23.338	8.32	-73.1	0.3	19.2
10/8/2005	10:00:28	29.09	55.439	36.65	41.3	2.59	21	48.47	23.243	8.32	-73.3	1.3	21.9
10/8/2005	10:30:28	29.09	55.438	36.65	66.9	4.19	33	48.44	23.220	8.32	-73.1	1.7	1258.1
10/8/2005	11:00:28	29.10	55.443	36.65	17.9	1.12	5	48.41	23.198	8.31	-72.8	0.5	14.8
10/8/2005	11:30:27	29.08	55.432	36.65	18.5	1.16	5	48.37	23.174	8.32	-73.1	0.6	1257.3
10/8/2005	12:00:28	29.08	55.420	36.64	56.3	3.53	30	48.32	23.135	8.32	-73.1	1.6	15.5
10/8/2005	12:30:28	29.08	55.421	36.64	100.3	6.29	41	48.25	23.092	8.32	-73.2	12.3	16.1
10/8/2005	13:00:28	29.08	55.408	36.63	87.6	5.49	38	48.22	23.071	8.33	-74.0	31.9	14.3
10/8/2005	13:30:28	29.09	55.407	36.63	118.8	7.45	44	48.12	23.003	8.34	-74.2	49.9	14.6
10/8/2005	14:00:28	29.10	55.424	36.64	84.8	5.32	38	48.07	22.969	8.36	-75.7	82.2	10.8
10/8/2005	14:30:28	29.11	55.418	36.63	37.4	2.34	16	48.13	23.010	8.37	-75.9	120.3	1258.0
10/8/2005	15:00:28	29.13	55.413	36.63	82.1	5.14	37	47.99	22.911	8.38	-76.6	155.5	25.6
10/8/2005	15:30:28	29.14	55.413	36.63	130.3	8.16	46	47.97	22.900	8.36	-75.8	143.5	11.4
10/8/2005	16:00:28	29.16	55.408	36.63	45.7	2.87	21	47.98	22.905	8.38	-76.7	248.3	11.3
10/8/2005	16:30:28	29.19	55.420	36.63	127.7	8.00	45	47.85	22.818	8.39	-77.6	246.1	12.0
10/8/2005	17:00:28	29.22	55.391	36.61	135.4	8.48	46	47.90	22.850	8.39	-77.4	261.1	1259.6
10/8/2005	17:30:28	29.21	55.411	36.63	127.7	8.00	45	47.97	22.899	8.37	-76.5	175.8	12.5
10/8/2005	18:00:28	29.22	55.417	36.63	129.4	8.10	46	47.85	22.817	8.37	-76.4	162.8	13.6
10/8/2005	18:30:28	29.24	55.379	36.60	134.1	8.39	46	47.86	22.822	8.40	-78.1	287.3	13.1
10/8/2005	19:00:28	29.24	55.396	36.61	126.1	7.89	45	47.96	22.893	8.40	-77.7	199.9	13.2
10/8/2005	19:30:28	29.23	55.377	36.60	128.7	8.06	45	47.99	22.910	8.38	-77.0	153.0	1259.8
10/8/2005	20:00:28	29.22	55.420	36.63	121.6	7.61	45	48.08	22.975	8.36	-75.6	98.3	14.1
10/8/2005	20:30:28	29.22	55.379	36.60	134.1	8.39	46	48.10	22.989	8.37	-75.9	113.9	1259.7
10/8/2005	21:00:28	29.22	55.410	36.62	143.7	9.00	47	48.17	23.036	8.40	-78.2	181.8	13.9
10/8/2005	21:30:28	29.24	55.424	36.63	129.4	8.10	45	48.25	23.089	8.39	-77.3	130.8	13.9
10/8/2005	22:00:28	29.24	55.440	36.65	128.7	8.05	45	48.30	23.128	8.38	-76.7	116.5	14.1
10/8/2005	22:30:28	29.24	55.500	36.69	14.0	0.87	4	48.37	23.171	8.35	-75.1	75.9	1258.5
10/8/2005	23:00:27	29.23	55.504	36.69	97.2	6.08	40	48.46	23.238	8.33	-74.0	38.2	14.7
10/8/2005	23:30:28	29.23	55.550	36.73	73.4	4.59	36	48.51	23.265	8.32	-73.3	14.2	15.2
10/9/2005	0:00:28	29.21	55.597	36.76	32.0	2.00	17	48.58	23.314	8.32	-73.2	2.2	1258.9
10/9/2005	0:30:28	29.21	55.626	36.79	14.2	0.89	5	48.60	23.333	8.32	-73.1	0.8	14.7
10/9/2005	1:00:28	29.20	55.649	36.80	21.8	1.36	10	48.70	23.397	8.31	-72.9	0.6	14.9
10/9/2005	1:30:28	29.21	55.656	36.81	21.3	1.33	10	48.73	23.421	8.32	-73.2	0.4	1258.2
10/9/2005	2:00:28	29.21	55.674	36.82	50.0	3.13	30	48.82	23.477	8.32	-73.2	0.4	15.8
10/9/2005	2:30:28	29.21	55.661	36.81	22.9	1.44	11	48.83	23.485	8.32	-73.0	0.5	14.6
10/9/2005	3:00:28	29.21	55.634	36.79	12.9	0.80	4	48.82	23.482	8.32	-73.2	0.6	1258.3
10/9/2005	3:30:28	29.22	55.653	36.81	20.7	1.29	9	48.88	23.521	8.32	-73.3	0.5	15.1
10/9/2005	4:00:28	29.22	55.649	36.80	27.0	1.69	13	48.90	23.534	8.32	-73.1	0.5	1258.3
10/9/2005	4:30:28	29.22	55.629	36.79	15.9	0.99	6	48.88	23.518	8.32	-73.2	0.5	16.1
10/9/2005	5:00:28	29.21	55.635	36.79	18.1	1.13	8	48.85	23.501	8.32	-73.4	0.6	15.0
10/9/2005	5:30:28	29.21	55.625	36.79	15.4	0.96	5	48.87	23.513	8.32	-73.1	0.5	1258.1
10/9/2005	6:00:28	29.21	55.625	36.79	14.3	0.89	4	48.82	23.479	8.32	-73.2	0.6	15.6
10/9/2005	6:30:28	29.21	55.639	36.80	21.9	1.37	10	48.79	23.462	8.32	-73.1	0.5	1258.2
10/9/2005	7:00:28	29.22	55.626	36.79	13.4	0.84	4	48.79	23.459	8.32	-73.0	0.7	15.6
10/9/2005	7:30:28	29.22	55.638	36.79	20.5	1.28	8	48.78	23.455	8.32	-73.2	0.6	14.7
10/9/2005	8:00:28	29.23	55.638	36.79	25.4	1.59	12	48.77	23.446	8.31	-72.8	0.5	14.1
10/9/2005	8:30:28	29.23	55.641	36.80	18.7	1.17	7	48.75	23.431	8.32	-73.1	0.6	14.4
10/9/2005	9:00:28	29.23	55.664	36.81	25.1	1.57	12	48.69	23.388	8.32	-73.2	0.6	14.0
10/9/2005	9:30:28	29.22	55.654	36.81	30.9	1.93	16	48.66	23.368	8.32	-73.2	0.5	15.1
10/9/2005	10:00:28	29.21	55.646	36.80	28.1	1.76	14	48.60	23.331	8.32	-73.4	0.5	14.5
10/9/2005	10:30:28	29.20	55.656	36.81	43.7	2.74	25	48.55	23.294	8.32	-73.3	0.6	1258.1
10/9/2005	11:00:28	29.18	55.683	36.83	97.1	6.07	41	48.51	23.267	8.32	-73.4	1.0	15.8
10/9/2005	11:30:27	29.18	55.671	36.82	79.7	4.99	38	48.49	23.255	8.31	-72.9	0.7	15.0
10/9/2005	12:00:28	29.17	55.654	36.81	60.9	3.81	33	48.44	23.218	8.33	-73.7	0.6	15.3
10/9/2005	12:30:28	29.16	55.673	36.82	103.4	6.47	42	48.35	23.160	8.33	-73.9	9.6	1258.3
10/9/2005	13:00:28	29.16	55.674	36.82	82.9	5.19	39	48.32	23.136	8.34	-74.3	30.5	17.5

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/9/2005	13:30:28	29.16	55.667	36.82	18.6	1.16	7	48.26	23.095	8.36	-75.5	63.1	1258.9
10/9/2005	14:00:28	29.16	55.677	36.83	120.0	7.51	44	48.20	23.055	8.39	-77.5	102.8	22.7
10/9/2005	14:30:28	29.17	55.675	36.82	47.3	2.96	25	48.15	23.019	8.38	-76.8	132.5	1259.3
10/9/2005	15:00:28	29.20	55.664	36.82	140.0	8.75	47	48.07	22.963	8.41	-78.6	179.2	18.3
10/9/2005	15:30:28	29.21	55.661	36.81	115.4	7.21	44	48.04	22.941	8.39	-77.6	197.6	1258.7
10/9/2005	16:00:28	29.23	55.665	36.81	128.0	8.00	45	47.98	22.899	8.41	-78.8	244.2	31.8
10/9/2005	16:30:28	29.22	55.654	36.81	112.5	7.03	43	47.93	22.865	8.39	-77.1	268.0	1258.7
10/9/2005	17:00:28	29.24	55.655	36.81	122.3	7.64	45	47.90	22.844	8.40	-77.8	265.1	18.4
10/9/2005	17:30:28	29.25	55.638	36.79	120.1	7.50	44	47.85	22.811	8.42	-79.2	316.2	1259.0
10/9/2005	18:00:28	29.23	55.645	36.80	114.5	7.16	40	47.86	22.818	8.40	-78.1	139.1	18.6
10/9/2005	18:30:28	29.24	55.637	36.79	112.7	7.04	42	47.84	22.805	8.42	-79.2	206.5	19.2
10/9/2005	19:00:28	29.23	55.624	36.78	102.4	6.41	40	47.83	22.801	8.41	-78.6	296.3	19.1
10/9/2005	19:30:28	29.23	55.626	36.79	109.6	6.85	42	47.86	22.821	8.41	-78.7	274.1	20.0
10/9/2005	20:00:28	29.24	55.614	36.78	105.6	6.60	41	47.90	22.848	8.42	-79.3	243.6	19.9
10/9/2005	20:30:28	29.23	55.616	36.78	124.3	7.77	43	47.94	22.875	8.40	-78.2	213.6	28.7
10/9/2005	21:00:28	29.24	55.617	36.78	110.1	6.88	41	47.96	22.887	8.40	-77.8	180.6	19.6
10/9/2005	21:30:28	29.22	55.634	36.79	106.8	6.68	41	48.05	22.950	8.38	-76.6	95.1	1258.7
10/9/2005	22:00:28	29.23	55.629	36.79	123.3	7.71	44	48.11	22.990	8.37	-76.1	105.0	20.2
10/9/2005	22:30:28	29.22	55.621	36.78	101.7	6.36	41	48.19	23.048	8.34	-74.2	50.8	18.9
10/9/2005	23:00:27	29.21	55.570	36.74	110.9	6.94	43	48.26	23.094	8.33	-73.8	31.4	19.4
10/9/2005	23:30:28	29.21	55.591	36.76	96.3	6.02	41	48.35	23.158	8.31	-72.9	12.6	29.7
10/10/2005	0:00:28	29.20	55.651	36.81	98.5	6.16	41	48.39	23.186	8.31	-72.4	2.4	21.0
10/10/2005	0:30:28	29.20	55.648	36.80	100.9	6.31	42	48.48	23.249	8.31	-72.7	2.1	21.3
10/10/2005	1:00:28	29.20	55.636	36.79	22.7	1.42	11	48.54	23.288	8.32	-73.0	2.6	20.3
10/10/2005	1:30:28	29.20	55.641	36.80	58.0	3.63	33	48.59	23.326	8.31	-72.9	2.7	21.1
10/10/2005	2:00:28	29.20	55.644	36.80	35.2	2.20	19	48.66	23.372	8.32	-73.2	2.5	20.5
10/10/2005	2:30:28	29.17	55.633	36.79	46.9	2.94	28	48.70	23.395	8.33	-73.7	1.2	21.3
10/10/2005	3:00:28	29.13	55.637	36.80	98.6	6.18	42	48.74	23.425	8.32	-73.5	0.7	18.7
10/10/2005	3:30:28	29.11	55.641	36.80	90.3	5.66	40	48.78	23.452	8.33	-73.5	0.7	20.0
10/10/2005	4:00:28	29.08	55.445	36.66	116.6	7.32	44	48.79	23.464	8.33	-73.7	0.5	27.1
10/10/2005	4:30:28	29.07	55.652	36.81	91.6	5.74	40	48.81	23.475	8.33	-73.5	0.7	25.6
10/10/2005	5:00:28	29.06	55.653	36.81	111.7	7.00	43	48.82	23.479	8.33	-73.9	0.6	33.6
10/10/2005	5:30:28	29.06	55.655	36.81	118.0	7.40	44	48.84	23.491	8.33	-73.9	0.4	24.1
10/10/2005	6:00:28	29.06	55.651	36.81	103.9	6.52	42	48.84	23.495	8.33	-73.9	0.6	1257.2
10/10/2005	6:30:28	29.06	55.656	36.81	113.6	7.12	43	48.83	23.483	8.33	-74.1	0.6	30.1
10/10/2005	7:00:28	29.06	55.648	36.81	87.7	5.50	40	48.79	23.462	8.33	-73.7	0.7	27.2
10/10/2005	7:30:28	29.07	55.639	36.80	80.3	5.04	38	48.79	23.456	8.33	-73.6	0.9	19.7
10/10/2005	8:00:28	29.08	55.645	36.80	105.2	6.59	42	48.77	23.447	8.33	-74.0	0.4	15.5
10/10/2005	8:30:28	29.08	55.639	36.80	95.2	5.97	40	48.75	23.431	8.33	-73.9	0.7	26.7
10/10/2005	9:00:28	29.08	55.637	36.80	99.3	6.23	41	48.72	23.413	8.33	-73.9	0.5	28.6
10/10/2005	9:30:28	29.09	55.634	36.80	77.8	4.87	37	48.69	23.389	8.33	-74.0	0.9	16.7
10/10/2005	10:00:28	29.09	55.630	36.79	78.4	4.91	38	48.66	23.368	8.33	-73.9	0.9	20.0
10/10/2005	10:30:28	29.10	55.636	36.80	121.0	7.58	45	48.64	23.355	8.34	-74.2	0.6	24.9
10/10/2005	11:00:28	29.10	55.631	36.79	75.1	4.70	37	48.60	23.325	8.33	-74.0	0.9	1257.7
10/10/2005	11:30:27	29.09	55.635	36.80	93.6	5.87	40	48.54	23.289	8.33	-74.1	0.4	20.8
10/10/2005	12:00:28	29.07	55.631	36.79	111.8	7.01	43	48.51	23.264	8.33	-73.9	0.7	23.5
10/10/2005	12:30:28	29.06	55.561	36.74	108.7	6.82	43	48.48	23.244	8.33	-73.9	7.0	24.2
10/10/2005	13:00:28	29.06	55.653	36.81	122.2	7.66	44	48.42	23.202	8.34	-74.2	25.3	1257.0
10/10/2005	13:30:28	29.06	55.641	36.80	84.9	5.32	38	48.38	23.180	8.34	-74.6	47.2	16.7
10/10/2005	14:00:28	29.06	55.484	36.69	119.7	7.51	44	48.34	23.151	8.34	-74.5	62.6	14.8
10/10/2005	14:30:28	29.07	55.501	36.70	109.3	6.86	42	48.28	23.106	8.35	-75.1	104.3	16.0
10/10/2005	15:00:28	29.10	55.682	36.83	102.5	6.42	41	48.19	23.044	8.34	-74.6	55.0	15.2
10/10/2005	15:30:28	29.14	55.671	36.82	71.7	4.49	35	48.14	23.010	8.38	-76.7	220.1	15.6
10/10/2005	16:00:28	29.15	55.695	36.84	83.7	5.24	37	48.10	22.982	8.36	-75.4	153.7	1258.1
10/10/2005	16:30:28	29.15	55.538	36.72	78.8	4.94	36	48.05	22.953	8.35	-75.2	105.7	13.9
10/10/2005	17:00:28	29.16	55.544	36.73	77.5	4.85	36	48.00	22.914	8.35	-75.1	90.6	1258.3
10/10/2005	17:30:28	29.17	55.542	36.72	64.0	4.00	33	47.90	22.850	8.36	-75.7	135.7	13.6
10/10/2005	18:00:28	29.17	55.507	36.70	43.4	2.72	22	47.88	22.832	8.35	-75.1	92.8	1258.7
10/10/2005	18:30:28	29.13	55.670	36.82	65.1	4.08	33	47.86	22.821	8.35	-74.8	61.2	14.0
10/10/2005	19:00:28	29.12	55.525	36.71	102.7	6.43	41	47.92	22.864	8.35	-74.8	71.5	1257.6
10/10/2005	19:30:28	29.12	55.506	36.70	89.9	5.63	39	47.85	22.816	8.35	-74.8	72.8	15.3
10/10/2005	20:00:28	29.11	55.489	36.69	83.4	5.23	38	47.88	22.833	8.33	-74.0	17.5	14.2
10/10/2005	20:30:28	29.11	55.459	36.67	81.4	5.10	37	47.93	22.873	8.33	-74.0	9.7	1257.9
10/10/2005	21:00:28	29.10	55.526	36.72	74.4	4.66	36	47.92	22.858	8.33	-74.1	16.1	12.9
10/10/2005	21:30:28	29.09	55.469	36.67	53.9	3.38	29	47.97	22.895	8.34	-74.2	27.2	15.4
10/10/2005	22:00:28	29.09	55.384	36.61	24.2	1.52	10	47.87	22.832	8.34	-74.2	14.0	16.5
10/10/2005	22:30:28	29.08	55.437	36.65	69.7	4.37	35	48.03	22.938	8.34	-74.1	8.5	16.1
10/10/2005	23:00:27	29.08	55.662	36.82	31.3	1.96	14	48.06	22.955	8.33	-74.0	2.1	16.9
10/10/2005	23:30:28	29.07	55.673	36.83	80.5	5.05	37	48.04	22.940	8.34	-74.2	3.5	1258.4
10/11/2005	0:00:28	29.07	55.668	36.82	26.5	1.66	11	48.33	23.139	8.34	-74.2	1.8	1257.9
10/11/2005	0:30:28	29.07	55.676	36.83	65.1	4.08	33	48.39	23.181	8.34	-74.2	2.8	12.4
10/11/2005	1:00:28	29.08	55.672	36.83	35.7	2.24	16	48.38	23.178	8.34	-74.2	1.4	11.6

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/11/2005	1:30:28	29.08	55.670	36.82	27.4	1.72	12	48.55	23.294	8.34	-74.2	2.5	12.1
10/11/2005	2:00:28	29.10	55.679	36.83	15.8	0.99	5	48.56	23.300	8.34	-74.2	1.9	13.3
10/11/2005	2:30:28	29.13	55.701	36.85	113.8	7.13	42	48.57	23.306	8.34	-74.2	2.3	1258.4
10/11/2005	3:00:28	29.14	55.703	36.85	16.7	1.05	5	48.66	23.372	8.34	-74.3	1.7	1258.6
10/11/2005	3:30:28	29.14	55.709	36.85	89.4	5.59	38	48.72	23.413	8.34	-74.3	2.6	14.7
10/11/2005	4:00:28	29.14	55.706	36.85	92.8	5.81	39	48.67	23.377	8.34	-74.3	2.5	1258.8
10/11/2005	4:30:28	29.14	55.700	36.84	17.7	1.11	7	48.89	23.526	8.34	-74.2	2.0	11.5
10/11/2005	5:00:28	29.13	55.706	36.85	51.8	3.24	26	48.79	23.459	8.34	-74.3	1.2	1258.3
10/11/2005	5:30:28	29.13	55.617	36.78	22.9	1.43	9	48.77	23.446	8.34	-74.3	1.3	12.9
10/11/2005	6:00:28	29.13	55.732	36.87	16.5	1.03	5	48.79	23.455	8.33	-74.2	2.0	1258.6
10/11/2005	6:30:28	29.12	55.736	36.87	114.5	7.17	42	48.80	23.468	8.33	-74.0	1.9	7.6
10/11/2005	7:00:28	29.11	55.741	36.88	99.7	6.25	40	48.87	23.512	8.33	-74.1	2.3	9.7
10/11/2005	7:30:28	29.10	55.732	36.87	24.3	1.52	9	48.79	23.455	8.33	-74.1	1.7	10.4
10/11/2005	8:00:28	29.09	55.729	36.87	115.6	7.24	42	48.77	23.440	8.33	-74.0	2.1	1258.1
10/11/2005	8:30:28	29.08	55.735	36.87	68.1	4.26	33	48.81	23.468	8.33	-74.1	2.7	1258.6
10/11/2005	9:00:28	29.08	55.728	36.87	52.6	3.30	28	48.79	23.457	8.34	-74.2	1.3	11.7
10/11/2005	9:30:28	29.08	55.736	36.87	64.9	4.07	33	48.74	23.424	8.34	-74.2	2.7	1258.4
10/11/2005	10:00:28	29.08	55.746	36.88	62.1	3.89	32	48.69	23.387	8.34	-74.2	1.2	10.5
10/11/2005	10:30:28	29.08	55.744	36.88	17.4	1.09	5	48.79	23.456	8.34	-74.2	1.8	1258.1
10/11/2005	11:00:28	29.07	55.685	36.83	22.3	1.40	8	48.65	23.361	8.33	-74.1	1.5	8.8
10/11/2005	11:30:27	29.07	55.760	36.89	102.9	6.45	41	48.71	23.401	8.33	-74.1	2.3	1258.1
10/11/2005	12:00:28	29.06	55.759	36.89	107.0	6.71	41	48.47	23.235	8.33	-74.1	2.5	11.5
10/11/2005	12:30:28	29.06	55.756	36.89	111.0	6.95	42	48.60	23.323	8.33	-74.0	10.3	11.2
10/11/2005	13:00:28	29.07	55.765	36.90	55.5	3.48	30	48.55	23.290	8.34	-74.4	28.4	11.9
10/11/2005	13:30:28	29.06	55.764	36.89	118.1	7.40	43	48.42	23.204	8.35	-74.8	62.4	1257.9
10/11/2005	14:00:28	29.07	55.748	36.88	117.7	7.37	43	48.47	23.236	8.35	-74.9	70.2	7.3
10/11/2005	14:30:28	29.08	55.741	36.88	18.3	1.15	6	48.41	23.194	8.36	-75.4	149.3	1258.2
10/11/2005	15:00:28	29.08	55.748	36.88	31.6	1.98	13	48.30	23.122	8.35	-75.1	103.1	7.5
10/11/2005	15:30:28	29.08	55.748	36.88	38.0	2.38	17	48.33	23.142	8.34	-74.5	51.2	1257.9
10/11/2005	16:00:28	29.08	55.733	36.87	17.7	1.11	5	48.24	23.079	8.35	-75.3	109.6	7.4
10/11/2005	16:30:28	29.07	55.745	36.88	17.2	1.08	5	48.13	23.003	8.35	-74.8	64.4	1258.1
10/11/2005	17:00:28	29.07	55.748	36.88	17.7	1.11	5	48.07	22.958	8.35	-75.2	169.8	8.7
10/11/2005	17:30:28	29.08	55.752	36.88	123.7	7.75	44	48.09	22.974	8.36	-75.6	301.6	8.4
10/11/2005	18:00:28	29.09	55.738	36.87	21.5	1.35	7	47.97	22.893	8.36	-75.6	311.6	8.1
10/11/2005	18:30:28	29.08	55.742	36.88	21.8	1.37	7	47.94	22.872	8.36	-75.7	289.4	1258.0
10/11/2005	19:00:28	29.07	55.747	36.88	45.1	2.82	21	47.93	22.864	8.36	-75.4	210.0	10.8
10/11/2005	19:30:28	29.08	55.753	36.89	83.6	5.24	37	47.85	22.812	8.36	-75.4	249.8	9.2
10/11/2005	20:00:28	29.08	55.765	36.89	61.2	3.83	32	47.90	22.846	8.35	-75.0	156.6	8.6
10/11/2005	20:30:28	29.08	55.768	36.90	49.2	3.08	25	47.86	22.817	8.34	-74.3	101.8	9.0
10/11/2005	21:00:28	29.09	55.766	36.90	36.4	2.28	16	47.81	22.781	8.33	-74.1	52.6	1258.5
10/11/2005	21:30:28	29.08	55.769	36.90	121.2	7.59	43	47.91	22.849	8.34	-74.3	93.3	7.8
10/11/2005	22:00:28	29.08	55.758	36.89	119.6	7.49	43	47.95	22.879	8.34	-74.3	99.1	7.5
10/11/2005	22:30:28	29.06	55.764	36.89	101.2	6.34	40	47.94	22.873	8.33	-73.8	33.4	8.2
10/11/2005	23:00:27	29.05	55.751	36.89	115.5	7.24	42	48.00	22.911	8.33	-73.6	18.0	7.8
10/11/2005	23:30:28	29.05	55.771	36.90	91.7	5.75	38	48.00	22.912	8.33	-73.7	8.3	1258.1
10/12/2005	0:00:28	29.05	55.775	36.90	115.2	7.22	42	48.02	22.928	8.32	-73.4	2.6	7.1
10/12/2005	0:30:28	29.06	55.770	36.90	112.6	7.05	42	48.18	23.036	8.33	-73.6	2.2	7.5
10/12/2005	1:00:28	29.07	55.784	36.91	86.1	5.39	38	48.24	23.079	8.33	-73.6	2.7	7.5
10/12/2005	1:30:28	29.08	55.516	36.71	19.5	1.22	7	48.34	23.151	8.33	-73.7	2.5	7.6
10/12/2005	2:00:28	29.08	55.782	36.91	17.3	1.09	5	48.42	23.204	8.33	-73.9	2.1	6.9
10/12/2005	2:30:28	29.08	55.770	36.90	18.3	1.14	5	48.45	23.225	8.33	-73.9	2.2	10.4
10/12/2005	3:00:28	29.07	55.773	36.90	34.4	2.15	15	48.53	23.278	8.33	-73.9	2.7	7.6
10/12/2005	3:30:28	29.08	55.762	36.89	41.8	2.62	18	48.56	23.299	8.33	-74.1	1.5	1257.8
10/12/2005	4:00:28	29.09	55.768	36.90	49.3	3.09	25	48.67	23.375	8.33	-74.0	1.6	7.0
10/12/2005	4:30:28	29.08	55.756	36.89	35.4	2.22	15	48.74	23.426	8.34	-74.2	1.5	6.4
10/12/2005	5:00:28	29.08	55.757	36.89	21.4	1.34	7	48.76	23.439	8.33	-73.9	1.7	7.2
10/12/2005	5:30:28	29.07	55.752	36.89	49.2	3.08	23	48.74	23.426	8.33	-74.1	1.1	1257.5
10/12/2005	6:00:28	29.06	55.749	36.88	29.5	1.85	11	48.79	23.460	8.34	-74.2	1.6	7.5
10/12/2005	6:30:28	29.08	55.755	36.89	18.8	1.18	6	48.80	23.466	8.33	-74.0	2.2	1258.2
10/12/2005	7:00:28	29.08	55.764	36.89	43.9	2.75	21	48.84	23.493	8.33	-74.0	2.7	7.0
10/12/2005	7:30:28	29.08	55.766	36.90	20.1	1.26	6	48.82	23.480	8.33	-74.0	1.8	1257.9
10/12/2005	8:00:28	29.08	55.780	36.91	111.3	6.97	42	48.82	23.479	8.33	-73.9	2.3	6.2
10/12/2005	8:30:28	29.10	55.791	36.91	62.9	3.94	32	48.82	23.479	8.33	-74.0	2.7	1258.6
10/12/2005	9:00:28	29.09	55.781	36.91	116.3	7.29	42	48.80	23.461	8.33	-73.8	2.4	6.1
10/12/2005	9:30:28	29.12	55.805	36.92	116.4	7.28	42	48.76	23.434	8.33	-73.7	2.1	1258.2
10/12/2005	10:00:28	29.14	55.811	36.93	112.9	7.07	42	48.75	23.428	8.33	-73.8	1.8	6.5
10/12/2005	10:30:28	29.14	55.813	36.93	104.2	6.52	40	48.68	23.383	8.33	-73.8	1.7	5.9
10/12/2005	11:00:28	29.13	55.807	36.92	112.8	7.06	42	48.71	23.400	8.33	-73.7	1.9	5.9
10/12/2005	11:30:27	29.11	55.785	36.91	27.8	1.74	11	48.71	23.403	8.33	-73.9	2.5	5.6
10/12/2005	12:00:28	29.09	55.748	36.88	28.3	1.77	10	48.68	23.380	8.33	-73.9	1.8	1258.1
10/12/2005	12:30:28	29.06	55.506	36.70	87.4	5.48	37	48.62	23.342	8.33	-74.0	11.5	6.5
10/12/2005	13:00:28	29.03	55.538	36.73	103.1	6.47	40	48.61	23.336	8.34	-74.2	28.7	6.2

Appendix 5
Water Quality Data

East Flower Garden Bank													
August 27, 2005 - October 12, 2005													
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Dosat %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/12/2005	13:30:28	29.02	55.556	36.74	84.8	5.32	37	48.61	23.333	8.34	-74.6	59.2	6.4
10/12/2005	14:00:28	29.01	55.718	36.86	48.5	3.04	22	48.55	23.291	8.35	-75.1	94.5	1257.9

Appendix 5
Water Quality Data

Hobo Temp probe was not located after the hurricane resulting in missing temperature data from 8/26/05 to 10/12/05.

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/12/2005	13:00:28	28.90	59.059	39.38	8.11	49	48.52	23.229	8.04	-93.3	148.8	-0.8
10/12/2005	13:30:28	28.91	59.495	39.71	7.15	49	48.48	23.192	8.02	-92.4	203.5	-1.1
10/12/2005	14:00:28	28.91	59.494	39.71	7.11	48	48.44	23.166	8.02	-92.1	141.9	-1.0
10/12/2005	14:30:28	28.91	59.492	39.71	7.09	48	48.38	23.125	8.01	-91.6	294.3	-1.1
10/12/2005	15:00:28	28.90	59.481	39.70	7.12	48	48.31	23.078	8.01	-91.4	344.4	-1.1
10/12/2005	15:30:28	28.90	59.487	39.70	7.13	48	48.26	23.043	8.00	-91.2	363.7	-1.1
10/12/2005	16:00:28	28.91	59.494	39.71	7.08	48	48.21	23.011	8.00	-91.1	380.2	-1.1
10/12/2005	16:30:28	28.92	59.478	39.69	7.15	49	48.13	22.956	8.00	-91.1	443.8	-1.1
10/12/2005	17:00:28	28.92	59.487	39.70	7.17	48	48.08	22.921	8.00	-90.9	403.4	-1.1
10/12/2005	17:30:28	28.93	59.507	39.72	7.10	48	48.02	22.875	8.00	-90.8	431.3	-1.1
10/12/2005	18:00:28	28.93	59.510	39.72	7.09	48	47.96	22.836	8.00	-90.8	363.9	-1.1
10/12/2005	18:30:28	28.93	59.517	39.72	7.08	48	47.92	22.812	7.99	-90.8	348.1	-1.1
10/12/2005	19:00:28	28.94	59.513	39.72	6.93	48	47.88	22.779	7.99	-90.8	288.3	-1.1
10/12/2005	19:30:28	28.94	59.517	39.72	6.91	48	47.83	22.750	8.00	-90.8	250.9	-1.2
10/12/2005	20:00:28	28.94	59.517	39.72	6.81	48	47.84	22.752	8.00	-90.9	196.3	-1.1
10/12/2005	20:30:28	28.93	59.508	39.72	6.65	47	47.82	22.739	8.00	-90.9	141.2	-1.1
10/12/2005	21:00:28	28.93	59.500	39.71	6.46	47	47.82	22.742	8.00	-90.9	93.5	-1.1
10/12/2005	21:30:28	28.92	59.428	39.66	6.28	47	47.84	22.754	8.00	-90.9	49.7	-1.0
10/12/2005	22:00:28	28.93	59.493	39.71	6.02	46	47.87	22.773	8.00	-91.0	17.3	-1.1
10/13/2005	22:30:28	28.93	59.506	39.72	5.82	46	47.90	22.794	8.00	-91.1	1.9	-1.1
10/13/2005	23:00:27	28.94	59.506	39.72	5.70	46	47.95	22.829	8.00	-91.2	1.1	-1.1
10/13/2005	23:30:28	28.93	59.523	39.73	5.71	46	48.01	22.871	8.00	-91.2	1.1	-1.1
10/13/2005	0:00:28	28.91	59.525	39.73	5.64	46	48.07	22.912	8.00	-91.2	1.1	-1.1
10/13/2005	0:30:28	28.91	59.525	39.73	5.63	46	48.15	22.969	8.00	-91.2	1.1	-1.1
10/13/2005	1:00:28	28.91	59.510	39.72	5.67	46	48.22	23.018	8.00	-91.3	1.0	-1.1
10/13/2005	1:30:28	28.92	59.509	39.72	5.57	46	48.29	23.067	8.00	-91.3	1.0	-1.1
10/13/2005	2:00:28	28.93	59.523	39.73	5.57	46	48.37	23.119	8.01	-91.4	1.0	-1.1
10/13/2005	2:30:28	28.93	59.543	39.74	5.60	46	48.43	23.160	8.00	-91.3	1.1	-1.1
10/13/2005	3:00:28	28.94	59.558	39.75	5.60	45	48.50	23.204	8.00	-91.4	1.0	-1.1
10/13/2005	3:30:28	28.94	59.567	39.76	5.66	46	48.55	23.241	8.01	-91.5	1.0	-1.2
10/13/2005	4:00:28	28.95	59.570	39.76	5.58	45	48.58	23.265	8.01	-91.4	1.0	-1.1
10/13/2005	4:30:28	28.94	59.573	39.77	5.68	46	48.62	23.287	8.01	-91.6	1.0	-1.1
10/13/2005	5:00:28	28.95	59.563	39.76	5.63	45	48.64	23.306	8.01	-91.5	1.0	-1.1
10/13/2005	5:30:28	28.95	59.564	39.76	5.63	46	48.67	23.322	8.01	-91.5	1.0	-1.1
10/13/2005	6:00:28	28.93	59.570	39.76	5.71	45	48.69	23.336	8.01	-91.7	1.0	-1.1
10/13/2005	6:30:28	28.94	59.564	39.76	5.64	45	48.70	23.341	8.01	-91.6	1.1	-1.1
10/13/2005	7:00:28	28.94	59.582	39.77	5.67	45	48.69	23.339	8.01	-91.7	1.0	-1.2
10/13/2005	7:30:28	28.94	59.575	39.77	5.65	45	48.68	23.334	8.01	-91.7	1.0	-1.1
10/13/2005	8:00:28	28.94	59.578	39.77	5.60	45	48.67	23.324	8.01	-91.6	1.0	-1.1
10/13/2005	8:30:28	28.93	59.584	39.77	5.65	45	48.66	23.316	8.01	-91.7	1.1	-1.2
10/13/2005	9:00:28	28.92	59.577	39.77	5.63	45	48.66	23.313	8.01	-91.7	1.0	-1.1
10/13/2005	9:30:28	28.91	59.572	39.77	5.67	45	48.64	23.303	8.01	-91.8	1.0	-1.1
10/13/2005	10:00:28	28.91	59.575	39.77	5.63	45	48.63	23.298	8.01	-91.8	1.0	-1.1
10/13/2005	10:30:28	28.90	59.586	39.78	5.63	45	48.62	23.287	8.01	-91.8	1.2	-1.2
10/13/2005	11:00:28	28.89	59.567	39.76	5.62	45	48.60	23.279	8.01	-91.6	11.9	-1.1
10/13/2005	11:30:27	28.85	59.549	39.75	5.87	45	48.60	23.274	8.01	-91.5	34.5	-1.2
10/13/2005	12:00:28	28.84	59.545	39.75	6.08	46	48.59	23.268	8.01	-91.4	69.5	-1.1
10/13/2005	12:30:28	28.84	59.541	39.75	6.23	46	48.58	23.264	8.00	-91.3	99.2	-1.1
10/13/2005	13:00:28	28.84	59.549	39.75	6.40	47	48.57	23.257	8.00	-91.2	137.8	-1.1
10/13/2005	13:30:28	28.84	59.538	39.74	6.58	47	48.55	23.245	8.00	-91.2	204.9	-1.1
10/13/2005	14:00:28	28.85	59.547	39.75	6.68	47	48.53	23.226	8.00	-91.2	262.9	-1.1
10/13/2005	14:30:28	28.85	59.541	39.74	6.71	47	48.50	23.210	8.00	-91.1	306.9	-1.1
10/13/2005	15:00:28	28.85	59.509	39.72	6.75	47	48.47	23.188	8.00	-91.1	340.7	-1.1
10/13/2005	15:30:28	28.84	59.522	39.73	6.89	47	48.43	23.160	8.00	-91.1	372.7	-1.1
10/13/2005	16:00:28	28.85	59.521	39.73	6.88	47	48.38	23.128	8.00	-91.4	215.4	-1.1
10/13/2005	16:30:28	28.84	59.297	39.56	6.89	47	48.34	23.102	8.00	-91.1	436.4	-1.0
10/13/2005	17:00:28	28.83	59.494	39.71	6.94	47	48.29	23.065	8.01	-91.4	168.3	-1.1
10/13/2005	17:30:28	28.84	59.516	39.73	6.94	47	48.23	23.019	8.00	-91.1	397.9	-1.1
10/13/2005	18:00:28	28.84	59.479	39.70	6.94	47	48.18	22.989	8.00	-91.2	357.9	-1.1
10/13/2005	18:30:28	28.84	59.503	39.72	6.85	47	48.14	22.961	8.00	-91.3	319.5	-1.1
10/13/2005	19:00:28	28.83	59.505	39.72	6.84	47	48.10	22.933	8.00	-91.3	306.6	-1.1
10/13/2005	19:30:28	28.82	59.493	39.71	6.72	47	48.07	22.915	8.01	-91.4	254.6	-1.1
10/13/2005	20:00:28	28.81	59.479	39.70	6.60	46	48.04	22.888	8.01	-91.7	109.0	-1.1
10/13/2005	20:30:28	28.81	59.487	39.70	6.50	46	48.01	22.870	8.01	-91.7	133.2	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank

October 12, 2005 - November 2, 2005

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/13/2005	21:00:28	28.81	59.475	39.70	6.31	46	48.00	22.866	8.01	-91.8	92.2	-1.1
10/13/2005	21:30:28	28.80	59.466	39.69	6.08	45	47.99	22.857	8.01	-91.9	40.0	-1.2
10/13/2005	22:00:28	28.80	59.439	39.67	5.94	45	48.00	22.865	8.01	-91.9	15.0	-1.1
10/14/2005	22:30:28	28.80	59.466	39.69	5.70	45	48.03	22.883	8.02	-92.1	1.6	-1.1
10/14/2005	23:00:27	28.81	59.466	39.69	5.70	45	48.06	22.903	8.02	-92.3	1.0	-1.2
10/14/2005	23:30:28	28.80	59.459	39.68	5.66	45	48.09	22.928	8.02	-92.3	1.0	-1.1
10/14/2005	0:00:28	28.81	59.472	39.69	5.61	45	48.14	22.962	8.02	-92.3	1.0	-1.1
10/14/2005	0:30:28	28.81	59.457	39.68	5.58	45	48.18	22.990	8.02	-92.4	1.0	-1.1
10/14/2005	1:00:28	28.81	59.456	39.68	5.59	45	48.25	23.034	8.02	-92.3	1.0	-1.1
10/14/2005	1:30:28	28.80	59.439	39.67	5.58	45	48.30	23.071	8.02	-92.4	1.0	-1.1
10/14/2005	2:00:28	28.81	59.449	39.68	5.53	44	48.37	23.116	8.02	-92.3	1.0	-1.1
10/14/2005	2:30:28	28.81	59.466	39.69	5.56	44	48.42	23.155	8.02	-92.3	1.0	-1.1
10/14/2005	3:00:28	28.81	59.451	39.68	5.60	45	48.49	23.203	8.02	-92.4	1.0	-1.1
10/14/2005	3:30:28	28.81	59.453	39.68	5.54	44	48.54	23.232	8.02	-92.5	1.0	-1.1
10/14/2005	4:00:28	28.80	59.462	39.69	5.61	44	48.59	23.268	8.02	-92.5	1.0	-1.1
10/14/2005	4:30:28	28.80	59.456	39.68	5.61	45	48.60	23.276	8.03	-92.6	1.0	-1.1
10/14/2005	5:00:28	28.79	59.465	39.69	5.65	44	48.61	23.284	8.03	-92.7	1.0	-1.2
10/14/2005	5:30:28	28.78	59.459	39.69	5.55	44	48.63	23.294	8.03	-92.6	1.0	-1.1
10/14/2005	6:00:28	28.78	59.455	39.68	5.53	44	48.64	23.304	8.02	-92.5	1.0	-1.1
10/14/2005	6:30:28	28.78	59.446	39.68	5.60	44	48.63	23.293	8.03	-92.7	1.0	-0.7
10/14/2005	7:00:28	28.77	59.452	39.68	5.53	44	48.62	23.288	8.02	-92.5	1.0	-1.1
10/14/2005	7:30:28	28.76	59.459	39.69	5.60	44	48.60	23.279	8.03	-92.7	1.0	-1.1
10/14/2005	8:00:28	28.76	59.442	39.67	5.54	44	48.60	23.273	8.03	-92.7	1.0	-1.1
10/14/2005	8:30:28	28.76	59.442	39.67	5.54	44	48.58	23.265	8.03	-92.7	1.0	-1.1
10/14/2005	9:00:28	28.75	59.427	39.66	5.52	44	48.56	23.249	8.03	-92.8	1.0	-1.1
10/14/2005	9:30:28	28.75	59.449	39.68	5.49	44	48.53	23.227	8.03	-92.6	1.0	-1.1
10/14/2005	10:00:28	28.74	59.437	39.67	5.47	44	48.52	23.218	8.03	-92.6	1.0	-1.1
10/14/2005	10:30:28	28.75	59.433	39.67	5.49	44	48.52	23.219	8.03	-92.6	1.2	-1.1
10/14/2005	11:00:28	28.75	59.419	39.66	5.54	44	48.52	23.219	8.02	-92.5	8.3	-1.1
10/14/2005	11:30:27	28.78	59.445	39.67	5.70	44	48.51	23.215	8.02	-92.2	35.9	-1.1
10/14/2005	12:00:28	28.78	59.446	39.68	5.91	44	48.51	23.212	8.02	-92.2	59.4	-1.1
10/14/2005	12:30:28	28.76	59.442	39.67	6.07	45	48.54	23.237	8.02	-92.0	94.2	-1.1
10/14/2005	13:00:28	28.75	59.480	39.70	6.20	45	48.54	23.232	8.01	-91.9	105.5	-1.1
10/14/2005	13:30:28	28.74	59.457	39.69	6.35	45	48.52	23.221	8.01	-91.9	201.5	-1.1
10/14/2005	14:00:28	28.77	59.477	39.70	6.45	45	48.52	23.224	8.01	-91.9	268.3	-1.1
10/14/2005	14:30:28	28.77	59.489	39.71	6.60	45	48.52	23.218	8.02	-92.0	166.4	-1.1
10/14/2005	15:00:28	28.77	59.475	39.70	6.58	45	48.50	23.209	8.02	-92.0	172.9	-1.1
10/14/2005	15:30:28	28.75	59.499	39.72	6.71	46	48.50	23.207	8.01	-91.7	334.3	-1.1
10/14/2005	16:00:28	28.73	59.503	39.72	6.73	46	48.49	23.197	8.01	-91.7	386.0	-1.1
10/14/2005	16:30:28	28.69	59.492	39.71	6.75	45	48.45	23.173	8.01	-91.7	336.4	-1.1
10/14/2005	17:00:28	28.66	59.493	39.72	6.79	45	48.43	23.160	8.01	-91.7	328.0	-1.1
10/14/2005	17:30:28	28.69	59.510	39.73	6.79	45	48.39	23.129	8.01	-91.8	328.9	-1.1
10/14/2005	18:00:28	28.71	59.456	39.69	6.79	45	48.35	23.103	8.01	-91.9	333.7	-1.1
10/14/2005	18:30:28	28.70	59.458	39.69	6.76	45	48.32	23.085	8.02	-91.9	299.8	-1.0
10/14/2005	19:00:28	28.73	59.482	39.70	6.68	45	48.28	23.056	8.02	-92.1	268.7	-1.1
10/14/2005	19:30:28	28.75	59.465	39.69	6.63	45	48.22	23.018	8.02	-92.2	223.6	-1.1
10/14/2005	20:00:28	28.75	59.476	39.70	6.50	45	48.19	22.992	8.02	-92.2	174.9	-1.1
10/14/2005	20:30:28	28.76	59.480	39.70	6.39	45	48.16	22.976	8.02	-92.3	127.2	-1.1
10/14/2005	21:00:28	28.75	59.477	39.70	6.24	44	48.13	22.950	8.02	-92.3	80.8	-1.1
10/14/2005	21:30:28	28.76	59.475	39.70	6.05	44	48.11	22.942	8.02	-92.4	40.5	-1.1
10/14/2005	22:00:28	28.77	59.469	39.69	5.84	44	48.09	22.929	8.02	-92.5	14.0	-1.1
10/15/2005	22:30:28	28.76	59.418	39.65	5.70	43	48.08	22.921	8.03	-92.7	1.5	-1.1
10/15/2005	23:00:27	28.76	59.412	39.65	5.62	43	48.08	22.917	8.03	-92.8	1.0	-1.1
10/15/2005	23:30:28	28.76	59.453	39.68	5.65	43	48.09	22.924	8.03	-93.0	1.1	-1.1
10/15/2005	0:00:28	28.76	59.452	39.68	5.61	43	48.11	22.940	8.03	-92.9	1.1	-1.1
10/15/2005	0:30:28	28.76	59.461	39.69	5.56	43	48.13	22.956	8.03	-92.9	1.0	-1.1
10/15/2005	1:00:28	28.76	59.461	39.69	5.53	43	48.17	22.983	8.03	-93.0	1.0	-1.1
10/15/2005	1:30:28	28.75	59.424	39.66	5.54	43	48.21	23.006	8.03	-92.9	1.0	-1.1
10/15/2005	2:00:28	28.75	59.429	39.66	5.51	43	48.26	23.043	8.03	-92.9	1.0	-1.1
10/15/2005	2:30:28	28.76	59.457	39.68	5.51	43	48.30	23.069	8.03	-93.0	1.0	-1.1
10/15/2005	3:00:28	28.76	59.418	39.65	5.51	42	48.35	23.106	8.03	-93.0	1.0	-1.1
10/15/2005	3:30:28	28.77	59.463	39.69	5.48	43	48.38	23.122	8.03	-93.0	1.0	-1.2
10/15/2005	4:00:28	28.77	59.446	39.68	5.48	42	48.42	23.152	8.03	-93.0	1.0	-1.1
10/15/2005	4:30:28	28.77	59.463	39.69	5.49	42	48.41	23.147	8.03	-93.1	0.9	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/15/2005	5:00:28	28.78	59.259	39.53	5.50	42	48.47	23.191	8.03	-93.1	1.0	-1.1
10/15/2005	5:30:28	28.78	59.464	39.69	5.44	42	48.45	23.169	8.03	-93.0	1.0	-1.1
10/15/2005	6:00:28	28.78	59.454	39.68	5.45	42	48.45	23.171	8.03	-92.9	1.0	-1.1
10/15/2005	6:30:28	28.76	59.444	39.67	5.40	42	48.45	23.175	8.03	-92.7	1.0	-1.1
10/15/2005	7:00:28	28.76	59.462	39.69	5.46	42	48.45	23.170	8.03	-92.8	1.0	-1.1
10/15/2005	7:30:28	28.75	59.463	39.69	5.46	42	48.42	23.155	8.03	-92.8	1.0	-1.1
10/15/2005	8:00:28	28.75	59.480	39.70	5.45	42	48.42	23.152	8.03	-92.8	1.0	-1.1
10/15/2005	8:30:28	28.74	59.481	39.70	5.46	42	48.41	23.147	8.03	-92.8	0.9	-1.1
10/15/2005	9:00:28	28.74	59.478	39.70	5.45	42	48.39	23.129	8.03	-92.7	1.0	-1.1
10/15/2005	9:30:28	28.74	59.476	39.70	5.45	42	48.38	23.125	8.03	-92.8	0.9	-1.1
10/15/2005	10:00:28	28.73	59.422	39.66	5.47	42	48.37	23.116	8.03	-93.0	1.0	-1.1
10/15/2005	10:30:28	28.73	59.478	39.70	5.47	42	48.34	23.099	8.03	-92.9	1.0	-1.1
10/15/2005	11:00:28	28.72	59.493	39.71	5.52	42	48.42	23.151	8.03	-92.8	10.2	-1.2
10/15/2005	11:30:27	28.72	59.465	39.69	5.64	42	48.38	23.122	8.02	-92.4	35.8	-1.1
10/15/2005	12:00:28	28.71	59.466	39.69	5.88	43	48.38	23.126	8.02	-92.4	69.3	-1.1
10/15/2005	12:30:28	28.71	59.493	39.71	6.03	43	48.42	23.149	8.02	-92.2	109.2	-1.2
10/15/2005	13:00:28	28.70	59.404	39.65	6.20	43	48.45	23.176	8.02	-92.0	156.3	-1.1
10/15/2005	13:30:28	28.70	59.479	39.70	6.31	44	48.49	23.197	8.01	-91.9	203.1	-1.1
10/15/2005	14:00:28	28.69	59.491	39.71	6.42	44	48.48	23.195	8.02	-92.0	245.4	-1.2
10/15/2005	14:30:28	28.70	59.471	39.70	6.48	44	48.51	23.216	8.01	-91.9	235.4	-1.1
10/15/2005	15:00:28	28.70	59.495	39.71	6.55	44	48.53	23.228	8.01	-91.9	319.9	-1.1
10/15/2005	15:30:28	28.71	59.493	39.71	6.58	44	48.56	23.248	8.01	-91.9	318.7	-1.1
10/15/2005	16:00:28	28.71	59.500	39.72	6.65	44	48.57	23.253	8.01	-91.6	328.4	-1.1
10/15/2005	16:30:28	28.71	59.506	39.72	6.65	44	48.58	23.261	8.01	-91.4	353.3	-1.2
10/15/2005	17:00:28	28.70	59.500	39.72	6.66	44	48.56	23.247	8.01	-91.6	301.9	-1.1
10/15/2005	17:30:28	28.70	59.507	39.72	6.66	44	48.53	23.230	8.01	-91.7	334.2	-1.2
10/15/2005	18:00:28	28.69	59.473	39.70	6.65	44	48.52	23.218	8.01	-91.7	363.2	-1.1
10/15/2005	18:30:28	28.69	59.487	39.71	6.60	44	48.49	23.201	8.01	-91.6	312.8	-1.1
10/15/2005	19:00:28	28.69	59.506	39.72	6.57	44	48.49	23.200	8.01	-91.7	321.8	-1.1
10/15/2005	19:30:28	28.69	59.491	39.71	6.50	43	48.46	23.178	8.01	-91.5	236.2	-1.1
10/15/2005	20:00:28	28.70	59.509	39.73	6.42	43	48.41	23.145	8.00	-90.9	182.9	-1.1
10/15/2005	20:30:28	28.70	59.508	39.72	6.30	43	48.36	23.112	8.00	-91.1	134.5	-1.1
10/15/2005	21:00:28	28.71	59.529	39.74	6.16	43	48.34	23.097	8.01	-91.4	86.1	-1.2
10/15/2005	21:30:28	28.71	59.520	39.73	5.99	43	48.32	23.082	8.01	-91.7	43.9	-1.1
10/15/2005	22:00:28	28.70	59.530	39.74	5.80	42	48.33	23.089	8.01	-91.9	14.7	-1.2
10/16/2005	22:30:28	28.70	59.418	39.66	5.62	42	48.27	23.050	8.02	-92.1	1.5	-1.1
10/16/2005	23:00:27	28.69	59.487	39.71	5.57	42	48.26	23.045	8.02	-92.3	1.1	-1.1
10/16/2005	23:30:28	28.68	59.489	39.71	5.52	42	48.26	23.044	8.02	-92.4	1.1	-1.1
10/16/2005	0:00:28	28.68	59.515	39.73	5.54	42	48.28	23.053	8.02	-92.4	1.1	-1.1
10/16/2005	0:30:28	28.67	59.483	39.71	5.50	42	48.27	23.049	8.02	-92.3	1.1	-1.1
10/16/2005	1:00:28	28.66	59.420	39.66	5.52	42	48.30	23.070	8.03	-92.5	1.0	-1.1
10/16/2005	1:30:28	28.65	59.491	39.71	5.49	42	48.30	23.068	8.02	-92.5	1.1	-1.1
10/16/2005	2:00:28	28.64	59.488	39.71	5.46	42	48.33	23.087	8.02	-92.3	1.0	-1.1
10/16/2005	2:30:28	28.63	59.505	39.73	5.48	42	48.34	23.097	8.02	-92.4	1.0	-1.1
10/16/2005	3:00:28	28.62	59.507	39.73	5.49	42	48.37	23.113	8.02	-92.4	1.0	-1.1
10/16/2005	3:30:28	28.61	59.501	39.72	5.50	42	48.39	23.131	8.03	-92.5	1.0	-1.1
10/16/2005	4:00:28	28.61	59.506	39.73	5.43	42	48.42	23.150	8.02	-92.3	1.0	-1.1
10/16/2005	4:30:28	28.61	59.481	39.71	5.45	42	48.43	23.155	8.02	-92.3	1.0	-1.1
10/16/2005	5:00:28	28.60	59.487	39.71	5.44	41	48.45	23.168	8.02	-92.3	0.9	-1.1
10/16/2005	5:30:28	28.59	59.504	39.73	5.53	42	48.46	23.180	8.03	-92.8	1.0	-1.1
10/16/2005	6:00:28	28.60	59.478	39.71	5.43	42	48.47	23.183	8.03	-92.8	1.0	-1.1
10/16/2005	6:30:28	28.60	59.496	39.72	5.44	42	48.44	23.164	8.03	-93.0	1.0	-1.1
10/16/2005	7:00:28	28.59	59.521	39.74	5.47	41	48.47	23.182	8.04	-93.2	0.9	-1.2
10/16/2005	7:30:28	28.61	59.517	39.73	5.47	42	48.40	23.136	8.04	-93.4	1.0	-1.2
10/16/2005	8:00:28	28.62	59.519	39.74	5.43	42	48.40	23.136	8.04	-93.3	0.9	-1.2
10/16/2005	8:30:28	28.62	59.496	39.72	5.41	42	48.34	23.098	8.04	-93.3	0.9	-1.1
10/16/2005	9:00:28	28.61	59.502	39.72	5.40	41	48.35	23.104	8.04	-93.3	1.0	-1.1
10/16/2005	9:30:28	28.61	59.496	39.72	5.36	41	48.32	23.081	8.04	-93.3	0.9	-1.1
10/16/2005	10:00:28	28.60	59.472	39.70	5.40	41	48.32	23.082	8.04	-93.4	0.9	-1.1
10/16/2005	10:30:28	28.58	59.474	39.70	5.41	41	48.28	23.057	8.04	-93.4	1.0	-1.1
10/16/2005	11:00:28	28.57	59.475	39.70	5.43	42	48.30	23.068	8.04	-93.3	8.8	-1.2
10/16/2005	11:30:27	28.56	59.434	39.67	5.58	42	48.27	23.049	8.04	-93.1	31.5	-1.1
10/16/2005	12:00:28	28.56	59.459	39.69	5.77	42	48.30	23.068	8.03	-93.0	59.3	-0.2
10/16/2005	12:30:28	28.56	59.404	39.65	5.89	42	48.32	23.084	8.03	-92.8	80.8	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/16/2005	13:00:28	28.55	59.447	39.68	6.10	43	48.37	23.113	8.03	-92.9	159.2	-1.2
10/16/2005	13:30:28	28.56	59.447	39.68	6.23	43	48.36	23.111	8.03	-92.8	212.6	-1.1
10/16/2005	14:00:28	28.56	59.452	39.69	6.33	43	48.41	23.141	8.03	-92.7	302.1	-1.1
10/16/2005	14:30:28	28.57	59.434	39.67	6.32	43	48.45	23.172	8.03	-92.7	300.8	-1.1
10/16/2005	15:00:28	28.57	59.448	39.68	6.40	43	48.54	23.231	8.03	-92.6	396.6	-1.1
10/16/2005	15:30:28	28.57	59.462	39.69	6.45	43	48.55	23.237	8.03	-92.6	357.5	-1.2
10/16/2005	16:00:28	28.58	59.451	39.69	6.48	43	48.59	23.265	8.03	-92.6	371.7	-1.2
10/16/2005	16:30:28	28.57	59.422	39.66	6.53	43	48.63	23.297	8.03	-92.6	360.0	-1.1
10/16/2005	17:00:28	28.58	59.448	39.68	6.55	43	48.66	23.316	8.03	-92.7	367.1	-1.1
10/16/2005	17:30:28	28.58	59.477	39.71	6.54	43	48.65	23.312	8.03	-92.7	352.7	-1.2
10/16/2005	18:00:28	28.58	59.471	39.70	6.50	43	48.68	23.330	8.03	-92.7	366.6	-1.1
10/16/2005	18:30:28	28.59	59.474	39.70	6.52	43	48.69	23.335	8.03	-92.8	306.6	-1.1
10/16/2005	19:00:28	28.59	59.397	39.64	6.46	43	48.68	23.331	8.03	-92.8	270.0	-1.1
10/16/2005	19:30:28	28.59	59.458	39.69	6.41	43	48.66	23.313	8.03	-92.9	221.6	-1.2
10/16/2005	20:00:28	28.59	59.483	39.71	6.30	43	48.65	23.306	8.03	-93.0	177.6	-1.2
10/16/2005	20:30:28	28.58	59.479	39.71	6.22	42	48.60	23.273	8.03	-93.0	124.9	-1.2
10/16/2005	21:00:28	28.58	59.485	39.71	6.09	42	48.59	23.268	8.03	-92.9	83.6	-1.2
10/16/2005	21:30:28	28.58	59.464	39.70	5.87	42	48.57	23.252	8.03	-92.9	41.6	-1.1
10/16/2005	22:00:28	28.57	59.472	39.70	5.73	42	48.54	23.236	8.03	-93.0	13.4	-1.2
10/17/2005	22:30:28	28.57	59.479	39.71	5.56	41	48.51	23.210	8.04	-93.1	1.3	-1.2
10/17/2005	23:00:27	28.56	59.474	39.70	5.47	42	48.46	23.180	8.04	-93.4	1.0	-1.2
10/17/2005	23:30:28	28.56	59.472	39.70	5.40	41	48.46	23.176	8.04	-93.3	1.0	-1.2
10/17/2005	0:00:28	28.56	59.467	39.70	5.37	41	48.42	23.150	8.04	-93.2	1.0	-1.1
10/17/2005	0:30:28	28.54	59.449	39.69	5.47	41	48.41	23.147	8.04	-93.5	0.9	-1.2
10/17/2005	1:00:28	28.54	59.440	39.68	5.42	41	48.42	23.149	8.04	-93.5	0.9	-1.2
10/17/2005	1:30:28	28.53	59.451	39.69	5.44	41	48.41	23.142	8.04	-93.6	0.9	-1.2
10/17/2005	2:00:28	28.53	59.393	39.64	5.46	41	48.39	23.133	8.04	-93.6	0.9	-1.1
10/17/2005	2:30:28	28.53	59.431	39.67	5.40	41	48.40	23.135	8.04	-93.3	0.9	-1.1
10/17/2005	3:00:28	28.52	59.450	39.69	5.41	41	48.41	23.145	8.04	-93.1	0.9	-1.1
10/17/2005	3:30:28	28.52	59.440	39.68	5.37	41	48.41	23.146	8.03	-92.8	0.9	-1.2
10/17/2005	4:00:28	28.52	59.416	39.66	5.38	41	48.43	23.157	8.04	-93.1	0.9	-1.1
10/17/2005	4:30:28	28.52	59.446	39.68	5.34	41	48.43	23.160	8.04	-93.1	0.9	-1.2
10/17/2005	5:00:28	28.51	59.443	39.68	5.37	41	48.44	23.163	8.04	-93.3	0.9	-1.2
10/17/2005	5:30:28	28.51	59.444	39.68	5.30	41	48.45	23.171	8.03	-93.0	0.9	-1.2
10/17/2005	6:00:28	28.50	59.418	39.66	5.46	41	48.42	23.149	8.04	-93.4	0.9	-1.2
10/17/2005	6:30:28	28.50	59.437	39.68	5.36	41	48.39	23.131	8.04	-93.6	0.9	-1.2
10/17/2005	7:00:28	28.50	59.427	39.67	5.43	41	48.38	23.120	8.04	-93.6	0.9	-1.2
10/17/2005	7:30:28	28.50	59.415	39.66	5.38	41	48.34	23.096	8.04	-93.4	0.9	-1.1
10/17/2005	8:00:28	28.50	59.436	39.68	5.43	41	48.30	23.068	8.04	-93.4	0.9	-1.2
10/17/2005	8:30:28	28.50	59.431	39.67	5.32	41	48.25	23.035	8.04	-93.3	0.9	-1.2
10/17/2005	9:00:28	28.50	59.415	39.66	5.40	41	48.21	23.006	8.04	-93.4	0.9	-1.1
10/17/2005	9:30:28	28.50	59.438	39.68	5.29	41	48.19	22.990	8.04	-93.3	0.9	-1.2
10/17/2005	10:00:28	28.48	59.422	39.67	5.27	41	48.14	22.957	8.04	-93.5	0.9	-1.2
10/17/2005	10:30:28	28.48	59.420	39.67	5.36	41	48.12	22.945	8.04	-93.5	0.9	-1.2
10/17/2005	11:00:28	28.46	59.419	39.67	5.38	41	48.09	22.924	8.04	-93.4	9.1	-1.2
10/17/2005	11:30:27	28.45	59.396	39.65	5.46	41	48.07	22.912	8.04	-93.1	32.0	-1.1
10/17/2005	12:00:28	28.40	59.306	39.58	5.77	42	48.08	22.915	8.04	-93.1	63.3	-1.1
10/17/2005	12:30:28	28.38	59.323	39.60	5.86	42	48.08	22.918	8.03	-93.0	98.1	-1.1
10/17/2005	13:00:28	28.38	59.343	39.61	5.94	42	48.10	22.934	8.03	-92.8	142.4	-1.1
10/17/2005	13:30:28	28.31	59.276	39.56	6.04	42	48.12	22.947	8.03	-92.8	183.7	-1.1
10/17/2005	14:00:28	28.30	59.273	39.56	6.06	42	48.16	22.976	8.03	-92.7	226.2	-1.1
10/17/2005	14:30:28	28.30	59.266	39.56	6.16	42	48.21	23.005	8.03	-92.8	255.7	-1.2
10/17/2005	15:00:28	28.28	59.250	39.54	6.17	42	48.25	23.034	8.03	-92.5	272.7	-1.1
10/17/2005	15:30:28	28.27	59.233	39.53	6.23	42	48.31	23.074	8.02	-92.4	325.0	-1.1
10/17/2005	16:00:28	28.26	59.228	39.53	6.25	43	48.38	23.122	8.03	-92.5	322.4	-1.2
10/17/2005	16:30:28	28.27	59.219	39.52	6.20	42	48.43	23.155	8.03	-92.5	327.8	-1.2
10/17/2005	17:00:28	28.26	59.202	39.51	6.24	42	48.48	23.193	8.03	-92.7	331.3	-1.1
10/17/2005	17:30:28	28.25	59.196	39.50	6.20	42	48.53	23.229	8.03	-92.8	313.4	-1.2
10/17/2005	18:00:28	28.25	59.189	39.50	6.22	42	48.57	23.257	8.03	-92.8	300.2	-1.1
10/17/2005	18:30:28	28.26	59.193	39.50	6.18	42	48.60	23.278	8.03	-92.8	288.9	-1.2
10/17/2005	19:00:28	28.26	59.193	39.50	6.09	42	48.64	23.304	8.03	-92.7	239.6	-1.2
10/17/2005	19:30:28	28.27	59.199	39.51	6.12	42	48.67	23.322	8.03	-92.8	195.5	-1.2
10/17/2005	20:00:28	28.27	59.185	39.50	6.02	42	48.67	23.326	8.03	-92.7	153.6	-1.1
10/17/2005	20:30:28	28.28	59.200	39.51	5.92	42	48.67	23.324	8.03	-92.8	110.4	-1.2

Appendix 5
Water Quality Data

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
10/17/2005	21:00:28	28.42	59.337	39.61	5.81	41	48.67	23.325	8.02	-92.3	69.7	-1.2
10/17/2005	21:30:28	28.45	59.370	39.63	5.67	41	48.67	23.321	8.02	-92.3	35.8	-1.1
10/17/2005	22:00:28	28.47	59.383	39.64	5.47	41	48.65	23.308	8.02	-92.2	10.4	-1.1
10/18/2005	22:30:28	28.47	59.391	39.64	5.30	41	48.64	23.302	8.02	-92.2	1.1	-1.1
10/18/2005	23:00:27	28.46	59.394	39.65	5.27	41	48.63	23.298	8.02	-92.4	0.9	-1.2
10/18/2005	23:30:28	28.32	59.294	39.58	5.35	41	48.62	23.287	8.03	-92.7	1.0	-1.2
10/18/2005	0:00:28	28.29	59.264	39.55	5.34	41	48.60	23.277	8.03	-93.0	1.0	-1.1
10/18/2005	0:30:28	28.29	59.289	39.57	5.29	41	48.58	23.258	8.04	-93.1	0.9	-1.2
10/18/2005	1:00:28	28.30	59.250	39.54	5.21	41	48.57	23.253	8.03	-93.0	0.9	-1.1
10/18/2005	1:30:28	28.29	59.251	39.54	5.17	41	48.56	23.247	8.03	-93.0	0.9	-1.1
10/18/2005	2:00:28	28.28	59.296	39.58	5.26	41	48.55	23.237	8.04	-93.1	0.9	-1.2
10/18/2005	2:30:28	28.26	59.275	39.56	5.21	41	48.55	23.243	8.04	-93.1	0.9	-1.2
10/18/2005	3:00:28	28.24	59.283	39.57	5.23	41	48.53	23.227	8.04	-93.2	0.9	-1.1
10/18/2005	3:30:28	28.24	59.285	39.57	5.22	41	48.53	23.226	8.04	-93.2	0.9	-1.2
10/18/2005	4:00:28	28.24	59.268	39.56	5.19	41	48.52	23.216	8.04	-93.3	0.9	-1.1
10/18/2005	4:30:28	28.24	59.278	39.57	5.07	40	48.50	23.208	8.04	-93.2	0.9	-1.1
10/18/2005	5:00:28	28.24	59.286	39.57	5.15	40	48.49	23.196	8.04	-93.2	0.9	-1.2
10/18/2005	5:30:28	28.23	59.252	39.55	5.10	40	48.48	23.193	8.04	-93.1	0.9	-1.1
10/18/2005	6:00:28	28.22	59.297	39.58	5.18	41	48.46	23.181	8.04	-93.3	0.9	-1.2
10/18/2005	6:30:28	28.23	59.264	39.56	5.11	40	48.43	23.155	8.04	-93.4	0.9	-1.1
10/18/2005	7:00:28	28.32	59.372	39.64	5.15	41	48.39	23.130	8.05	-93.7	0.9	-1.2
10/18/2005	7:30:28	28.35	59.371	39.63	5.12	40	48.33	23.089	8.05	-93.7	0.9	-1.1
10/18/2005	8:00:28	28.39	59.432	39.68	5.19	41	48.30	23.067	8.05	-93.9	0.9	-1.2
10/18/2005	8:30:28	28.40	59.432	39.68	5.11	41	48.25	23.031	8.05	-93.8	0.9	-1.2
10/18/2005	9:00:28	28.38	59.424	39.67	5.17	41	48.20	22.995	8.05	-93.8	0.9	-1.2
10/18/2005	9:30:28	28.37	59.425	39.67	5.24	41	48.15	22.965	8.05	-94.1	0.9	-1.2
10/18/2005	10:00:28	28.37	59.423	39.67	5.27	41	48.09	22.923	8.05	-94.1	0.9	-1.1
10/18/2005	10:30:28	28.37	59.421	39.67	5.24	41	48.05	22.893	8.05	-94.1	1.0	-1.2
10/18/2005	11:00:28	28.34	59.397	39.65	5.25	41	48.01	22.869	8.05	-94.0	8.8	-1.2
10/18/2005	11:30:27	28.33	59.393	39.65	5.37	41	47.97	22.840	8.05	-93.6	32.1	-1.2
10/18/2005	12:00:28	28.33	59.388	39.65	5.58	41	47.96	22.835	8.05	-93.7	62.8	-1.2
10/18/2005	12:30:28	28.33	59.381	39.64	5.70	41	47.95	22.824	8.05	-93.7	99.6	-1.2
10/18/2005	13:00:28	28.33	59.362	39.63	5.85	42	47.95	22.827	8.05	-93.8	140.6	-1.1
10/18/2005	13:30:28	28.33	59.362	39.63	5.92	42	47.97	22.843	8.05	-93.8	186.8	-1.1
10/18/2005	14:00:28	28.33	59.272	39.56	6.01	42	48.00	22.862	8.05	-93.8	233.1	-1.1
10/18/2005	14:30:28	28.35	59.366	39.63	6.00	42	48.03	22.884	8.05	-93.8	267.3	-1.2
10/18/2005	15:00:28	28.34	59.370	39.63	6.16	42	48.08	22.914	8.05	-93.8	302.1	-1.2
10/18/2005	15:30:28	28.35	59.348	39.62	6.13	42	48.14	22.956	8.05	-93.8	322.1	-1.1
10/18/2005	16:00:28	28.35	59.369	39.63	6.23	42	48.19	22.995	8.05	-93.8	332.5	-1.2
10/18/2005	16:30:28	28.35	59.371	39.63	6.25	42	48.26	23.043	8.05	-93.9	345.8	-1.2
10/18/2005	17:00:28	28.36	59.350	39.62	6.22	42	48.33	23.088	8.05	-94.2	335.5	-1.1
10/18/2005	17:30:28	28.36	59.376	39.64	6.22	42	48.41	23.140	8.06	-94.6	319.2	-1.2
10/18/2005	18:00:28	28.37	59.385	39.64	6.21	42	48.47	23.181	8.06	-94.4	292.0	-1.2
10/18/2005	18:30:28	28.37	59.383	39.64	6.20	42	48.52	23.220	8.06	-94.5	265.5	-1.1
10/18/2005	19:00:28	28.37	59.392	39.65	6.15	42	48.58	23.260	8.06	-94.6	229.2	-1.2
10/18/2005	19:30:28	28.36	59.378	39.64	6.09	42	48.63	23.293	8.06	-94.6	188.0	-1.2
10/18/2005	20:00:28	28.36	59.383	39.64	6.03	42	48.64	23.300	8.06	-94.2	145.8	-1.2
10/18/2005	20:30:28	28.35	59.379	39.64	5.99	42	48.68	23.328	8.06	-94.3	105.9	-1.1
10/18/2005	21:00:28	28.34	59.375	39.64	5.83	41	48.70	23.345	8.05	-94.1	66.3	-1.2
10/18/2005	21:30:28	28.34	59.320	39.59	5.68	41	48.69	23.336	8.05	-93.9	33.1	-1.1
10/18/2005	22:00:28	28.34	59.377	39.64	5.53	41	48.71	23.347	8.05	-93.9	10.4	-0.9
10/19/2005	22:30:28	28.34	59.351	39.62	5.36	41	48.72	23.359	8.05	-93.9	1.2	-1.1
10/19/2005	23:00:27	28.34	59.394	39.65	5.25	41	48.70	23.345	8.05	-94.2	1.0	-1.2
10/19/2005	23:30:28	28.34	59.375	39.64	5.30	41	48.69	23.338	8.05	-94.1	1.0	-1.1
10/19/2005	0:00:28	28.34	59.392	39.65	5.19	40	48.68	23.329	8.05	-94.0	1.0	-1.2
10/19/2005	0:30:28	28.34	59.390	39.65	5.20	41	48.67	23.324	8.05	-94.2	1.0	-1.1
10/19/2005	1:00:28	28.32	59.384	39.64	5.37	41	48.64	23.302	8.06	-94.7	1.0	-1.2
10/19/2005	1:30:28	28.32	59.376	39.64	5.30	41	48.62	23.290	8.06	-94.5	1.0	-1.1
10/19/2005	2:00:28	28.32	59.381	39.64	5.22	40	48.61	23.280	8.06	-94.3	1.0	-1.1
10/19/2005	2:30:28	28.32	59.384	39.64	5.35	41	48.56	23.249	8.06	-94.6	0.9	-1.2
10/19/2005	3:00:28	28.32	59.384	39.64	5.21	41	48.56	23.243	8.06	-94.3	1.0	-1.2
10/19/2005	3:30:28	28.31	59.375	39.64	5.29	41	48.53	23.224	8.06	-94.5	0.9	-1.2
10/19/2005	4:00:28	28.31	59.377	39.64	5.28	41	48.52	23.216	8.06	-94.5	0.9	-1.2
10/19/2005	4:30:28	28.30	59.380	39.64	5.20	40	48.50	23.208	8.06	-94.3	0.9	-1.2

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/19/2005	5:00:28	28.30	59.370	39.63	5.17	40	48.48	23.190	8.06	-94.3	0.9	-1.2
10/19/2005	5:30:28	28.29	59.381	39.64	5.17	40	48.47	23.182	8.06	-94.3	0.9	-1.2
10/19/2005	6:00:28	28.28	59.386	39.65	5.13	41	48.44	23.166	8.05	-94.1	0.9	-1.2
10/19/2005	6:30:28	28.27	59.381	39.64	5.13	40	48.42	23.147	8.05	-94.1	0.9	-1.2
10/19/2005	7:00:28	28.27	59.381	39.64	5.16	40	48.39	23.126	8.05	-94.1	0.9	-1.2
10/19/2005	7:30:28	28.27	59.297	39.58	5.17	41	48.34	23.094	8.05	-94.1	0.9	-1.1
10/19/2005	8:00:28	28.28	59.373	39.64	5.03	40	48.29	23.063	8.05	-93.9	0.9	-1.2
10/19/2005	8:30:28	28.28	59.368	39.63	5.04	40	48.25	23.031	8.05	-93.9	0.9	-1.2
10/19/2005	9:00:28	28.29	59.393	39.65	5.15	40	48.20	22.997	8.06	-94.2	0.9	-1.2
10/19/2005	9:30:28	28.30	59.393	39.65	5.10	41	48.15	22.963	8.05	-94.1	0.9	-1.2
10/19/2005	10:00:28	28.30	59.399	39.66	5.06	40	48.10	22.929	8.05	-94.1	0.9	-1.2
10/19/2005	10:30:28	28.29	59.370	39.63	5.04	41	48.07	22.910	8.05	-94.0	0.9	-1.2
10/19/2005	11:00:28	28.29	59.388	39.65	5.06	40	48.02	22.872	8.05	-93.9	7.5	-1.2
10/19/2005	11:30:27	28.28	59.344	39.61	5.20	41	47.98	22.851	8.05	-93.7	27.3	-1.2
10/19/2005	12:00:28	28.27	59.363	39.63	5.48	41	47.94	22.823	8.05	-94.1	55.0	-1.2
10/19/2005	12:30:28	28.28	59.384	39.65	5.60	41	47.94	22.819	8.05	-94.0	88.0	-1.2
10/19/2005	13:00:28	28.28	59.371	39.64	5.70	41	47.93	22.811	8.05	-94.0	125.1	-1.2
10/19/2005	13:30:28	28.29	59.390	39.65	5.85	42	47.93	22.812	8.05	-94.1	165.6	-1.2
10/19/2005	14:00:28	28.30	59.380	39.64	5.97	42	47.95	22.830	8.05	-94.1	208.4	-1.2
10/19/2005	14:30:28	28.31	59.385	39.65	6.08	42	47.98	22.846	8.05	-94.1	244.1	-1.2
10/19/2005	15:00:28	28.31	59.381	39.64	6.12	42	48.02	22.877	8.05	-94.1	280.5	-1.2
10/19/2005	15:30:28	28.31	59.382	39.64	6.12	42	48.06	22.900	8.05	-94.1	299.9	-1.2
10/19/2005	16:00:28	28.33	59.405	39.66	6.14	42	48.12	22.942	8.06	-94.3	318.4	-1.2
10/19/2005	16:30:28	28.33	59.396	39.65	6.20	42	48.18	22.983	8.06	-94.4	317.2	-1.2
10/19/2005	17:00:28	28.34	59.410	39.66	6.19	42	48.26	23.042	8.06	-94.4	337.8	-1.2
10/19/2005	17:30:28	28.34	59.421	39.67	6.22	42	48.32	23.078	8.06	-94.5	322.5	-1.2
10/19/2005	18:00:28	28.34	59.410	39.66	6.25	42	48.38	23.125	8.06	-94.5	303.0	-1.2
10/19/2005	18:30:28	28.34	59.352	39.62	6.11	42	48.46	23.177	8.07	-94.8	276.2	-1.2
10/19/2005	19:00:28	28.33	59.415	39.67	6.15	42	48.54	23.234	8.06	-94.6	252.8	-1.3
10/19/2005	19:30:28	28.34	59.413	39.66	6.06	42	48.59	23.269	8.06	-94.7	209.1	-1.2
10/19/2005	20:00:28	28.34	59.413	39.67	6.06	42	48.65	23.305	8.06	-94.5	161.8	-1.2
10/19/2005	20:30:28	28.34	59.391	39.65	5.95	41	48.70	23.342	8.06	-94.5	118.4	-1.2
10/19/2005	21:00:28	28.33	59.411	39.66	5.81	42	48.74	23.371	8.06	-94.5	70.3	-1.2
10/19/2005	21:30:28	28.34	59.360	39.63	5.66	41	48.77	23.389	8.06	-94.3	33.8	-1.2
10/19/2005	22:00:28	28.34	59.378	39.64	5.49	41	48.79	23.405	8.06	-94.3	10.5	-1.2
10/20/2005	22:30:28	28.33	59.417	39.67	5.37	41	48.81	23.415	8.06	-94.5	1.1	-1.2
10/20/2005	23:00:27	28.34	59.372	39.63	5.32	41	48.82	23.423	8.06	-94.7	1.0	-1.2
10/20/2005	23:30:28	28.33	59.416	39.67	5.39	41	48.81	23.417	8.07	-94.9	0.9	-1.2
10/20/2005	0:00:28	28.32	59.422	39.67	5.30	41	48.81	23.417	8.06	-94.7	0.9	-1.2
10/20/2005	0:30:28	28.31	59.416	39.67	5.31	41	48.80	23.411	8.06	-94.8	0.9	-1.2
10/20/2005	1:00:28	28.30	59.361	39.63	5.24	40	48.79	23.402	8.06	-94.7	0.9	-1.2
10/20/2005	1:30:28	28.29	59.398	39.66	5.24	41	48.76	23.386	8.06	-94.7	0.9	-1.2
10/20/2005	2:00:28	28.28	59.397	39.66	5.18	40	48.75	23.377	8.06	-94.7	0.9	-1.2
10/20/2005	2:30:28	28.27	59.397	39.66	5.23	41	48.70	23.342	8.06	-94.8	0.9	-1.1
10/20/2005	3:00:28	28.27	59.415	39.67	5.22	41	48.69	23.331	8.06	-94.7	0.9	-1.0
10/20/2005	3:30:28	28.29	59.434	39.68	5.18	40	48.65	23.309	8.06	-94.6	0.9	-0.6
10/20/2005	4:00:28	28.31	59.460	39.70	5.19	40	48.64	23.298	8.06	-94.7	0.9	-0.8
10/20/2005	4:30:28	28.33	59.467	39.71	5.19	40	48.60	23.269	8.06	-94.6	0.9	-1.2
10/20/2005	5:00:28	28.33	59.483	39.72	5.19	40	48.58	23.256	8.06	-94.7	0.9	-0.6
10/20/2005	5:30:28	28.33	59.461	39.70	5.15	41	48.54	23.230	8.06	-94.7	0.9	-1.2
10/20/2005	6:00:28	28.31	59.462	39.70	5.23	41	48.50	23.206	8.07	-94.8	0.9	-1.3
10/20/2005	6:30:28	28.30	59.473	39.71	5.27	40	48.45	23.171	8.07	-95.0	0.9	-0.8
10/20/2005	7:00:28	28.31	59.490	39.72	5.28	41	48.43	23.156	8.07	-95.0	0.9	-0.5
10/20/2005	7:30:28	28.31	59.495	39.73	5.22	40	48.38	23.120	8.07	-94.9	0.8	-1.0
10/20/2005	8:00:28	28.31	59.492	39.73	5.25	41	48.32	23.079	8.07	-95.0	0.9	-1.2
10/20/2005	8:30:28	28.31	59.455	39.70	5.22	40	48.27	23.043	8.07	-94.8	0.9	-1.1
10/20/2005	9:00:28	28.32	59.506	39.74	5.22	41	48.21	23.006	8.07	-94.9	0.8	-1.2
10/20/2005	9:30:28	28.32	59.499	39.73	5.21	41	48.15	22.962	8.07	-95.0	0.9	-1.2
10/20/2005	10:00:28	28.32	59.504	39.73	5.25	41	48.11	22.932	8.07	-95.1	0.8	-1.2
10/20/2005	10:30:28	28.32	59.512	39.74	5.25	41	48.02	22.876	8.07	-95.0	0.9	-1.1
10/20/2005	11:00:28	28.30	59.497	39.73	5.29	41	47.99	22.854	8.07	-94.9	8.1	-1.2
10/20/2005	11:30:27	28.29	59.479	39.72	5.41	41	47.93	22.815	8.06	-94.7	33.5	-1.2
10/20/2005	12:00:28	28.26	59.490	39.73	5.64	41	47.89	22.782	8.06	-94.7	46.6	-1.2
10/20/2005	12:30:28	28.26	59.483	39.72	5.79	42	47.85	22.758	8.06	-94.7	111.1	-1.2

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/20/2005	13:00:28	28.26	59.467	39.71	5.88	42	47.82	22.738	8.06	-94.7	152.1	-1.2
10/20/2005	13:30:28	28.28	59.481	39.72	6.01	42	47.82	22.735	8.06	-94.7	197.2	-1.2
10/20/2005	14:00:28	28.29	59.478	39.72	6.02	42	47.80	22.722	8.06	-94.5	258.8	-1.2
10/20/2005	14:30:28	28.28	59.461	39.70	6.06	42	47.82	22.739	8.06	-94.3	288.8	-1.2
10/20/2005	15:00:28	28.28	59.479	39.72	6.14	42	47.83	22.740	8.06	-94.3	358.2	-1.1
10/20/2005	15:30:28	28.29	59.482	39.72	6.06	42	47.86	22.764	8.06	-94.4	309.1	-1.2
10/20/2005	16:00:28	28.31	59.497	39.73	6.11	42	47.88	22.777	8.05	-94.1	424.5	-1.3
10/20/2005	16:30:28	28.31	59.490	39.72	6.16	42	47.94	22.819	8.05	-94.2	296.1	-1.2
10/20/2005	17:00:28	28.32	59.502	39.73	6.18	42	47.97	22.843	8.06	-94.2	340.1	-1.2
10/20/2005	17:30:28	28.34	59.512	39.74	6.19	42	48.05	22.894	8.06	-94.4	321.4	-1.3
10/20/2005	18:00:28	28.36	59.506	39.74	6.18	42	48.14	22.955	8.06	-94.5	401.7	-1.3
10/20/2005	18:30:28	28.36	59.516	39.74	6.14	42	48.24	23.027	8.06	-94.7	294.0	-1.2
10/20/2005	19:00:28	28.36	59.522	39.75	6.11	42	48.30	23.064	8.06	-94.8	253.2	-1.3
10/20/2005	19:30:28	28.34	59.516	39.74	6.08	42	48.34	23.092	8.06	-94.5	229.1	-1.2
10/20/2005	20:00:28	28.34	59.523	39.75	6.03	42	48.42	23.146	8.06	-94.6	166.2	-1.3
10/20/2005	20:30:28	28.34	59.513	39.74	5.93	41	48.51	23.213	8.06	-94.6	120.6	-1.2
10/20/2005	21:00:28	28.34	59.469	39.71	5.80	41	48.55	23.239	8.06	-94.5	73.0	-1.2
10/20/2005	21:30:28	28.34	59.512	39.74	5.66	41	48.69	23.336	8.06	-94.5	36.7	-1.2
10/20/2005	22:00:28	28.35	59.472	39.71	5.46	41	48.67	23.321	8.06	-94.5	10.3	-1.2
10/21/2005	22:30:28	28.35	59.535	39.76	5.25	40	48.79	23.401	8.06	-94.7	0.9	-1.3
10/21/2005	23:00:27	28.34	59.536	39.76	5.27	40	48.67	23.321	8.07	-94.9	0.8	-1.2
10/21/2005	23:30:28	28.34	59.538	39.76	5.20	41	48.97	23.527	8.06	-94.8	0.7	-1.3
10/21/2005	0:00:28	28.34	59.521	39.75	5.12	40	48.84	23.440	8.06	-94.7	0.8	-1.2
10/21/2005	0:30:28	28.34	59.524	39.75	4.94	40	48.86	23.453	8.05	-94.1	0.7	-1.2
10/21/2005	1:00:28	28.35	59.490	39.72	4.89	40	48.77	23.390	8.05	-94.0	0.7	-1.2
10/21/2005	1:30:28	28.35	59.536	39.76	4.75	40	48.83	23.431	8.05	-93.6	0.7	-1.3
10/21/2005	2:00:28	28.35	59.541	39.76	4.72	40	48.81	23.417	8.05	-93.6	0.7	-1.3
10/21/2005	2:30:28	28.36	59.549	39.77	4.80	40	48.83	23.428	8.05	-93.9	0.7	-1.3
10/21/2005	3:00:28	28.36	59.533	39.76	4.90	40	48.76	23.383	8.06	-94.3	0.7	-1.3
10/21/2005	3:30:28	28.36	59.554	39.77	4.92	40	48.89	23.473	8.06	-94.2	0.7	-1.3
10/21/2005	4:00:28	28.36	59.551	39.77	4.86	40	48.75	23.375	8.05	-94.1	0.7	-1.2
10/21/2005	4:30:28	28.37	59.556	39.77	4.85	40	48.74	23.366	8.05	-94.1	0.7	-1.3
10/21/2005	5:00:28	28.36	59.545	39.76	4.86	40	48.67	23.321	8.05	-94.2	0.7	-1.3
10/21/2005	5:30:28	28.36	59.541	39.76	4.81	40	48.71	23.345	8.05	-94.0	0.7	-1.3
10/21/2005	6:00:28	28.36	59.538	39.76	4.88	40	48.63	23.292	8.05	-94.2	0.7	-1.3
10/21/2005	6:30:28	28.35	59.520	39.75	4.88	40	48.53	23.226	8.06	-94.2	0.6	-1.3
10/21/2005	7:00:28	28.35	59.497	39.73	4.88	40	48.58	23.261	8.06	-94.2	0.6	-1.3
10/21/2005	7:30:28	28.35	59.526	39.75	4.88	40	48.54	23.232	8.06	-94.2	0.6	-1.3
10/21/2005	8:00:28	28.35	59.507	39.74	4.81	40	48.47	23.183	8.05	-94.1	0.7	-1.3
10/21/2005	8:30:28	28.34	59.521	39.75	4.88	40	48.41	23.140	8.06	-94.3	0.6	-1.3
10/21/2005	9:00:28	28.35	59.518	39.74	4.80	40	48.38	23.120	8.05	-94.0	0.6	-1.3
10/21/2005	9:30:28	28.35	59.453	39.70	4.80	40	48.39	23.131	8.05	-94.1	0.6	-1.2
10/21/2005	10:00:28	28.35	59.505	39.73	4.99	40	48.32	23.077	8.06	-94.7	0.6	-1.3
10/21/2005	10:30:28	28.35	59.508	39.74	4.91	40	48.27	23.046	8.06	-94.5	0.6	-1.3
10/21/2005	11:00:28	28.35	59.498	39.73	4.99	40	48.18	22.985	8.06	-94.4	7.6	-1.2
10/21/2005	11:30:27	28.34	59.503	39.73	5.22	41	48.08	22.915	8.06	-94.6	30.6	-1.3
10/21/2005	12:00:28	28.33	59.503	39.73	5.52	41	48.08	22.912	8.06	-94.8	62.9	-1.3
10/21/2005	12:30:28	28.33	59.494	39.73	5.52	41	48.05	22.897	8.06	-94.4	98.7	-1.3
10/21/2005	13:00:28	28.34	59.473	39.71	5.54	41	47.90	22.794	8.05	-94.1	140.7	-1.2
10/21/2005	13:30:28	28.33	59.497	39.73	5.68	41	47.89	22.785	8.06	-94.3	182.0	-1.3
10/21/2005	14:00:28	28.34	59.502	39.73	5.72	41	47.90	22.792	8.05	-94.1	231.4	-1.3
10/21/2005	14:30:28	28.35	59.498	39.73	5.79	41	47.87	22.772	8.06	-94.2	275.2	-1.3
10/21/2005	15:00:28	28.36	59.507	39.74	5.77	41	47.96	22.835	8.05	-94.1	283.0	-1.3
10/21/2005	15:30:28	28.37	59.508	39.74	5.87	41	47.87	22.773	8.05	-94.1	327.6	-1.3
10/21/2005	16:00:28	28.37	59.523	39.75	5.96	42	47.96	22.834	8.05	-94.1	309.0	-1.3
10/21/2005	16:30:28	28.37	59.517	39.74	6.12	42	47.97	22.841	8.06	-94.6	317.9	-1.3
10/21/2005	17:00:28	28.35	59.445	39.69	6.18	42	47.89	22.786	8.07	-95.3	224.3	-1.2
10/21/2005	17:30:28	28.35	59.464	39.70	6.22	42	48.02	22.873	8.07	-95.1	182.9	-1.2
10/21/2005	18:00:28	28.35	59.499	39.73	6.19	42	47.88	22.775	8.07	-95.3	334.3	-1.3
10/21/2005	18:30:28	28.33	59.484	39.72	6.16	42	48.04	22.887	8.08	-95.9	254.9	-1.3
10/21/2005	19:00:28	28.34	59.472	39.71	6.11	42	48.25	23.030	8.08	-95.5	257.2	-1.3
10/21/2005	19:30:28	28.32	59.478	39.72	6.01	42	48.16	22.972	8.07	-95.1	85.3	-1.3
10/21/2005	20:00:28	28.31	59.475	39.71	5.95	41	48.27	23.045	8.08	-95.5	149.6	-1.3
10/21/2005	20:30:28	28.31	59.476	39.71	5.83	41	48.38	23.122	8.07	-95.3	106.5	-1.3

Appendix 5
Water Quality Data

East Flower Garden Bank

October 12, 2005 - November 2, 2005

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/21/2005	21:00:28	28.31	59.442	39.69	5.71	41	48.42	23.152	8.07	-95.0	65.6	-1.2
10/21/2005	21:30:28	28.30	59.469	39.71	5.56	41	48.55	23.241	8.06	-94.8	32.1	-1.2
10/21/2005	22:00:28	28.30	59.476	39.71	5.39	41	48.52	23.219	8.07	-94.8	8.7	-1.3
10/22/2005	22:30:28	28.30	59.470	39.71	5.21	40	48.67	23.316	8.07	-94.9	0.8	-1.3
10/22/2005	23:00:27	28.30	59.460	39.70	5.14	40	48.59	23.266	8.07	-94.9	0.6	-1.3
10/22/2005	23:30:28	28.31	59.474	39.71	5.07	40	48.58	23.259	8.07	-94.9	0.6	-1.2
10/22/2005	0:00:28	28.32	59.461	39.70	5.08	40	48.78	23.398	8.07	-95.0	0.6	-1.3
10/22/2005	0:30:28	28.33	59.332	39.60	5.09	40	48.72	23.354	8.07	-95.0	0.5	-1.3
10/22/2005	1:00:28	28.34	59.486	39.72	5.11	40	48.75	23.376	8.07	-95.2	0.5	-1.3
10/22/2005	1:30:28	28.34	59.462	39.70	5.10	40	48.82	23.422	8.07	-95.0	0.6	-1.3
10/22/2005	2:00:28	28.34	59.434	39.68	5.08	40	48.72	23.353	8.07	-95.0	0.6	-1.3
10/22/2005	2:30:28	28.35	59.479	39.72	5.00	40	48.84	23.434	8.07	-94.8	0.5	-1.3
10/22/2005	3:00:28	28.36	59.468	39.71	5.06	40	48.77	23.390	8.07	-95.1	0.6	-1.3
10/22/2005	3:30:28	28.37	59.464	39.70	5.12	40	48.81	23.414	8.07	-95.4	0.6	-1.3
10/22/2005	4:00:28	28.36	59.396	39.65	5.07	40	48.80	23.410	8.07	-95.2	0.7	-1.2
10/22/2005	4:30:28	28.36	59.468	39.71	5.10	40	48.83	23.428	8.07	-95.4	0.6	-1.3
10/22/2005	5:00:28	28.36	59.461	39.70	5.07	40	48.66	23.316	8.07	-95.2	0.7	-1.3
10/22/2005	5:30:28	28.35	59.455	39.70	5.09	40	48.75	23.377	8.07	-95.3	0.6	-1.3
10/22/2005	6:00:28	28.35	59.436	39.68	5.03	40	48.62	23.285	8.07	-95.1	0.7	-1.3
10/22/2005	6:30:28	28.35	59.475	39.71	5.03	40	48.61	23.278	8.07	-95.2	0.7	-1.3
10/22/2005	7:00:28	28.33	59.465	39.70	5.05	40	48.66	23.315	8.07	-95.2	0.6	-1.3
10/22/2005	7:30:28	28.31	59.464	39.70	5.09	40	48.48	23.190	8.07	-95.3	0.6	-1.3
10/22/2005	8:00:28	28.30	59.481	39.72	5.09	40	48.60	23.271	8.07	-95.3	0.6	-1.3
10/22/2005	8:30:28	28.30	59.488	39.72	5.09	40	48.44	23.163	8.07	-95.3	0.5	-1.2
10/22/2005	9:00:28	28.29	59.455	39.70	5.06	40	48.55	23.236	8.07	-95.3	0.5	-1.3
10/22/2005	9:30:28	28.28	59.479	39.72	5.06	40	48.40	23.138	8.07	-95.3	0.7	-1.3
10/22/2005	10:00:28	28.26	59.469	39.71	5.12	40	48.27	23.048	8.08	-95.5	0.6	-1.3
10/22/2005	10:30:28	28.25	59.464	39.71	5.11	40	48.29	23.057	8.08	-95.4	0.7	-1.3
10/22/2005	11:00:28	28.23	59.488	39.73	5.17	40	48.29	23.057	8.08	-95.5	4.7	-1.3
10/22/2005	11:30:27	28.22	59.416	39.67	5.21	41	48.10	22.926	8.07	-95.1	19.5	-1.3
10/22/2005	12:00:28	28.21	59.395	39.66	5.45	41	48.17	22.978	8.07	-95.2	55.1	-1.2
10/22/2005	12:30:28	28.20	59.446	39.69	5.53	41	48.15	22.962	8.07	-95.1	101.1	-1.3
10/22/2005	13:00:28	28.19	59.474	39.72	5.73	41	47.99	22.855	8.07	-95.2	92.4	-1.3
10/22/2005	13:30:28	28.18	59.472	39.72	5.81	41	47.98	22.849	8.07	-95.2	183.6	-1.3
10/22/2005	14:00:28	28.17	59.475	39.72	5.91	42	47.99	22.850	8.07	-95.1	237.5	-1.3
10/22/2005	14:30:28	28.17	59.481	39.72	5.91	42	47.87	22.772	8.07	-95.2	300.7	-1.3
10/22/2005	15:00:28	28.16	59.478	39.72	6.05	42	47.99	22.854	8.07	-95.2	351.4	-1.3
10/22/2005	15:30:28	28.16	59.423	39.68	6.09	42	47.99	22.855	8.07	-95.2	347.4	-1.2
10/22/2005	16:00:28	28.16	59.392	39.66	6.09	42	48.06	22.899	8.07	-95.1	171.8	-1.2
10/22/2005	16:30:28	28.16	59.491	39.73	6.13	42	47.89	22.784	8.07	-95.3	334.0	-1.3
10/22/2005	17:00:28	28.15	59.488	39.73	6.15	42	47.82	22.732	8.07	-95.3	132.4	-1.3
10/22/2005	17:30:28	28.14	59.421	39.68	6.01	41	47.96	22.831	8.07	-95.2	164.6	-1.2
10/22/2005	18:00:28	28.13	59.483	39.73	6.04	41	47.89	22.782	8.08	-95.6	378.9	-1.3
10/22/2005	18:30:28	28.13	59.493	39.73	6.09	41	48.17	22.976	8.07	-95.3	268.6	-1.2
10/22/2005	19:00:28	28.13	59.495	39.73	6.04	41	48.00	22.860	8.08	-95.5	282.0	-1.3
10/22/2005	19:30:28	28.14	59.509	39.74	5.97	41	48.03	22.876	8.08	-95.5	158.6	-1.3
10/22/2005	20:00:28	28.17	59.434	39.69	5.88	41	48.13	22.952	8.08	-95.5	131.4	-1.2
10/22/2005	20:30:28	28.18	59.514	39.75	5.79	41	48.27	23.044	8.07	-95.2	115.8	-1.3
10/22/2005	21:00:28	28.19	59.500	39.74	5.69	41	48.17	22.978	8.07	-95.2	40.5	-1.3
10/22/2005	21:30:28	28.18	59.482	39.72	5.54	41	48.42	23.146	8.07	-95.2	27.9	-1.3
10/22/2005	22:00:28	28.18	59.491	39.73	5.36	40	48.36	23.106	8.07	-95.3	8.5	-0.8
10/23/2005	22:30:28	28.17	59.481	39.72	5.18	40	48.40	23.133	8.08	-95.4	0.8	-1.3
10/23/2005	23:00:27	28.17	59.454	39.70	5.16	40	48.65	23.308	8.08	-95.6	0.7	-1.2
10/23/2005	23:30:28	28.17	59.471	39.72	5.14	40	48.67	23.320	8.08	-95.6	0.7	-1.2
10/23/2005	0:00:28	28.16	59.469	39.71	5.11	40	49.56	23.930	8.08	-95.6	0.7	-1.3
10/23/2005	0:30:28	28.16	59.398	39.66	5.07	40	48.82	23.420	8.08	-95.5	0.6	-1.2
10/23/2005	1:00:28	28.16	59.468	39.71	5.09	40	48.82	23.421	8.08	-95.6	0.6	-1.3
10/23/2005	1:30:28	28.14	59.460	39.71	5.09	40	48.55	23.234	8.08	-95.7	0.6	-1.3
10/23/2005	2:00:28	28.14	59.482	39.72	5.07	40	48.70	23.342	8.08	-95.5	0.7	-1.3
10/23/2005	2:30:28	28.13	59.486	39.73	5.06	40	48.59	23.262	8.08	-95.5	0.7	-1.3
10/23/2005	3:00:28	28.13	59.483	39.73	5.05	40	48.68	23.324	8.08	-95.5	0.6	-1.3
10/23/2005	3:30:28	28.11	59.473	39.72	5.06	40	48.86	23.449	8.08	-95.6	0.6	-1.3
10/23/2005	4:00:28	28.10	59.354	39.63	5.05	40	48.87	23.454	8.08	-95.6	0.6	-1.2
10/23/2005	4:30:28	28.08	59.420	39.68	5.04	40	48.84	23.438	8.08	-95.6	0.6	-1.3

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/23/2005	5:00:28	28.08	59.410	39.67	5.03	40	48.86	23.447	8.08	-95.7	0.6	-1.3
10/23/2005	5:30:28	28.09	59.403	39.67	4.98	40	48.77	23.387	8.08	-95.6	0.7	-1.3
10/23/2005	6:00:28	28.11	59.393	39.66	5.01	40	48.78	23.395	8.08	-95.6	0.6	-1.3
10/23/2005	6:30:28	28.13	59.419	39.68	4.99	40	48.72	23.351	8.08	-95.6	0.6	-1.3
10/23/2005	7:00:28	28.13	59.443	39.70	5.00	40	48.66	23.311	8.08	-95.5	0.6	-1.3
10/23/2005	7:30:28	28.12	59.434	39.69	4.98	40	48.70	23.339	8.08	-95.5	0.6	-1.3
10/23/2005	8:00:28	28.12	59.408	39.67	4.97	40	48.61	23.281	8.08	-95.5	0.6	-1.3
10/23/2005	8:30:28	28.10	59.397	39.66	4.97	40	48.75	23.376	8.08	-95.5	0.6	-1.3
10/23/2005	9:00:28	28.09	59.407	39.67	4.99	40	48.40	23.137	8.08	-95.6	0.6	-1.3
10/23/2005	9:30:28	28.09	59.399	39.66	4.99	40	48.52	23.217	8.08	-95.7	0.6	-1.3
10/23/2005	10:00:28	28.08	59.412	39.67	4.99	40	48.33	23.085	8.08	-95.7	0.6	-1.3
10/23/2005	10:30:28	28.08	59.400	39.66	4.98	40	48.44	23.160	8.08	-95.6	0.6	-1.3
10/23/2005	11:00:28	28.08	59.387	39.65	5.02	40	48.24	23.022	8.08	-95.7	6.2	-1.3
10/23/2005	11:30:27	28.09	59.431	39.69	5.10	40	48.42	23.146	8.07	-95.3	26.7	-1.3
10/23/2005	12:00:28	28.07	59.439	39.69	5.34	41	48.13	22.951	8.08	-95.3	54.4	-1.3
10/23/2005	12:30:28	28.06	59.405	39.67	5.49	41	48.09	22.923	8.07	-95.3	88.9	-1.3
10/23/2005	13:00:28	28.06	59.438	39.69	5.57	41	48.39	23.125	8.07	-95.2	124.0	-1.3
10/23/2005	13:30:28	28.05	59.439	39.69	5.69	41	48.06	22.897	8.07	-95.3	165.7	-1.3
10/23/2005	14:00:28	28.04	59.445	39.70	5.76	41	48.11	22.932	8.07	-95.2	206.7	-1.3
10/23/2005	14:30:28	28.05	59.438	39.69	5.83	41	48.07	22.904	8.07	-95.3	214.7	-1.2
10/23/2005	15:00:28	28.04	59.360	39.63	5.89	42	47.97	22.841	8.07	-95.3	281.4	-1.3
10/23/2005	15:30:28	28.05	59.397	39.66	5.92	42	47.96	22.830	8.08	-95.4	300.1	-1.3
10/23/2005	16:00:28	28.04	59.444	39.70	5.96	41	47.65	22.619	8.07	-95.3	269.2	-1.3
10/23/2005	16:30:28	28.04	59.423	39.68	5.98	41	47.72	22.670	8.07	-95.3	355.4	-1.3
10/23/2005	17:00:28	28.05	59.400	39.67	5.99	41	47.85	22.757	8.08	-95.7	338.5	-1.3
10/23/2005	17:30:28	28.05	59.435	39.69	5.98	41	47.82	22.736	8.08	-95.5	358.9	-1.3
10/23/2005	18:00:28	28.05	59.430	39.69	5.96	41	47.95	22.822	8.08	-95.7	297.2	-1.3
10/23/2005	18:30:28	28.04	59.440	39.70	5.92	41	47.88	22.779	8.08	-95.6	277.9	-0.4
10/23/2005	19:00:28	28.04	59.427	39.69	5.89	41	47.73	22.672	8.08	-95.5	241.7	-1.3
10/23/2005	19:30:28	28.04	59.444	39.70	5.82	41	48.04	22.889	8.08	-95.7	193.7	-1.3
10/23/2005	20:00:28	28.04	59.452	39.70	5.76	41	47.93	22.812	8.08	-95.4	150.9	-1.3
10/23/2005	20:30:28	28.03	59.440	39.70	5.67	41	48.04	22.884	8.08	-95.5	108.0	-1.3
10/23/2005	21:00:28	28.02	59.435	39.69	5.53	41	48.00	22.859	8.08	-95.3	62.8	-1.3
10/23/2005	21:30:28	28.00	59.416	39.68	5.41	40	48.20	22.993	8.07	-95.3	31.2	-1.3
10/23/2005	22:00:28	27.98	59.411	39.68	5.23	40	48.21	23.000	8.08	-95.3	8.0	-1.3
10/24/2005	22:30:28	27.97	59.412	39.68	5.08	40	48.30	23.062	8.08	-95.5	0.8	-1.3
10/24/2005	23:00:27	27.95	59.406	39.67	5.07	40	48.31	23.074	8.08	-95.7	0.6	-1.3
10/24/2005	23:30:28	27.94	59.300	39.59	5.03	40	48.46	23.173	8.08	-95.7	0.6	-1.2
10/24/2005	0:00:28	27.92	59.356	39.64	5.03	40	48.54	23.230	8.08	-95.8	0.6	-1.2
10/24/2005	0:30:28	27.90	59.387	39.66	5.02	40	48.54	23.227	8.08	-95.8	0.6	-1.3
10/24/2005	1:00:28	27.88	59.392	39.66	5.00	40	48.56	23.243	8.08	-95.7	0.7	-1.3
10/24/2005	1:30:28	27.88	59.376	39.65	4.99	40	49.00	23.546	8.08	-95.8	0.6	-1.0
10/24/2005	2:00:28	27.88	59.317	39.61	4.97	40	48.71	23.348	8.08	-95.8	0.6	-1.3
10/24/2005	2:30:28	27.88	59.319	39.61	4.97	40	48.79	23.404	8.08	-95.8	0.6	-1.2
10/24/2005	3:00:28	27.89	59.356	39.64	4.97	40	48.76	23.377	8.09	-95.9	0.6	-1.2
10/24/2005	3:30:28	27.90	59.360	39.64	4.92	40	48.81	23.413	8.08	-95.8	0.6	-1.3
10/24/2005	4:00:28	27.90	59.346	39.63	4.95	40	48.50	23.201	8.09	-95.9	0.6	-1.2
10/24/2005	4:30:28	27.91	59.292	39.59	4.92	40	48.74	23.364	8.08	-95.8	0.6	-1.0
10/24/2005	5:00:28	27.91	59.364	39.64	4.91	40	48.15	22.963	8.08	-95.8	0.6	-0.8
10/24/2005	5:30:28	27.90	59.367	39.65	4.94	40	48.58	23.259	8.09	-95.9	0.5	-1.1
10/24/2005	6:00:28	27.88	59.387	39.66	4.97	40	48.96	23.517	8.09	-95.9	0.6	-1.1
10/24/2005	6:30:28	27.88	59.284	39.58	4.95	40	48.41	23.143	8.08	-95.9	0.6	0.3
10/24/2005	7:00:28	27.87	59.395	39.67	4.94	40	48.66	23.309	8.09	-95.9	0.6	-0.7
10/24/2005	7:30:28	27.88	59.359	39.64	4.96	40	48.40	23.136	8.09	-95.9	0.6	-0.7
10/24/2005	8:00:28	27.86	59.396	39.67	4.94	40	48.98	23.532	8.09	-95.9	0.6	-1.1
10/24/2005	8:30:28	27.85	59.395	39.67	4.94	40	48.43	23.156	8.09	-95.9	0.6	-1.1
10/24/2005	9:00:28	27.85	59.400	39.67	4.93	40	48.42	23.147	8.09	-95.9	0.6	-1.1
10/24/2005	9:30:28	27.85	59.375	39.65	4.93	40	49.10	23.610	8.09	-95.9	0.6	-1.1
10/24/2005	10:00:28	27.86	59.377	39.65	4.93	40	47.90	22.789	8.09	-95.9	0.6	-1.2
10/24/2005	10:30:28	27.86	59.291	39.59	4.95	40	48.93	23.498	8.09	-96.0	0.6	-1.2
10/24/2005	11:00:28	27.86	59.310	39.60	4.95	40	48.39	23.124	8.09	-95.9	4.0	-1.2
10/24/2005	11:30:27	27.85	59.376	39.65	5.05	40	48.11	22.932	8.08	-95.8	20.4	-1.2
10/24/2005	12:00:28	27.84	59.383	39.66	5.20	40	47.96	22.828	8.08	-95.6	48.3	1.1
10/24/2005	12:30:28	27.84	59.389	39.66	5.33	40	48.18	22.984	8.08	-95.6	52.0	-1.2

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/24/2005	13:00:28	27.84	59.323	39.61	5.46	40	48.12	22.942	8.08	-95.6	106.4	-1.3
10/24/2005	13:30:28	27.84	59.363	39.64	5.57	41	47.93	22.808	8.08	-95.5	177.0	-1.3
10/24/2005	14:00:28	27.82	59.350	39.63	5.63	41	48.15	22.962	8.08	-95.6	94.5	-0.7
10/24/2005	14:30:28	27.82	59.341	39.63	5.68	41	48.14	22.952	8.08	-95.5	212.3	-1.3
10/24/2005	15:00:28	27.82	59.242	39.55	5.75	41	47.85	22.753	8.08	-95.6	263.5	-1.3
10/24/2005	15:30:28	27.81	59.300	39.60	5.79	41	47.73	22.675	8.08	-95.5	271.4	-1.3
10/24/2005	16:00:28	27.81	59.172	39.50	5.82	41	47.02	22.190	8.08	-95.5	237.1	-1.2
10/24/2005	16:30:28	27.80	59.300	39.60	5.83	41	47.79	22.715	8.08	-95.5	281.2	-1.3
10/24/2005	17:00:28	27.79	59.294	39.59	5.82	41	47.65	22.621	8.08	-95.6	322.1	-1.3
10/24/2005	17:30:28	27.81	59.291	39.59	5.80	41	48.08	22.911	8.08	-95.6	142.2	-1.3
10/24/2005	18:00:28	27.82	59.154	39.49	5.76	41	47.94	22.817	8.09	-95.9	370.5	-1.2
10/24/2005	18:30:28	27.81	59.268	39.57	5.75	41	47.54	22.546	8.08	-95.6	268.5	-1.3
10/24/2005	19:00:28	27.81	59.246	39.56	5.69	40	47.86	22.766	8.08	-95.8	222.8	-1.2
10/24/2005	19:30:28	27.79	59.220	39.54	5.60	40	47.66	22.625	8.08	-95.6	48.9	-1.3
10/24/2005	20:00:28	27.75	59.114	39.46	5.54	40	47.82	22.738	8.08	-95.6	52.8	-1.2
10/24/2005	20:30:28	27.74	59.185	39.51	5.46	40	47.93	22.808	8.08	-95.6	97.5	-1.3
10/24/2005	21:00:28	27.75	59.122	39.46	5.34	40	47.94	22.816	8.08	-95.6	55.3	-1.3
10/24/2005	21:30:28	27.76	59.240	39.55	5.21	40	48.08	22.913	8.08	-95.6	27.9	-1.3
10/24/2005	22:00:28	27.77	59.228	39.54	5.03	39	48.14	22.954	8.08	-95.5	6.8	-1.3
10/25/2005	22:30:28	27.74	59.183	39.51	4.97	39	48.27	23.043	8.08	-95.8	0.6	-1.1
10/25/2005	23:00:27	27.73	59.186	39.51	4.90	39	48.29	23.056	8.09	-95.9	0.5	-1.3
10/25/2005	23:30:28	27.71	59.215	39.54	4.90	39	48.36	23.103	8.09	-96.0	0.6	-1.3
10/25/2005	0:00:28	27.70	59.263	39.57	4.81	39	48.36	23.103	8.08	-95.8	0.6	-1.3
10/25/2005	0:30:28	27.69	59.264	39.57	4.78	39	48.24	23.025	8.08	-95.8	0.6	-1.3
10/25/2005	1:00:28	27.65	59.183	39.51	4.79	39	48.40	23.137	8.09	-95.8	0.6	-1.3
10/25/2005	1:30:28	27.63	59.224	39.55	4.74	39	48.49	23.196	8.08	-95.7	0.6	-1.3
10/25/2005	2:00:28	27.61	59.245	39.56	4.71	39	48.52	23.216	8.08	-95.6	0.5	-1.3
10/25/2005	2:30:28	27.60	59.236	39.56	4.72	39	48.52	23.212	8.08	-95.8	0.5	-1.3
10/25/2005	3:00:28	27.60	59.240	39.56	4.70	39	48.77	23.388	8.08	-95.7	0.5	-1.3
10/25/2005	3:30:28	27.59	59.220	39.54	4.75	39	48.75	23.370	8.09	-95.9	0.5	-1.3
10/25/2005	4:00:28	27.60	59.187	39.52	4.69	39	48.48	23.185	8.08	-95.7	0.5	-1.3
10/25/2005	4:30:28	27.57	59.242	39.56	4.77	39	48.73	23.357	8.09	-95.9	0.5	-1.3
10/25/2005	5:00:28	27.59	59.140	39.48	4.75	39	48.49	23.196	8.09	-95.9	0.5	-1.2
10/25/2005	5:30:28	27.59	59.252	39.57	4.72	39	48.69	23.331	8.09	-95.9	0.5	-1.3
10/25/2005	6:00:28	27.59	59.256	39.57	4.74	39	48.63	23.293	8.09	-95.9	0.5	-1.3
10/25/2005	6:30:28	27.59	59.225	39.55	4.73	39	48.45	23.166	8.09	-96.0	0.5	-1.3
10/25/2005	7:00:28	27.58	59.230	39.55	4.71	39	48.67	23.319	8.09	-95.9	0.5	-1.3
10/25/2005	7:30:28	27.56	59.245	39.56	4.73	39	48.61	23.274	8.09	-95.9	0.5	-1.3
10/25/2005	8:00:28	27.55	59.209	39.54	4.70	39	48.53	23.221	8.09	-95.8	0.5	-1.3
10/25/2005	8:30:28	27.54	59.219	39.54	4.70	39	48.59	23.262	8.09	-95.8	0.5	-1.3
10/25/2005	9:00:28	27.52	59.215	39.54	4.73	39	48.53	23.219	8.09	-95.9	0.5	-1.3
10/25/2005	9:30:28	27.51	59.136	39.48	4.72	39	48.55	23.237	8.09	-95.9	0.5	-1.2
10/25/2005	10:00:28	27.51	59.126	39.48	4.77	39	48.49	23.197	8.09	-96.1	0.5	-1.1
10/25/2005	10:30:28	27.51	59.120	39.47	4.75	39	48.50	23.199	8.09	-96.1	0.5	-1.0
10/25/2005	11:00:28	27.49	59.217	39.54	4.74	39	48.51	23.209	8.09	-95.9	4.4	-1.3
10/25/2005	11:30:27	27.49	59.192	39.53	4.84	39	48.42	23.145	8.08	-95.8	20.4	-1.2
10/25/2005	12:00:28	27.48	59.245	39.57	4.97	39	48.38	23.117	8.08	-95.6	46.9	-1.2
10/25/2005	12:30:28	27.45	59.205	39.54	5.11	39	48.37	23.110	8.08	-95.6	51.8	-1.2
10/25/2005	13:00:28	27.45	59.299	39.61	5.26	40	48.28	23.046	8.08	-95.6	130.8	-1.3
10/25/2005	13:30:28	27.46	59.309	39.61	5.31	39	48.32	23.075	8.08	-95.6	151.7	-1.2
10/25/2005	14:00:28	27.46	59.315	39.62	5.47	40	48.17	22.971	8.08	-95.6	231.7	-1.3
10/25/2005	14:30:28	27.46	59.341	39.64	5.51	40	48.25	23.028	8.08	-95.8	250.0	-1.0
10/25/2005	15:00:28	27.45	59.260	39.58	5.58	40	48.25	23.028	8.08	-95.8	268.2	-1.2
10/25/2005	15:30:28	27.44	59.349	39.65	5.60	40	48.17	22.972	8.08	-95.8	102.2	-1.3
10/25/2005	16:00:28	27.45	59.336	39.64	5.67	40	48.15	22.961	8.09	-96.0	303.5	-1.2
10/25/2005	16:30:28	27.44	59.340	39.64	5.67	40	48.16	22.968	8.09	-96.0	332.6	-1.3
10/25/2005	17:00:28	27.47	59.308	39.61	5.66	40	47.94	22.811	8.09	-95.9	357.3	-1.3
10/25/2005	17:30:28	27.49	59.318	39.62	5.64	40	48.09	22.920	8.10	-96.4	343.3	-1.3
10/25/2005	18:00:28	27.51	59.316	39.62	5.63	40	48.08	22.911	8.09	-96.2	332.0	-1.2
10/25/2005	18:30:28	27.51	59.340	39.64	5.57	39	48.00	22.859	8.10	-96.6	246.3	-1.3
10/25/2005	19:00:28	27.52	59.323	39.62	5.54	39	47.96	22.828	8.10	-96.4	196.6	-1.2
10/25/2005	19:30:28	27.52	59.334	39.63	5.47	39	48.01	22.864	8.10	-96.4	186.3	-1.3
10/25/2005	20:00:28	27.52	59.318	39.62	5.38	39	48.03	22.874	8.09	-96.1	138.8	-1.2
10/25/2005	20:30:28	27.50	59.297	39.60	5.29	39	48.06	22.900	8.09	-95.8	99.1	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank

October 12, 2005 - November 2, 2005

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/25/2005	21:00:28	27.47	59.339	39.64	5.15	39	48.11	22.932	8.09	-95.8	59.3	-1.1
10/25/2005	21:30:28	27.45	59.328	39.63	5.03	39	48.09	22.918	8.08	-95.6	27.4	-1.1
10/25/2005	22:00:28	27.44	59.202	39.53	4.81	38	48.22	23.006	8.08	-95.5	6.3	-1.2
10/26/2005	22:30:28	27.40	59.326	39.63	4.69	38	48.17	22.974	8.08	-95.6	0.6	-1.3
10/26/2005	23:00:27	27.37	59.306	39.62	4.61	38	48.18	22.982	8.08	-95.5	0.5	-1.2
10/26/2005	23:30:28	27.36	59.332	39.64	4.61	38	48.26	23.036	8.08	-95.7	0.5	-1.2
10/26/2005	0:00:28	27.36	59.368	39.66	4.58	38	48.36	23.102	8.08	-95.8	0.5	-1.3
10/26/2005	0:30:28	27.36	59.359	39.66	4.51	38	48.40	23.132	8.08	-95.7	0.5	-1.1
10/26/2005	1:00:28	27.37	59.382	39.67	4.52	37	48.44	23.154	8.08	-95.8	0.5	-1.2
10/26/2005	1:30:28	27.36	59.378	39.67	4.49	38	48.45	23.163	8.08	-95.6	0.5	-1.1
10/26/2005	2:00:28	27.36	59.396	39.68	4.42	37	48.44	23.158	8.08	-95.4	0.5	-1.2
10/26/2005	2:30:28	27.35	59.376	39.67	4.41	37	48.52	23.208	8.08	-95.4	0.5	-1.1
10/26/2005	3:00:28	27.35	59.410	39.70	4.40	37	48.53	23.217	8.08	-95.4	0.5	-1.3
10/26/2005	3:30:28	27.35	59.381	39.67	4.31	37	48.51	23.203	8.07	-95.2	0.5	-1.2
10/26/2005	4:00:28	27.30	59.323	39.63	4.42	37	48.55	23.233	8.08	-95.5	0.5	-1.3
10/26/2005	4:30:28	27.31	59.325	39.63	4.35	37	48.57	23.248	8.08	-95.3	0.5	-1.3
10/26/2005	5:00:28	27.31	59.271	39.59	4.38	37	48.55	23.235	8.08	-95.6	0.4	-1.1
10/26/2005	5:30:28	27.31	59.306	39.62	4.37	37	48.56	23.238	8.08	-95.5	0.5	-1.2
10/26/2005	6:00:28	27.32	59.274	39.59	4.39	37	48.56	23.242	8.08	-95.6	0.5	-1.1
10/26/2005	6:30:28	27.33	59.301	39.61	4.34	37	48.55	23.232	8.08	-95.5	0.5	-1.1
10/26/2005	7:00:28	27.35	59.286	39.60	4.39	37	48.54	23.224	8.08	-95.7	0.5	-1.2
10/26/2005	7:30:28	27.37	59.276	39.59	4.36	37	48.49	23.194	8.08	-95.7	0.5	-1.1
10/26/2005	8:00:28	27.38	59.299	39.61	4.43	37	48.47	23.181	8.09	-95.8	0.5	-1.2
10/26/2005	8:30:28	27.38	59.287	39.60	4.41	37	48.46	23.173	8.09	-95.8	0.5	-1.3
10/26/2005	9:00:28	27.38	59.232	39.56	4.42	37	48.43	23.149	8.09	-95.9	0.5	-1.1
10/26/2005	9:30:28	27.39	59.302	39.61	4.41	37	48.38	23.113	8.09	-95.9	0.5	-1.2
10/26/2005	10:00:28	27.39	59.271	39.59	4.38	37	48.38	23.114	8.09	-95.8	0.5	-1.0
10/26/2005	10:30:28	27.39	59.299	39.61	4.35	37	48.36	23.103	8.08	-95.7	0.5	-1.0
10/26/2005	11:00:28	27.39	59.287	39.60	4.31	37	48.35	23.093	8.08	-95.6	4.2	-1.1
10/26/2005	11:30:27	27.39	59.304	39.61	4.50	37	48.37	23.109	8.08	-95.6	19.0	-1.1
10/26/2005	12:00:28	27.38	59.315	39.62	4.71	38	48.34	23.090	8.08	-95.7	40.3	-1.3
10/26/2005	12:30:28	27.38	59.262	39.58	4.81	38	48.32	23.075	8.08	-95.7	44.2	-1.1
10/26/2005	13:00:28	27.37	59.290	39.60	4.92	38	48.29	23.052	8.08	-95.6	51.4	-1.3
10/26/2005	13:30:28	27.37	59.248	39.57	5.07	38	48.25	23.028	8.09	-96.1	158.6	-1.2
10/26/2005	14:00:28	27.38	59.309	39.62	5.19	38	48.25	23.025	8.09	-95.9	196.1	-1.3
10/26/2005	14:30:28	27.37	59.315	39.62	5.15	38	48.22	23.003	8.08	-95.6	64.3	-1.2
10/26/2005	15:00:28	27.38	59.273	39.59	5.30	38	48.19	22.984	8.09	-96.3	302.1	-1.2
10/26/2005	15:30:28	27.38	59.328	39.63	5.37	39	48.13	22.943	8.09	-96.1	259.2	-1.2
10/26/2005	16:00:28	27.39	59.286	39.60	5.46	38	48.13	22.941	8.10	-96.4	338.9	-1.3
10/26/2005	16:30:28	27.40	59.307	39.62	5.41	39	48.10	22.921	8.09	-96.0	302.1	-1.1
10/26/2005	17:00:28	27.40	59.351	39.65	5.43	38	48.08	22.911	8.10	-96.8	352.0	-1.1
10/26/2005	17:30:28	27.39	59.331	39.63	5.40	39	48.05	22.889	8.11	-97.1	348.6	-1.1
10/26/2005	18:00:28	27.39	59.361	39.66	5.41	39	48.02	22.870	8.10	-96.6	276.4	-1.3
10/26/2005	18:30:28	27.39	59.328	39.63	5.38	39	47.99	22.851	8.10	-96.7	250.9	-1.1
10/26/2005	19:00:28	27.39	59.334	39.64	5.33	38	47.98	22.840	8.11	-97.0	215.6	-1.1
10/26/2005	19:30:28	27.39	59.356	39.65	5.33	38	47.97	22.832	8.10	-96.6	174.2	-1.1
10/26/2005	20:00:28	27.40	59.325	39.63	5.23	38	47.96	22.828	8.09	-96.2	134.2	-0.9
10/26/2005	20:30:28	27.40	59.356	39.65	5.12	38	47.99	22.850	8.09	-95.8	95.7	-1.1
10/26/2005	21:00:28	27.38	59.318	39.62	4.98	38	48.03	22.877	8.08	-95.4	55.6	-0.8
10/26/2005	21:30:28	27.37	59.323	39.63	4.79	38	48.00	22.856	8.07	-95.1	21.0	-0.7
10/26/2005	22:00:28	27.35	59.289	39.60	4.65	37	48.04	22.886	8.07	-95.1	5.4	-0.8
10/27/2005	22:30:28	27.33	59.328	39.63	4.48	37	48.10	22.925	8.07	-95.0	0.6	-1.0
10/27/2005	23:00:27	27.32	59.379	39.67	4.40	37	48.14	22.951	8.08	-95.4	0.6	-0.9
10/27/2005	23:30:28	27.31	59.329	39.63	4.35	37	48.18	22.981	8.08	-95.3	0.6	-1.0
10/27/2005	0:00:28	27.29	59.375	39.67	4.35	37	48.22	23.004	8.08	-95.2	0.6	-1.0
10/27/2005	0:30:28	27.27	59.330	39.64	4.35	37	48.32	23.071	8.08	-95.3	0.6	-1.0
10/27/2005	1:00:28	27.26	59.366	39.66	4.34	37	48.36	23.098	8.08	-95.4	0.6	-1.0
10/27/2005	1:30:28	27.26	59.318	39.63	4.32	37	48.39	23.125	8.08	-95.3	0.5	-0.8
10/27/2005	2:00:28	27.25	59.338	39.64	4.36	37	48.42	23.143	8.08	-95.4	0.5	-0.5
10/27/2005	2:30:28	27.25	59.396	39.69	4.30	37	48.47	23.179	8.08	-95.3	0.5	-1.0
10/27/2005	3:00:28	27.24	59.364	39.66	4.30	37	48.52	23.213	8.08	-95.2	0.6	-0.7
10/27/2005	3:30:28	27.24	59.328	39.64	4.29	37	48.55	23.231	8.08	-95.2	0.5	-0.8
10/27/2005	4:00:28	27.23	59.341	39.65	4.31	37	48.57	23.243	8.08	-95.3	0.5	-0.8
10/27/2005	4:30:28	27.23	59.347	39.65	4.33	36	48.59	23.257	8.08	-95.3	0.5	-0.8

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/27/2005	5:00:28	27.23	59.330	39.64	4.34	37	48.58	23.249	8.08	-95.3	0.5	-0.7
10/27/2005	5:30:28	27.23	59.361	39.66	4.29	36	48.60	23.264	8.08	-95.3	0.5	-1.0
10/27/2005	6:00:28	27.23	59.345	39.65	4.34	36	48.60	23.263	8.08	-95.5	0.5	0.0
10/27/2005	6:30:28	27.22	59.346	39.65	4.31	37	48.56	23.239	8.08	-95.4	0.5	-0.1
10/27/2005	7:00:28	27.22	59.336	39.64	4.35	36	48.54	23.222	8.08	-95.5	0.5	1.1
10/27/2005	7:30:28	27.22	59.344	39.65	4.34	37	48.53	23.218	8.08	-95.6	0.5	0.4
10/27/2005	8:00:28	27.22	59.318	39.63	4.28	36	48.52	23.211	8.08	-95.4	0.5	0.8
10/27/2005	8:30:28	27.22	59.346	39.65	4.32	36	48.50	23.197	8.08	-95.4	0.5	-0.3
10/27/2005	9:00:28	27.22	59.342	39.65	4.32	37	48.50	23.194	8.08	-95.3	0.5	-0.5
10/27/2005	9:30:28	27.22	59.356	39.66	4.27	36	48.50	23.196	8.08	-95.2	0.5	-1.0
10/27/2005	10:00:28	27.23	59.364	39.66	4.33	36	48.47	23.175	8.08	-95.3	0.5	-0.2
10/27/2005	10:30:28	27.23	59.379	39.68	4.30	36	48.46	23.168	8.07	-95.2	0.5	-0.5
10/27/2005	11:00:28	27.23	59.376	39.67	4.30	36	48.44	23.158	8.07	-95.1	4.1	-0.7
10/27/2005	11:30:27	27.24	59.394	39.69	4.47	37	48.45	23.158	8.07	-95.0	18.0	-0.7
10/27/2005	12:00:28	27.25	59.362	39.66	4.66	37	48.44	23.157	8.07	-95.1	36.1	-1.0
10/27/2005	12:30:28	27.26	59.386	39.68	4.96	37	48.43	23.147	8.08	-95.3	56.5	-1.0
10/27/2005	13:00:28	27.27	59.395	39.69	5.16	38	48.42	23.141	8.08	-95.6	125.7	-0.9
10/27/2005	13:30:28	27.26	59.392	39.68	4.84	37	48.39	23.119	8.07	-94.7	17.6	-1.1
10/27/2005	14:00:28	27.27	59.396	39.69	4.89	37	48.39	23.121	8.07	-94.7	47.5	-1.1
10/27/2005	14:30:28	27.27	59.390	39.68	4.73	37	48.38	23.114	8.06	-94.3	29.9	-1.1
10/27/2005	15:00:28	27.27	59.378	39.67	4.94	38	48.34	23.090	8.06	-94.3	72.4	-1.3
10/27/2005	15:30:28	27.26	59.305	39.62	5.28	38	48.32	23.072	8.07	-94.8	79.4	-1.1
10/27/2005	16:00:28	27.22	59.295	39.61	5.60	38	48.29	23.049	8.08	-95.3	97.0	-1.3
10/27/2005	16:30:28	27.24	59.309	39.62	5.76	39	48.26	23.032	8.08	-95.2	133.0	0.0
10/27/2005	17:00:28	27.23	59.298	39.61	5.86	39	48.22	23.008	8.08	-95.7	277.3	-1.2
10/27/2005	17:30:28	27.21	59.275	39.60	5.89	39	48.20	22.990	8.08	-95.7	291.5	-1.2
10/27/2005	18:00:28	27.21	59.255	39.58	5.91	39	48.18	22.976	8.08	-95.7	255.2	-1.3
10/27/2005	18:30:28	27.22	59.289	39.61	5.92	39	48.12	22.938	8.08	-95.6	224.5	-1.3
10/27/2005	19:00:28	27.22	59.233	39.57	5.87	39	48.10	22.921	8.08	-95.5	201.8	-1.2
10/27/2005	19:30:28	27.20	59.274	39.60	5.85	39	48.08	22.907	8.08	-95.4	164.0	-1.3
10/27/2005	20:00:28	27.20	59.308	39.62	5.74	39	48.07	22.903	8.08	-95.5	121.4	-1.1
10/27/2005	20:30:28	27.20	59.305	39.62	5.66	39	48.05	22.889	8.07	-95.2	83.9	-1.2
10/27/2005	21:00:28	27.19	59.301	39.62	5.49	38	48.07	22.899	8.07	-95.2	48.8	-1.1
10/27/2005	21:30:28	27.17	59.308	39.62	5.36	38	48.10	22.922	8.07	-95.2	21.8	-1.3
10/27/2005	22:00:28	27.15	59.314	39.63	5.14	38	48.09	22.913	8.07	-95.0	4.8	-1.2
10/28/2005	22:30:28	27.12	59.279	39.60	4.99	38	48.10	22.920	8.08	-95.2	0.6	-1.1
10/28/2005	23:00:27	27.12	59.328	39.64	4.87	37	48.14	22.950	8.08	-95.2	0.6	-1.1
10/28/2005	23:30:28	27.11	59.293	39.61	4.83	37	48.16	22.963	8.08	-95.2	0.5	-1.1
10/28/2005	0:00:28	27.10	59.325	39.64	4.83	37	48.21	22.994	8.08	-95.3	0.5	-1.2
10/28/2005	0:30:28	27.10	59.287	39.61	4.79	37	48.25	23.023	8.08	-95.2	0.5	-1.2
10/28/2005	1:00:28	27.09	59.256	39.59	4.83	37	48.31	23.066	8.08	-95.3	0.5	-1.2
10/28/2005	1:30:28	27.08	59.273	39.60	4.84	37	48.29	23.052	8.08	-95.4	0.5	-1.3
10/28/2005	2:00:28	27.07	59.310	39.63	4.79	37	48.32	23.070	8.08	-95.3	0.5	-1.1
10/28/2005	2:30:28	27.07	59.330	39.64	4.76	37	48.36	23.103	8.08	-95.2	0.5	-1.1
10/28/2005	3:00:28	27.03	59.329	39.64	4.81	37	48.40	23.125	8.08	-95.4	0.5	-1.2
10/28/2005	3:30:28	27.02	59.335	39.65	4.82	37	48.43	23.147	8.08	-95.4	0.5	-1.3
10/28/2005	4:00:28	27.00	59.326	39.64	4.82	37	48.43	23.147	8.08	-95.5	0.5	-1.3
10/28/2005	4:30:28	27.00	59.290	39.62	4.79	37	48.42	23.139	8.08	-95.3	0.5	-1.1
10/28/2005	5:00:28	26.99	59.272	39.60	4.78	37	48.42	23.141	8.08	-95.3	0.5	-1.1
10/28/2005	5:30:28	26.98	59.321	39.64	4.79	37	48.42	23.137	8.08	-95.4	0.4	-1.1
10/28/2005	6:00:28	26.97	59.337	39.65	4.78	37	48.40	23.127	8.08	-95.3	0.4	-1.2
10/28/2005	6:30:28	26.97	59.327	39.64	4.78	37	48.39	23.121	8.08	-95.3	0.4	-1.2
10/28/2005	7:00:28	26.96	59.301	39.62	4.81	37	48.37	23.105	8.08	-95.5	0.5	-1.0
10/28/2005	7:30:28	26.94	59.306	39.63	4.81	37	48.39	23.122	8.08	-95.4	0.4	-1.2
10/28/2005	8:00:28	26.94	59.280	39.61	4.80	37	48.37	23.103	8.08	-95.3	0.4	-1.0
10/28/2005	8:30:28	26.94	59.341	39.66	4.79	37	48.33	23.080	8.08	-95.3	0.4	-1.2
10/28/2005	9:00:28	26.93	59.342	39.66	4.78	37	48.35	23.089	8.08	-95.3	0.4	-1.0
10/28/2005	9:30:28	26.91	59.333	39.65	4.81	37	48.31	23.064	8.08	-95.3	0.4	-1.2
10/28/2005	10:00:28	26.90	59.335	39.65	4.80	37	48.29	23.049	8.08	-95.3	0.4	-1.1
10/28/2005	10:30:28	26.90	59.304	39.63	4.80	37	48.32	23.068	8.08	-95.3	0.4	-1.1
10/28/2005	11:00:28	26.88	59.290	39.62	4.81	37	48.31	23.063	8.08	-95.2	3.8	-1.1
10/28/2005	11:30:27	26.86	59.326	39.65	4.98	37	48.27	23.038	8.07	-95.0	18.5	-1.1
10/28/2005	12:00:28	26.85	59.346	39.66	5.24	37	48.31	23.066	8.07	-94.9	33.3	-1.2
10/28/2005	12:30:28	26.84	59.348	39.66	5.46	38	48.29	23.049	8.07	-94.8	40.4	-1.0

Appendix 5
Water Quality Data

East Flower Garden Bank
October 12, 2005 - November 2, 2005

Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/28/2005	13:00:28	26.84	59.347	39.66	5.59	38	48.36	23.099	8.07	-94.7	103.1	-1.0
10/28/2005	13:30:28	26.85	59.309	39.63	5.73	38	48.36	23.101	8.07	-94.8	72.6	-0.9
10/28/2005	14:00:28	26.84	59.330	39.65	5.81	38	48.34	23.087	8.07	-94.5	175.3	-1.0
10/28/2005	14:30:28	26.81	59.337	39.66	5.95	39	48.32	23.066	8.07	-94.5	212.2	-0.9
10/28/2005	15:00:28	26.83	59.349	39.66	6.10	39	48.34	23.081	8.07	-94.6	245.7	-1.1
10/28/2005	15:30:28	26.85	59.333	39.65	6.16	39	48.32	23.070	8.07	-94.8	278.7	-0.8
10/28/2005	16:00:28	26.86	59.341	39.66	6.25	39	48.34	23.082	8.07	-94.9	260.3	-1.0
10/28/2005	16:30:28	26.89	59.320	39.64	6.30	39	48.31	23.063	8.07	-94.9	291.7	-1.1
10/28/2005	17:00:28	26.88	59.323	39.64	6.29	39	48.32	23.074	8.08	-95.2	345.4	-1.1
10/28/2005	17:30:28	26.88	59.321	39.64	6.33	39	48.30	23.058	8.07	-95.1	244.4	-1.1
10/28/2005	18:00:28	26.89	59.338	39.65	6.31	39	48.27	23.034	8.08	-95.2	245.2	-1.0
10/28/2005	18:30:28	26.89	59.302	39.63	6.26	39	48.29	23.051	8.09	-95.7	205.9	-1.2
10/28/2005	19:00:28	26.91	59.341	39.66	6.21	39	48.29	23.048	8.08	-95.5	178.0	-1.2
10/28/2005	19:30:28	26.92	59.340	39.65	6.14	39	48.25	23.020	8.08	-95.3	142.7	-1.2
10/28/2005	20:00:28	26.92	59.338	39.65	6.04	39	48.21	22.992	8.08	-95.3	102.1	-1.2
10/28/2005	20:30:28	26.91	59.335	39.65	5.93	39	48.23	23.011	8.08	-95.2	71.5	-1.1
10/28/2005	21:00:28	26.91	59.332	39.65	5.81	38	48.25	23.026	8.08	-95.2	42.5	-1.2
10/28/2005	21:30:28	26.89	59.329	39.65	5.63	38	48.24	23.018	8.07	-95.1	18.6	-1.2
10/28/2005	22:00:28	26.89	59.327	39.65	5.42	38	48.19	22.983	8.08	-95.1	4.0	-1.1
10/29/2005	22:30:28	26.90	59.337	39.65	5.18	37	48.29	23.048	8.07	-95.0	0.5	-1.3
10/29/2005	23:00:27	26.88	59.305	39.63	5.19	37	48.22	23.003	8.08	-95.4	0.4	-1.1
10/29/2005	23:30:28	26.87	59.301	39.63	5.12	37	48.22	23.001	8.08	-95.3	0.4	-1.2
10/29/2005	0:00:28	26.88	59.303	39.63	5.05	38	48.29	23.050	8.08	-95.2	0.4	-1.2
10/29/2005	0:30:28	26.85	59.331	39.65	5.08	37	48.32	23.068	8.08	-95.3	0.4	-1.3
10/29/2005	1:00:28	26.85	59.326	39.65	4.99	37	48.36	23.098	8.07	-95.1	0.4	-1.2
10/29/2005	1:30:28	26.84	59.332	39.65	5.02	37	48.41	23.134	8.08	-95.3	0.3	-1.1
10/29/2005	2:00:28	26.83	59.338	39.66	5.01	37	48.41	23.132	8.08	-95.2	0.4	-1.3
10/29/2005	2:30:28	26.82	59.336	39.65	4.98	37	48.42	23.136	8.08	-95.1	0.4	-1.2
10/29/2005	3:00:28	26.80	59.350	39.67	5.03	37	48.50	23.190	8.08	-95.3	0.4	-1.2
10/29/2005	3:30:28	26.79	59.349	39.67	5.05	37	48.55	23.224	8.08	-95.3	0.4	-1.1
10/29/2005	4:00:28	26.78	59.319	39.64	5.08	37	48.47	23.172	8.08	-95.4	0.3	-1.1
10/29/2005	4:30:28	26.78	59.328	39.65	5.02	37	48.47	23.170	8.08	-95.3	0.4	-1.2
10/29/2005	5:00:28	26.76	59.331	39.65	5.08	37	48.48	23.177	8.08	-95.5	0.4	-1.3
10/29/2005	5:30:28	26.77	59.319	39.64	5.03	37	48.46	23.169	8.08	-95.4	0.3	-1.2
10/29/2005	6:00:28	26.77	59.317	39.64	5.04	37	48.49	23.188	8.08	-95.3	0.3	-1.2
10/29/2005	6:30:28	26.76	59.339	39.66	5.05	37	48.41	23.133	8.08	-95.3	0.3	-1.2
10/29/2005	7:00:28	26.75	59.323	39.65	5.03	37	48.44	23.149	8.08	-95.3	0.4	-1.3
10/29/2005	7:30:28	26.74	59.326	39.65	5.10	37	48.40	23.127	8.08	-95.5	0.3	-1.2
10/29/2005	8:00:28	26.73	59.332	39.65	5.10	37	48.39	23.116	8.08	-95.5	0.3	-1.1
10/29/2005	8:30:28	26.73	59.342	39.66	5.05	37	48.41	23.128	8.08	-95.3	0.4	-1.0
10/29/2005	9:00:28	26.73	59.328	39.65	5.03	37	48.33	23.076	8.08	-95.3	0.4	-1.0
10/29/2005	9:30:28	26.72	59.343	39.66	5.08	37	48.32	23.066	8.08	-95.4	0.3	-1.0
10/29/2005	10:00:28	26.72	59.344	39.66	5.10	37	48.31	23.060	8.08	-95.5	0.3	-1.0
10/29/2005	10:30:28	26.71	59.326	39.65	5.09	37	48.26	23.029	8.08	-95.5	0.3	-0.7
10/29/2005	11:00:28	26.70	59.327	39.65	5.10	37	48.36	23.097	8.08	-95.5	2.4	-0.9
10/29/2005	11:30:27	26.72	59.364	39.68	5.28	38	48.33	23.078	8.08	-95.3	12.9	-1.0
10/29/2005	12:00:28	26.71	59.359	39.68	5.56	38	48.29	23.047	8.08	-95.2	31.1	-0.8
10/29/2005	12:30:28	26.71	59.313	39.64	5.80	38	48.33	23.078	8.08	-95.2	65.1	-0.8
10/29/2005	13:00:28	26.70	59.366	39.68	6.12	39	48.33	23.074	8.08	-95.3	85.9	-1.0
10/29/2005	13:30:28	26.70	59.333	39.66	6.29	39	48.33	23.072	8.08	-95.4	69.2	-0.7
10/29/2005	14:00:28	26.72	59.322	39.65	6.38	39	48.34	23.080	8.08	-95.3	150.9	-0.7
10/29/2005	14:30:28	26.72	59.365	39.68	6.41	39	48.36	23.099	8.08	-95.5	64.6	-0.7
10/29/2005	15:00:28	26.71	59.348	39.67	6.60	40	48.41	23.128	8.08	-95.5	195.2	-0.5
10/29/2005	15:30:28	26.73	59.370	39.68	6.72	40	48.40	23.122	8.09	-95.7	267.7	-0.8
10/29/2005	16:00:28	26.73	59.362	39.68	6.82	40	48.41	23.129	8.08	-95.6	251.5	-1.0
10/29/2005	16:30:28	26.74	59.348	39.67	6.62	40	48.39	23.121	8.08	-95.6	96.9	-1.2
10/29/2005	17:00:28	26.74	59.358	39.67	6.55	40	48.43	23.144	8.08	-95.3	138.5	-1.1
10/29/2005	17:30:28	26.75	59.304	39.63	6.63	40	48.37	23.104	8.09	-95.6	115.7	-1.1
10/29/2005	18:00:28	26.76	59.346	39.66	6.59	40	48.35	23.089	8.08	-95.6	191.8	-1.0
10/29/2005	18:30:28	26.76	59.306	39.63	6.43	40	48.38	23.108	8.09	-95.7	84.5	-1.1
10/29/2005	19:00:28	26.76	59.294	39.62	6.42	40	48.35	23.088	8.10	-96.7	151.1	-1.1
10/29/2005	19:30:28	26.76	59.291	39.62	6.41	40	48.33	23.077	8.08	-95.4	117.8	-1.1
10/29/2005	20:00:28	26.77	59.298	39.63	6.31	39	48.34	23.086	8.08	-95.2	51.1	-1.1
10/29/2005	20:30:28	26.77	59.300	39.63	6.13	39	48.36	23.094	8.08	-95.2	42.9	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/29/2005	21:00:28	26.77	59.296	39.63	5.94	39	48.27	23.037	8.08	-95.2	23.1	-1.0
10/29/2005	21:30:28	26.77	59.255	39.60	5.80	39	48.28	23.043	8.07	-95.0	13.1	-1.1
10/29/2005	22:00:28	26.77	59.290	39.62	5.60	39	48.23	23.010	8.07	-94.9	2.9	-1.1
10/30/2005	22:30:28	26.77	59.296	39.63	5.40	38	48.29	23.046	8.07	-95.0	0.4	-1.3
10/30/2005	23:00:27	26.77	59.273	39.61	5.29	38	48.27	23.036	8.07	-94.9	0.3	-1.2
10/30/2005	23:30:28	26.77	59.274	39.61	5.19	38	48.27	23.036	8.07	-94.7	0.4	-1.1
10/30/2005	0:00:28	26.77	59.281	39.61	5.05	38	48.33	23.079	8.06	-94.3	0.4	-1.1
10/30/2005	0:30:28	26.78	59.274	39.61	4.97	38	48.32	23.069	8.06	-94.1	0.3	-1.1
10/30/2005	1:00:28	26.77	59.263	39.60	5.07	38	48.35	23.092	8.07	-94.5	0.3	-1.1
10/30/2005	1:30:28	26.70	59.224	39.57	5.28	38	48.36	23.097	8.08	-95.3	0.4	-1.3
10/30/2005	2:00:28	26.70	59.236	39.58	5.27	38	48.39	23.119	8.08	-95.2	0.4	-1.2
10/30/2005	2:30:28	26.67	59.248	39.59	5.39	38	48.39	23.115	8.09	-95.6	0.3	-1.1
10/30/2005	3:00:28	26.68	59.238	39.59	5.29	38	48.39	23.120	8.08	-95.3	0.4	-1.0
10/30/2005	3:30:28	26.67	59.281	39.62	5.29	38	48.41	23.131	8.08	-95.3	0.3	-1.1
10/30/2005	4:00:28	26.66	59.284	39.62	5.27	38	48.45	23.161	8.08	-95.2	0.3	-1.1
10/30/2005	4:30:28	26.66	59.322	39.65	5.35	38	48.46	23.168	8.08	-95.5	0.3	-1.2
10/30/2005	5:00:28	26.66	59.325	39.65	5.29	38	48.46	23.164	8.08	-95.3	0.3	-1.0
10/30/2005	5:30:28	26.66	59.326	39.65	5.29	38	48.43	23.146	8.08	-95.3	0.3	-1.1
10/30/2005	6:00:28	26.65	59.328	39.65	5.34	38	48.37	23.106	8.08	-95.4	0.3	-1.1
10/30/2005	6:30:28	26.65	59.300	39.63	5.30	38	48.43	23.145	8.08	-95.3	0.3	-1.1
10/30/2005	7:00:28	26.65	59.328	39.65	5.32	39	48.39	23.115	8.08	-95.4	0.3	-1.1
10/30/2005	7:30:28	26.65	59.303	39.63	5.31	39	48.34	23.086	8.08	-95.3	0.3	-1.0
10/30/2005	8:00:28	26.65	59.305	39.64	5.32	38	48.34	23.081	8.08	-95.3	0.4	-1.1
10/30/2005	8:30:28	26.65	59.295	39.63	5.33	38	48.31	23.062	8.08	-95.4	0.3	-1.0
10/30/2005	9:00:28	26.64	59.298	39.63	5.35	39	48.29	23.048	8.08	-95.4	0.3	-0.8
10/30/2005	9:30:28	26.64	59.285	39.62	5.26	38	48.31	23.063	8.08	-95.1	0.3	-0.8
10/30/2005	10:00:28	26.64	59.218	39.57	5.24	38	48.28	23.045	8.08	-95.1	0.3	-0.8
10/30/2005	10:30:28	26.64	59.277	39.62	5.25	38	48.26	23.030	8.08	-95.1	0.3	-1.0
10/30/2005	11:00:28	26.65	59.262	39.60	5.27	38	48.28	23.043	8.08	-95.1	2.4	-0.8
10/30/2005	11:30:27	26.65	59.289	39.62	5.37	39	48.28	23.043	8.07	-94.8	14.2	-0.8
10/30/2005	12:00:28	26.66	59.271	39.61	5.73	39	48.25	23.020	8.07	-95.0	33.9	-0.6
10/30/2005	12:30:28	26.67	59.270	39.61	6.04	40	48.30	23.054	8.07	-95.0	55.2	-0.6
10/30/2005	13:00:28	26.68	59.270	39.61	6.23	40	48.36	23.098	8.08	-95.2	73.1	-1.0
10/30/2005	13:30:28	26.71	59.270	39.61	6.37	40	48.37	23.103	8.08	-95.2	94.6	-0.8
10/30/2005	14:00:28	26.73	59.300	39.63	6.39	40	48.40	23.122	8.08	-95.5	90.3	-0.8
10/30/2005	14:30:28	26.73	58.895	39.32	6.56	41	48.39	23.126	8.08	-95.3	158.9	-0.5
10/30/2005	15:00:28	26.75	59.300	39.63	6.67	41	48.48	23.178	8.08	-95.3	165.2	-0.7
10/30/2005	15:30:28	26.78	59.302	39.63	6.65	41	48.49	23.189	8.08	-95.3	57.6	-0.8
10/30/2005	16:00:28	26.79	59.311	39.64	6.46	40	48.50	23.194	8.08	-95.3	161.8	-0.4
10/30/2005	16:30:28	26.83	59.304	39.63	6.50	41	48.51	23.203	8.08	-95.4	172.5	-0.4
10/30/2005	17:00:28	26.80	58.107	38.73	6.46	40	48.56	23.251	8.09	-95.8	143.7	0.4
10/30/2005	17:30:28	26.79	59.129	39.50	6.42	41	48.56	23.235	8.08	-95.6	135.8	0.4
10/30/2005	18:00:28	26.88	59.243	39.58	6.46	41	48.55	23.231	8.08	-95.6	145.7	0.3
10/30/2005	18:30:28	26.90	59.285	39.61	6.50	41	48.56	23.239	8.09	-95.8	124.9	0.2
10/30/2005	19:00:28	26.88	59.282	39.61	6.47	41	48.57	23.240	8.09	-95.7	105.7	-0.9
10/30/2005	19:30:28	26.86	59.302	39.63	6.39	40	48.53	23.218	8.08	-95.2	30.2	-0.4
10/30/2005	20:00:28	26.86	59.184	39.54	6.25	40	48.51	23.200	8.08	-95.4	73.5	-0.7
10/30/2005	20:30:28	26.85	59.246	39.59	6.15	40	48.50	23.191	8.08	-95.2	24.5	-0.8
10/30/2005	21:00:28	26.83	59.206	39.56	5.99	40	48.49	23.186	8.07	-95.0	16.2	-0.8
10/30/2005	21:30:28	26.78	59.180	39.54	5.86	40	48.44	23.155	8.07	-94.9	10.1	-1.1
10/30/2005	22:00:28	26.77	59.122	39.49	5.69	39	48.48	23.186	8.07	-94.8	2.4	-1.1
10/31/2005	22:30:28	26.73	59.085	39.47	5.55	39	48.47	23.172	8.07	-94.8	0.3	-0.8
10/31/2005	23:00:27	26.73	59.099	39.48	5.46	39	48.48	23.181	8.07	-94.8	0.3	-0.5
10/31/2005	23:30:28	26.71	59.054	39.44	5.44	39	48.46	23.168	8.07	-94.9	0.3	-1.0
10/31/2005	0:00:28	26.70	59.036	39.43	5.40	39	48.42	23.142	8.07	-94.8	0.3	-1.1
10/31/2005	0:30:28	26.67	58.997	39.40	5.36	39	48.42	23.142	8.07	-94.8	0.4	-1.1
10/31/2005	1:00:28	26.61	58.890	39.32	5.40	39	48.41	23.139	8.07	-94.9	0.3	-1.1
10/31/2005	1:30:28	26.58	58.834	39.28	5.44	39	48.42	23.144	8.08	-95.2	0.3	-0.9
10/31/2005	2:00:28	26.57	58.796	39.25	5.44	39	48.43	23.151	8.08	-95.3	0.3	-0.9
10/31/2005	2:30:28	26.56	58.792	39.25	5.42	39	48.46	23.173	8.08	-95.2	0.3	-1.1
10/31/2005	3:00:28	26.56	58.764	39.23	5.39	39	48.43	23.148	8.08	-95.2	0.3	-1.0
10/31/2005	3:30:28	26.56	58.733	39.21	5.38	39	48.44	23.161	8.08	-95.1	0.3	-1.1
10/31/2005	4:00:28	26.58	58.801	39.26	5.38	39	48.40	23.127	8.08	-95.2	0.3	-1.0
10/31/2005	4:30:28	26.59	58.816	39.27	5.40	39	48.37	23.106	8.08	-95.3	0.3	-1.1

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/31/2005	5:00:28	26.59	58.847	39.29	5.39	39	48.38	23.113	8.08	-95.2	0.3	-0.9
10/31/2005	5:30:28	26.58	58.853	39.30	5.35	39	48.35	23.092	8.08	-95.0	0.3	-1.1
10/31/2005	6:00:28	26.57	58.824	39.28	5.32	39	48.32	23.076	8.07	-95.0	0.3	-1.1
10/31/2005	6:30:28	26.56	58.835	39.28	5.29	39	48.27	23.042	8.07	-94.8	0.3	-1.1
10/31/2005	7:00:28	26.53	58.817	39.27	5.31	39	48.25	23.028	8.07	-94.9	0.3	-1.0
10/31/2005	7:30:28	26.52	58.794	39.25	5.30	39	48.19	22.987	8.07	-94.9	0.3	-0.9
10/31/2005	8:00:28	26.50	58.765	39.23	5.30	39	48.15	22.957	8.07	-94.9	0.3	-0.7
10/31/2005	8:30:28	26.47	58.705	39.19	5.32	39	48.15	22.961	8.08	-95.0	0.3	-1.0
10/31/2005	9:00:28	26.48	58.757	39.23	5.31	39	48.10	22.923	8.07	-95.0	0.3	-0.9
10/31/2005	9:30:28	26.45	58.680	39.17	5.33	39	48.09	22.916	8.08	-95.0	0.3	-1.1
10/31/2005	10:00:28	26.43	58.622	39.13	5.40	39	48.05	22.891	8.08	-95.3	0.3	-1.1
10/31/2005	10:30:28	26.41	58.499	39.03	5.43	39	48.01	22.864	8.08	-95.5	0.3	-0.9
10/31/2005	11:00:28	26.40	58.430	38.98	5.47	39	48.07	22.909	8.09	-95.7	2.1	-0.2
10/31/2005	11:30:27	26.40	58.398	38.96	5.62	39	48.06	22.901	8.09	-95.6	11.9	-0.4
10/31/2005	12:00:28	26.41	57.577	38.34	5.84	39	48.07	22.917	8.09	-95.6	26.6	-0.5
10/31/2005	12:30:28	26.43	58.387	38.95	6.03	40	48.04	22.889	8.09	-95.6	42.6	-0.5
10/31/2005	13:00:28	26.44	58.436	38.98	6.20	40	48.06	22.899	8.09	-95.6	61.5	-0.2
10/31/2005	13:30:28	26.46	58.442	38.99	6.32	40	48.15	22.965	8.09	-95.6	85.1	0.1
10/31/2005	14:00:28	26.48	58.460	39.00	6.41	40	48.17	22.979	8.09	-95.6	49.9	-0.4
10/31/2005	14:30:28	26.49	58.563	39.08	6.52	40	48.23	23.013	8.08	-95.5	107.6	-0.7
10/31/2005	15:00:28	26.54	58.815	39.27	6.62	41	48.31	23.067	8.08	-95.3	147.3	-0.7
10/31/2005	15:30:28	26.55	58.873	39.31	6.66	41	48.31	23.067	8.08	-95.5	164.7	-0.4
10/31/2005	16:00:28	26.56	58.776	39.24	6.69	41	48.40	23.131	8.09	-95.6	173.8	-0.7
10/31/2005	16:30:28	26.54	58.786	39.25	6.70	41	48.50	23.196	8.08	-95.5	178.1	-0.6
10/31/2005	17:00:28	26.57	58.891	39.33	6.73	41	48.41	23.134	8.08	-95.6	182.1	-0.4
10/31/2005	17:30:28	26.57	58.863	39.30	6.73	41	48.50	23.195	8.08	-95.4	176.0	-0.5
10/31/2005	18:00:28	26.58	58.865	39.31	6.72	41	48.48	23.185	8.09	-95.8	161.6	-0.7
10/31/2005	18:30:28	26.59	58.886	39.32	6.69	41	48.53	23.220	8.09	-95.7	146.0	-0.7
10/31/2005	19:00:28	26.59	58.905	39.34	6.66	41	48.59	23.260	8.09	-95.8	124.8	-0.9
10/31/2005	19:30:28	26.61	58.904	39.33	6.60	41	48.54	23.228	8.08	-95.5	96.6	-0.9
10/31/2005	20:00:28	26.63	58.911	39.34	6.51	41	48.55	23.232	8.09	-95.6	74.9	-0.9
10/31/2005	20:30:28	26.69	58.844	39.29	6.38	40	48.59	23.260	8.08	-95.5	41.8	-0.8
10/31/2005	21:00:28	26.72	58.554	39.07	6.26	40	48.50	23.203	8.08	-95.3	32.5	-0.9
10/31/2005	21:30:28	26.74	58.838	39.28	6.08	40	48.62	23.279	8.08	-95.3	11.5	-1.0
10/31/2005	22:00:28	26.78	58.921	39.34	5.89	40	48.56	23.239	8.08	-95.3	2.2	-1.1
11/1/2005	22:30:28	26.82	58.952	39.36	5.76	40	48.60	23.269	8.08	-95.5	0.4	-1.1
11/1/2005	23:00:27	26.85	58.913	39.33	5.68	40	48.46	23.174	8.08	-95.5	0.3	-1.0
11/1/2005	23:30:28	26.89	58.969	39.37	5.61	39	48.53	23.219	8.08	-95.5	0.3	-1.0
11/1/2005	0:00:28	26.92	58.980	39.38	5.57	39	48.56	23.240	8.08	-95.4	0.3	-1.1
11/1/2005	0:30:28	26.94	58.982	39.38	5.53	39	48.49	23.191	8.08	-95.3	0.3	-1.1
11/1/2005	1:00:28	26.95	58.963	39.37	5.50	39	48.48	23.183	8.08	-95.3	0.3	-1.1
11/1/2005	1:30:28	26.94	58.865	39.29	5.44	39	48.48	23.187	8.08	-95.2	0.3	-1.1
11/1/2005	2:00:28	26.93	58.788	39.24	5.47	39	48.53	23.221	8.08	-95.3	0.3	-0.8
11/1/2005	2:30:28	26.93	58.780	39.23	5.49	39	48.58	23.254	8.08	-95.5	0.3	-1.0
11/1/2005	3:00:28	26.89	58.689	39.16	5.43	39	48.47	23.179	8.08	-95.2	0.3	-1.2
11/1/2005	3:30:28	26.87	58.645	39.13	5.40	39	48.48	23.188	8.08	-95.2	0.3	-1.1
11/1/2005	4:00:28	26.85	58.609	39.10	5.39	39	48.48	23.189	8.08	-95.2	0.3	-1.0
11/1/2005	4:30:28	26.89	58.647	39.13	5.41	39	48.48	23.186	8.08	-95.3	0.3	-0.9
11/1/2005	5:00:28	26.89	58.627	39.12	5.39	39	48.38	23.118	8.08	-95.2	0.3	-1.0
11/1/2005	5:30:28	26.89	58.607	39.10	5.42	39	48.47	23.182	8.08	-95.3	0.3	-0.8
11/1/2005	6:00:28	26.91	58.665	39.14	5.41	39	48.26	23.036	8.08	-95.3	0.3	-0.8
11/1/2005	6:30:28	26.85	57.724	38.44	5.44	39	48.24	23.034	8.08	-95.2	0.3	-0.7
11/1/2005	7:00:28	26.85	57.880	38.55	5.41	39	48.32	23.092	8.08	-95.3	0.2	7.6
11/1/2005	7:30:28	26.83	58.612	39.11	5.43	39	48.20	22.995	8.08	-95.4	0.3	-0.4
11/1/2005	8:00:28	26.81	58.619	39.11	5.42	39	48.29	23.057	8.08	-95.3	0.3	-0.7
11/1/2005	8:30:28	26.79	58.628	39.12	5.42	39	48.16	22.969	8.08	-95.3	0.3	3.9
11/1/2005	9:00:28	26.75	58.610	39.11	5.44	39	48.14	22.955	8.08	-95.4	0.3	-0.6
11/1/2005	9:30:28	26.82	58.745	39.21	5.41	39	48.11	22.933	8.08	-95.3	0.3	-0.7
11/1/2005	10:00:28	26.82	58.841	39.28	5.38	39	48.09	22.920	8.08	-95.3	0.3	-0.7
11/1/2005	10:30:28	26.80	58.839	39.28	5.37	39	48.07	22.907	8.08	-95.2	0.3	-0.5
11/1/2005	11:00:28	26.80	58.766	39.22	5.36	39	48.01	22.862	8.07	-95.0	1.0	-0.4
11/1/2005	11:30:27	26.80	58.738	39.20	5.47	39	48.04	22.888	8.07	-95.0	8.2	-0.5
11/1/2005	12:00:28	26.80	58.651	39.14	5.66	40	48.00	22.857	8.07	-94.8	17.8	-0.5
11/1/2005	12:30:28	26.79	58.713	39.18	5.91	40	47.99	22.848	8.07	-94.9	45.0	-0.5

Appendix 5
Water Quality Data

East Flower Garden Bank												
October 12, 2005 - November 2, 2005												
Date	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/1/2005	13:00:28	26.80	58.872	39.30	6.10	40	48.01	22.864	8.07	-95.0	69.8	-0.4
11/1/2005	13:30:28	26.82	58.828	39.27	6.24	40	48.03	22.875	8.07	-94.9	48.0	-0.5
11/1/2005	14:00:28	26.86	58.885	39.31	6.35	41	48.07	22.906	8.07	-95.0	106.9	-0.4
11/1/2005	14:30:28	26.90	58.893	39.32	6.49	41	48.18	22.979	8.08	-95.3	130.6	-0.1
11/1/2005	15:00:28	26.94	58.908	39.33	6.61	41	48.13	22.942	8.08	-95.2	159.5	-0.1
11/1/2005	15:30:28	26.93	58.957	39.36	6.66	41	48.21	23.001	8.07	-95.0	168.0	-0.7
11/1/2005	16:00:28	26.93	58.973	39.38	6.73	41	48.24	23.023	8.07	-95.1	193.4	-0.5
11/1/2005	16:30:28	26.93	58.974	39.38	6.74	41	48.48	23.183	8.08	-95.2	55.7	0.3
11/1/2005	17:00:28	26.92	59.011	39.41	6.77	41	48.48	23.182	8.08	-95.2	195.6	-0.2
11/1/2005	17:30:28	26.90	59.017	39.41	6.79	41	48.52	23.210	8.08	-95.3	199.0	-0.1
11/1/2005	18:00:28	26.87	58.992	39.39	6.75	41	48.47	23.177	8.08	-95.3	97.9	-0.2
11/1/2005	18:30:28	26.83	59.007	39.41	6.70	41	48.53	23.215	8.08	-95.1	65.8	-0.8
11/1/2005	19:00:28	26.80	58.961	39.37	6.62	41	48.59	23.259	8.08	-95.3	137.7	-0.4
11/1/2005	19:30:28	26.75	58.813	39.26	6.48	41	48.64	23.297	8.07	-94.8	33.6	-0.5
11/1/2005	20:00:28	26.73	58.829	39.27	6.37	41	48.54	23.227	8.07	-94.8	35.6	-0.5
11/1/2005	20:30:28	26.68	58.613	39.11	6.25	41	48.60	23.268	8.07	-94.8	50.3	-1.0
11/1/2005	21:00:28	26.63	58.619	39.12	6.11	40	48.58	23.256	8.07	-94.7	14.9	-0.9
11/1/2005	21:30:28	26.59	58.557	39.07	5.94	40	48.60	23.270	8.07	-94.7	8.4	-1.0
11/1/2005	22:00:28	26.55	58.594	39.10	5.78	40	48.51	23.210	8.07	-94.8	1.7	-0.1
11/2/2005	22:30:28	26.52	58.554	39.07	5.63	39	48.55	23.239	8.07	-94.8	0.3	-0.9
11/2/2005	23:00:27	26.48	58.516	39.04	5.66	39	48.51	23.206	8.08	-95.2	0.3	-0.8
11/2/2005	23:30:28	26.47	58.519	39.05	5.60	39	48.51	23.210	8.08	-95.2	0.3	-0.7
11/2/2005	0:00:28	26.47	58.523	39.05	5.58	39	48.57	23.248	8.08	-95.2	0.3	-1.0
11/2/2005	0:30:28	26.46	58.501	39.03	5.57	39	48.54	23.227	8.08	-95.2	0.3	-1.0
11/2/2005	1:00:28	26.45	58.523	39.05	5.54	39	48.47	23.181	8.08	-95.2	0.3	-0.9
11/2/2005	1:30:28	26.46	58.540	39.06	5.53	39	48.47	23.182	8.08	-95.2	0.3	-0.8
11/2/2005	2:00:28	26.49	58.571	39.09	5.55	39	48.54	23.225	8.08	-95.3	0.3	-0.9
11/2/2005	2:30:28	26.50	58.577	39.09	5.51	39	48.42	23.149	8.08	-95.2	0.3	-0.7
11/2/2005	3:00:28	26.51	58.599	39.11	5.55	39	48.42	23.148	8.08	-95.3	0.3	0.3
11/2/2005	3:30:28	26.50	58.600	39.11	5.50	39	48.50	23.203	8.08	-95.0	0.3	-0.7
11/2/2005	4:00:28	26.49	58.598	39.11	5.51	39	48.42	23.145	8.08	-95.1	0.2	-0.8
11/2/2005	4:30:28	26.47	58.544	39.07	5.53	39	48.40	23.133	8.08	-95.1	0.3	-0.8
11/2/2005	5:00:28	26.47	58.617	39.12	5.50	39	48.39	23.122	8.08	-95.0	0.3	-1.0
11/2/2005	5:30:28	26.46	58.628	39.13	5.49	39	48.30	23.064	8.08	-95.0	0.3	-0.7
11/2/2005	6:00:28	26.46	58.591	39.10	5.51	39	48.27	23.045	8.07	-95.0	0.3	-0.8
11/2/2005	6:30:28	26.46	58.630	39.13	5.49	39	48.27	23.043	8.07	-95.0	0.3	-0.8
11/2/2005	7:00:28	26.47	58.607	39.11	5.49	39	48.22	23.010	8.07	-94.7	0.3	-0.7
11/2/2005	7:30:28	26.48	58.360	38.93	5.50	39	48.13	22.951	8.07	-95.0	0.3	-0.8
11/2/2005	8:00:28	26.47	58.569	39.08	5.49	39	48.11	22.931	8.07	-94.8	0.3	-0.8
11/2/2005	8:30:28	26.45	58.557	39.08	5.45	39	48.02	22.871	8.07	-94.7	0.3	-0.6
11/2/2005	9:00:28	26.42	58.525	39.05	5.44	39	48.04	22.884	8.07	-94.6	0.3	-0.5
11/2/2005	9:30:28	26.38	58.432	38.98	5.42	39	47.94	22.814	8.07	-94.5	0.3	-0.8
11/2/2005	10:00:28	26.34	58.435	38.99	5.38	39	47.86	22.762	8.07	-94.5	0.3	-0.1
11/2/2005	10:30:28	26.29	58.429	38.98	5.38	39	47.76	22.696	8.07	-94.5	0.3	0.2
11/2/2005	11:00:28	26.25	58.330	38.91	5.44	39	47.88	22.776	8.07	-94.7	1.5	-0.4
11/2/2005	11:30:27	26.24	58.327	38.91	5.51	39	47.77	22.704	8.07	-94.6	9.0	-0.8
11/2/2005	12:00:28	26.23	58.336	38.92	5.70	39	47.82	22.736	8.07	-94.5	20.3	-0.5
11/2/2005	12:30:28	26.22	58.323	38.91	5.91	40	47.93	22.813	8.07	-94.7	34.1	0.0

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/12/05 10:05:12.0	29.02
10/12/05 10:35:12.0	29.02
10/12/05 11:05:12.0	29.07
10/12/05 11:35:12.0	29.09
10/12/05 12:05:12.0	29.09
10/12/05 12:35:12.0	29.12
10/12/05 13:05:12.0	29.12
10/12/05 13:35:12.0	29.12
10/12/05 14:05:12.0	29.12
10/12/05 14:35:12.0	29.12
10/12/05 15:05:12.0	29.12
10/12/05 15:35:12.0	29.12
10/12/05 16:05:12.0	29.09
10/12/05 16:35:12.0	29.07
10/12/05 17:05:12.0	29.02
10/12/05 17:35:12.0	28.99
10/12/05 18:05:12.0	28.97
10/12/05 18:35:12.0	28.97
10/12/05 19:05:12.0	28.97
10/12/05 19:35:12.0	28.97
10/12/05 20:05:12.0	28.97
10/12/05 20:35:12.0	28.94
10/12/05 21:05:12.0	28.94
10/12/05 21:35:12.0	28.94
10/12/05 22:05:12.0	28.97
10/12/05 22:35:12.0	28.97
10/12/05 23:05:12.0	28.97
10/12/05 23:35:12.0	28.97
10/13/05 00:05:12.0	28.99
10/13/05 00:35:12.0	28.99
10/13/05 01:05:12.0	28.99
10/13/05 01:35:12.0	28.99
10/13/05 02:05:12.0	28.99
10/13/05 02:35:12.0	28.97
10/13/05 03:05:12.0	28.97
10/13/05 03:35:12.0	28.97
10/13/05 04:05:12.0	28.97
10/13/05 04:35:12.0	28.97
10/13/05 05:05:12.0	28.97
10/13/05 05:35:12.0	28.94
10/13/05 06:05:12.0	28.94
10/13/05 06:35:12.0	28.94
10/13/05 07:05:12.0	28.94
10/13/05 07:35:12.0	28.92
10/13/05 08:05:12.0	28.89
10/13/05 08:35:12.0	28.89
10/13/05 09:05:12.0	28.92
10/13/05 09:35:12.0	28.94
10/13/05 10:05:12.0	28.94
10/13/05 10:35:12.0	28.94
10/13/05 11:05:12.0	28.99
10/13/05 11:35:12.0	28.94
10/13/05 12:05:12.0	29.02
10/13/05 12:35:12.0	29.04
10/13/05 13:05:12.0	29.04
10/13/05 13:35:12.0	29.02
10/13/05 14:05:12.0	29.04
10/13/05 14:35:12.0	28.99
10/13/05 15:05:12.0	29.02
10/13/05 15:35:12.0	28.97
10/13/05 16:05:12.0	28.92
10/13/05 16:35:12.0	28.92
10/13/05 17:05:12.0	28.89
10/13/05 17:35:12.0	28.87
10/13/05 18:05:12.0	28.84
10/13/05 18:35:12.0	28.84

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	595392
Memory Size (Bytes)	32768
Deployment	13
Series Info	Information about the data in the series
Points Used	1741
First Point	10/12/05 08:35:12.0
Last Point	11/17/05 13:35:12.0
Duration	36 Days 06:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	29.29
Min Value	20.17
Avg Value	26.91
Launch Parameters	
Load Time	10/12/2005 13:35:10 GMT 10/12/2005 08:35:10 Local
Launch Time	10/12/2005 13:35:12 GMT 10/12/2005 08:35:12 Local
Logging Time	10/12/2005 13:35:12 GMT 10/12/2005 08:35:12 Local
Sampling Interval	1800
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0xBC1_04
Wrap Count	0
Description String	EFGB 10/12/05 595392
Time Zone	GMT-300 Minutes TZ set on Launch

Series	Temperature (*F)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	595392
Memory Size (Bytes)	32768
Deployment	13
Series Info	Information about the data in the series
Points Used	1741
First Point	10/12/05 08:35:12.0
Last Point	11/17/05 13:35:12.0
Duration	36 Days 06:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	84.72
Min Value	68.31
Avg Value	80.44
Launch Parameters	
Load Time	10/12/2005 13:35:10 GMT 10/12/2005 08:35:10 Local
Launch Time	10/12/2005 13:35:12 GMT 10/12/2005 08:35:12 Local
Logging Time	10/12/2005 13:35:12 GMT 10/12/2005 08:35:12 Local
Sampling Interval	1800
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0xBC1_04
Wrap Count	0
Description String	EFGB 10/12/05 595392
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/13/05 19:05:12.0	28.84
10/13/05 19:35:12.0	28.84
10/13/05 20:05:12.0	28.84
10/13/05 20:35:12.0	28.84
10/13/05 21:05:12.0	28.84
10/13/05 21:35:12.0	28.84
10/13/05 22:05:12.0	28.84
10/13/05 22:35:12.0	28.84
10/13/05 23:05:12.0	28.84
10/13/05 23:35:12.0	28.84
10/14/05 00:05:12.0	28.84
10/14/05 00:35:12.0	28.84
10/14/05 01:05:12.0	28.84
10/14/05 01:35:12.0	28.82
10/14/05 02:05:12.0	28.82
10/14/05 02:35:12.0	28.82
10/14/05 03:05:12.0	28.82
10/14/05 03:35:12.0	28.79
10/14/05 04:05:12.0	28.79
10/14/05 04:35:12.0	28.79
10/14/05 05:05:12.0	28.79
10/14/05 05:35:12.0	28.79
10/14/05 06:05:12.0	28.79
10/14/05 06:35:12.0	28.79
10/14/05 07:05:12.0	28.79
10/14/05 07:35:12.0	28.79
10/14/05 08:05:12.0	28.82
10/14/05 08:35:12.0	28.84
10/14/05 09:05:12.0	28.82
10/14/05 09:35:12.0	28.82
10/14/05 10:05:12.0	28.82
10/14/05 10:35:12.0	28.89
10/14/05 11:05:12.0	28.87
10/14/05 11:35:12.0	28.92
10/14/05 12:05:12.0	28.92
10/14/05 12:35:12.0	28.89
10/14/05 13:05:12.0	28.87
10/14/05 13:35:12.0	28.87
10/14/05 14:05:12.0	28.87
10/14/05 14:35:12.0	28.87
10/14/05 15:05:12.0	28.87
10/14/05 15:35:12.0	28.89
10/14/05 16:05:12.0	28.87
10/14/05 16:35:12.0	28.84
10/14/05 17:05:12.0	28.84
10/14/05 17:35:12.0	28.82
10/14/05 18:05:12.0	28.82
10/14/05 18:35:12.0	28.82
10/14/05 19:05:12.0	28.79
10/14/05 19:35:12.0	28.79
10/14/05 20:05:12.0	28.79
10/14/05 20:35:12.0	28.79
10/14/05 21:05:12.0	28.79
10/14/05 21:35:12.0	28.79
10/14/05 22:05:12.0	28.79
10/14/05 22:35:12.0	28.79
10/14/05 23:05:12.0	28.79
10/14/05 23:35:12.0	28.82
10/15/05 00:05:12.0	28.82
10/15/05 00:35:12.0	28.82
10/15/05 01:05:12.0	28.82
10/15/05 01:35:12.0	28.82
10/15/05 02:05:12.0	28.82
10/15/05 02:35:12.0	28.82
10/15/05 03:05:12.0	28.79
10/15/05 03:35:12.0	28.79

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/15/05 04:05:12.0	28.79
10/15/05 04:35:12.0	28.77
10/15/05 05:05:12.0	28.77
10/15/05 05:35:12.0	28.77
10/15/05 06:05:12.0	28.77
10/15/05 06:35:12.0	28.77
10/15/05 07:05:12.0	28.77
10/15/05 07:35:12.0	28.77
10/15/05 08:05:12.0	28.77
10/15/05 08:35:12.0	28.77
10/15/05 09:05:12.0	28.77
10/15/05 09:35:12.0	28.79
10/15/05 10:05:12.0	28.79
10/15/05 10:35:12.0	28.82
10/15/05 11:05:12.0	28.84
10/15/05 11:35:12.0	28.87
10/15/05 12:05:12.0	28.89
10/15/05 12:35:12.0	28.92
10/15/05 13:05:12.0	28.89
10/15/05 13:35:12.0	28.89
10/15/05 14:05:12.0	28.89
10/15/05 14:35:12.0	28.87
10/15/05 15:05:12.0	28.87
10/15/05 15:35:12.0	28.84
10/15/05 16:05:12.0	28.82
10/15/05 16:35:12.0	28.82
10/15/05 17:05:12.0	28.79
10/15/05 17:35:12.0	28.77
10/15/05 18:05:12.0	28.77
10/15/05 18:35:12.0	28.74
10/15/05 19:05:12.0	28.74
10/15/05 19:35:12.0	28.72
10/15/05 20:05:12.0	28.72
10/15/05 20:35:12.0	28.72
10/15/05 21:05:12.0	28.72
10/15/05 21:35:12.0	28.69
10/15/05 22:05:12.0	28.67
10/15/05 22:35:12.0	28.67
10/15/05 23:05:12.0	28.67
10/15/05 23:35:12.0	28.64
10/16/05 00:05:12.0	28.64
10/16/05 00:35:12.0	28.64
10/16/05 01:05:12.0	28.64
10/16/05 01:35:12.0	28.64
10/16/05 02:05:12.0	28.62
10/16/05 02:35:12.0	28.62
10/16/05 03:05:12.0	28.64
10/16/05 03:35:12.0	28.64
10/16/05 04:05:12.0	28.64
10/16/05 04:35:12.0	28.64
10/16/05 05:05:12.0	28.64
10/16/05 05:35:12.0	28.64
10/16/05 06:05:12.0	28.64
10/16/05 06:35:12.0	28.64
10/16/05 07:05:12.0	28.62
10/16/05 07:35:12.0	28.62
10/16/05 08:05:12.0	28.62
10/16/05 08:35:12.0	28.62
10/16/05 09:05:12.0	28.62
10/16/05 09:35:12.0	28.64
10/16/05 10:05:12.0	28.67
10/16/05 10:35:12.0	28.69
10/16/05 11:05:12.0	28.72
10/16/05 11:35:12.0	28.69
10/16/05 12:05:12.0	28.74
10/16/05 12:35:12.0	28.77

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/16/05 13:05:12.0	28.79
10/16/05 13:35:12.0	28.77
10/16/05 14:05:12.0	28.77
10/16/05 14:35:12.0	28.77
10/16/05 15:05:12.0	28.77
10/16/05 15:35:12.0	28.74
10/16/05 16:05:12.0	28.72
10/16/05 16:35:12.0	28.69
10/16/05 17:05:12.0	28.67
10/16/05 17:35:12.0	28.64
10/16/05 18:05:12.0	28.62
10/16/05 18:35:12.0	28.62
10/16/05 19:05:12.0	28.59
10/16/05 19:35:12.0	28.59
10/16/05 20:05:12.0	28.59
10/16/05 20:35:12.0	28.59
10/16/05 21:05:12.0	28.59
10/16/05 21:35:12.0	28.57
10/16/05 22:05:12.0	28.57
10/16/05 22:35:12.0	28.57
10/16/05 23:05:12.0	28.57
10/16/05 23:35:12.0	28.57
10/17/05 00:05:12.0	28.57
10/17/05 00:35:12.0	28.57
10/17/05 01:05:12.0	28.54
10/17/05 01:35:12.0	28.54
10/17/05 02:05:12.0	28.54
10/17/05 02:35:12.0	28.54
10/17/05 03:05:12.0	28.54
10/17/05 03:35:12.0	28.54
10/17/05 04:05:12.0	28.54
10/17/05 04:35:12.0	28.54
10/17/05 05:05:12.0	28.54
10/17/05 05:35:12.0	28.54
10/17/05 06:05:12.0	28.54
10/17/05 06:35:12.0	28.52
10/17/05 07:05:12.0	28.52
10/17/05 07:35:12.0	28.49
10/17/05 08:05:12.0	28.49
10/17/05 08:35:12.0	28.47
10/17/05 09:05:12.0	28.47
10/17/05 09:35:12.0	28.44
10/17/05 10:05:12.0	28.42
10/17/05 10:35:12.0	28.42
10/17/05 11:05:12.0	28.42
10/17/05 11:35:12.0	28.44
10/17/05 12:05:12.0	28.44
10/17/05 12:35:12.0	28.44
10/17/05 13:05:12.0	28.49
10/17/05 13:35:12.0	28.44
10/17/05 14:05:12.0	28.42
10/17/05 14:35:12.0	28.42
10/17/05 15:05:12.0	28.42
10/17/05 15:35:12.0	28.39
10/17/05 16:05:12.0	28.39
10/17/05 16:35:12.0	28.37
10/17/05 17:05:12.0	28.47
10/17/05 17:35:12.0	28.49
10/17/05 18:05:12.0	28.49
10/17/05 18:35:12.0	28.52
10/17/05 19:05:12.0	28.52
10/17/05 19:35:12.0	28.49
10/17/05 20:05:12.0	28.35
10/17/05 20:35:12.0	28.32
10/17/05 21:05:12.0	28.35
10/17/05 21:35:12.0	28.35

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/17/05 22:05:12.0	28.32
10/17/05 22:35:12.0	28.32
10/17/05 23:05:12.0	28.30
10/17/05 23:35:12.0	28.27
10/18/05 00:05:12.0	28.27
10/18/05 00:35:12.0	28.27
10/18/05 01:05:12.0	28.27
10/18/05 01:35:12.0	28.27
10/18/05 02:05:12.0	28.27
10/18/05 02:35:12.0	28.25
10/18/05 03:05:12.0	28.27
10/18/05 03:35:12.0	28.37
10/18/05 04:05:12.0	28.39
10/18/05 04:35:12.0	28.42
10/18/05 05:05:12.0	28.44
10/18/05 05:35:12.0	28.42
10/18/05 06:05:12.0	28.42
10/18/05 06:35:12.0	28.39
10/18/05 07:05:12.0	28.39
10/18/05 07:35:12.0	28.37
10/18/05 08:05:12.0	28.37
10/18/05 08:35:12.0	28.37
10/18/05 09:05:12.0	28.39
10/18/05 09:35:12.0	28.42
10/18/05 10:05:12.0	28.42
10/18/05 10:35:12.0	28.47
10/18/05 11:05:12.0	28.49
10/18/05 11:35:12.0	28.52
10/18/05 12:05:12.0	28.54
10/18/05 12:35:12.0	28.54
10/18/05 13:05:12.0	28.54
10/18/05 13:35:12.0	28.54
10/18/05 14:05:12.0	28.54
10/18/05 14:35:12.0	28.54
10/18/05 15:05:12.0	28.54
10/18/05 15:35:12.0	28.52
10/18/05 16:05:12.0	28.49
10/18/05 16:35:12.0	28.47
10/18/05 17:05:12.0	28.44
10/18/05 17:35:12.0	28.42
10/18/05 18:05:12.0	28.39
10/18/05 18:35:12.0	28.37
10/18/05 19:05:12.0	28.37
10/18/05 19:35:12.0	28.37
10/18/05 20:05:12.0	28.37
10/18/05 20:35:12.0	28.37
10/18/05 21:05:12.0	28.37
10/18/05 21:35:12.0	28.37
10/18/05 22:05:12.0	28.37
10/18/05 22:35:12.0	28.37
10/18/05 23:05:12.0	28.35
10/18/05 23:35:12.0	28.35
10/19/05 00:05:12.0	28.35
10/19/05 00:35:12.0	28.35
10/19/05 01:05:12.0	28.35
10/19/05 01:35:12.0	28.32
10/19/05 02:05:12.0	28.32
10/19/05 02:35:12.0	28.32
10/19/05 03:05:12.0	28.32
10/19/05 03:35:12.0	28.30
10/19/05 04:05:12.0	28.32
10/19/05 04:35:12.0	28.32
10/19/05 05:05:12.0	28.32
10/19/05 05:35:12.0	28.35
10/19/05 06:05:12.0	28.35
10/19/05 06:35:12.0	28.35

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/19/05 07:05:12.0	28.32
10/19/05 07:35:12.0	28.32
10/19/05 08:05:12.0	28.32
10/19/05 08:35:12.0	28.32
10/19/05 09:05:12.0	28.35
10/19/05 09:35:12.0	28.37
10/19/05 10:05:12.0	28.37
10/19/05 10:35:12.0	28.42
10/19/05 11:05:12.0	28.44
10/19/05 11:35:12.0	28.47
10/19/05 12:05:12.0	28.49
10/19/05 12:35:12.0	28.52
10/19/05 13:05:12.0	28.52
10/19/05 13:35:12.0	28.52
10/19/05 14:05:12.0	28.52
10/19/05 14:35:12.0	28.52
10/19/05 15:05:12.0	28.49
10/19/05 15:35:12.0	28.49
10/19/05 16:05:12.0	28.49
10/19/05 16:35:12.0	28.47
10/19/05 17:05:12.0	28.42
10/19/05 17:35:12.0	28.39
10/19/05 18:05:12.0	28.39
10/19/05 18:35:12.0	28.37
10/19/05 19:05:12.0	28.37
10/19/05 19:35:12.0	28.37
10/19/05 20:05:12.0	28.37
10/19/05 20:35:12.0	28.37
10/19/05 21:05:12.0	28.35
10/19/05 21:35:12.0	28.35
10/19/05 22:05:12.0	28.32
10/19/05 22:35:12.0	28.32
10/19/05 23:05:12.0	28.32
10/19/05 23:35:12.0	28.32
10/20/05 00:05:12.0	28.32
10/20/05 00:35:12.0	28.35
10/20/05 01:05:12.0	28.37
10/20/05 01:35:12.0	28.37
10/20/05 02:05:12.0	28.37
10/20/05 02:35:12.0	28.35
10/20/05 03:05:12.0	28.35
10/20/05 03:35:12.0	28.35
10/20/05 04:05:12.0	28.35
10/20/05 04:35:12.0	28.35
10/20/05 05:05:12.0	28.35
10/20/05 05:35:12.0	28.35
10/20/05 06:05:12.0	28.37
10/20/05 06:35:12.0	28.37
10/20/05 07:05:12.0	28.37
10/20/05 07:35:12.0	28.35
10/20/05 08:05:12.0	28.32
10/20/05 08:35:12.0	28.32
10/20/05 09:05:12.0	28.35
10/20/05 09:35:12.0	28.35
10/20/05 10:05:12.0	28.37
10/20/05 10:35:12.0	28.42
10/20/05 11:05:12.0	28.44
10/20/05 11:35:12.0	28.47
10/20/05 12:05:12.0	28.49
10/20/05 12:35:12.0	28.52
10/20/05 13:05:12.0	28.52
10/20/05 13:35:12.0	28.52
10/20/05 14:05:12.0	28.54
10/20/05 14:35:12.0	28.54
10/20/05 15:05:12.0	28.54
10/20/05 15:35:12.0	28.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/20/05 16:05:12.0	28.47
10/20/05 16:35:12.0	28.44
10/20/05 17:05:12.0	28.42
10/20/05 17:35:12.0	28.39
10/20/05 18:05:12.0	28.39
10/20/05 18:35:12.0	28.37
10/20/05 19:05:12.0	28.37
10/20/05 19:35:12.0	28.37
10/20/05 20:05:12.0	28.37
10/20/05 20:35:12.0	28.37
10/20/05 21:05:12.0	28.37
10/20/05 21:35:12.0	28.37
10/20/05 22:05:12.0	28.39
10/20/05 22:35:12.0	28.39
10/20/05 23:05:12.0	28.39
10/20/05 23:35:12.0	28.39
10/21/05 00:05:12.0	28.39
10/21/05 00:35:12.0	28.39
10/21/05 01:05:12.0	28.39
10/21/05 01:35:12.0	28.39
10/21/05 02:05:12.0	28.39
10/21/05 02:35:12.0	28.39
10/21/05 03:05:12.0	28.37
10/21/05 03:35:12.0	28.37
10/21/05 04:05:12.0	28.37
10/21/05 04:35:12.0	28.37
10/21/05 05:05:12.0	28.37
10/21/05 05:35:12.0	28.39
10/21/05 06:05:12.0	28.39
10/21/05 06:35:12.0	28.39
10/21/05 07:05:12.0	28.37
10/21/05 07:35:12.0	28.37
10/21/05 08:05:12.0	28.37
10/21/05 08:35:12.0	28.37
10/21/05 09:05:12.0	28.39
10/21/05 09:35:12.0	28.42
10/21/05 10:05:12.0	28.42
10/21/05 10:35:12.0	28.47
10/21/05 11:05:12.0	28.49
10/21/05 11:35:12.0	28.52
10/21/05 12:05:12.0	28.54
10/21/05 12:35:12.0	28.54
10/21/05 13:05:12.0	28.54
10/21/05 13:35:12.0	28.54
10/21/05 14:05:12.0	28.54
10/21/05 14:35:12.0	28.52
10/21/05 15:05:12.0	28.42
10/21/05 15:35:12.0	28.47
10/21/05 16:05:12.0	28.42
10/21/05 16:35:12.0	28.39
10/21/05 17:05:12.0	28.39
10/21/05 17:35:12.0	28.37
10/21/05 18:05:12.0	28.35
10/21/05 18:35:12.0	28.35
10/21/05 19:05:12.0	28.32
10/21/05 19:35:12.0	28.35
10/21/05 20:05:12.0	28.35
10/21/05 20:35:12.0	28.37
10/21/05 21:05:12.0	28.37
10/21/05 21:35:12.0	28.37
10/21/05 22:05:12.0	28.37
10/21/05 22:35:12.0	28.37
10/21/05 23:05:12.0	28.39
10/21/05 23:35:12.0	28.39
10/22/05 00:05:12.0	28.39
10/22/05 00:35:12.0	28.39

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/22/05 01:05:12.0	28.39
10/22/05 01:35:12.0	28.39
10/22/05 02:05:12.0	28.37
10/22/05 02:35:12.0	28.37
10/22/05 03:05:12.0	28.37
10/22/05 03:35:12.0	28.37
10/22/05 04:05:12.0	28.35
10/22/05 04:35:12.0	28.35
10/22/05 05:05:12.0	28.32
10/22/05 05:35:12.0	28.32
10/22/05 06:05:12.0	28.32
10/22/05 06:35:12.0	28.30
10/22/05 07:05:12.0	28.27
10/22/05 07:35:12.0	28.27
10/22/05 08:05:12.0	28.27
10/22/05 08:35:12.0	28.25
10/22/05 09:05:12.0	28.27
10/22/05 09:35:12.0	28.27
10/22/05 10:05:12.0	28.30
10/22/05 10:35:12.0	28.30
10/22/05 11:05:12.0	28.30
10/22/05 11:35:12.0	28.27
10/22/05 12:05:12.0	28.27
10/22/05 12:35:12.0	28.32
10/22/05 13:05:12.0	28.25
10/22/05 13:35:12.0	28.30
10/22/05 14:05:12.0	28.27
10/22/05 14:35:12.0	28.27
10/22/05 15:05:12.0	28.27
10/22/05 15:35:12.0	28.20
10/22/05 16:05:12.0	28.27
10/22/05 16:35:12.0	28.27
10/22/05 17:05:12.0	28.27
10/22/05 17:35:12.0	28.25
10/22/05 18:05:12.0	28.22
10/22/05 18:35:12.0	28.22
10/22/05 19:05:12.0	28.20
10/22/05 19:35:12.0	28.22
10/22/05 20:05:12.0	28.20
10/22/05 20:35:12.0	28.20
10/22/05 21:05:12.0	28.20
10/22/05 21:35:12.0	28.20
10/22/05 22:05:12.0	28.17
10/22/05 22:35:12.0	28.17
10/22/05 23:05:12.0	28.17
10/22/05 23:35:12.0	28.15
10/23/05 00:05:12.0	28.15
10/23/05 00:35:12.0	28.12
10/23/05 01:05:12.0	28.12
10/23/05 01:35:12.0	28.12
10/23/05 02:05:12.0	28.12
10/23/05 02:35:12.0	28.15
10/23/05 03:05:12.0	28.17
10/23/05 03:35:12.0	28.17
10/23/05 04:05:12.0	28.17
10/23/05 04:35:12.0	28.17
10/23/05 05:05:12.0	28.12
10/23/05 05:35:12.0	28.12
10/23/05 06:05:12.0	28.12
10/23/05 06:35:12.0	28.12
10/23/05 07:05:12.0	28.12
10/23/05 07:35:12.0	28.12
10/23/05 08:05:12.0	28.12
10/23/05 08:35:12.0	28.12
10/23/05 09:05:12.0	28.12
10/23/05 09:35:12.0	28.15

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/23/05 10:05:12.0	28.15
10/23/05 10:35:12.0	28.15
10/23/05 11:05:12.0	28.17
10/23/05 11:35:12.0	28.20
10/23/05 12:05:12.0	28.22
10/23/05 12:35:12.0	28.22
10/23/05 13:05:12.0	28.22
10/23/05 13:35:12.0	28.22
10/23/05 14:05:12.0	28.22
10/23/05 14:35:12.0	28.22
10/23/05 15:05:12.0	28.20
10/23/05 15:35:12.0	28.17
10/23/05 16:05:12.0	28.17
10/23/05 16:35:12.0	28.15
10/23/05 17:05:12.0	28.12
10/23/05 17:35:12.0	28.07
10/23/05 18:05:12.0	28.05
10/23/05 18:35:12.0	28.02
10/23/05 19:05:12.0	28.00
10/23/05 19:35:12.0	27.97
10/23/05 20:05:12.0	27.97
10/23/05 20:35:12.0	27.95
10/23/05 21:05:12.0	27.92
10/23/05 21:35:12.0	27.92
10/23/05 22:05:12.0	27.92
10/23/05 22:35:12.0	27.92
10/23/05 23:05:12.0	27.92
10/23/05 23:35:12.0	27.92
10/24/05 00:05:12.0	27.92
10/24/05 00:35:12.0	27.95
10/24/05 01:05:12.0	27.95
10/24/05 01:35:12.0	27.95
10/24/05 02:05:12.0	27.92
10/24/05 02:35:12.0	27.92
10/24/05 03:05:12.0	27.92
10/24/05 03:35:12.0	27.92
10/24/05 04:05:12.0	27.92
10/24/05 04:35:12.0	27.90
10/24/05 05:05:12.0	27.90
10/24/05 05:35:12.0	27.90
10/24/05 06:05:12.0	27.90
10/24/05 06:35:12.0	27.90
10/24/05 07:05:12.0	27.90
10/24/05 07:35:12.0	27.90
10/24/05 08:05:12.0	27.90
10/24/05 08:35:12.0	27.90
10/24/05 09:05:12.0	27.90
10/24/05 09:35:12.0	27.90
10/24/05 10:05:12.0	27.92
10/24/05 10:35:12.0	27.92
10/24/05 11:05:12.0	27.95
10/24/05 11:35:12.0	27.92
10/24/05 12:05:12.0	27.97
10/24/05 12:35:12.0	27.97
10/24/05 13:05:12.0	27.95
10/24/05 13:35:12.0	27.95
10/24/05 14:05:12.0	27.97
10/24/05 14:35:12.0	27.95
10/24/05 15:05:12.0	27.95
10/24/05 15:35:12.0	27.92
10/24/05 16:05:12.0	27.88
10/24/05 16:35:12.0	27.83
10/24/05 17:05:12.0	27.83
10/24/05 17:35:12.0	27.80
10/24/05 18:05:12.0	27.80
10/24/05 18:35:12.0	27.80

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/24/05 19:05:12.0	27.78
10/24/05 19:35:12.0	27.75
10/24/05 20:05:12.0	27.75
10/24/05 20:35:12.0	27.73
10/24/05 21:05:12.0	27.73
10/24/05 21:35:12.0	27.68
10/24/05 22:05:12.0	27.65
10/24/05 22:35:12.0	27.63
10/24/05 23:05:12.0	27.63
10/24/05 23:35:12.0	27.63
10/25/05 00:05:12.0	27.63
10/25/05 00:35:12.0	27.63
10/25/05 01:05:12.0	27.63
10/25/05 01:35:12.0	27.63
10/25/05 02:05:12.0	27.63
10/25/05 02:35:12.0	27.63
10/25/05 03:05:12.0	27.63
10/25/05 03:35:12.0	27.63
10/25/05 04:05:12.0	27.60
10/25/05 04:35:12.0	27.58
10/25/05 05:05:12.0	27.58
10/25/05 05:35:12.0	27.55
10/25/05 06:05:12.0	27.55
10/25/05 06:35:12.0	27.55
10/25/05 07:05:12.0	27.53
10/25/05 07:35:12.0	27.53
10/25/05 08:05:12.0	27.53
10/25/05 08:35:12.0	27.53
10/25/05 09:05:12.0	27.48
10/25/05 09:35:12.0	27.51
10/25/05 10:05:12.0	27.53
10/25/05 10:35:12.0	27.58
10/25/05 11:05:12.0	27.58
10/25/05 11:35:12.0	27.60
10/25/05 12:05:12.0	27.60
10/25/05 12:35:12.0	27.60
10/25/05 13:05:12.0	27.63
10/25/05 13:35:12.0	27.65
10/25/05 14:05:12.0	27.68
10/25/05 14:35:12.0	27.68
10/25/05 15:05:12.0	27.68
10/25/05 15:35:12.0	27.65
10/25/05 16:05:12.0	27.63
10/25/05 16:35:12.0	27.60
10/25/05 17:05:12.0	27.58
10/25/05 17:35:12.0	27.53
10/25/05 18:05:12.0	27.48
10/25/05 18:35:12.0	27.48
10/25/05 19:05:12.0	27.43
10/25/05 19:35:12.0	27.41
10/25/05 20:05:12.0	27.41
10/25/05 20:35:12.0	27.41
10/25/05 21:05:12.0	27.41
10/25/05 21:35:12.0	27.41
10/25/05 22:05:12.0	27.41
10/25/05 22:35:12.0	27.41
10/25/05 23:05:12.0	27.38
10/25/05 23:35:12.0	27.38
10/26/05 00:05:12.0	27.38
10/26/05 00:35:12.0	27.33
10/26/05 01:05:12.0	27.33
10/26/05 01:35:12.0	27.36
10/26/05 02:05:12.0	27.36
10/26/05 02:35:12.0	27.36
10/26/05 03:05:12.0	27.36
10/26/05 03:35:12.0	27.41

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/26/05 04:05:12.0	27.41
10/26/05 04:35:12.0	27.43
10/26/05 05:05:12.0	27.41
10/26/05 05:35:12.0	27.43
10/26/05 06:05:12.0	27.43
10/26/05 06:35:12.0	27.43
10/26/05 07:05:12.0	27.43
10/26/05 07:35:12.0	27.43
10/26/05 08:05:12.0	27.43
10/26/05 08:35:12.0	27.43
10/26/05 09:05:12.0	27.43
10/26/05 09:35:12.0	27.43
10/26/05 10:05:12.0	27.46
10/26/05 10:35:12.0	27.48
10/26/05 11:05:12.0	27.43
10/26/05 11:35:12.0	27.55
10/26/05 12:05:12.0	27.58
10/26/05 12:35:12.0	27.55
10/26/05 13:05:12.0	27.58
10/26/05 13:35:12.0	27.58
10/26/05 14:05:12.0	27.60
10/26/05 14:35:12.0	27.58
10/26/05 15:05:12.0	27.58
10/26/05 15:35:12.0	27.55
10/26/05 16:05:12.0	27.53
10/26/05 16:35:12.0	27.51
10/26/05 17:05:12.0	27.48
10/26/05 17:35:12.0	27.46
10/26/05 18:05:12.0	27.41
10/26/05 18:35:12.0	27.38
10/26/05 19:05:12.0	27.38
10/26/05 19:35:12.0	27.36
10/26/05 20:05:12.0	27.33
10/26/05 20:35:12.0	27.33
10/26/05 21:05:12.0	27.31
10/26/05 21:35:12.0	27.31
10/26/05 22:05:12.0	27.31
10/26/05 22:35:12.0	27.28
10/26/05 23:05:12.0	27.28
10/26/05 23:35:12.0	27.28
10/27/05 00:05:12.0	27.28
10/27/05 00:35:12.0	27.28
10/27/05 01:05:12.0	27.28
10/27/05 01:35:12.0	27.26
10/27/05 02:05:12.0	27.26
10/27/05 02:35:12.0	27.26
10/27/05 03:05:12.0	27.26
10/27/05 03:35:12.0	27.26
10/27/05 04:05:12.0	27.26
10/27/05 04:35:12.0	27.26
10/27/05 05:05:12.0	27.26
10/27/05 05:35:12.0	27.26
10/27/05 06:05:12.0	27.26
10/27/05 06:35:12.0	27.26
10/27/05 07:05:12.0	27.26
10/27/05 07:35:12.0	27.28
10/27/05 08:05:12.0	27.28
10/27/05 08:35:12.0	27.31
10/27/05 09:05:12.0	27.33
10/27/05 09:35:12.0	27.33
10/27/05 10:05:12.0	27.31
10/27/05 10:35:12.0	27.33
10/27/05 11:05:12.0	27.33
10/27/05 11:35:12.0	27.33
10/27/05 12:05:12.0	27.33
10/27/05 12:35:12.0	27.31

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/27/05 13:05:12.0	27.38
10/27/05 13:35:12.0	27.38
10/27/05 14:05:12.0	27.36
10/27/05 14:35:12.0	27.36
10/27/05 15:05:12.0	27.36
10/27/05 15:35:12.0	27.36
10/27/05 16:05:12.0	27.33
10/27/05 16:35:12.0	27.31
10/27/05 17:05:12.0	27.26
10/27/05 17:35:12.0	27.24
10/27/05 18:05:12.0	27.21
10/27/05 18:35:12.0	27.19
10/27/05 19:05:12.0	27.16
10/27/05 19:35:12.0	27.16
10/27/05 20:05:12.0	27.14
10/27/05 20:35:12.0	27.14
10/27/05 21:05:12.0	27.14
10/27/05 21:35:12.0	27.14
10/27/05 22:05:12.0	27.11
10/27/05 22:35:12.0	27.11
10/27/05 23:05:12.0	27.09
10/27/05 23:35:12.0	27.09
10/28/05 00:05:12.0	27.04
10/28/05 00:35:12.0	27.04
10/28/05 01:05:12.0	27.04
10/28/05 01:35:12.0	27.04
10/28/05 02:05:12.0	27.01
10/28/05 02:35:12.0	27.01
10/28/05 03:05:12.0	26.99
10/28/05 03:35:12.0	26.99
10/28/05 04:05:12.0	26.99
10/28/05 04:35:12.0	26.97
10/28/05 05:05:12.0	26.97
10/28/05 05:35:12.0	26.97
10/28/05 06:05:12.0	26.94
10/28/05 06:35:12.0	26.94
10/28/05 07:05:12.0	26.94
10/28/05 07:35:12.0	26.92
10/28/05 08:05:12.0	26.89
10/28/05 08:35:12.0	26.89
10/28/05 09:05:12.0	26.89
10/28/05 09:35:12.0	26.92
10/28/05 10:05:12.0	26.92
10/28/05 10:35:12.0	26.92
10/28/05 11:05:12.0	26.94
10/28/05 11:35:12.0	26.97
10/28/05 12:05:12.0	26.99
10/28/05 12:35:12.0	27.01
10/28/05 13:05:12.0	27.04
10/28/05 13:35:12.0	27.04
10/28/05 14:05:12.0	27.01
10/28/05 14:35:12.0	27.01
10/28/05 15:05:12.0	27.01
10/28/05 15:35:12.0	27.01
10/28/05 16:05:12.0	27.01
10/28/05 16:35:12.0	26.99
10/28/05 17:05:12.0	26.99
10/28/05 17:35:12.0	26.97
10/28/05 18:05:12.0	26.94
10/28/05 18:35:12.0	26.94
10/28/05 19:05:12.0	26.94
10/28/05 19:35:12.0	26.92
10/28/05 20:05:12.0	26.92
10/28/05 20:35:12.0	26.92
10/28/05 21:05:12.0	26.89
10/28/05 21:35:12.0	26.89

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/28/05 22:05:12.0	26.87
10/28/05 22:35:12.0	26.87
10/28/05 23:05:12.0	26.87
10/28/05 23:35:12.0	26.84
10/29/05 00:05:12.0	26.82
10/29/05 00:35:12.0	26.82
10/29/05 01:05:12.0	26.82
10/29/05 01:35:12.0	26.79
10/29/05 02:05:12.0	26.82
10/29/05 02:35:12.0	26.79
10/29/05 03:05:12.0	26.79
10/29/05 03:35:12.0	26.79
10/29/05 04:05:12.0	26.77
10/29/05 04:35:12.0	26.77
10/29/05 05:05:12.0	26.77
10/29/05 05:35:12.0	26.77
10/29/05 06:05:12.0	26.77
10/29/05 06:35:12.0	26.74
10/29/05 07:05:12.0	26.74
10/29/05 07:35:12.0	26.74
10/29/05 08:05:12.0	26.77
10/29/05 08:35:12.0	26.77
10/29/05 09:05:12.0	26.74
10/29/05 09:35:12.0	26.77
10/29/05 10:05:12.0	26.77
10/29/05 10:35:12.0	26.77
10/29/05 11:05:12.0	26.82
10/29/05 11:35:12.0	26.79
10/29/05 12:05:12.0	26.82
10/29/05 12:35:12.0	26.84
10/29/05 13:05:12.0	26.82
10/29/05 13:35:12.0	26.84
10/29/05 14:05:12.0	26.87
10/29/05 14:35:12.0	26.82
10/29/05 15:05:12.0	26.84
10/29/05 15:35:12.0	26.87
10/29/05 16:05:12.0	26.84
10/29/05 16:35:12.0	26.82
10/29/05 17:05:12.0	26.82
10/29/05 17:35:12.0	26.82
10/29/05 18:05:12.0	26.82
10/29/05 18:35:12.0	26.79
10/29/05 19:05:12.0	26.79
10/29/05 19:35:12.0	26.82
10/29/05 20:05:12.0	26.82
10/29/05 20:35:12.0	26.82
10/29/05 21:05:12.0	26.82
10/29/05 21:35:12.0	26.79
10/29/05 22:05:12.0	26.74
10/29/05 22:35:12.0	26.74
10/29/05 23:05:12.0	26.72
10/29/05 23:35:12.0	26.72
10/30/05 00:05:12.0	26.70
10/30/05 00:35:12.0	26.70
10/30/05 01:05:12.0	26.70
10/30/05 01:35:12.0	26.70
10/30/05 01:05:12.0	26.70
10/30/05 01:35:12.0	26.70
10/30/05 02:05:12.0	26.70
10/30/05 02:35:12.0	26.70
10/30/05 03:05:12.0	26.70
10/30/05 03:35:12.0	26.70
10/30/05 04:05:12.0	26.67
10/30/05 04:35:12.0	26.67
10/30/05 05:05:12.0	26.67
10/30/05 05:35:12.0	26.67

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/30/05 06:05:12.0	26.70
10/30/05 06:35:12.0	26.70
10/30/05 07:05:12.0	26.70
10/30/05 07:35:12.0	26.72
10/30/05 08:05:12.0	26.72
10/30/05 08:35:12.0	26.74
10/30/05 09:05:12.0	26.77
10/30/05 09:35:12.0	26.82
10/30/05 10:05:12.0	26.82
10/30/05 10:35:12.0	26.84
10/30/05 11:05:12.0	26.84
10/30/05 11:35:12.0	26.89
10/30/05 12:05:12.0	26.94
10/30/05 12:35:12.0	26.89
10/30/05 13:05:12.0	26.92
10/30/05 13:35:12.0	26.97
10/30/05 14:05:12.0	26.99
10/30/05 14:35:12.0	26.97
10/30/05 15:05:12.0	26.92
10/30/05 15:35:12.0	26.92
10/30/05 16:05:12.0	26.89
10/30/05 16:35:12.0	26.87
10/30/05 17:05:12.0	26.82
10/30/05 17:35:12.0	26.79
10/30/05 18:05:12.0	26.77
10/30/05 18:35:12.0	26.77
10/30/05 19:05:12.0	26.74
10/30/05 19:35:12.0	26.74
10/30/05 20:05:12.0	26.70
10/30/05 20:35:12.0	26.65
10/30/05 21:05:12.0	26.62
10/30/05 21:35:12.0	26.60
10/30/05 22:05:12.0	26.60
10/30/05 22:35:12.0	26.60
10/30/05 23:05:12.0	26.60
10/30/05 23:35:12.0	26.62
10/31/05 00:05:12.0	26.62
10/31/05 00:35:12.0	26.62
10/31/05 01:05:12.0	26.62
10/31/05 01:35:12.0	26.60
10/31/05 02:05:12.0	26.60
10/31/05 02:35:12.0	26.57
10/31/05 03:05:12.0	26.55
10/31/05 03:35:12.0	26.55
10/31/05 04:05:12.0	26.52
10/31/05 04:35:12.0	26.50
10/31/05 05:05:12.0	26.48
10/31/05 05:35:12.0	26.45
10/31/05 06:05:12.0	26.45
10/31/05 06:35:12.0	26.45
10/31/05 07:05:12.0	26.45
10/31/05 07:35:12.0	26.45
10/31/05 08:05:12.0	26.48
10/31/05 08:35:12.0	26.50
10/31/05 09:05:12.0	26.52
10/31/05 09:35:12.0	26.55
10/31/05 10:05:12.0	26.57
10/31/05 10:35:12.0	26.65
10/31/05 11:05:12.0	26.65
10/31/05 11:35:12.0	26.65
10/31/05 12:05:12.0	26.65
10/31/05 12:35:12.0	26.67
10/31/05 13:05:12.0	26.70
10/31/05 13:35:12.0	26.65
10/31/05 14:05:12.0	26.67
10/31/05 14:35:12.0	26.67

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
10/31/05 15:05:12.0	26.70
10/31/05 15:35:12.0	26.70
10/31/05 16:05:12.0	26.74
10/31/05 16:35:12.0	26.77
10/31/05 17:05:12.0	26.79
10/31/05 17:35:12.0	26.82
10/31/05 18:05:12.0	26.89
10/31/05 18:35:12.0	26.89
10/31/05 19:05:12.0	26.94
10/31/05 19:35:12.0	26.97
10/31/05 20:05:12.0	26.99
10/31/05 20:35:12.0	26.99
10/31/05 21:05:12.0	26.97
10/31/05 21:35:12.0	26.97
10/31/05 22:05:12.0	26.97
10/31/05 22:35:12.0	26.92
10/31/05 23:05:12.0	26.92
10/31/05 23:35:12.0	26.89
11/01/05 00:05:12.0	26.92
11/01/05 00:35:12.0	26.94
11/01/05 01:05:12.0	26.94
11/01/05 01:35:12.0	26.97
11/01/05 02:05:12.0	26.89
11/01/05 02:35:12.0	26.89
11/01/05 03:05:12.0	26.87
11/01/05 03:35:12.0	26.84
11/01/05 04:05:12.0	26.82
11/01/05 04:35:12.0	26.79
11/01/05 05:05:12.0	26.87
11/01/05 05:35:12.0	26.87
11/01/05 06:05:12.0	26.84
11/01/05 06:35:12.0	26.84
11/01/05 07:05:12.0	26.84
11/01/05 07:35:12.0	26.84
11/01/05 08:05:12.0	26.84
11/01/05 08:35:12.0	26.84
11/01/05 09:05:12.0	26.89
11/01/05 09:35:12.0	26.94
11/01/05 10:05:12.0	26.99
11/01/05 10:35:12.0	27.01
11/01/05 11:05:12.0	27.01
11/01/05 11:35:12.0	27.04
11/01/05 12:05:12.0	27.01
11/01/05 12:35:12.0	27.01
11/01/05 13:05:12.0	26.97
11/01/05 13:35:12.0	26.94
11/01/05 14:05:12.0	26.89
11/01/05 14:35:12.0	26.84
11/01/05 15:05:12.0	26.82
11/01/05 15:35:12.0	26.77
11/01/05 16:05:12.0	26.72
11/01/05 16:35:12.0	26.67
11/01/05 17:05:12.0	26.60
11/01/05 17:35:12.0	26.57
11/01/05 18:05:12.0	26.57
11/01/05 18:35:12.0	26.52
11/01/05 19:05:12.0	26.50
11/01/05 19:35:12.0	26.50
11/01/05 20:05:12.0	26.48
11/01/05 20:35:12.0	26.50
11/01/05 21:05:12.0	26.50
11/01/05 21:35:12.0	26.55
11/01/05 22:05:12.0	26.55
11/01/05 22:35:12.0	26.55
11/01/05 23:05:12.0	26.55
11/01/05 23:35:12.0	26.52

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	**Temp (ºC)**
11/02/05 00:05:12.0	26.50
11/02/05 00:35:12.0	26.50
11/02/05 01:05:12.0	26.50
11/02/05 01:35:12.0	26.50
11/02/05 02:05:12.0	26.50
11/02/05 02:35:12.0	26.50
11/02/05 03:05:12.0	26.52
11/02/05 03:35:12.0	26.50
11/02/05 04:05:12.0	26.50
11/02/05 04:35:12.0	26.45
11/02/05 05:05:12.0	26.43
11/02/05 05:35:12.0	26.38
11/02/05 06:05:12.0	26.33
11/02/05 06:35:12.0	26.30
11/02/05 07:05:12.0	26.28
11/02/05 07:35:12.0	26.28
11/02/05 08:05:12.0	26.26
11/02/05 08:35:12.0	26.28
11/02/05 09:05:12.0	26.35
11/02/05 09:35:12.0	26.40
11/02/05 10:05:12.0	26.35
11/02/05 10:35:12.0	26.33
11/02/05 11:05:12.0	26.35
11/02/05 11:35:12.0	26.38
11/02/05 12:05:12.0	26.35
11/02/05 12:35:12.0	26.33
11/02/05 13:05:12.0	26.30
11/02/05 13:35:12.0	26.30
11/02/05 14:05:12.0	26.33
11/02/05 14:35:12.0	26.38
11/02/05 15:05:12.0	26.43
11/02/05 15:35:12.0	26.43
11/02/05 16:05:12.0	26.40
11/02/05 16:35:12.0	26.40
11/02/05 17:05:12.0	26.38
11/02/05 17:35:12.0	26.35
11/02/05 18:05:12.0	26.35
11/02/05 18:35:12.0	26.30
11/02/05 19:05:12.0	26.16
11/02/05 19:35:12.0	26.06
11/02/05 20:05:12.0	26.01
11/02/05 20:35:12.0	26.01
11/02/05 21:05:12.0	26.01
11/02/05 21:35:12.0	26.01
11/02/05 22:05:12.0	26.01
11/02/05 22:35:12.0	26.01
11/02/05 23:05:12.0	26.01
11/02/05 23:35:12.0	26.04
11/03/05 00:05:12.0	26.04
11/03/05 00:35:12.0	26.06
11/03/05 01:05:12.0	26.06
11/03/05 01:35:12.0	26.06
11/03/05 02:05:12.0	26.09
11/03/05 02:35:12.0	26.09
11/03/05 03:05:12.0	26.11
11/03/05 03:35:12.0	26.11
11/03/05 04:05:12.0	26.13
11/03/05 04:35:12.0	26.13
11/03/05 05:05:12.0	26.16
11/03/05 05:35:12.0	26.16
11/03/05 06:05:12.0	26.13
11/03/05 06:35:12.0	26.13
11/03/05 07:05:12.0	26.11
11/03/05 07:35:12.0	26.09
11/03/05 08:05:12.0	26.11
11/03/05 08:35:12.0	26.11

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/03/05 09:05:12.0	26.11
11/03/05 09:35:12.0	26.13
11/03/05 10:05:12.0	26.16
11/03/05 10:35:12.0	26.16
11/03/05 11:05:12.0	26.21
11/03/05 11:35:12.0	26.23
11/03/05 12:05:12.0	26.28
11/03/05 12:35:12.0	26.26
11/03/05 13:05:12.0	26.28
11/03/05 13:35:12.0	26.28
11/03/05 14:05:12.0	26.26
11/03/05 14:35:12.0	26.18
11/03/05 15:05:12.0	26.16
11/03/05 15:35:12.0	26.18
11/03/05 16:05:12.0	26.18
11/03/05 16:35:12.0	26.16
11/03/05 17:05:12.0	26.16
11/03/05 17:35:12.0	26.16
11/03/05 18:05:12.0	26.21
11/03/05 18:35:12.0	26.21
11/03/05 19:05:12.0	26.21
11/03/05 19:35:12.0	26.21
11/03/05 20:05:12.0	26.21
11/03/05 20:35:12.0	26.21
11/03/05 21:05:12.0	26.23
11/03/05 21:35:12.0	26.23
11/03/05 22:05:12.0	26.21
11/03/05 22:35:12.0	26.18
11/03/05 23:05:12.0	26.18
11/03/05 23:35:12.0	26.21
11/04/05 00:05:12.0	26.18
11/04/05 00:35:12.0	26.18
11/04/05 01:05:12.0	26.18
11/04/05 01:35:12.0	26.21
11/04/05 02:05:12.0	26.23
11/04/05 02:35:12.0	26.23
11/04/05 03:05:12.0	26.23
11/04/05 03:35:12.0	26.23
11/04/05 04:05:12.0	26.23
11/04/05 04:35:12.0	26.23
11/04/05 05:05:12.0	26.23
11/04/05 05:35:12.0	26.23
11/04/05 06:05:12.0	26.23
11/04/05 06:35:12.0	26.21
11/04/05 07:05:12.0	26.21
11/04/05 07:35:12.0	26.21
11/04/05 08:05:12.0	26.21
11/04/05 08:35:12.0	26.18
11/04/05 09:05:12.0	26.21
11/04/05 09:35:12.0	26.21
11/04/05 10:05:12.0	26.18
11/04/05 10:35:12.0	26.18
11/04/05 11:05:12.0	26.21
11/04/05 11:35:12.0	26.23
11/04/05 12:05:12.0	26.23
11/04/05 12:35:12.0	26.26
11/04/05 13:05:12.0	26.23
11/04/05 13:35:12.0	26.26
11/04/05 14:05:12.0	26.23
11/04/05 14:35:12.0	26.21
11/04/05 15:05:12.0	26.21
11/04/05 15:35:12.0	26.18
11/04/05 16:05:12.0	26.18
11/04/05 16:35:12.0	26.18
11/04/05 17:05:12.0	26.18
11/04/05 17:35:12.0	26.18

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/04/05 18:05:12.0	26.18
11/04/05 18:35:12.0	26.16
11/04/05 19:05:12.0	26.18
11/04/05 19:35:12.0	26.18
11/04/05 20:05:12.0	26.18
11/04/05 20:35:12.0	26.18
11/04/05 21:05:12.0	26.18
11/04/05 21:35:12.0	26.18
11/04/05 22:05:12.0	26.18
11/04/05 22:35:12.0	26.18
11/04/05 23:05:12.0	26.18
11/04/05 23:35:12.0	26.18
11/05/05 00:05:12.0	26.18
11/05/05 00:35:12.0	26.21
11/05/05 01:05:12.0	26.18
11/05/05 01:35:12.0	26.18
11/05/05 02:05:12.0	26.16
11/05/05 02:35:12.0	26.16
11/05/05 03:05:12.0	26.16
11/05/05 03:35:12.0	26.13
11/05/05 04:05:12.0	26.11
11/05/05 04:35:12.0	26.11
11/05/05 05:05:12.0	26.11
11/05/05 05:35:12.0	26.11
11/05/05 06:05:12.0	26.11
11/05/05 06:35:12.0	26.11
11/05/05 07:05:12.0	26.11
11/05/05 07:35:12.0	26.11
11/05/05 08:05:12.0	26.11
11/05/05 08:35:12.0	26.11
11/05/05 09:05:12.0	26.13
11/05/05 09:35:12.0	26.16
11/05/05 10:05:12.0	26.16
11/05/05 10:35:12.0	26.21
11/05/05 11:05:12.0	26.23
11/05/05 11:35:12.0	26.26
11/05/05 12:05:12.0	26.33
11/05/05 12:35:12.0	26.33
11/05/05 13:05:12.0	26.35
11/05/05 13:35:12.0	26.35
11/05/05 14:05:12.0	26.33
11/05/05 14:35:12.0	26.33
11/05/05 15:05:12.0	26.30
11/05/05 15:35:12.0	26.30
11/05/05 16:05:12.0	26.28
11/05/05 16:35:12.0	26.26
11/05/05 17:05:12.0	26.26
11/05/05 17:35:12.0	26.26
11/05/05 18:05:12.0	26.26
11/05/05 18:35:12.0	26.26
11/05/05 19:05:12.0	26.26
11/05/05 19:35:12.0	26.26
11/05/05 20:05:12.0	26.26
11/05/05 20:35:12.0	26.26
11/05/05 21:05:12.0	26.26
11/05/05 21:35:12.0	26.26
11/05/05 22:05:12.0	26.28
11/05/05 22:35:12.0	26.28
11/05/05 23:05:12.0	26.28
11/05/05 23:35:12.0	26.26
11/06/05 00:05:12.0	26.26
11/06/05 00:35:12.0	26.26
11/06/05 01:05:12.0	26.26
11/06/05 01:35:12.0	26.26
11/06/05 02:05:12.0	26.26
11/06/05 02:35:12.0	26.26

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/06/05 03:05:12.0	26.26
11/06/05 03:35:12.0	26.26
11/06/05 04:05:12.0	26.26
11/06/05 04:35:12.0	26.26
11/06/05 05:05:12.0	26.23
11/06/05 05:35:12.0	26.23
11/06/05 06:05:12.0	26.21
11/06/05 06:35:12.0	26.21
11/06/05 07:05:12.0	26.21
11/06/05 07:35:12.0	26.21
11/06/05 08:05:12.0	26.21
11/06/05 08:35:12.0	26.18
11/06/05 09:05:12.0	26.11
11/06/05 09:35:12.0	26.11
11/06/05 10:05:12.0	26.13
11/06/05 10:35:12.0	26.16
11/06/05 11:05:12.0	26.16
11/06/05 11:35:12.0	26.16
11/06/05 12:05:12.0	26.16
11/06/05 12:35:12.0	26.16
11/06/05 13:05:12.0	26.13
11/06/05 13:35:12.0	26.18
11/06/05 14:05:12.0	26.18
11/06/05 14:35:12.0	26.16
11/06/05 15:05:12.0	26.16
11/06/05 15:35:12.0	26.16
11/06/05 16:05:12.0	26.13
11/06/05 16:35:12.0	26.13
11/06/05 17:05:12.0	26.13
11/06/05 17:35:12.0	26.13
11/06/05 18:05:12.0	26.13
11/06/05 18:35:12.0	26.13
11/06/05 19:05:12.0	26.13
11/06/05 19:35:12.0	26.13
11/06/05 20:05:12.0	26.13
11/06/05 20:35:12.0	26.13
11/06/05 21:05:12.0	26.13
11/06/05 21:35:12.0	26.11
11/06/05 22:05:12.0	26.09
11/06/05 22:35:12.0	26.09
11/06/05 23:05:12.0	26.09
11/06/05 23:35:12.0	26.09
11/07/05 00:05:12.0	26.06
11/07/05 00:35:12.0	26.06
11/07/05 01:05:12.0	26.06
11/07/05 01:35:12.0	26.06
11/07/05 02:05:12.0	26.06
11/07/05 02:35:12.0	26.06
11/07/05 03:05:12.0	26.06
11/07/05 03:35:12.0	26.06
11/07/05 04:05:12.0	26.06
11/07/05 04:35:12.0	26.06
11/07/05 05:05:12.0	26.06
11/07/05 05:35:12.0	26.06
11/07/05 06:05:12.0	26.06
11/07/05 06:35:12.0	26.06
11/07/05 07:05:12.0	26.06
11/07/05 07:35:12.0	26.06
11/07/05 08:05:12.0	26.06
11/07/05 08:35:12.0	26.09
11/07/05 09:05:12.0	26.11
11/07/05 09:35:12.0	26.13
11/07/05 10:05:12.0	26.16
11/07/05 10:35:12.0	26.18
11/07/05 11:05:12.0	26.18
11/07/05 11:35:12.0	26.23

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/07/05 12:05:12.0	26.23
11/07/05 12:35:12.0	26.18
11/07/05 13:05:12.0	26.21
11/07/05 13:35:12.0	26.18
11/07/05 14:05:12.0	26.16
11/07/05 14:35:12.0	26.16
11/07/05 15:05:12.0	26.13
11/07/05 15:35:12.0	26.11
11/07/05 16:05:12.0	26.11
11/07/05 16:35:12.0	26.11
11/07/05 17:05:12.0	26.11
11/07/05 17:35:12.0	26.09
11/07/05 18:05:12.0	26.09
11/07/05 18:35:12.0	26.09
11/07/05 19:05:12.0	26.09
11/07/05 19:35:12.0	26.09
11/07/05 20:05:12.0	26.06
11/07/05 20:35:12.0	26.04
11/07/05 21:05:12.0	26.06
11/07/05 21:35:12.0	26.06
11/07/05 22:05:12.0	26.04
11/07/05 22:35:12.0	26.06
11/07/05 23:05:12.0	26.06
11/07/05 23:35:12.0	26.09
11/08/05 00:05:12.0	26.09
11/08/05 00:35:12.0	26.11
11/08/05 01:05:12.0	26.11
11/08/05 01:35:12.0	26.13
11/08/05 02:05:12.0	26.16
11/08/05 02:35:12.0	26.16
11/08/05 03:05:12.0	26.16
11/08/05 03:35:12.0	26.16
11/08/05 04:05:12.0	26.18
11/08/05 04:35:12.0	26.18
11/08/05 05:05:12.0	26.18
11/08/05 05:35:12.0	26.18
11/08/05 06:05:12.0	26.18
11/08/05 06:35:12.0	26.18
11/08/05 07:05:12.0	26.18
11/08/05 07:35:12.0	26.18
11/08/05 08:05:12.0	26.18
11/08/05 08:35:12.0	26.18
11/08/05 09:05:12.0	26.21
11/08/05 09:35:12.0	26.21
11/08/05 10:05:12.0	26.23
11/08/05 10:35:12.0	26.26
11/08/05 11:05:12.0	26.26
11/08/05 11:35:12.0	26.28
11/08/05 12:05:12.0	26.30
11/08/05 12:35:12.0	26.28
11/08/05 13:05:12.0	26.28
11/08/05 13:35:12.0	26.28
11/08/05 14:05:12.0	26.26
11/08/05 14:35:12.0	26.23
11/08/05 15:05:12.0	26.18
11/08/05 15:35:12.0	26.16
11/08/05 16:05:12.0	26.13
11/08/05 16:35:12.0	26.13
11/08/05 17:05:12.0	26.11
11/08/05 17:35:12.0	26.11
11/08/05 18:05:12.0	26.09
11/08/05 18:35:12.0	26.09
11/08/05 19:05:12.0	26.06
11/08/05 19:35:12.0	26.06
11/08/05 20:05:12.0	26.06
11/08/05 20:35:12.0	26.06

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/08/05 21:05:12.0	26.06
11/08/05 21:35:12.0	26.06
11/08/05 22:05:12.0	26.06
11/08/05 22:35:12.0	26.06
11/08/05 23:05:12.0	26.06
11/08/05 23:35:12.0	26.06
11/09/05 00:05:12.0	26.06
11/09/05 00:35:12.0	26.06
11/09/05 01:05:12.0	26.09
11/09/05 01:35:12.0	26.09
11/09/05 02:05:12.0	26.09
11/09/05 02:35:12.0	26.09
11/09/05 03:05:12.0	26.09
11/09/05 03:35:12.0	26.09
11/09/05 04:05:12.0	26.09
11/09/05 04:35:12.0	26.09
11/09/05 05:05:12.0	26.09
11/09/05 05:35:12.0	26.09
11/09/05 06:05:12.0	26.09
11/09/05 06:35:12.0	26.11
11/09/05 07:05:12.0	26.11
11/09/05 07:35:12.0	26.11
11/09/05 08:05:12.0	26.11
11/09/05 08:35:12.0	26.11
11/09/05 09:05:12.0	26.13
11/09/05 09:35:12.0	26.16
11/09/05 10:05:12.0	26.16
11/09/05 10:35:12.0	26.18
11/09/05 11:05:12.0	26.18
11/09/05 11:35:12.0	26.21
11/09/05 12:05:12.0	26.23
11/09/05 12:35:12.0	26.23
11/09/05 13:05:12.0	26.23
11/09/05 13:35:12.0	26.23
11/09/05 14:05:12.0	26.21
11/09/05 14:35:12.0	26.18
11/09/05 15:05:12.0	26.13
11/09/05 15:35:12.0	26.11
11/09/05 16:05:12.0	26.11
11/09/05 16:35:12.0	26.09
11/09/05 17:05:12.0	26.06
11/09/05 17:35:12.0	26.09
11/09/05 18:05:12.0	26.09
11/09/05 18:35:12.0	26.11
11/09/05 19:05:12.0	26.13
11/09/05 19:35:12.0	26.13
11/09/05 20:05:12.0	26.16
11/09/05 20:35:12.0	26.16
11/09/05 21:05:12.0	26.18
11/09/05 21:35:12.0	26.18
11/09/05 22:05:12.0	26.18
11/09/05 22:35:12.0	26.16
11/09/05 23:05:12.0	26.16
11/09/05 23:35:12.0	26.16
11/10/05 00:05:12.0	26.13
11/10/05 00:35:12.0	26.13
11/10/05 01:05:12.0	26.11
11/10/05 01:35:12.0	26.11
11/10/05 02:05:12.0	26.09
11/10/05 02:35:12.0	26.09
11/10/05 03:05:12.0	26.09
11/10/05 03:35:12.0	26.11
11/10/05 04:05:12.0	26.11
11/10/05 04:35:12.0	26.11
11/10/05 05:05:12.0	26.11
11/10/05 05:35:12.0	26.11

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/10/05 06:05:12.0	26.11
11/10/05 06:35:12.0	26.11
11/10/05 07:05:12.0	26.11
11/10/05 07:35:12.0	26.11
11/10/05 08:05:12.0	26.11
11/10/05 08:35:12.0	26.13
11/10/05 09:05:12.0	26.13
11/10/05 09:35:12.0	26.16
11/10/05 10:05:12.0	26.16
11/10/05 10:35:12.0	26.18
11/10/05 11:05:12.0	26.21
11/10/05 11:35:12.0	26.23
11/10/05 12:05:12.0	26.23
11/10/05 12:35:12.0	26.26
11/10/05 13:05:12.0	26.23
11/10/05 13:35:12.0	26.21
11/10/05 14:05:12.0	26.21
11/10/05 14:35:12.0	26.21
11/10/05 15:05:12.0	26.21
11/10/05 15:35:12.0	26.21
11/10/05 16:05:12.0	26.18
11/10/05 16:35:12.0	26.16
11/10/05 17:05:12.0	26.16
11/10/05 17:35:12.0	26.16
11/10/05 18:05:12.0	26.16
11/10/05 18:35:12.0	26.16
11/10/05 19:05:12.0	26.16
11/10/05 19:35:12.0	26.13
11/10/05 20:05:12.0	26.13
11/10/05 20:35:12.0	26.13
11/10/05 21:05:12.0	26.13
11/10/05 21:35:12.0	26.13
11/10/05 22:05:12.0	26.13
11/10/05 22:35:12.0	26.13
11/10/05 23:05:12.0	26.16
11/10/05 23:35:12.0	26.16
11/11/05 00:05:12.0	26.16
11/11/05 00:35:12.0	26.16
11/11/05 01:05:12.0	26.16
11/11/05 01:35:12.0	26.16
11/11/05 02:05:12.0	26.16
11/11/05 02:35:12.0	26.16
11/11/05 03:05:12.0	26.18
11/11/05 03:35:12.0	26.18
11/11/05 04:05:12.0	26.21
11/11/05 04:35:12.0	26.21
11/11/05 05:05:12.0	26.21
11/11/05 05:35:12.0	26.23
11/11/05 06:05:12.0	26.23
11/11/05 06:35:12.0	26.23
11/11/05 07:05:12.0	26.23
11/11/05 07:35:12.0	26.23
11/11/05 08:05:12.0	26.23
11/11/05 08:35:12.0	26.26
11/11/05 09:05:12.0	26.26
11/11/05 09:35:12.0	26.28
11/11/05 10:05:12.0	26.30
11/11/05 10:35:12.0	26.33
11/11/05 11:05:12.0	26.35
11/11/05 11:35:12.0	26.28
11/11/05 12:05:12.0	26.35
11/11/05 12:35:12.0	26.33
11/11/05 13:05:12.0	26.38
11/11/05 13:35:12.0	26.33
11/11/05 14:05:12.0	26.30
11/11/05 14:35:12.0	26.30

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/11/05 15:05:12.0	26.28
11/11/05 15:35:12.0	26.23
11/11/05 16:05:12.0	26.18
11/11/05 16:35:12.0	26.18
11/11/05 17:05:12.0	26.18
11/11/05 17:35:12.0	26.18
11/11/05 18:05:12.0	26.18
11/11/05 18:35:12.0	26.18
11/11/05 19:05:12.0	26.18
11/11/05 19:35:12.0	26.18
11/11/05 20:05:12.0	26.18
11/11/05 20:35:12.0	26.18
11/11/05 21:05:12.0	26.18
11/11/05 21:35:12.0	26.21
11/11/05 22:05:12.0	26.21
11/11/05 22:35:12.0	26.21
11/11/05 23:05:12.0	26.18
11/11/05 23:35:12.0	26.18
11/12/05 00:05:12.0	26.18
11/12/05 00:35:12.0	26.18
11/12/05 01:05:12.0	26.18
11/12/05 01:35:12.0	26.18
11/12/05 02:05:12.0	26.18
11/12/05 02:35:12.0	26.18
11/12/05 03:05:12.0	26.18
11/12/05 03:35:12.0	26.16
11/12/05 04:05:12.0	26.16
11/12/05 04:35:12.0	26.13
11/12/05 05:05:12.0	26.13
11/12/05 05:35:12.0	26.13
11/12/05 06:05:12.0	26.11
11/12/05 06:35:12.0	26.11
11/12/05 07:05:12.0	26.09
11/12/05 07:35:12.0	26.09
11/12/05 08:05:12.0	26.09
11/12/05 08:35:12.0	26.06
11/12/05 09:05:12.0	26.09
11/12/05 09:35:12.0	26.09
11/12/05 10:05:12.0	26.11
11/12/05 10:35:12.0	26.11
11/12/05 11:05:12.0	26.13
11/12/05 11:35:12.0	26.16
11/12/05 12:05:12.0	26.18
11/12/05 12:35:12.0	26.16
11/12/05 13:05:12.0	26.16
11/12/05 13:35:12.0	26.21
11/12/05 14:05:12.0	26.21
11/12/05 14:35:12.0	26.18
11/12/05 15:05:12.0	26.18
11/12/05 15:35:12.0	26.18
11/12/05 16:05:12.0	26.16
11/12/05 16:35:12.0	26.16
11/12/05 17:05:12.0	26.16
11/12/05 17:35:12.0	26.16
11/12/05 18:05:12.0	26.16
11/12/05 18:35:12.0	26.13
11/12/05 19:05:12.0	26.13
11/12/05 19:35:12.0	26.13
11/12/05 20:05:12.0	26.11
11/12/05 20:35:12.0	26.11
11/12/05 21:05:12.0	26.11
11/12/05 21:35:12.0	26.09
11/12/05 22:05:12.0	26.09
11/12/05 22:35:12.0	26.09
11/12/05 23:05:12.0	26.06
11/12/05 23:35:12.0	26.06

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	Temp (ºC)
11/13/05 00:05:12.0	26.06
11/13/05 00:35:12.0	26.06
11/13/05 01:05:12.0	26.06
11/13/05 01:35:12.0	26.09
11/13/05 02:05:12.0	26.09
11/13/05 02:35:12.0	26.09
11/13/05 03:05:12.0	26.09
11/13/05 03:35:12.0	26.09
11/13/05 04:05:12.0	26.09
11/13/05 04:35:12.0	26.09
11/13/05 05:05:12.0	26.09
11/13/05 05:35:12.0	26.09
11/13/05 06:05:12.0	26.09
11/13/05 06:35:12.0	26.09
11/13/05 07:05:12.0	26.11
11/13/05 07:35:12.0	26.11
11/13/05 08:05:12.0	26.11
11/13/05 08:35:12.0	26.13
11/13/05 09:05:12.0	26.13
11/13/05 09:35:12.0	26.16
11/13/05 10:05:12.0	26.13
11/13/05 10:35:12.0	26.18
11/13/05 11:05:12.0	26.13
11/13/05 11:35:12.0	26.16
11/13/05 12:05:12.0	26.21
11/13/05 12:35:12.0	26.21
11/13/05 13:05:12.0	26.18
11/13/05 13:35:12.0	26.18
11/13/05 14:05:12.0	26.18
11/13/05 14:35:12.0	26.18
11/13/05 15:05:12.0	26.18
11/13/05 15:35:12.0	26.16
11/13/05 16:05:12.0	26.16
11/13/05 16:35:12.0	26.13
11/13/05 17:05:12.0	26.11
11/13/05 17:35:12.0	26.11
11/13/05 18:05:12.0	26.11
11/13/05 18:35:12.0	26.11
11/13/05 19:05:12.0	26.11
11/13/05 19:35:12.0	26.11
11/13/05 20:05:12.0	26.09
11/13/05 20:35:12.0	26.09
11/13/05 21:05:12.0	26.09
11/13/05 21:35:12.0	26.11
11/13/05 22:05:12.0	26.09
11/13/05 22:35:12.0	26.11
11/13/05 23:05:12.0	26.11
11/13/05 23:35:12.0	26.11
11/14/05 00:05:12.0	26.11
11/14/05 00:35:12.0	26.11
11/14/05 01:05:12.0	26.13
11/14/05 01:35:12.0	26.13
11/14/05 02:05:12.0	26.13
11/14/05 02:35:12.0	26.11
11/14/05 03:05:12.0	26.11
11/14/05 03:35:12.0	26.11
11/14/05 04:05:12.0	26.11
11/14/05 04:35:12.0	26.11
11/14/05 05:05:12.0	26.11
11/14/05 05:35:12.0	26.11
11/14/05 06:05:12.0	26.11
11/14/05 06:35:12.0	26.13
11/14/05 07:05:12.0	26.13
11/14/05 07:35:12.0	26.13
11/14/05 08:05:12.0	26.16
11/14/05 08:35:12.0	26.16

Appendix 5
Water Quality Data

East Flower Garden Bank	
Hobo Data October 12, 2005 - November 14, 2005	
Date/Time	**Temp (ºC)**
11/14/05 09:05:12.0	26.16
11/14/05 09:35:12.0	26.16
11/14/05 10:05:12.0	26.21
11/14/05 10:35:12.0	26.18
11/14/05 11:05:12.0	26.21
11/14/05 11:35:12.0	26.18
11/14/05 12:05:12.0	26.18
11/14/05 12:35:12.0	26.23
11/14/05 13:05:12.0	26.23
11/14/05 13:35:12.0	26.18
11/14/05 14:05:12.0	26.16

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/11/04 13:30	18.92	3.639	9.39	0.156	7.52	3.1	23.7
3/11/04 14:00	17.44	2.322	9.88	0.164	6.3	99.1	14.7
3/11/04 14:30	18.28	2.599	9.61	0.168	6.02	145.7	15.1
3/11/04 15:00	18.23	2.611	9.63	0.167	6.07	61.9	15
3/11/04 15:30	16.79	8.363	9.88	0.173	6.46	1290.6	39.9
3/11/04 16:00	18.19	0.656	9.7	0.169	7.01	158.2	15.5
3/11/04 16:30	17.49	-0.549	9.93	0.168	6.92	150.5	17
3/11/04 17:00	20.55	2.387	8.97	0.167	6.8	159.5	15
3/11/04 17:30	22.69	6.321	8.3	0.168	6.59	533.9	14.7
3/11/04 18:00	21.07	12.917	8.51	0.168	6.34	87.5	14.6
3/11/04 18:30	21.77	54.839	7.04	27.881	7.86	125.6	6.5
3/11/04 19:00	21.68	29.227	7.85	28.262	7.68	41.1	6.5
3/11/04 19:30	21.74	29.18	7.84	28.25	7.59	92.5	6.5
3/11/04 20:00	21.84	45.586	7.31	27.996	7.53	94.8	6.5
3/11/04 20:30	21.81	54.011	7.06	27.864	7.47	39.2	6.4
3/11/04 21:00	21.96	16.968	8.16	28.399	7.41	43	6.4
3/11/04 21:30	22.05	61.665	2.25	27.729	7.35	36.4	6.4
3/11/04 22:00	22.11	51.847	2.99	27.859	7.32	52.7	6.4
3/11/04 22:30	22.06	117.662	2.77	26.73	7.3	21.8	6.4
3/11/04 23:00	21.96	126.052	3.52	26.574	7.29	26.5	6.4
3/11/04 23:30	21.92	113.962	3.21	26.747	7.27	13.8	6.4
3/12/04 0:00	21.88	114.66	4.12	26.721	7.26	6.3	6.4
3/12/04 0:30	21.83	109.586	3.78	26.789	7.26	3	6.5
3/12/04 1:00	21.9	107.16	4.04	26.799	7.25	3	6.4
3/12/04 1:30	21.84	101.029	3.5	26.871	7.25	3.4	6.4
3/12/04 2:00	21.77	103.117	4.52	26.801	7.25	3.2	6.4
3/12/04 2:30	21.87	94.273	3.44	26.917	7.24	3.1	6.4
3/12/04 3:00	21.96	97.096	4.46	26.845	7.24	3.3	6.4
3/12/04 3:30	21.95	96.902	4.5	26.816	7.24	3.4	6.3
3/12/04 4:00	21.99	104.474	4.98	26.669	7.24	3.1	6.3
3/12/04 4:30	21.84	105.026	5.33	26.634	7.24	3.1	6.4
3/12/04 5:00	22.08	102.745	5.29	26.662	7.24	3.2	6.4
3/12/04 5:30	21.7	115.632	5.11	26.425	7.25	3.4	6.3
3/12/04 6:00	22.04	113.642	4.8	26.463	7.25	3.2	6.3
3/12/04 6:30	21.69	113.704	5.32	26.464	7.25	3.5	6.3
3/12/04 7:00	21.66	119.897	5.15	26.359	7.26	3	6.4
3/12/04 7:30	21.84	113.893	5.3	26.49	7.27	3.7	6.3
3/12/04 8:00	21.98	115.958	5.22	26.484	7.27	3.1	6.3
3/12/04 8:30	21.67	113.073	5.34	26.563	7.28	3.2	6.3
3/12/04 9:00	22.01	112.231	5.32	26.6	7.28	3	6.3
3/12/04 9:30	22.04	113.574	5.28	26.626	7.29	3.3	6.3
3/12/04 10:00	22.06	113.05	5.29	26.688	7.3	3.1	6.4
3/12/04 10:30	22.15	112.206	5.3	26.742	7.3	2.9	6.2
3/12/04 11:00	22.1	110.925	5.34	26.816	7.31	3	6.2
3/12/04 11:30	21.85	108.616	5.24	26.895	7.31	3.2	6.3
3/12/04 12:00	22.09	109.87	5.37	26.922	7.32	3.2	6.3
3/12/04 12:30	21.92	109.849	5.4	26.953	7.32	3.7	6.3
3/12/04 13:00	22.16	108.863	5.39	27.017	7.32	6.5	6.3
3/12/04 13:30	21.85	109.018	5.43	27.046	7.32	12.8	6.4
3/12/04 14:00	22.15	109.176	5.38	27.067	7.33	14.8	6.4
3/12/04 14:30	22.22	108.548	5.39	27.098	7.33	23.2	6.4
3/12/04 15:00	22.32	107.122	5.41	27.146	7.34	20.9	6.4
3/12/04 15:30	22.28	107.052	5.3	27.151	7.34	31.1	6.4
3/12/04 16:00	22.17	106.873	5.44	27.169	7.34	46.2	6.4
3/12/04 16:30	22.3	105.292	5.47	27.193	7.35	44.5	6.5
3/12/04 17:00	22.44	105.342	5.45	27.191	7.35	122.2	6.4
3/12/04 17:30	22.24	105.719	5.47	27.182	7.35	69.3	6.4
3/12/04 18:00	22.52	105.093	5.44	27.188	7.35	51	6.4
3/12/04 18:30	22.34	105.163	5.47	27.177	7.36	108.2	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/12/04 19:00	22.62	103.817	5.35	27.19	7.36	62.9	6.4
3/12/04 19:30	22.73	102.66	5.35	27.195	7.36	70.7	6.4
3/12/04 20:00	22.71	103.429	5.46	27.167	7.36	70	6.4
3/12/04 20:30	22.73	102.533	5.3	27.17	7.36	31.2	6.4
3/12/04 21:00	22.7	100.402	5.55	27.187	7.36	69.6	6.4
3/12/04 21:30	22.81	100.145	5.54	27.18	7.37	65	6.4
3/12/04 22:00	22.85	100.061	5.53	27.15	7.37	28.5	6.4
3/12/04 22:30	22.39	99.884	5.49	27.132	7.37	36.4	6.4
3/12/04 23:00	22.74	98.108	5	27.144	7.36	14.4	6.6
3/12/04 23:30	22.69	96.605	5.47	27.151	7.36	9.7	6.4
3/13/04 0:00	22.56	94.004	5.36	27.159	7.35	4.8	6.4
3/13/04 0:30	22.75	92.107	5.24	27.158	7.35	3.2	6.4
3/13/04 1:00	22.7	92.408	5.3	27.115	7.36	3	6.4
3/13/04 1:30	22.69	95.719	5.51	27.032	7.35	3.4	6.5
3/13/04 2:00	22.69	96.568	5	26.963	7.35	3.3	6.4
3/13/04 2:30	22.32	96.087	5.03	26.942	7.35	3.2	6.4
3/13/04 3:00	22.6	96.996	5.09	26.907	7.36	3.1	6.4
3/13/04 3:30	22.15	98.775	5.24	26.821	7.36	3.2	6.4
3/13/04 4:00	22.44	98.954	5.25	26.773	7.36	3.2	6.4
3/13/04 4:30	22.09	99.367	5.26	26.741	7.37	3.3	6.3
3/13/04 5:00	22.16	98.497	5.36	26.735	7.38	3.1	6.3
3/13/04 5:30	22.54	100.316	4.95	26.687	7.38	3.4	6.3
3/13/04 6:00	22.24	100.424	5.22	26.667	7.39	3.2	6.4
3/13/04 6:30	22.37	100.25	5.22	26.669	7.4	3.1	6.4
3/13/04 7:00	22.59	100.127	5.2	26.659	7.4	3.3	6.4
3/13/04 7:30	22.58	100.281	5.18	26.659	7.41	3.2	6.4
3/13/04 8:00	22.59	100.36	5.07	26.678	7.41	3.2	6.4
3/13/04 8:30	22.47	97.853	5.27	26.742	7.41	3.5	6.2
3/13/04 9:00	22.26	101.27	5.25	26.706	7.42	3.1	6.2
3/13/04 9:30	22.56	98.439	5.22	26.803	7.42	3.3	6.3
3/13/04 10:00	22.43	98.004	5.25	26.844	7.42	3.1	6.3
3/13/04 10:30	22.42	97.428	5.3	26.906	7.42	3.4	6.2
3/13/04 11:00	22.12	98.23	5.38	26.921	7.42	3.2	6.3
3/13/04 11:30	22.21	98.095	5.31	26.986	7.42	3.2	6.3
3/13/04 12:00	22.34	97.839	5.33	27.045	7.43	3.3	6.3
3/13/04 12:30	22.1	97.956	5.44	27.093	7.43	3.9	6.2
3/13/04 13:00	22.09	97.483	5.35	27.153	7.43	8.3	6.3
3/13/04 13:30	22.41	97.222	5.2	27.206	7.43	16.5	6.4
3/13/04 14:00	22.37	97.61	5.3	27.244	7.43	35	6.4
3/13/04 14:30	22.16	97.53	5.3	27.271	7.43	26.9	6.4
3/13/04 15:00	22.4	97.288	5.37	27.313	7.44	52.6	6.4
3/13/04 15:30	22.02	97.793	5.35	27.328	7.44	64.9	6.4
3/13/04 16:00	22.38	97.369	5.3	27.353	7.44	72.8	6.4
3/13/04 16:30	22.33	97.128	5.36	27.35	7.44	96.2	6.4
3/13/04 17:00	22.31	96.999	5.29	27.367	7.44	101	6.5
3/13/04 17:30	22.17	97.129	5.41	27.355	7.44	75.5	6.4
3/13/04 18:00	22.07	97.317	5.47	27.367	7.44	97.7	6.4
3/13/04 18:30	22.08	96.276	5.51	27.374	7.44	95.3	6.4
3/13/04 19:00	22.15	96.053	5.57	27.336	7.45	93	6.5
3/13/04 19:30	21.52	96.918	5.57	27.306	7.45	96.9	6.4
3/13/04 20:00	21.75	96.5	5.55	27.306	7.45	65.8	6.4
3/13/04 20:30	21.86	95.838	5.57	27.303	7.45	55	6.4
3/13/04 21:00	21.23	96.985	5.61	27.247	7.45	58.5	6.4
3/13/04 21:30	21.67	96.232	5.69	27.249	7.46	37.1	6.4
3/13/04 22:00	21.59	96.071	5.62	27.211	7.46	37.6	6.4
3/13/04 22:30	21.32	96.734	5.6	27.213	7.46	19.2	6.4
3/13/04 23:00	21.45	95.238	5.66	27.184	7.46	20.6	6.5
3/13/04 23:30	21.54	95.683	5.63	27.159	7.46	9.3	6.4
3/14/04 0:00	21.06	95.481	5.8	27.155	7.46	5.8	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/14/04 0:30	21.35	95.854	5.66	27.096	7.46	3.2	6.4
3/14/04 1:00	21.57	96.142	5.69	27.102	7.46	3.3	6.4
3/14/04 1:30	21.4	94.5	5.73	27.092	7.46	3.4	6.5
3/14/04 2:00	21.23	95.668	5.72	27.02	7.47	3.1	6.4
3/14/04 2:30	21.06	95.832	5.71	26.968	7.47	3.3	6.4
3/14/04 3:00	21.17	94.963	5.66	26.967	7.47	3.3	6.4
3/14/04 3:30	21.28	95.157	5.5	26.912	7.47	3.3	6.4
3/14/04 4:00	21.11	95.32	5.68	26.901	7.47	3.2	6.4
3/14/04 4:30	21.6	94.326	5.7	26.857	7.47	3.2	6.4
3/14/04 5:00	21.47	94.733	5.46	26.864	7.47	3.4	6.4
3/14/04 5:30	21.63	94.473	5.65	26.789	7.47	3	6.4
3/14/04 6:00	21.18	94.872	5.76	26.767	7.47	3	6.3
3/14/04 6:30	21.4	94.418	5.76	26.749	7.47	3.3	6.3
3/14/04 7:00	21.61	93.929	5.68	26.748	7.47	3.4	6.4
3/14/04 7:30	21.29	94.425	5.75	26.743	7.47	3.1	6.3
3/14/04 8:00	21.75	94.907	5.49	26.694	7.47	3.3	6.2
3/14/04 8:30	21.59	94.989	5.61	26.695	7.48	3.1	6.3
3/14/04 9:00	21.88	93.836	5.68	26.762	7.49	3.2	6.2
3/14/04 9:30	21.83	94.173	5.68	26.75	7.49	3.2	6.3
3/14/04 10:00	21.99	93.373	4.99	26.838	7.49	3.1	6.3
3/14/04 10:30	22.12	93.58	5.62	26.854	7.5	3.5	6.2
3/14/04 11:00	22.12	93.356	5.61	26.931	7.5	3.2	6.3
3/14/04 11:30	21.91	94.142	5.56	26.933	7.5	3.4	6.3
3/14/04 12:00	21.94	94.121	5.63	26.978	7.5	3.5	6.3
3/14/04 12:30	22.25	93.689	5.66	27.048	7.5	3.6	6.3
3/14/04 13:00	22.23	94.04	5.64	27.09	7.5	4	6.3
3/14/04 13:30	22.32	93.871	5.64	27.166	7.51	7.1	6.3
3/14/04 14:00	21.75	93.485	5.67	27.238	7.51	9.9	6.4
3/14/04 14:30	22.03	94.437	5.69	27.284	7.51	8.8	6.3
3/14/04 15:00	22.29	94.727	5.49	27.315	7.51	9.9	6.3
3/14/04 15:30	22.01	93.839	5.66	27.375	7.52	15.7	6.4
3/14/04 16:00	22.17	93.652	5.67	27.389	7.52	20.4	6.4
3/14/04 16:30	22.03	93.655	5.26	27.414	7.52	30.1	6.4
3/14/04 17:00	22.03	94.492	5.67	27.438	7.52	41.6	6.5
3/14/04 17:30	21.72	96.552	5.63	27.396	7.53	49.9	6.4
3/14/04 18:00	22.19	94.734	5.6	27.445	7.53	57.4	6.7
3/14/04 18:30	22.2	95.112	5.6	27.457	7.53	42.7	6.5
3/14/04 19:00	22.09	94.74	5.56	27.45	7.53	47.5	6.4
3/14/04 19:30	22.05	94.487	5.81	27.451	7.53	68.1	6.4
3/14/04 20:00	21.59	95.528	5.68	27.419	7.53	65.7	6.5
3/14/04 20:30	21.5	95.58	5.87	27.405	7.53	66.7	6.5
3/14/04 21:00	21.77	94.063	5.69	27.424	7.53	26.5	6.4
3/14/04 21:30	21.85	94.272	5.85	27.391	7.53	30.7	6.8
3/14/04 22:00	21.72	94.037	5.66	27.375	7.53	27.3	6.5
3/14/04 22:30	21.9	94.567	5.66	27.356	7.53	20.3	6.8
3/14/04 23:00	21.68	94.353	5.88	27.33	7.53	17	6.4
3/14/04 23:30	21.86	93.591	5.87	27.327	7.53	8.8	6.5
3/15/04 0:00	21.82	75.504	6.21	27.591	7.54	5.5	6.5
3/15/04 0:30	21.62	85.964	6.13	27.405	7.54	3.1	6.4
3/15/04 1:00	21.25	85.758	6.01	27.368	7.54	3.1	6.4
3/15/04 1:30	21.58	76.706	6.22	27.522	7.55	3.3	6.4
3/15/04 2:00	21.34	63.531	6.65	27.689	7.55	3	6.4
3/15/04 2:30	21.51	94.24	5.73	27.156	7.55	3.1	6.4
3/15/04 3:00	21.75	93.471	5.89	27.127	7.55	3.2	6.4
3/15/04 3:30	21.62	93.292	5.74	27.083	7.54	3.1	6.4
3/15/04 4:00	21.44	97.66	5.64	26.978	7.54	3	6.4
3/15/04 4:30	21.76	93.37	5.89	27.026	7.54	3.2	6.4
3/15/04 5:00	21.57	96.854	5.62	26.915	7.54	3	6.4
3/15/04 5:30	21.57	97.159	5.64	26.853	7.54	3.4	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/15/04 6:00	22.01	94.821	5.63	26.863	7.53	3.4	6.4
3/15/04 6:30	21.58	95.683	5.7	26.793	7.53	3.1	6.4
3/15/04 7:00	21.59	96.07	5.61	26.783	7.53	3.2	6.4
3/15/04 7:30	21.82	96.147	5.62	26.732	7.53	3.5	6.3
3/15/04 8:00	21.55	97.011	5.62	26.688	7.52	3.1	6.4
3/15/04 8:30	21.73	95.655	5.83	26.694	7.52	3.2	6.4
3/15/04 9:00	22.08	97.156	5.73	26.673	7.54	3.4	6.4
3/15/04 9:30	22.23	96.877	5.72	26.689	7.55	3.2	6.3
3/15/04 10:00	22.1	95.622	5.56	26.694	7.55	3.3	6.3
3/15/04 10:30	22.06	96.603	5.75	26.737	7.55	3	6.3
3/15/04 11:00	21.91	96.354	5.61	26.721	7.55	3.1	6.4
3/15/04 11:30	21.87	97.669	5.57	26.752	7.55	3.4	6.3
3/15/04 12:00	21.73	96.941	5.58	26.803	7.55	3	6.3
3/15/04 12:30	21.95	96.958	5.76	26.865	7.55	3.5	6.3
3/15/04 13:00	21.87	96.919	5.77	26.905	7.55	4.6	6.4
3/15/04 13:30	22.23	95.923	5.57	26.974	7.55	6.9	6.4
3/15/04 14:00	22.11	96.257	5.57	27.002	7.55	7.1	6.4
3/15/04 14:30	21.85	95.859	5.63	27.082	7.56	7.6	6.4
3/15/04 15:00	21.74	97.378	5.78	27.134	7.56	9.5	6.4
3/15/04 15:30	22.11	95.818	5.59	27.184	7.56	15.5	6.4
3/15/04 16:00	22.19	95.901	5.57	27.246	7.56	8.2	6.4
3/15/04 16:30	21.86	95.663	5.81	27.296	7.56	7.1	6.4
3/15/04 17:00	22.05	95.354	5.54	27.327	7.56	11.2	6.4
3/15/04 17:30	22.09	95.821	5.59	27.346	7.55	13	6.4
3/15/04 18:00	22.15	96.105	5.55	27.391	7.56	14.4	6.4
3/15/04 18:30	22.24	96.428	5.53	27.385	7.56	13.7	6.4
3/15/04 19:00	22.21	95.592	5.39	27.405	7.56	16.3	6.4
3/15/04 19:30	22.33	95.109	5.75	27.396	7.56	24.4	6.8
3/15/04 20:00	22.02	96.322	5.53	27.381	7.57	18.3	6.4
3/15/04 20:30	22.48	91.27	5.69	27.471	7.56	23.4	6.4
3/15/04 21:00	22.69	92.429	5.53	27.448	7.56	12	6.4
3/15/04 21:30	22.21	91.538	5.71	27.422	7.56	18.9	6.4
3/15/04 22:00	22.46	94.163	5.61	27.355	7.56	16.5	6.5
3/15/04 22:30	21.81	95.709	5.68	27.329	7.55	15.7	6.5
3/15/04 23:00	21.87	95.65	5.61	27.313	7.55	11.7	6.5
3/15/04 23:30	21.88	96.052	5.79	27.317	7.55	10.3	6.4
3/16/04 0:00	22.56	91.187	5.6	27.375	7.55	4.8	6.5
3/16/04 0:30	22.47	90.551	5.7	27.393	7.54	3.4	6.6
3/16/04 1:00	22.47	90.678	5.66	27.362	7.54	3.2	6.4
3/16/04 1:30	21.86	91.913	5.66	27.288	7.54	3.1	6.4
3/16/04 2:00	22.53	90.235	5.68	27.335	7.54	3.2	6.5
3/16/04 2:30	22.49	90.437	5.68	27.321	7.54	3.2	6.5
3/16/04 3:00	21.86	92.064	5.69	27.235	7.54	3.7	6.4
3/16/04 3:30	22.32	90.14	5.53	27.23	7.54	3.2	6.4
3/16/04 4:00	21.73	91.94	5.79	27.176	7.54	3	6.3
3/16/04 4:30	22.46	89.953	5.72	27.176	7.54	2.8	6.4
3/16/04 5:00	21.48	61.324	6.64	27.569	7.54	3	6.3
3/16/04 5:30	22.32	90.093	5.64	27.111	7.54	3.2	6.4
3/16/04 6:00	21.61	91.346	5.79	26.999	7.53	3.4	6.4
3/16/04 6:30	21.89	90.608	5.76	27	7.53	3.1	6.4
3/16/04 7:00	21.87	61.709	6.49	27.412	7.53	3.6	6.4
3/16/04 7:30	22.16	62.603	6.58	27.392	7.53	3.2	6.4
3/16/04 8:00	22.14	62.098	6.49	27.341	7.52	3.1	6.4
3/16/04 8:30	21.56	58.668	6.97	27.364	7.52	3.3	6.4
3/16/04 9:00	21.89	61.558	6.57	27.288	7.51	3.2	6.4
3/16/04 9:30	22.15	62.078	6.54	27.254	7.51	3.2	6.3
3/16/04 10:00	21.87	59.553	6.61	27.289	7.51	3.2	6.3
3/16/04 10:30	21.92	62.311	6.58	27.249	7.52	3.3	6.3
3/16/04 11:00	22.32	62.757	6.41	27.25	7.52	3.4	6.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/16/04 11:30	21.79	62.17	6.63	27.262	7.53	3	6.2
3/16/04 12:00	22.01	58.797	6.58	27.338	7.54	2.9	6.2
3/16/04 12:30	22.37	62.003	6.42	27.319	7.53	4.5	6.4
3/16/04 13:00	21.62	59.427	6.71	27.386	7.53	8	6.3
3/16/04 13:30	22.41	62.561	6.47	27.405	7.53	17.6	6.3
3/16/04 14:00	21.58	58.644	6.73	27.526	7.53	16.9	6.4
3/16/04 14:30	21.65	59.956	6.73	27.541	7.52	11.3	6.4
3/16/04 15:00	21.78	60.886	6.61	27.573	7.52	47.9	6.4
3/16/04 15:30	22.2	62.328	6.56	27.629	7.52	17.7	6.4
3/16/04 16:00	21.46	61.745	6.89	27.673	7.52	59.9	6.5
3/16/04 16:30	22.19	62.294	6.41	27.724	7.52	33.3	6.4
3/16/04 17:00	22.04	61.064	6.55	27.784	7.52	81.5	6.5
3/16/04 17:30	22.4	61.983	6.55	27.835	7.53	41.1	6.4
3/16/04 18:00	22.34	60.198	6.44	27.854	7.53	32.1	6.4
3/16/04 18:30	21.71	60.391	6.57	27.883	7.53	53.1	6.5
3/16/04 19:00	21.72	58.58	6.55	27.921	7.53	43.1	6.4
3/16/04 19:30	22.49	61.248	6.52	27.893	7.53	40.6	6.4
3/16/04 20:00	22.52	61.898	6.41	27.907	7.53	30.2	6.4
3/16/04 20:30	21.68	59.973	6.58	27.922	7.53	35	6.4
3/16/04 21:00	21.66	59.062	6.71	27.946	7.53	39.9	6.4
3/16/04 21:30	22.38	59.989	6.53	27.926	7.53	53.4	6.4
3/16/04 22:00	22.48	89.231	5.64	27.449	7.53	41.5	6.5
3/16/04 22:30	22.48	89.583	5.71	27.436	7.53	29.7	6.4
3/16/04 23:00	21.84	90.655	5.67	27.419	7.53	20.4	6.5
3/16/04 23:30	22.28	89.525	5.73	27.415	7.53	12.2	6.4
3/17/04 0:00	22.24	88.482	5.65	27.45	7.53	6.7	6.4
3/17/04 0:30	22.49	89.138	5.66	27.427	7.53	3.4	6.4
3/17/04 1:00	21.99	90.001	5.74	27.377	7.53	3.2	6.5
3/17/04 1:30	22.06	90.031	5.75	27.389	7.53	3	6.4
3/17/04 2:00	21.94	90.262	5.73	27.358	7.53	2.9	6.4
3/17/04 2:30	21.83	89.781	5.84	27.34	7.54	3.2	6.4
3/17/04 3:00	22.02	89.439	5.65	27.345	7.54	2.8	6.4
3/17/04 3:30	22.38	88.784	5.68	27.342	7.54	3.3	6.4
3/17/04 4:00	22.25	92.02	5.69	27.269	7.54	2.9	6.4
3/17/04 4:30	21.92	92.712	5.67	27.231	7.54	3.4	6.3
3/17/04 5:00	21.86	93.008	5.69	27.201	7.54	3.3	6.3
3/17/04 5:30	22.18	92.334	5.58	27.192	7.54	2.9	6.4
3/17/04 6:00	22.42	92.337	5.49	27.143	7.54	3.3	6.4
3/17/04 6:30	22.24	92.052	5.64	27.101	7.54	3	6.4
3/17/04 7:00	22.41	91.937	5.51	27.083	7.54	3.4	6.4
3/17/04 7:30	22.34	92.384	5.63	27.029	7.54	3	6.4
3/17/04 8:00	21.82	93.25	5.66	26.971	7.54	3	6.3
3/17/04 8:30	22.19	92.046	5.6	26.973	7.54	3.1	6.3
3/17/04 9:00	21.61	93.176	5.69	26.899	7.54	3.1	6.3
3/17/04 9:30	21.52	94.884	5.6	26.831	7.54	3.2	6.4
3/17/04 10:00	21.52	94.039	5.76	26.833	7.54	3.4	6.4
3/17/04 10:30	21.98	93.233	5.03	26.833	7.54	3.1	6.3
3/17/04 11:00	22.01	92.587	5.69	26.84	7.54	3.4	6.4
3/17/04 11:30	21.68	93.289	5.7	26.814	7.54	3.4	6.3
3/17/04 12:00	21.88	92.407	5.68	26.843	7.53	3.2	6.3
3/17/04 12:30	22.1	93.175	5.66	26.834	7.53	4.6	6.3
3/17/04 13:00	21.75	93.556	5.65	26.846	7.53	10.5	6.3
3/17/04 13:30	22.05	93.438	5.61	26.858	7.52	19	6.5
3/17/04 14:00	22.01	94.155	5.6	26.883	7.52	29.4	6.4
3/17/04 14:30	22.34	93.221	5.51	26.947	7.53	40.2	6.3
3/17/04 15:00	22.34	93.259	5.59	26.989	7.53	52.5	6.5
3/17/04 15:30	21.84	92.732	5.63	27.036	7.53	63.4	6.4
3/17/04 16:00	22.33	93.336	5.53	27.074	7.53	72.2	6.4
3/17/04 16:30	21.75	94.166	5.59	27.118	7.53	79.6	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/17/04 17:00	22.08	94.176	5.57	27.167	7.53	88.6	6.4
3/17/04 17:30	21.8	94	5.61	27.206	7.53	92.6	6.4
3/17/04 18:00	22.47	92.984	5.56	27.253	7.53	95.6	6.4
3/17/04 18:30	22.41	94.072	5.49	27.274	7.53	95	6.4
3/17/04 19:00	22.07	94.37	5.58	27.294	7.53	93.9	6.4
3/17/04 19:30	21.71	94.95	5.62	27.293	7.53	96.3	6.4
3/17/04 20:00	21.39	93.405	5.76	27.321	7.54	91.3	6.5
3/17/04 20:30	22.63	92.559	5.51	27.371	7.54	81.6	6.4
3/17/04 21:00	21.82	94.458	5.51	27.323	7.54	71.7	6.4
3/17/04 21:30	22.63	93.442	5.52	27.334	7.54	59.8	6.4
3/17/04 22:00	22.59	93.089	5.51	27.34	7.54	47.2	6.5
3/17/04 22:30	22.06	93.633	5.47	27.326	7.54	35.6	6.4
3/17/04 23:00	22.16	93.543	5.56	27.314	7.54	24.2	6.4
3/17/04 23:30	22.71	93.472	5.61	27.329	7.54	15	6.4
3/18/04 0:00	22.5	93.675	5.46	27.308	7.54	7.5	6.4
3/18/04 0:30	21.88	95.489	5.53	27.287	7.54	3.7	6.4
3/18/04 1:00	22.58	93.411	5.53	27.307	7.53	3.2	6.4
3/18/04 1:30	22.31	94.48	5.52	27.271	7.53	3.4	6.4
3/18/04 2:00	21.81	95.866	5.56	27.254	7.53	3.1	6.3
3/18/04 2:30	22.1	95.603	5.57	27.281	7.53	3.4	6.3
3/18/04 3:00	21.73	96.44	5.56	27.242	7.53	3.4	6.3
3/18/04 3:30	22.8	93.678	5.48	27.317	7.53	3.4	6.4
3/18/04 4:00	21.64	96.715	5.58	27.244	7.53	3.4	6.4
3/18/04 4:30	22.78	94.126	5.48	27.266	7.53	3.2	6.4
3/18/04 5:00	21.99	94.872	5.57	27.231	7.54	3.2	6.3
3/18/04 5:30	21.62	95.57	5.58	27.205	7.53	3.4	6.2
3/18/04 6:00	22.57	93.864	5.52	27.234	7.53	3.4	6.2
3/18/04 6:30	22.54	94.604	5.48	27.181	7.53	2.9	6.3
3/18/04 7:00	22.46	92.502	5.62	27.192	7.53	3.5	6.3
3/18/04 7:30	21.41	94.782	5.74	27.103	7.53	3.3	6.4
3/18/04 8:00	22.48	92.063	5.59	27.118	7.53	2.9	6.3
3/18/04 8:30	22.41	91.978	5.7	27.107	7.53	3.4	6.3
3/18/04 9:00	21.94	92.794	5.69	27.038	7.53	3.5	6.3
3/18/04 9:30	22.58	92.059	5.63	27.012	7.53	3	6.3
3/18/04 10:00	21.31	94.23	5.77	26.937	7.53	3.2	6.3
3/18/04 10:30	22.27	94.147	5.64	26.921	7.53	2.9	6.2
3/18/04 11:00	22.18	94.447	5.49	26.884	7.52	3	6.3
3/18/04 11:30	21.96	94.559	5.64	26.864	7.52	3.2	6.3
3/18/04 12:00	20.96	96.527	5.79	26.812	7.52	3	6.3
3/18/04 12:30	21.61	95.012	5.71	26.847	7.52	4.5	6.3
3/18/04 13:00	20.97	96.88	5.76	26.805	7.52	9.7	6.3
3/18/04 13:30	22.16	94.079	5.66	26.876	7.51	19.5	6.4
3/18/04 14:00	22.1	94.977	5.63	26.905	7.51	34.2	6.4
3/18/04 14:30	21.7	95.447	5.7	26.904	7.51	46.6	6.4
3/18/04 15:00	22.33	94.024	5.65	26.967	7.51	58.7	6.4
3/18/04 15:30	21.48	96.068	5.58	26.971	7.51	73.8	6.4
3/18/04 16:00	21.13	96.849	5.71	26.989	7.51	84.5	6.4
3/18/04 16:30	21.51	95.937	5.72	27.047	7.51	95.9	6.4
3/18/04 17:00	22.32	94.57	5.47	27.109	7.51	100	6.4
3/18/04 17:30	22.42	94.422	5.62	27.169	7.52	106.4	6.4
3/18/04 18:00	21.59	95.709	5.68	27.186	7.53	108.9	6.4
3/18/04 18:30	21.89	96.511	5.55	27.203	7.53	110.2	6.4
3/18/04 19:00	21.57	96.803	5.56	27.221	7.53	108.9	6.4
3/18/04 19:30	21.53	97.035	5.56	27.247	7.53	102.7	6.4
3/18/04 20:00	21.41	97.239	5.56	27.253	7.53	95.9	6.4
3/18/04 20:30	21.32	97.03	5.63	27.269	7.54	88.1	6.4
3/18/04 21:00	22.55	93.716	5.56	27.333	7.53	76.1	6.4
3/18/04 21:30	21.26	96.93	5.59	27.287	7.54	61.6	6.4
3/18/04 22:00	21.33	96.666	5.66	27.283	7.54	52.3	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/18/04 22:30	22.74	94.811	5.5	27.323	7.53	39.1	6.5
3/18/04 23:00	22.62	95.191	5.43	27.318	7.54	26.5	6.4
3/18/04 23:30	21.51	95.647	5.61	27.297	7.54	15.7	6.4
3/19/04 0:00	22.22	94.917	5.53	27.31	7.54	7.5	6.4
3/19/04 0:30	22.65	94.898	5.54	27.31	7.54	3.3	6.4
3/19/04 1:00	21.52	98.447	5.54	27.224	7.53	3.4	6.4
3/19/04 1:30	22.31	95.848	5.44	27.287	7.53	3	6.4
3/19/04 2:00	21.74	96.399	5.61	27.26	7.53	3.1	6.4
3/19/04 2:30	21.79	96.706	5.46	27.257	7.53	3.4	6.3
3/19/04 3:00	22.12	96.852	5.47	27.261	7.53	3.1	6.4
3/19/04 3:30	21.85	94.931	5.6	27.285	7.53	2.8	6.4
3/19/04 4:00	22.73	93.914	5.53	27.32	7.53	3	6.3
3/19/04 4:30	21.1	96.147	5.76	27.271	7.53	3	6.2
3/19/04 5:00	22.25	94.842	5.59	27.302	7.53	3.4	6.3
3/19/04 5:30	22.8	93.233	5.46	27.323	7.53	3.3	6.3
3/19/04 6:00	21.1	96.71	5.76	27.245	7.53	3.1	6.3
3/19/04 6:30	20.95	97.481	5.78	27.221	7.53	3.2	6.4
3/19/04 7:00	19.84	91.47	6.02	27.301	7.53	3.4	6.2
3/19/04 7:30	22.32	87.497	5.83	27.359	7.53	3.2	6.3
3/19/04 8:00	20.16	93.175	6.02	27.221	7.53	3.4	6.3
3/19/04 8:30	19.73	86.238	6.23	27.299	7.53	3.3	6.2
3/19/04 9:00	21.7	92.274	5.64	27.186	7.53	3.2	6.4
3/19/04 9:30	20.29	94.17	5.92	27.106	7.53	3.7	6.4
3/19/04 10:00	23.03	89.392	5.68	27.176	7.53	3.4	6.5
3/19/04 10:30	22.28	90.776	5.7	27.125	7.53	3.3	6.4
3/19/04 11:00	20.31	94.442	5.94	27.017	7.53	3.2	6.3
3/19/04 11:30	22.97	89.678	5.54	27.08	7.53	3.3	6.4
3/19/04 12:00	21.04	86.84	6.06	27.1	7.53	3.3	6.2
3/19/04 12:30	19.7	89.004	6.22	27.04	7.53	4.6	6.3
3/19/04 13:00	21.6	86.414	5.87	27.083	7.52	11	6.3
3/19/04 13:30	23.15	93.673	5.24	26.976	7.53	21.3	6.4
3/19/04 14:00	22.74	95.016	5.55	26.956	7.53	35.8	6.4
3/19/04 14:30	21.01	98.361	5.68	26.897	7.53	49.7	6.3
3/19/04 15:00	22.3	95.093	5.53	26.978	7.53	61.2	6.5
3/19/04 15:30	21.68	96.777	5.38	26.961	7.53	77.1	6.4
3/19/04 16:00	21.05	97.928	5.66	26.968	7.53	89.1	6.5
3/19/04 16:30	21.26	97.406	5.66	27.019	7.53	79.5	6.4
3/19/04 17:00	20.91	98.773	5.75	27.013	7.53	89.9	6.4
3/19/04 17:30	23.36	94.209	5.44	27.148	7.53	108.5	6.5
3/19/04 18:00	23.57	93.265	5.42	27.196	7.53	113.4	6.5
3/19/04 18:30	21.47	97.583	5.6	27.131	7.53	112.2	6.4
3/19/04 19:00	21.87	97.764	5.49	27.155	7.53	110.9	6.3
3/19/04 19:30	21.37	97.516	5.6	27.184	7.53	102	6.4
3/19/04 20:00	22.8	94.579	5.51	27.254	7.53	100.5	6.4
3/19/04 20:30	21.64	96.802	5.54	27.212	7.54	92.8	6.4
3/19/04 21:00	21.59	94.489	5.67	27.262	7.54	80.2	6.3
3/19/04 21:30	22.83	93.31	5.49	27.299	7.54	68.5	6.4
3/19/04 22:00	22.42	94.327	5.53	27.28	7.54	23.4	6.4
3/19/04 22:30	21.69	96.172	5.59	27.237	7.54	40.7	6.4
3/19/04 23:00	21.79	95.64	5.52	27.245	7.54	27.8	6.4
3/19/04 23:30	22.03	93.364	5.62	27.285	7.54	17.1	6.4
3/20/04 0:00	22.79	91.519	5.47	27.315	7.53	8.2	6.4
3/20/04 0:30	22.23	94.77	5.5	27.259	7.53	3.5	6.4
3/20/04 1:00	23.21	90.785	5.52	27.329	7.52	3.1	6.4
3/20/04 1:30	23.1	91.109	5.56	27.329	7.53	3.3	6.4
3/20/04 2:00	23.23	91.328	5.45	27.331	7.52	3.1	6.4
3/20/04 2:30	23.27	91.287	5.55	27.332	7.51	3.2	6.4
3/20/04 3:00	21.51	94.213	5.63	27.282	7.51	3.4	6.2
3/20/04 3:30	23.1	91.43	5.55	27.354	7.52	3.2	6.3

Appendix 5
Water Quality Data

Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
3/20/04 4:00	21.41	93.517	5.75	27.309	7.52	2.9	6.4
3/20/04 4:30	22.46	91.432	5.59	27.364	7.52	3.2	6.3
3/20/04 5:00	21.16	79.344	6.21	27.573	7.53	3.1	6.3
3/20/04 5:30	21.51	86.103	5.91	27.478	7.52	3.2	6.3
3/20/04 6:00	21.19	87.77	5.93	27.454	7.52	3.3	6.3
3/20/04 6:30	21.26	88.498	5.88	27.446	7.51	3.1	6.2
3/20/04 7:00	21.53	90.603	5.78	27.417	7.51	3.6	6.2
3/20/04 7:30	23.27	91.987	5.47	27.398	7.51	3.1	6.2
3/20/04 8:00	21.59	84.762	5.97	27.5	7.51	3.1	6.3
3/20/04 8:30	22.94	83.955	5.78	27.51	7.51	3.2	6.2
3/20/04 9:00	21.45	87.981	5.81	27.407	7.52	3.1	6.2
3/20/04 9:30	23.09	87.407	5.61	27.413	7.51	3.2	6.2
3/20/04 10:00	22.53	87.797	5.71	27.369	7.51	3.1	6.3
3/20/04 10:30	22.35	89.207	5.69	27.313	7.52	3.3	6.2
3/20/04 11:00	22.95	88.965	5.63	27.296	7.51	3.7	6.2
3/20/04 11:30	21.91	89.826	5.84	27.25	7.51	3.4	6.2
3/20/04 12:00	22	90.707	5.63	27.205	7.51	3.2	6.3
3/20/04 12:30	21.21	91.535	5.81	27.161	7.51	5.2	6.2
3/20/04 13:00	20.93	92.287	5.79	27.146	7.51	12.3	6.2
3/20/04 13:30	21.59	91.483	5.78	27.143	7.51	17.7	6.3
3/20/04 14:00	21.35	92.424	5.81	27.104	7.51	32.6	6.3
3/20/04 14:30	22.92	89.908	5.62	27.165	7.51	50.8	6.4
3/20/04 15:00	21.48	91.756	5.76	27.143	7.51	65.3	6.4
3/20/04 15:30	21.21	93.174	5.79	27.114	7.52	80.6	6.3
3/20/04 16:00	22.92	90.437	5.56	27.177	7.51	83.9	6.4
3/20/04 16:30	22.95	90.209	5.64	27.201	7.51	100.9	7.3
3/20/04 17:00	21.82	90.646	5.8	27.194	7.52	110.5	6.4
3/20/04 17:30	21.25	93.615	5.75	27.168	7.52	111.1	6.4
3/20/04 18:00	21.5	92.11	5.77	27.213	7.52	117.7	6.4
3/20/04 18:30	22.63	91.671	5.58	27.229	7.53	120.1	6.4
3/20/04 19:00	21.57	93.679	5.52	27.222	7.53	116.6	6.4
3/20/04 19:30	21.66	93.683	5.51	27.232	7.53	119.9	6.4
3/20/04 20:00	23.29	90.98	5.38	27.299	7.53	70.3	6.4
3/20/04 20:30	22.7	92.153	5.44	27.281	7.53	69.2	6.4
3/20/04 21:00	22.13	92.928	5.65	27.26	7.53	80	6.4
3/20/04 21:30	21.19	93.327	5.7	27.246	7.53	72.7	6.4
3/20/04 22:00	23.14	91.666	5.5	27.277	7.53	57.7	6.4
3/20/04 22:30	21.45	91.516	5.78	27.247	7.53	41.7	6.4
3/20/04 23:00	21.17	93.187	5.77	27.209	7.53	28.7	6.4
3/20/04 23:30	22.25	93.646	5.54	27.203	7.52	17.1	6.4
3/21/04 0:00	21.12	93.626	5.77	27.172	7.52	8.7	6.3
3/21/04 0:30	21.54	92.658	5.79	27.178	7.52	3.6	6.3
3/21/04 1:00	21.6	92.872	5.65	27.176	7.52	3.3	6.4
3/21/04 1:30	21.89	91.237	5.66	27.208	7.52	3.1	6.3
3/21/04 2:00	22.9	90.827	5.63	27.216	7.51	3.3	6.4
3/21/04 2:30	22.95	91.722	5.53	27.199	7.5	3.5	6.3
3/21/04 3:00	21.4	94.052	5.71	27.142	7.52	3.1	6.3
3/21/04 3:30	21.16	92.38	5.75	27.188	7.52	2.9	6.3
3/21/04 4:00	21.89	91.77	5.65	27.206	7.51	3.4	6.4
3/21/04 4:30	23.01	92.327	5.5	27.229	7.51	3.2	6.2
3/21/04 5:00	21.54	93.454	5.71	27.211	7.52	2.8	6.3
3/21/04 5:30	21.37	94.364	5.71	27.208	7.51	3	6.2
3/21/04 6:00	22.89	91.038	5.56	27.301	7.51	3.7	6.3
3/21/04 6:30	21.17	93.501	5.86	27.264	7.51	3.2	6.2
3/21/04 7:00	22.54	89.436	5.71	27.356	7.5	3.1	6.2
3/21/04 7:30	21.2	92.021	5.79	27.289	7.51	3.5	6.2
3/21/04 8:00	21.13	93.476	5.82	27.279	7.5	3.1	6.1
3/21/04 8:30	21.15	92.92	5.88	27.292	7.5	3	6.2
3/21/04 9:00	21.99	94.425	5.57	27.272	7.49	2.9	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/21/04 9:30	22.75	92.154	5.58	27.3	7.49	3.2	6.2
3/21/04 10:00	23.02	92.488	5.5	27.302	7.5	3.2	6.2
3/21/04 10:30	22.85	92.87	5.52	27.27	7.5	2.7	6.2
3/21/04 11:00	21.04	92.804	5.85	27.246	7.51	3.3	6.2
3/21/04 11:30	22.97	93.141	5.49	27.222	7.5	2.9	6.3
3/21/04 12:00	21.91	93.614	5.65	27.202	7.5	3.2	6.3
3/21/04 12:30	21.47	94.188	5.72	27.155	7.5	5.5	6.2
3/21/04 13:00	21.44	93.339	5.75	27.161	7.51	12.1	6.3
3/21/04 13:30	22.94	93.88	5.44	27.14	7.5	27.3	6.4
3/21/04 14:00	22.84	94.502	5.51	27.138	7.51	39	6.3
3/21/04 14:30	22.61	91.932	5.62	27.195	7.51	46.3	6.3
3/21/04 15:00	22.94	94.214	5.41	27.119	7.51	33.5	6.4
3/21/04 15:30	22.62	89.797	5.69	27.152	7.51	80.7	6.3
3/21/04 16:00	22.23	91.565	5.66	27.15	7.51	91.2	6.4
3/21/04 16:30	21.11	94.807	5.83	27.106	7.51	100.9	6.3
3/21/04 17:00	21.4	101.333	5.32	26.989	7.52	108	6.5
3/21/04 17:30	22.96	93.288	5.41	27.16	7.52	117.6	6.4
3/21/04 18:00	21.43	93.666	5.81	27.191	7.52	126.8	6.4
3/21/04 18:30	23.04	98.029	5.34	27.119	7.52	128	6.4
3/21/04 19:00	21.98	93.62	5.65	27.183	7.53	113	6.4
3/21/04 19:30	22.83	95.707	5.43	27.167	7.53	114	6.4
3/21/04 20:00	21.88	100.534	5.52	27.083	7.53	101	6.3
3/21/04 20:30	23.08	98.283	5.26	27.155	7.53	46.5	6.4
3/21/04 21:00	21.82	100.533	5.43	27.1	7.53	36.5	6.4
3/21/04 21:30	23.36	97.55	5.29	27.181	7.53	73.9	6.4
3/21/04 22:00	22.92	99.383	5.17	27.126	7.53	58.3	6.3
3/21/04 22:30	22.43	100.435	5.3	27.091	7.53	41.7	6.4
3/21/04 23:00	23.2	98.822	5.37	27.104	7.53	27.9	6.4
3/21/04 23:30	22.75	99.642	5.26	27.071	7.53	16.5	6.4
3/22/04 0:00	23.18	97.695	5.39	27.083	7.53	8.5	6.4
3/22/04 0:30	22.01	100.807	5.37	27.021	7.53	3.4	6.4
3/22/04 1:00	23.2	97.495	5.29	27.046	7.53	2.9	6.4
3/22/04 1:30	23	98.302	5.3	27.045	7.52	2.8	6.3
3/22/04 2:00	23.23	97.848	5.36	27.066	7.51	3.1	6.3
3/22/04 2:30	21.89	100.507	5.46	27	7.51	3.3	6.2
3/22/04 3:00	22.64	99.389	5.37	27.015	7.51	3.2	6.3
3/22/04 3:30	23.19	98.636	5.34	27.044	7.51	3.2	6.2
3/22/04 4:00	21.73	101.53	5.46	26.99	7.51	3	6.3
3/22/04 4:30	23.17	98.773	5.34	27.062	7.51	2.9	6.2
3/22/04 5:00	23.23	98.396	5.35	27.105	7.51	3.1	6.3
3/22/04 5:30	21.75	101.449	5.48	27.059	7.51	3.3	6.2
3/22/04 6:00	22.95	99.031	5.28	27.129	7.51	3	6.2
3/22/04 6:30	21.76	101.33	5.44	27.109	7.51	3.2	6.2
3/22/04 7:00	22.28	100.062	5.42	27.179	7.51	3.5	6.3
3/22/04 7:30	22.09	100.709	5.48	27.158	7.51	3.3	6.2
3/22/04 8:00	21.8	101.216	5.4	27.174	7.5	3.4	6.2
3/22/04 8:30	21.77	101.285	5.39	27.18	7.5	3.3	6.2
3/22/04 9:00	21.92	101.132	5.41	27.204	7.5	3.4	6.2
3/22/04 9:30	22.29	100.267	5.37	27.223	7.5	3.3	6.2
3/22/04 10:00	23.1	98.909	5.2	27.285	7.5	3	6.2
3/22/04 10:30	22.79	99.478	5.4	27.255	7.51	3.3	6.2
3/22/04 11:00	21.95	101.148	5.44	27.133	7.51	3.1	6.2
3/22/04 11:30	21.8	101.732	5.41	27.177	7.51	3.4	6.2
3/22/04 12:00	21.71	101.855	5.5	27.076	7.51	3.3	6.2
3/22/04 12:30	22.91	99.457	5.36	27.18	7.51	5.5	6.2
3/22/04 13:00	23.05	99.039	5.22	27.178	7.51	12.9	6.3
3/22/04 13:30	21.75	101.687	5.47	27.112	7.51	24.5	6.3
3/22/04 14:00	21.84	101.563	5.43	27.126	7.51	38.3	6.4
3/22/04 14:30	21.87	101.168	5.43	27.104	7.51	52.2	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/22/04 15:00	21.84	101.523	5.5	27.031	7.51	66.2	6.4
3/22/04 15:30	21.77	101.826	5.43	27.067	7.51	80.7	6.4
3/22/04 16:00	22.42	100.522	5.32	27.06	7.51	90.5	6.3
3/22/04 16:30	21.78	96.299	5.64	27.171	7.51	104.9	6.4
3/22/04 17:00	23.01	95.321	5.46	27.157	7.52	66.8	6.4
3/22/04 17:30	21.74	101.559	5.48	27.052	7.52	51.4	6.3
3/22/04 18:00	21.77	102.15	5.41	27.039	7.52	125.6	6.4
3/22/04 18:30	22.49	97.43	5.51	27.145	7.52	116.5	6.4
3/22/04 19:00	23.12	96.665	5.44	27.155	7.52	123	6.3
3/22/04 19:30	22.83	100.036	5.29	27.086	7.52	104.9	6.4
3/22/04 20:00	21.69	96.262	5.62	27.184	7.52	38.5	6.4
3/22/04 20:30	23.08	96.603	5.43	27.172	7.52	85.7	6.4
3/22/04 21:00	22.52	97.784	5.4	27.081	7.52	36.5	6.8
3/22/04 21:30	22.28	96.993	5.46	27.113	7.52	36.2	6.4
3/22/04 22:00	22.64	100.365	5.34	27.067	7.53	60.2	6.4
3/22/04 22:30	21.74	102.218	5.42	26.975	7.52	24.7	6.4
3/22/04 23:00	23.07	97.036	5.37	27.107	7.52	29.9	6.4
3/22/04 23:30	21.36	99.805	5.47	27.005	7.52	14.4	6.4
3/23/04 0:00	22.23	100.195	5.37	26.996	7.52	7.8	6.4
3/23/04 0:30	23.01	99.524	5.22	26.997	7.52	3.5	6.4
3/23/04 1:00	21.76	101.121	5.32	26.927	7.53	3	6.3
3/23/04 1:30	21.74	101.975	5.35	26.909	7.53	3.2	6.4
3/23/04 2:00	21.91	98.345	5.31	27.02	7.53	3.6	6.3
3/23/04 2:30	22.75	97.168	5.38	27.024	7.53	3	6.3
3/23/04 3:00	22.02	100.563	5.26	26.926	7.52	3.2	6.3
3/23/04 3:30	21.45	97.913	5.49	26.96	7.52	3.3	6.3
3/23/04 4:00	21.44	98.428	5.51	26.996	7.52	3.1	6.2
3/23/04 4:30	22.69	98.107	5.35	27.049	7.52	3.1	6.2
3/23/04 5:00	22.77	97.404	5.36	27.083	7.52	2.9	6.2
3/23/04 5:30	22.74	98.017	5.13	27.087	7.52	3.1	6.2
3/23/04 6:00	21.63	98.398	5.52	27.039	7.53	3.2	6.2
3/23/04 6:30	22.85	98.021	5.38	27.138	7.52	3.3	6.2
3/23/04 7:00	22.85	98.018	5.34	27.182	7.52	3.1	6.2
3/23/04 7:30	22.14	98.468	5.36	27.168	7.52	3.3	6.2
3/23/04 8:00	22.83	98.154	5.33	27.244	7.52	3	6.3
3/23/04 8:30	22.84	98.242	4.96	27.227	7.52	3.1	6.2
3/23/04 9:00	22.65	97.05	5.43	27.271	7.52	3.1	6.2
3/23/04 9:30	21.44	98.554	5.62	27.27	7.53	2.9	6.2
3/23/04 10:00	21.66	98.349	5.5	27.285	7.52	3	6.2
3/23/04 10:30	22.37	97.807	5.48	27.316	7.52	3.1	6.2
3/23/04 11:00	21.77	99.16	5.52	27.356	7.52	3.1	6.2
3/23/04 11:30	22.79	97.392	5.36	27.366	7.52	3.3	6.2
3/23/04 12:00	21.75	98.179	5.41	27.337	7.53	3.1	6.2
3/23/04 12:30	22.73	97.375	5.41	27.36	7.52	5.1	6.2
3/23/04 13:00	21.5	98.966	5.55	27.317	7.52	11.7	6.2
3/23/04 13:30	21.46	98.094	5.51	27.344	7.52	16.8	6.3
3/23/04 14:00	21.7	98.967	5.57	27.307	7.52	28.6	6.4
3/23/04 14:30	22.53	96.592	4.98	27.322	7.52	52.6	6.4
3/23/04 15:00	21.29	99.52	5.52	27.28	7.53	71.6	6.4
3/23/04 15:30	21.72	98.658	5.48	27.267	7.52	54.5	6.4
3/23/04 16:00	21.51	98.31	5.53	27.287	7.53	102.4	6.4
3/23/04 16:30	21.38	99.278	5.44	27.285	7.53	59.3	6.4
3/23/04 17:00	21.36	100.246	5.57	27.221	7.53	118	6.4
3/23/04 17:30	22.76	97.465	5.41	27.278	7.53	111.9	6.3
3/23/04 18:00	21.41	99.097	5.54	27.246	7.53	51.4	6.4
3/23/04 18:30	21.96	99.537	5.48	27.219	7.53	137.3	6.3
3/23/04 19:00	22.7	97.743	5.29	27.255	7.53	65.4	6.4
3/23/04 19:30	21.29	100.128	5.06	27.219	7.53	126.5	6.3
3/23/04 20:00	21.35	99.407	5.53	27.199	7.53	112.3	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/23/04 20:30	22.79	98.399	5.38	27.216	7.53	90	6.4
3/23/04 21:00	21.37	100.571	5.4	27.164	7.53	94.2	6.4
3/23/04 21:30	22.35	98.21	5.22	27.162	7.53	42.6	6.4
3/23/04 22:00	22.53	96.914	5.39	27.202	7.53	54.5	6.4
3/23/04 22:30	22.46	99	5.41	27.124	7.53	43.1	6.4
3/23/04 23:00	22.57	97.026	5.4	27.148	7.53	15.5	6.4
3/23/04 23:30	22.61	98.152	5.34	27.123	7.53	15.5	6.4
3/24/04 0:00	21.98	99.832	5.42	27.034	7.53	7.8	6.4
3/24/04 0:30	22.77	98.68	5.34	27.022	7.53	3.3	6.3
3/24/04 1:00	21.37	100.011	5.51	26.976	7.53	3.1	6.3
3/24/04 1:30	21.38	99.861	5.41	26.921	7.53	3.3	6.2
3/24/04 2:00	21.53	100.267	5.35	26.944	7.53	3.4	6.2
3/24/04 2:30	21.43	99.868	5.54	26.939	7.53	2.9	6.3
3/24/04 3:00	22.82	96.764	4.85	27.008	7.53	3.1	6.3
3/24/04 3:30	22.2	98.644	5.48	26.968	7.53	3.1	6.3
3/24/04 4:00	21.73	99.468	5.53	26.92	7.52	3.1	6.2
3/24/04 4:30	21.8	98.392	5.49	26.933	7.53	3.2	6.3
3/24/04 5:00	22.12	98.533	5.42	26.946	7.52	3.4	6.2
3/24/04 5:30	22.45	97.8	5.26	26.977	7.53	3.3	6.3
3/24/04 6:00	22.3	98.182	5.35	27.006	7.53	3.6	6.2
3/24/04 6:30	21.52	99.503	5.43	26.963	7.53	3.3	6.2
3/24/04 7:00	21.78	100.028	5.22	26.993	7.53	3.5	6.2
3/24/04 7:30	21.66	99.722	5.54	27.043	7.53	3.2	6.2
3/24/04 8:00	21.31	99.573	5.3	27.051	7.53	3.1	6.2
3/24/04 8:30	22.78	97.176	4.85	27.175	7.52	3	6.2
3/24/04 9:00	21.54	98.772	5.52	27.128	7.53	3.2	6.2
3/24/04 9:30	21.52	99.208	4.83	27.147	7.53	3.4	6.2
3/24/04 10:00	22.71	96.692	5.32	27.236	7.52	2.9	6.2
3/24/04 10:30	21.38	99.58	5.13	27.189	7.53	3.2	6.2
3/24/04 11:00	22.46	97.454	4.62	27.277	7.52	3	6.2
3/24/04 11:30	21.67	98.292	5.46	27.252	7.52	3.2	6.2
3/24/04 12:00	22.73	96.789	5.39	27.328	7.52	3.3	6.2
3/24/04 12:30	21.57	99.807	5.48	27.245	7.52	5.1	6.2
3/24/04 13:00	21.48	99.414	5.41	27.273	7.53	10.5	6.3
3/24/04 13:30	21.61	98.9	5.5	27.292	7.52	23.3	6.3
3/24/04 14:00	21.73	99.184	5.25	27.29	7.52	20.6	6.4
3/24/04 14:30	21.4	100.211	5.45	27.273	7.53	47.8	6.4
3/24/04 15:00	21.36	100.122	5.52	27.208	7.53	60.4	6.4
3/24/04 15:30	21.68	98.8	5.57	27.256	7.53	71.6	6.3
3/24/04 16:00	21.33	99.885	5.44	27.251	7.53	83.6	6.4
3/24/04 16:30	21.51	99.25	5.51	27.255	7.53	92	6.4
3/24/04 17:00	21.34	99.909	5.5	27.243	7.53	100.3	6.3
3/24/04 17:30	22.1	98.882	4.92	27.256	7.53	102.8	6.4
3/24/04 18:00	21.92	99.353	5.51	27.217	7.53	107.6	6.4
3/24/04 18:30	22.54	98.252	5.38	27.248	7.53	106.5	6.4
3/24/04 19:00	22.63	97.749	5.24	27.264	7.53	101.7	6.4
3/24/04 19:30	21.45	99.908	5.28	27.137	7.54	101.1	6.4
3/24/04 20:00	21.54	100.385	5.47	27.178	7.53	55.4	7.5
3/24/04 20:30	21.56	99.607	5.45	27.118	7.54	86.1	6.4
3/24/04 21:00	22.69	97.877	5.34	27.198	7.54	74.8	6.4
3/24/04 21:30	22.64	97.562	5.4	27.199	7.54	61.5	6.4
3/24/04 22:00	21.52	99.822	5.36	27.046	7.53	33.3	6.4
3/24/04 22:30	22.08	98.854	5.47	27.128	7.53	18.2	6.4
3/24/04 23:00	22.08	98.943	5.47	27.064	7.53	18.1	6.4
3/24/04 23:30	22.44	97.943	5.27	27.075	7.53	13.6	6.4
3/25/04 0:00	22.02	98.735	5.45	27.021	7.53	6.4	6.4
3/25/04 0:30	22.5	97.891	5.42	26.999	7.53	3.6	6.4
3/25/04 1:00	21.59	100.338	5.53	26.94	7.53	3	6.4
3/25/04 1:30	22.52	98.338	5.04	26.958	7.53	3	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/25/04 2:00	21.24	100.745	5.24	26.865	7.53	3.1	6.3
3/25/04 2:30	22.47	98.474	5.39	26.963	7.52	3.5	6.4
3/25/04 3:00	21.24	100.588	5.55	26.859	7.52	3.3	6.3
3/25/04 3:30	21.66	99.142	5.54	26.89	7.52	3.2	6.2
3/25/04 4:00	21.69	99.702	5.51	26.84	7.51	3.1	6.2
3/25/04 4:30	21.91	99	5.47	26.873	7.51	3.1	6.3
3/25/04 5:00	21.34	100.213	5.51	26.863	7.51	3.2	6.2
3/25/04 5:30	22.12	98.79	5.21	26.927	7.51	2.7	6.3
3/25/04 6:00	21.64	99.379	5.55	26.914	7.51	3.4	6.2
3/25/04 6:30	21.68	99.444	5.56	26.94	7.51	3.5	6.2
3/25/04 7:00	22.41	98.538	5.39	26.971	7.51	3	6.2
3/25/04 7:30	21.76	99.931	5.43	27.005	7.51	3.4	6.2
3/25/04 8:00	22.42	97.962	5.33	27.066	7.51	3.5	6.3
3/25/04 8:30	22.54	98.181	5.39	27.118	7.51	3.2	6.2
3/25/04 9:00	22.16	99.067	5.5	27.086	7.51	3.7	6.3
3/25/04 9:30	22.45	98.27	5.4	27.17	7.51	3.2	6.2
3/25/04 10:00	21.71	99.424	5.39	27.206	7.51	3.3	6.2
3/25/04 10:30	22.6	97.485	5.43	27.272	7.51	3.4	6.2
3/25/04 11:00	22.38	98.644	5.23	27.28	7.51	3.1	6.2
3/25/04 11:30	22.42	98.992	5.36	27.291	7.51	3.5	6.2
3/25/04 12:00	22.59	98.392	5.39	27.334	7.51	3.5	6.2
3/25/04 12:30	21.83	99.885	5.44	27.313	7.52	5.2	6.3
3/25/04 13:00	22.59	98.555	5.39	27.355	7.51	10.5	6.4
3/25/04 13:30	21.41	100.67	5.46	27.328	7.51	17.9	6.4
3/25/04 14:00	22.07	99.788	5.4	27.414	7.51	25.5	6.4
3/25/04 14:30	21.98	99.632	5.28	27.373	7.51	37.5	6.4
3/25/04 15:00	21.4	100.84	5.39	27.323	7.51	71.4	6.4
3/25/04 15:30	22.35	98.455	5.32	27.413	7.52	72.1	6.4
3/25/04 16:00	21.4	100.318	5.53	27.392	7.52	81.9	6.4
3/25/04 16:30	22.25	99.017	5.44	27.334	7.52	89.5	6.4
3/25/04 17:00	22.62	99.124	5.13	27.389	7.52	100.1	6.4
3/25/04 17:30	21.52	101.181	5.45	27.298	7.53	103.1	6.4
3/25/04 18:00	21.44	101.761	5.46	27.283	7.53	106.4	6.4
3/25/04 18:30	21.74	101.246	5.41	27.241	7.53	81.1	6.4
3/25/04 19:00	21.4	101.207	5.22	27.268	7.53	109.4	6.4
3/25/04 19:30	21.48	101.158	5.45	27.236	7.53	97	6.4
3/25/04 20:00	22.3	99.055	5.39	27.248	7.53	91	6.4
3/25/04 20:30	22.48	99.021	5.31	27.312	7.53	69.2	6.4
3/25/04 21:00	22.58	98.853	5.36	27.179	7.54	69.7	6.4
3/25/04 21:30	21.5	101.194	5.5	27.123	7.53	58.2	6.5
3/25/04 22:00	21.86	100.546	5.37	27.116	7.53	46.5	6.4
3/25/04 22:30	21.37	101.457	5.39	27.083	7.53	34.8	6.4
3/25/04 23:00	22.48	99.139	5.38	27.125	7.53	24.2	6.5
3/25/04 23:30	21.84	100.807	5.39	27.018	7.53	14.6	6.4
3/26/04 0:00	21.38	101.428	5.53	26.958	7.53	8.1	6.4
3/26/04 0:30	22.42	99.058	5.3	27.133	7.52	3.5	6.5
3/26/04 1:00	21.84	100.416	5.27	26.992	7.52	3.2	6.4
3/26/04 1:30	22.08	100.55	5.29	26.943	7.52	3.5	6.4
3/26/04 2:00	21.64	100.86	5.41	26.816	7.53	3.2	6.4
3/26/04 2:30	22.55	99.486	5.34	26.821	7.52	3	6.4
3/26/04 3:00	22.36	98.917	5.35	26.754	7.52	3	6.3
3/26/04 3:30	21.35	101.425	5.38	26.715	7.52	3.2	6.2
3/26/04 4:00	21.81	100.824	5.44	26.805	7.52	3.2	6.4
3/26/04 4:30	21.59	100.616	5.52	26.661	7.52	3.3	6.4
3/26/04 5:00	22.31	99.768	5.4	26.763	7.51	3.5	6.2
3/26/04 5:30	22.43	100.219	5.39	26.818	7.51	3	6.3
3/26/04 6:00	22.2	100.585	5.42	26.785	7.51	3.5	6.2
3/26/04 6:30	22.49	99.696	4.59	26.817	7.51	3.3	6.3
3/26/04 7:00	21.86	100.56	5.43	26.845	7.52	3.4	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/26/04 7:30	22.45	99.711	5.36	26.879	7.52	3.1	6.5
3/26/04 8:00	21.3	101.771	5.45	26.881	7.51	3.2	7.5
3/26/04 8:30	22.41	100.324	-2.54	26.929	7.51	3.2	6.2
3/26/04 9:00	22.49	99.937	1.6	26.99	7.51	3.2	6.3
3/26/04 9:30	22.13	100.886	-2.85	27.032	7.52	3.3	6.2
3/26/04 10:00	22.35	99.502	-2.86	27.063	7.51	3.1	6.2
3/26/04 10:30	22.33	100.25	-2.85	27.083	7.51	3.2	6.2
3/26/04 11:00	22.5	100.166	-2.84	27.094	7.51	2.9	6.6
3/26/04 11:30	22.48	100.28	-2.84	27.13	7.51	3.4	6.3
3/26/04 12:00	21.41	101.999	-2.86	27.078	7.52	3.3	6.5
3/26/04 12:30	22.49	100.125	-2.84	27.218	7.51	5.9	6.2
3/26/04 13:00	22.24	100.672	-2.85	27.259	7.51	12.6	6.2
3/26/04 13:30	22	101.673	-2.84	27.231	7.52	22.2	6.4
3/26/04 14:00	22.43	100.274	-2.84	27.243	7.51	33.2	6.5
3/26/04 14:30	21.95	101.781	-2.84	27.204	7.51	46.6	6.4
3/26/04 15:00	21.6	102.197	-2.85	27.318	7.52	58.7	6.4
3/26/04 15:30	22.34	100.354	-2.85	27.343	7.52	67.4	6.4
3/26/04 16:00	22.58	100.866	-2.83	27.263	7.52	79.5	6.4
3/26/04 16:30	21.81	102.305	-2.84	27.252	7.53	86.1	6.4
3/26/04 17:00	22.39	100.26	-2.84	27.25	7.53	95.7	6.4
3/26/04 17:30	21.56	102.903	-2.84	27.243	7.54	96.6	6.5
3/26/04 18:00	22.55	101.073	-2.83	27.259	7.53	99.8	6.4
3/26/04 18:30	22.26	101.479	-2.83	27.209	7.54	97.7	6.4
3/26/04 19:00	22.55	100.614	-2.83	27.232	7.54	96.4	6.4
3/26/04 19:30	22.52	100.72	-2.83	27.261	7.53	92.5	6.4
3/26/04 20:00	21.43	103.427	-2.84	27.173	7.53	85.8	6.4
3/26/04 20:30	22.14	101.404	-2.84	27.196	7.54	78.8	6.4
3/26/04 21:00	21.39	102.915	-2.85	27.119	7.54	68.6	6.5
3/26/04 21:30	21.73	101.825	-2.81	27.16	7.54	57.9	6.4
3/26/04 22:00	21.39	103.175	-2.6	27.048	7.53	48	6.4
3/26/04 22:30	21.81	101.845	-2.51	27.148	7.53	38.1	6.4
3/26/04 23:00	22.49	101.984	-2.28	27.115	7.53	25.4	6.4
3/26/04 23:30	21.44	105.055	-2.05	26.937	7.53	15.9	6.4
3/27/04 0:00	22.33	102.949	-1.93	27.097	7.53	7.3	6.4
3/27/04 0:30	21.61	104.661	-1.96	26.984	7.53	3.8	6.5
3/27/04 1:00	22.43	103.26	-1.79	26.96	7.52	3.4	6.5
3/27/04 1:30	21.7	103.515	-1.72	26.873	7.52	3.6	6.4
3/27/04 2:00	22.41	103.312	-1.44	26.778	7.52	3.1	6.3
3/27/04 2:30	22.17	103.237	-1.52	26.767	7.52	3.3	6.4
3/27/04 3:00	22.03	104.026	-1.42	26.77	7.52	3	6.4
3/27/04 3:30	22.37	103.739	-1.32	26.865	7.52	3	6.3
3/27/04 4:00	21.41	106.02	-1.21	26.753	7.52	2.8	6.3
3/27/04 4:30	21.44	105.992	-1.06	26.765	7.52	3.5	6.2
3/27/04 5:00	22.31	104.609	-1.08	26.703	7.51	3.4	6.3
3/27/04 5:30	21.79	105.284	-1.01	26.716	7.51	3.6	6.2
3/27/04 6:00	21.39	106.087	-0.97	26.706	7.51	3.2	6.2
3/27/04 6:30	22.33	104.467	-0.87	26.709	7.51	3.1	6.2
3/27/04 7:00	22.32	103.968	-0.94	26.713	7.5	3.2	6.2
3/27/04 7:30	22.32	104.317	-0.87	26.711	7.5	3.1	6.4
3/27/04 8:00	22.38	103.61	-0.86	26.732	7.5	3	6.2
3/27/04 8:30	21.67	105.501	-0.86	26.694	7.49	3.4	6.2
3/27/04 9:00	21.32	106.217	-0.86	26.717	7.5	3.2	6.2
3/27/04 9:30	22.28	105.223	-0.87	26.78	7.49	3.2	6.3
3/27/04 10:00	21.31	106.857	-0.9	26.752	7.48	2.8	6.1
3/27/04 10:30	22.35	104.826	-0.81	26.792	7.5	3.2	6.3
3/27/04 11:00	21.46	106.524	-0.84	26.861	7.5	3.1	6.3
3/27/04 11:30	22.49	103.706	-0.83	26.935	7.5	2.9	6.2
3/27/04 12:00	22.47	104.616	-0.85	26.989	7.5	3.3	6.3
3/27/04 12:30	22.48	104.97	-0.85	27.022	7.5	6.1	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/27/04 13:00	22.38	105.206	-1.05	27.075	7.49	12.8	6.3
3/27/04 13:30	22.1	105.33	-0.91	27.053	7.49	23.1	6.4
3/27/04 14:00	22.05	105.265	-0.88	27.154	7.49	39.3	6.4
3/27/04 14:30	21.55	106.551	-0.85	27.121	7.49	24.4	6.4
3/27/04 15:00	22.53	104.6	-0.98	27.108	7.49	55.3	6.5
3/27/04 15:30	22.45	104.184	-1.04	27.153	7.49	66.4	6.4
3/27/04 16:00	21.64	106.096	-0.94	27.137	7.5	75.5	6.4
3/27/04 16:30	21.7	105.928	-0.96	27.186	7.5	98.2	6.5
3/27/04 17:00	21.7	106.735	-0.98	27.19	7.51	73.9	6.5
3/27/04 17:30	22.3	104.811	-1.04	27.181	7.52	104.3	6.5
3/27/04 18:00	22.51	104.556	-1.03	27.233	7.51	33.1	6.4
3/27/04 18:30	22.52	104.477	-1.01	27.219	7.52	100.8	6.4
3/27/04 19:00	21.62	107.205	-1.04	27.048	7.52	113.8	6.4
3/27/04 19:30	22.46	105.134	-0.86	27.164	7.52	89.5	6.4
3/27/04 20:00	21.48	106.809	-0.94	27.129	7.53	83.6	6.4
3/27/04 20:30	21.47	107.281	-0.85	27.146	7.53	73.7	6.4
3/27/04 21:00	22.37	104.741	-0.79	27.167	7.53	69.2	6.4
3/27/04 21:30	21.47	106.613	-0.85	27.039	7.52	33.6	6.4
3/27/04 22:00	21.57	106.349	-0.71	27.061	7.53	42.4	6.4
3/27/04 22:30	22.12	107.24	-0.64	27.074	7.52	32.9	6.4
3/27/04 23:00	21.79	103.248	-0.71	27.095	7.52	22.1	6.4
3/27/04 23:30	21.63	104.58	-0.72	27.092	7.52	14.5	6.4
3/28/04 0:00	21.67	104.193	-0.76	26.882	7.52	7.4	6.4
3/28/04 0:30	21.63	102.181	-0.86	27.021	7.52	3.7	6.4
3/28/04 1:00	21.88	102.445	-0.81	27.034	7.52	3.4	6.4
3/28/04 1:30	22.28	101.4	-0.68	27.006	7.52	3.1	6.3
3/28/04 2:00	22.14	101.16	-0.77	27.022	7.52	3.1	6.4
3/28/04 2:30	22.32	102.62	-0.66	26.956	7.52	3.1	6.3
3/28/04 3:00	22.44	101.415	-0.73	26.911	7.51	3	6.3
3/28/04 3:30	22.38	101.805	-0.84	26.873	7.52	3.4	6.3
3/28/04 4:00	22.42	102.228	-0.83	26.859	7.52	3	6.3
3/28/04 4:30	22.43	102.666	-0.75	26.786	7.51	3.2	6.4
3/28/04 5:00	22.41	102.496	-0.77	26.847	7.52	3.2	6.2
3/28/04 5:30	21.57	103.766	-0.86	26.78	7.52	3	6.2
3/28/04 6:00	22.09	103.517	-0.82	26.845	7.52	3.2	6.2
3/28/04 6:30	22.23	103.283	-0.82	26.771	7.52	3.3	6.3
3/28/04 7:00	21.55	104.361	-0.76	26.729	7.51	3.4	6.3
3/28/04 7:30	22.15	103.127	-1.29	26.729	7.51	3.1	6.2
3/28/04 8:00	22.03	102.694	-1.72	26.737	7.51	2.7	6.3
3/28/04 8:30	22.14	102.505	-1.79	26.768	7.51	3.1	6.3
3/28/04 9:00	21.27	103.664	-1.76	26.783	7.51	3.2	6.2
3/28/04 9:30	22.15	101.846	-1.71	26.862	7.51	3	6.3
3/28/04 10:00	22.09	102.994	-2.13	26.84	7.5	3	6.3
3/28/04 10:30	22.1	101.964	-2.04	26.87	7.5	3.1	6.3
3/28/04 11:00	21.37	104.725	-1.83	26.805	7.5	2.9	6.2
3/28/04 11:30	22.06	103.933	-1.91	26.879	7.51	3.4	6.3
3/28/04 12:00	21.24	104.344	-1.87	26.905	7.51	3.3	6.2
3/28/04 12:30	21.95	103.529	-1.64	26.946	7.51	5.5	6.3
3/28/04 13:00	21.25	103.757	-1.69	26.989	7.51	10.4	6.4
3/28/04 13:30	22	102.5	-1.7	27.064	7.5	21.6	6.4
3/28/04 14:00	22.09	102.553	-1.65	27.079	7.5	30.7	6.4
3/28/04 14:30	21.17	104.267	-1.65	27.084	7.5	40.2	6.4
3/28/04 15:00	22.01	102.503	-1.69	27.21	7.5	53.6	6.4
3/28/04 15:30	21.35	104.076	-1.59	27.17	7.51	43.5	6.4
3/28/04 16:00	21.3	103.979	-1.56	27.175	7.51	66.7	6.4
3/28/04 16:30	21.89	102.478	-1.67	27.24	7.52	48.3	6.4
3/28/04 17:00	22.18	102.11	-1.46	27.232	7.52	78.6	6.5
3/28/04 17:30	22.07	103.01	-1.78	27.219	7.53	61.7	6.5
3/28/04 18:00	21.63	103.341	-1.85	27.191	7.53	47.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/28/04 18:30	22.33	101.018	-1.5	27.27	7.54	57.6	6.5
3/28/04 19:00	22.3	101.54	-1.39	27.232	7.54	83.5	6.4
3/28/04 19:30	22.4	102.873	-1.69	27.216	7.54	98.5	6.5
3/28/04 20:00	21.44	104.506	-1.36	27.111	7.55	76.1	6.4
3/28/04 20:30	22.33	103.379	-1.7	27.098	7.54	68.9	6.5
3/28/04 21:00	21.91	101.684	-1.31	27.208	7.54	62.8	6.4
3/28/04 21:30	22.16	101.577	-1.29	27.121	7.55	52	7
3/28/04 22:00	21.34	102.929	-1.24	27.081	7.54	40.9	6.4
3/28/04 22:30	21.57	102.591	-1.33	27.07	7.54	30.5	6.4
3/28/04 23:00	21.35	104.579	-1.49	27.05	7.53	22	6.4
3/28/04 23:30	21.17	102.574	-1.47	27.066	7.53	13.1	6.5
3/29/04 0:00	21.61	101.758	-1.31	27.049	7.53	8.2	6.5
3/29/04 0:30	21.8	100.427	-1.39	27.062	7.53	3.5	6.6
3/29/04 1:00	21.05	101.922	-1.28	27.008	7.53	3	6.5
3/29/04 1:30	21.03	103.926	-1.18	26.957	7.53	3	6.5
3/29/04 2:00	21.1	102.675	-1.11	26.965	7.53	3.5	6.4
3/29/04 2:30	20.91	101.893	-1.09	26.92	7.53	2.9	6.5
3/29/04 3:00	21.74	101.21	-0.96	26.919	7.52	3.2	6.4
3/29/04 3:30	21.85	100.401	-1	26.919	7.52	3.3	6.4
3/29/04 4:00	21.61	101.278	-1.14	26.819	7.52	3.3	6.4
3/29/04 4:30	21.16	101.554	-1	26.851	7.53	3.4	6.4
3/29/04 5:00	21.87	101.545	-1.08	26.806	7.53	3.1	6.4
3/29/04 5:30	22.03	100.663	-1.23	26.776	7.52	3.2	6.4
3/29/04 6:00	21.66	101.564	-1.19	26.742	7.53	3	6.4
3/29/04 6:30	21.84	101.437	-1.01	26.782	7.53	3.3	6.3
3/29/04 7:00	21.44	102.061	-1.02	26.74	7.53	2.9	6.4
3/29/04 7:30	21.33	103.292	-0.95	26.691	7.53	3	6.3
3/29/04 8:00	21.2	104.629	-0.94	26.666	7.53	3	6.4
3/29/04 8:30	21.23	104.736	-0.92	26.656	7.53	3.1	6.3
3/29/04 9:00	21.76	103.554	-0.85	26.709	7.52	2.9	6.3
3/29/04 9:30	22	101.892	-0.9	26.809	7.52	3.4	6.3
3/29/04 10:00	21.76	104.263	-0.85	26.75	7.51	3.4	6.3
3/29/04 10:30	21.84	102.078	-0.87	26.83	7.51	3.3	6.4
3/29/04 11:00	21.5	101.779	-1.32	26.874	7.51	3.4	6.3
3/29/04 11:30	21.45	101.609	-1.75	26.855	7.52	3.5	6.4
3/29/04 12:00	21.18	104.563	-1.67	26.881	7.52	3.1	6.3
3/29/04 12:30	21.56	101.857	-1.41	26.94	7.51	5.7	6.5
3/29/04 13:00	22.16	102.852	-1.38	27.001	7.5	11.2	6.4
3/29/04 13:30	20.67	104.692	-1.37	26.983	7.51	15.6	6.4
3/29/04 14:00	22.04	102.895	-1.26	27.083	7.5	13.4	6.5
3/29/04 14:30	22.44	102.465	-1.24	27.112	7.5	44.2	6.5
3/29/04 15:00	21.34	103.79	-1.16	27.146	7.5	52.7	6.5
3/29/04 15:30	21.08	104.493	-1.3	27.171	7.51	22.4	6.7
3/29/04 16:00	20.88	105.828	-1.09	27.107	7.52	80.1	6.5
3/29/04 16:30	21.22	104.246	-1.12	27.166	7.51	25.6	6.4
3/29/04 17:00	21.67	103.117	-1.32	27.207	7.52	43.3	6.5
3/29/04 17:30	21.03	104.734	-1.06	27.171	7.52	14.6	6.5
3/29/04 18:00	22.01	102.583	-1.1	27.244	7.52	23.6	6.5
3/29/04 18:30	21.63	104.052	-0.96	27.196	7.53	41.7	6.4
3/29/04 19:00	21.75	103.841	-1.22	27.197	7.54	50.7	6.5
3/29/04 19:30	23.01	102.033	-1.22	27.234	7.55	84.5	6.5
3/29/04 20:00	21.47	105.109	-1.07	27.149	7.56	84.1	6.4
3/29/04 20:30	21.98	104.22	-0.94	27.155	7.56	88.4	6.5
3/29/04 21:00	21.47	106.194	-1.24	27.079	7.54	32	6.4
3/29/04 21:30	21.17	106.71	-1.29	27.098	7.54	22.6	6.4
3/29/04 22:00	22.18	103.173	-1.21	27.157	7.53	9	6.5
3/29/04 22:30	21.16	106.098	-1.21	27.037	7.53	4.1	6.4
3/29/04 23:00	22.6	102.808	-1.17	27.109	7.52	4.6	6.5
3/29/04 23:30	22.69	102.066	-1.11	27.104	7.52	8.5	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/30/04 0:00	21.27	105.762	-0.87	26.996	7.52	9.5	6.4
3/30/04 0:30	21.98	103.36	-1.1	27.008	7.52	3.7	6.5
3/30/04 1:00	21.03	105.597	-1.34	26.957	7.52	2.9	6.4
3/30/04 1:30	22.37	101.938	-0.87	27.009	7.52	3.3	6.5
3/30/04 2:00	21.79	104.868	-0.87	26.965	7.52	3.2	6.5
3/30/04 2:30	22.28	103.138	-0.83	26.974	7.52	3.3	6.4
3/30/04 3:00	20.53	106.616	-1.3	26.861	7.52	3	6.4
3/30/04 3:30	21.6	104.34	-1.13	26.879	7.51	3.1	6.4
3/30/04 4:00	20.39	106.732	-1.18	26.84	7.51	3.1	6.4
3/30/04 4:30	20.84	105.54	-1.1	26.814	7.51	3.4	6.4
3/30/04 5:00	20.32	106.866	-1.12	26.783	7.51	3	6.4
3/30/04 5:30	20.89	104.379	-1.18	26.8	7.51	3.4	6.5
3/30/04 6:00	21.88	103.389	-1.21	26.789	7.51	3.3	6.5
3/30/04 6:30	21.9	103.625	-1.17	26.774	7.51	3.2	6.4
3/30/04 7:00	20.64	106.614	-1.1	26.657	7.51	2.5	6.4
3/30/04 7:30	20.96	104.452	-1.1	26.728	7.51	3.5	6.4
3/30/04 8:00	22.16	103.848	-0.99	26.707	7.51	3.4	6.4
3/30/04 8:30	21.37	104.03	-0.95	26.693	7.51	3.1	6.4
3/30/04 9:00	22.11	103.312	-1.18	26.723	7.5	3.3	6.4
3/30/04 9:30	21.02	104.98	-1.07	26.675	7.5	2.8	6.4
3/30/04 10:00	21.37	105.061	-1.14	26.688	7.51	3.5	6.4
3/30/04 10:30	20.67	105.531	-1.05	26.666	7.5	3.6	6.4
3/30/04 11:00	20.71	105.582	-1	26.701	7.5	2.9	6.4
3/30/04 11:30	21.21	103.749	-2.85	26.756	7.5	3.3	6.4
3/30/04 12:00	21	103.969	-1.65	26.776	7.5	3.2	6.4
3/30/04 12:30	22.06	104.008	-1.34	26.813	7.48	6.5	6.4
3/30/04 13:00	22	102.908	-1.35	26.855	7.48	12.6	6.4
3/30/04 13:30	20.93	106.118	-1.35	26.854	7.49	22	6.5
3/30/04 14:00	22.1	104.333	-1.11	26.919	7.49	31.9	6.5
3/30/04 14:30	21.65	103.816	-1.29	26.977	7.49	42.5	6.5
3/30/04 15:00	21.92	103.798	-1.24	27.025	7.5	54.9	6.5
3/30/04 15:30	21.5	104.421	-0.99	27.053	7.52	62.8	6.5
3/30/04 16:00	20.97	106.671	-0.97	27.046	7.53	71.3	6.4
3/30/04 16:30	20.97	107.549	-0.93	27.046	7.54	77.1	6.5
3/30/04 17:00	21.02	107.769	-0.96	27.053	7.55	84.7	6.4
3/30/04 17:30	22.6	104.458	-0.95	27.151	7.55	89.7	6.4
3/30/04 18:00	21.11	107.516	-1.28	27.106	7.54	84.4	6.4
3/30/04 18:30	22.5	104.646	-1.14	27.167	7.56	91.2	6.5
3/30/04 19:00	21.62	105.889	-1.26	27.142	7.56	87.2	6.4
3/30/04 19:30	21.16	107.688	-1.06	27.103	7.56	69.4	6.5
3/30/04 20:00	22.3	104.505	-1.17	27.176	7.55	82.9	6.5
3/30/04 20:30	21.46	106.37	-1.28	27.129	7.55	72	6.5
3/30/04 21:00	21.28	106.455	-1.21	27.137	7.56	62.4	6.5
3/30/04 21:30	21.41	106.741	-0.99	27.112	7.55	54	6.5
3/30/04 22:00	22.23	105.317	-1.1	27.139	7.55	38.5	6.5
3/30/04 22:30	22.22	105.122	-1.05	27.119	7.55	35	6.5
3/30/04 23:00	21.65	106.094	-1.04	27.094	7.54	16.6	6.5
3/30/04 23:30	21.33	106.18	-1.13	27.073	7.55	14.8	6.5
3/31/04 0:00	20.78	107.815	-0.86	27.027	7.54	7.3	6.5
3/31/04 0:30	20.8	108.177	-0.82	27.008	7.55	3.3	6.5
3/31/04 1:00	20.81	106.875	-0.79	27.025	7.54	3	6.4
3/31/04 1:30	21.76	104.58	-0.76	27.063	7.53	3.1	6.5
3/31/04 2:00	20.83	106.612	-0.83	27.01	7.52	3.3	6.5
3/31/04 2:30	20.45	105.947	-2.85	27.008	7.53	3.1	6.5
3/31/04 3:00	20.94	104.498	-1.44	27.014	7.53	3.2	6.6
3/31/04 3:30	20.21	106.67	-1.19	26.953	7.53	3.2	6.5
3/31/04 4:00	21.29	103.946	-0.99	26.989	7.53	3.4	6.5
3/31/04 4:30	21.14	104.611	-0.9	26.956	7.52	3.1	6.5
3/31/04 5:00	20.74	105.881	-0.98	26.903	7.52	2.9	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
3/31/04 5:30	20.39	107.715	-0.86	26.854	7.52	3.3	6.4
3/31/04 6:00	20.36	107.791	-0.85	26.815	7.52	3.2	6.5
3/31/04 6:30	20.48	106.45	-1.94	26.811	7.52	3.3	6.5
3/31/04 7:00	20.49	104.794	-1.27	26.8	7.51	3.1	6.5
3/31/04 7:30	21.63	100.666	-1.01	26.863	7.5	3.2	6.5
3/31/04 8:00	20.13	107.499	-0.94	26.699	7.5	3.3	6.5
3/31/04 8:30	21.67	103.307	-0.93	26.777	7.49	3.2	6.5
3/31/04 9:00	21.35	103.746	-0.96	26.734	7.48	3.2	6.5
3/31/04 9:30	21.45	104.208	-0.92	26.715	7.48	3	7
3/31/04 10:00	21.67	104.371	-0.83	26.704	7.48	3.2	6.5
3/31/04 10:30	21.35	104.703	-0.86	26.695	7.47	3.4	6.5
3/31/04 11:00	21.22	104.485	-0.78	26.699	7.47	3.3	6.5
3/31/04 11:30	20.06	107.48	-0.8	26.658	7.46	3.1	6.4
3/31/04 12:00	20.17	107.533	-0.76	26.672	7.47	3.4	6.5
3/31/04 12:30	20.22	107.492	-0.76	26.703	7.47	6.7	6.4
3/31/04 13:00	21.06	105.296	-0.84	26.771	7.48	12.7	6.5
3/31/04 13:30	21.37	104.196	-1.52	26.814	7.5	21.4	6.6
3/31/04 14:00	20.44	106.664	-1.74	26.818	7.5	31.9	6.6
3/31/04 14:30	21.26	105.168	-1.77	26.881	7.51	42.4	6.6
3/31/04 15:00	20.95	106.793	-1.76	26.887	7.53	52.2	6.5
3/31/04 15:30	20.83	107.698	-1.74	26.909	7.54	57.3	6.5
3/31/04 16:00	21.16	107.383	-1.78	26.955	7.54	68.6	6.5
3/31/04 16:30	22.37	103.622	-1.62	27.057	7.55	74.8	6.6
3/31/04 17:00	21.4	107.61	-1.6	27	7.56	80.1	6.5
3/31/04 17:30	20.78	108.416	-1.62	27	7.57	82.7	6.5
3/31/04 18:00	21.54	106.332	-1.7	27.07	7.53	86.8	6.5
3/31/04 18:30	22.45	104.851	-1.42	27.114	7.54	86.5	6.5
3/31/04 19:00	21.57	106.091	-1.41	27.089	7.55	86.8	6.5
3/31/04 19:30	20.9	105.805	-1.31	27.094	7.59	83.6	6.5
3/31/04 20:00	22.11	105.128	-1.46	27.121	7.6	78.8	6.7
3/31/04 20:30	20.9	107.259	-1.21	27.07	7.59	71.8	6.5
3/31/04 21:00	22.57	104.746	-1.47	27.122	7.59	63.8	6.6
3/31/04 21:30	22.49	105.846	-1.1	27.103	7.6	53.3	6.5
3/31/04 22:00	21.03	107.193	-1.14	27.063	7.59	42.5	6.5
3/31/04 22:30	21.54	106.769	-1.42	27.055	7.56	32.6	6.5
3/31/04 23:00	21.08	109.254	-1.13	27.005	7.55	22.3	6.6
3/31/04 23:30	21.08	108.597	-1.37	27.006	7.53	13.8	6.5
4/1/04 0:00	22.22	105.965	-1.27	27.052	7.51	7.9	6.6
4/1/04 0:30	21.03	108.835	-1.1	26.99	7.5	3.9	6.6
4/1/04 1:00	21.41	106.54	-1.35	27.022	7.49	3.1	6.6
4/1/04 1:30	21.43	106.347	-1.11	27.017	7.5	3.4	6.5
4/1/04 2:00	20.57	108.261	-1.21	26.973	7.5	3	6.5
4/1/04 2:30	21.88	106.44	-1.2	27.01	7.49	3	6.5
4/1/04 3:00	21.08	106.425	-1.28	27	7.51	3.2	6.5
4/1/04 3:30	21.89	105.168	-1.97	27.013	7.51	3.5	6.6
4/1/04 4:00	20.97	106.436	-1.39	26.977	7.52	3.2	6.5
4/1/04 4:30	20.43	109.651	-1.25	26.903	7.51	3.5	6.5
4/1/04 5:00	21.96	106.22	-1.25	26.957	7.51	3.3	6.5
4/1/04 5:30	21	108.285	-1.17	26.887	7.5	3.2	6.5
4/1/04 6:00	20.53	110.14	-1.22	26.83	7.5	2.8	6.5
4/1/04 6:30	20.43	109.631	-1.68	26.808	7.5	3.1	6.7
4/1/04 7:00	20.42	109.28	-1.35	26.789	7.5	2.9	6.4
4/1/04 7:30	20.37	109.764	-1.36	26.754	7.5	3.3	6.5
4/1/04 8:00	20.53	109.175	-1.34	26.743	7.5	3.2	6.4
4/1/04 8:30	21.97	106.993	-1.28	26.755	7.49	3.3	6.5
4/1/04 9:00	22.06	106.98	-1.29	26.74	7.48	3.1	6.5
4/1/04 9:30	20.36	110.164	-1.4	26.651	7.47	3	6.4
4/1/04 10:00	20.56	110.252	-1.44	26.641	7.48	3.3	6.5
4/1/04 10:30	21.93	107.082	-1.5	26.692	7.47	3.3	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/1/04 11:00	21.99	106.83	-1.51	26.698	7.46	3.2	6.5
4/1/04 11:30	20.38	110.902	-1.49	26.625	7.46	3.2	6.5
4/1/04 12:00	21.91	106.856	-1.49	26.705	7.48	3.2	6.5
4/1/04 12:30	21.89	107.024	-1.57	26.72	7.48	6.8	6.5
4/1/04 13:00	20.81	109.847	-1.58	26.685	7.48	13.2	6.5
4/1/04 13:30	20.35	111.263	-1.58	26.68	7.49	22.4	6.5
4/1/04 14:00	20.4	111.039	-1.58	26.713	7.5	32.8	6.5
4/1/04 14:30	21.84	108.641	-1.52	26.799	7.52	43.3	6.5
4/1/04 15:00	21.93	107.819	-1.34	26.851	7.53	55.3	6.6
4/1/04 15:30	20.42	110.797	-1.44	26.816	7.54	65.4	6.5
4/1/04 16:00	21.07	109.756	-1.48	26.878	7.54	74.5	6.5
4/1/04 16:30	20.65	110.763	-1.5	26.883	7.55	82.9	6.6
4/1/04 17:00	21.74	107.354	-1.49	26.984	7.54	88.7	6.6
4/1/04 17:30	22.43	107.851	-1.44	27.002	7.56	90	6.5
4/1/04 18:00	21.13	111.854	-1.21	26.941	7.56	93.9	6.5
4/1/04 18:30	20.99	111.576	-1.39	26.953	7.59	93.8	6.5
4/1/04 19:00	22.18	108.89	-1.32	27.028	7.55	91.8	6.5
4/1/04 19:30	21	111.328	-1.1	26.974	7.6	88.3	6.5
4/1/04 20:00	22.49	107.712	-1.34	27.055	7.58	82.8	6.5
4/1/04 20:30	21.03	111.654	-1.3	26.971	7.58	76.7	6.5
4/1/04 21:00	21	110.855	-1.4	26.976	7.61	66.5	6.5
4/1/04 21:30	22.1	109.442	-1.33	27.008	7.59	55.7	6.5
4/1/04 22:00	20.95	111.26	-1.17	26.95	7.56	27	6.5
4/1/04 22:30	22.08	108.86	-1.31	26.992	7.56	35.8	6.5
4/1/04 23:00	22.14	108.779	-0.98	26.979	7.54	24.2	6.5
4/1/04 23:30	20.95	111.468	-1.08	26.908	7.53	15.5	6.8
4/2/04 0:00	21.19	110.677	-1.28	26.909	7.51	7.2	6.8
4/2/04 0:30	22.47	108.644	-1.05	26.944	7.5	3.8	6.5
4/2/04 1:00	20.93	111.275	-1.17	26.875	7.5	3.2	6.6
4/2/04 1:30	22.22	108.947	-1.18	26.913	7.5	3.3	6.5
4/2/04 2:00	20.92	111.41	-1.03	26.854	7.5	3	6.4
4/2/04 2:30	22.2	108.298	-1.12	26.921	7.49	3.2	6.5
4/2/04 3:00	21.09	110.86	-1.13	26.858	7.49	3.1	6.5
4/2/04 3:30	21.13	110.798	-1	26.86	7.5	3.3	6.4
4/2/04 4:00	21.91	109.629	-1.1	26.878	7.49	3.2	6.5
4/2/04 4:30	21.69	109.811	-1.01	26.866	7.48	3.2	6.5
4/2/04 5:00	21.21	111.319	-1.11	26.824	7.48	2.9	6.4
4/2/04 5:30	22.52	108.319	-1.16	26.88	7.47	3.1	6.4
4/2/04 6:00	22.12	108.497	-1.17	26.855	7.48	3	6.4
4/2/04 6:30	21	111.728	-1.37	26.769	7.47	3.3	6.4
4/2/04 7:00	22.52	108.235	-1.24	26.814	7.48	3.1	6.3
4/2/04 7:30	22.28	107.92	-2.74	26.795	7.49	3.3	6.5
4/2/04 8:00	20.76	111.883	-2.45	26.692	7.49	3.2	6.4
4/2/04 8:30	22.17	108.587	-2.05	26.72	7.48	3.2	6.4
4/2/04 9:00	21.93	108.414	-1.94	26.708	7.49	3.2	6.5
4/2/04 9:30	21.9	108.623	-2.01	26.678	7.49	3.4	6.5
4/2/04 10:00	22.37	108.418	-1.84	26.672	7.48	3.4	6.5
4/2/04 10:30	21.34	109.382	-1.76	26.626	7.48	3.2	6.4
4/2/04 11:00	21.74	109.384	-2.12	26.622	7.48	3.2	6.5
4/2/04 11:30	20.82	111.841	-1.98	26.571	7.48	3	6.4
4/2/04 12:00	21.96	109.61	-1.84	26.621	7.47	3.6	6.4
4/2/04 12:30	21.24	110.349	-1.96	26.611	7.47	6.5	6.4
4/2/04 13:00	21.01	111.449	-1.83	26.608	7.49	17.1	6.5
4/2/04 13:30	22.01	109.486	-1.71	26.662	7.49	17	6.5
4/2/04 14:00	22.44	109.809	-1.72	26.691	7.5	22.6	6.5
4/2/04 14:30	22.31	108.593	-1.56	26.736	7.51	33.4	6.5
4/2/04 15:00	22.53	108.224	-1.54	26.782	7.53	48.7	6.5
4/2/04 15:30	22.56	109.766	-1.44	26.784	7.52	50.6	6.5
4/2/04 16:00	22.16	109.29	-1.34	26.83	7.52	59.6	6.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/2/04 16:30	22.34	109.077	-1.4	26.864	7.53	75.8	6.5
4/2/04 17:00	22.22	109.042	-1.22	26.896	7.53	89.1	6.5
4/2/04 17:30	21.89	109.659	-1.35	26.901	7.53	93.1	6.5
4/2/04 18:00	21.01	113.252	-1.16	26.86	7.57	95.4	6.5
4/2/04 18:30	22.5	108.343	-1.18	26.968	7.53	69.8	6.6
4/2/04 19:00	22.55	109.334	-1.18	26.973	7.55	92.1	6.5
4/2/04 19:30	21	112.413	-1.25	26.911	7.56	88.3	6.5
4/2/04 20:00	21.26	112.052	-1.37	26.924	7.58	82.9	6.5
4/2/04 20:30	21.56	110.091	-2.74	26.962	7.57	74.2	6.7
4/2/04 21:00	22.03	109.562	-1.9	26.975	7.58	64.4	6.6
4/2/04 21:30	21.25	110.863	-1.57	26.928	7.58	53.8	6.5
4/2/04 22:00	20.54	113.868	-1.36	26.879	7.56	44.3	6.6
4/2/04 22:30	21.92	109.995	-1.24	26.95	7.54	32.7	6.5
4/2/04 23:00	22.04	110.038	-1.29	26.934	7.51	14.7	6.6
4/2/04 23:30	22.06	109.395	-1.28	26.949	7.49	9.4	6.6
4/3/04 0:00	20.55	112.467	-1.31	26.866	7.49	6.9	6.5
4/3/04 0:30	22.2	108.692	-1.24	26.935	7.48	3.6	6.7
4/3/04 1:00	21.47	110.205	-1.27	26.911	7.49	3.3	6.5
4/3/04 1:30	20.88	112.404	-1.18	26.865	7.5	2.9	6.5
4/3/04 2:00	22.4	109.542	-1.05	26.937	7.5	3.1	6.5
4/3/04 2:30	21.78	110.4	-1.16	26.931	7.49	3	6.5
4/3/04 3:00	20.9	111.97	-1.17	26.887	7.5	3	6.5
4/3/04 3:30	22.4	108.615	-1.17	26.961	7.5	3	6.5
4/3/04 4:00	20.82	112.834	-1.08	26.888	7.49	3.2	6.5
4/3/04 4:30	20.99	112.259	-1.14	26.895	7.49	3.4	6.5
4/3/04 5:00	21.38	111.839	-1.05	26.934	7.48	3.1	6.4
4/3/04 5:30	22.28	110.34	-1.08	26.953	7.49	2.9	6.5
4/3/04 6:00	22.3	108.058	-1.07	26.984	7.48	3.3	6.4
4/3/04 6:30	20.88	110.905	-1.03	26.935	7.48	3.3	6.5
4/3/04 7:00	21.04	107.189	-1.12	26.968	7.48	3.1	6.5
4/3/04 7:30	21.93	107.626	-1.1	26.947	7.5	3.3	6.4
4/3/04 8:00	21.44	108.13	-1.04	26.919	7.5	3.3	6.5
4/3/04 8:30	22.33	106.485	-0.99	26.919	7.49	3.1	6.4
4/3/04 9:00	22.39	109.456	-0.84	26.837	7.49	3.1	6.4
4/3/04 9:30	20.79	113.858	-0.9	26.725	7.49	2.9	6.5
4/3/04 10:00	20.76	114.393	-0.84	26.688	7.49	3.1	6.4
4/3/04 10:30	20.94	114.093	-0.89	26.673	7.48	3.1	6.4
4/3/04 11:00	20.72	114.115	-0.94	26.65	7.48	3.3	6.5
4/3/04 11:30	22.3	109.837	-0.8	26.731	7.48	3.3	6.5
4/3/04 12:00	20.63	113.93	-0.96	26.629	7.48	3.4	6.5
4/3/04 12:30	22.08	110.813	-0.89	26.67	7.48	3.7	6.4
4/3/04 13:00	22.17	110.193	-0.98	26.684	7.48	7.7	6.5
4/3/04 13:30	20.66	114.425	-0.95	26.618	7.48	15.3	6.6
4/3/04 14:00	20.68	113.917	-0.9	26.626	7.48	20.2	6.5
4/3/04 14:30	21.35	113.361	-0.84	26.654	7.49	25.2	6.5
4/3/04 15:00	20.85	114.225	-0.94	26.659	7.51	65.2	6.5
4/3/04 15:30	20.74	114.524	-0.8	26.666	7.51	40	6.5
4/3/04 16:00	21.99	111.305	-0.83	26.742	7.51	52.8	6.6
4/3/04 16:30	21.07	113.187	-0.76	26.72	7.5	31.5	6.5
4/3/04 17:00	22.35	110.917	-0.77	26.803	7.5	25.5	6.6
4/3/04 17:30	22.03	111.605	-0.77	26.803	7.52	86.8	6.5
4/3/04 18:00	22.46	110.419	-0.77	26.849	7.52	88.5	6.5
4/3/04 18:30	22.36	108.451	-0.81	26.901	7.53	91.2	6.6
4/3/04 19:00	22.03	108.108	-0.8	26.893	7.52	89.8	6.5
4/3/04 19:30	22.39	109.357	-0.94	26.894	7.53	82.1	6.5
4/3/04 20:00	22.47	110.738	-0.98	26.859	7.53	79.2	6.6
4/3/04 20:30	21.1	113.416	-0.93	26.81	7.55	69.6	6.8
4/3/04 21:00	22.41	109.771	-0.83	26.865	7.55	62.4	6.6
4/3/04 21:30	20.84	113.37	-0.77	26.794	7.53	42	6.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	**Temp C**	**SpCond mS/cm**	**DO Conc mg/L**	**Depth m**	**pH**	**PAR1**	**Turbidity NTU**
4/3/04 22:00	21.7	111.975	-0.57	26.802	7.52	25.6	6.5
4/3/04 22:30	22.27	109.588	-0.75	26.852	7.53	24.2	7.2
4/3/04 23:00	20.85	113.745	-0.6	26.753	7.53	22.4	6.5
4/3/04 23:30	20.85	113.663	-0.56	26.74	7.53	13.5	6.5
4/4/04 0:00	20.92	113.838	-0.54	26.746	7.52	7.9	6.5
4/4/04 0:30	21.66	122.523	-0.51	26.578	7.51	4	6.5
4/4/04 1:00	22.08	119.567	-0.55	26.625	7.51	3	6.5
4/4/04 1:30	21.34	120.736	-0.53	26.6	7.51	3.2	6.5
4/4/04 2:00	20.96	122.033	-0.56	26.59	7.51	3.1	6.5
4/4/04 2:30	22.39	113.158	-0.63	26.781	7.51	3.3	6.5
4/4/04 3:00	21.12	122.495	-0.51	26.59	7.5	3.4	6.5
4/4/04 3:30	22.44	118.828	-0.54	26.704	7.51	3.1	6.5
4/4/04 4:00	22.27	120.716	-0.46	26.688	7.5	2.8	6.6
4/4/04 4:30	22.11	120.15	-0.5	26.707	7.5	3.3	6.4
4/4/04 5:00	20.9	123.075	-0.51	26.649	7.5	3.2	6.5
4/4/04 5:30	21.88	119.533	-0.54	26.758	7.5	3.3	6.5
4/4/04 6:00	22.46	118.311	-0.41	26.792	7.51	3.2	6.5
4/4/04 6:30	22.39	118.289	-0.49	26.784	7.51	2.9	6.5
4/4/04 7:00	22.03	113.293	-0.49	26.901	7.51	3.3	6.5
4/4/04 7:30	22.43	117.145	-0.43	26.827	7.5	3.1	6.4
4/4/04 8:00	21.3	120.351	-0.4	26.747	7.5	3.2	6.5
4/4/04 8:30	21.05	122.076	-0.38	26.699	7.49	3.1	6.4
4/4/04 9:00	22.36	118.185	-0.38	26.779	7.49	3	6.5
4/4/04 9:30	22.33	113.011	-0.32	26.844	7.51	3.5	6.5
4/4/04 10:00	21.68	122.727	-0.27	26.648	7.51	3.2	6.5
4/4/04 10:30	20.63	126.079	-0.95	26.549	7.49	3.2	6.4
4/4/04 11:00	20.81	123.319	-0.37	26.598	7.49	3.2	6.5
4/4/04 11:30	22.15	122.053	-0.33	26.605	7.49	3.1	6.5
4/4/04 12:00	20.81	124.98	-0.27	26.536	7.5	3.6	6.5
4/4/04 12:30	21.92	121.45	-0.26	26.594	7.5	6.9	6.6
4/4/04 13:00	22.01	122.958	-0.24	26.562	7.5	13.1	6.6
4/4/04 13:30	21.81	123.344	-0.24	26.556	7.5	21.7	6.6
4/4/04 14:00	20.75	126.998	-0.24	26.464	7.51	31.2	6.6
4/4/04 14:30	21.2	124.742	-0.2	26.53	7.51	41.4	6.7
4/4/04 15:00	21.86	123.461	-0.15	26.56	7.51	51.7	6.7
4/4/04 15:30	22.01	121.909	-0.33	26.61	7.51	46	6.7
4/4/04 16:00	20.64	125.497	-0.28	26.536	7.52	66.3	6.6
4/4/04 16:30	20.66	126.853	-0.39	26.522	7.53	73.4	6.6
4/4/04 17:00	21.89	123.738	-0.4	26.609	7.53	78.9	6.7
4/4/04 17:30	21.45	126.45	-0.5	26.554	7.53	81.1	6.6
4/4/04 18:00	22.23	123.623	-0.45	26.633	7.53	87.6	6.6
4/4/04 18:30	21.8	121.949	-0.36	26.675	7.54	86.4	6.5
4/4/04 19:00	22.12	122.931	-0.35	26.657	7.55	63.4	6.5
4/4/04 19:30	22.14	130.569	-0.33	26.54	7.56	77.5	6.5
4/4/04 20:00	21.54	132.488	-0.24	26.47	7.56	74.8	6.6
4/4/04 20:30	22.18	122.999	-0.42	26.649	7.55	66.7	6.7
4/4/04 21:00	21.04	127.412	-0.33	26.528	7.56	22.4	6.6
4/4/04 21:30	21.84	127.067	-0.59	26.545	7.55	51.8	6.6
4/4/04 22:00	21.85	127.138	-0.44	26.523	7.54	40.8	7.3
4/4/04 22:30	21.11	128.672	-0.43	26.473	7.54	31	6.5
4/4/04 23:00	21.03	125.452	-0.49	26.524	7.53	21.9	6.5
4/4/04 23:30	21.99	120.242	-0.41	26.615	7.53	14.6	6.6
4/5/04 0:00	20.86	122.757	-0.61	26.535	7.53	8.3	6.5
4/5/04 0:30	22.26	116.991	-0.57	26.637	7.53	4	6.7
4/5/04 1:00	22.38	118.318	-0.62	26.623	7.53	3.2	6.8
4/5/04 1:30	22.42	123.551	-1.2	26.51	7.53	3.3	6.5
4/5/04 2:00	21.32	116.057	-0.95	26.652	7.53	3.1	6.4
4/5/04 2:30	22.3	114.219	-0.92	26.69	7.53	3.2	6.5
4/5/04 3:00	21.03	117.102	-0.8	26.638	7.53	3.4	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/5/04 3:30	22.35	124.531	-0.8	26.528	7.53	3	6.4
4/5/04 4:00	21.36	122.483	-0.86	26.582	7.53	3.1	6.5
4/5/04 4:30	21.58	133.281	-0.73	26.406	7.52	3.1	6.4
4/5/04 5:00	22	131.307	-0.76	26.479	7.52	3.2	6.4
4/5/04 5:30	21.02	132.626	-0.72	26.468	7.52	3.3	6.5
4/5/04 6:00	21.73	115.396	-0.8	26.834	7.51	2.9	6.6
4/5/04 6:30	21.08	126.279	-0.74	26.661	7.51	3.3	6.4
4/5/04 7:00	22.23	123.786	-0.71	26.728	7.51	3.2	6.6
4/5/04 7:30	20.81	126.108	-0.77	26.677	7.51	3.2	6.5
4/5/04 8:00	20.85	125.592	-0.83	26.717	7.5	3.3	6.5
4/5/04 8:30	21.53	122.871	-1.4	26.766	7.49	3.2	6.5
4/5/04 9:00	22.17	117.476	-1.12	26.864	7.51	3.2	6.5
4/5/04 9:30	21.78	114.035	-1.04	26.908	7.49	3.2	6.5
4/5/04 10:00	20.8	118.961	-1.15	26.826	7.49	3.3	6.5
4/5/04 10:30	20.75	118.364	-1.06	26.808	7.48	3.3	6.5
4/5/04 11:00	21.72	119.837	-1.06	26.77	7.49	3	6.5
4/5/04 11:30	21.8	112.337	-0.96	26.908	7.48	3.1	6.5
4/5/04 12:00	22.12	111.175	-0.99	26.927	7.48	3	6.5
4/5/04 12:30	22.19	110.788	-1.03	26.904	7.48	4	6.5
4/5/04 13:00	22.22	107.868	-1.02	26.943	7.48	3.7	6.7
4/5/04 13:30	22.19	104.837	-0.94	27.001	7.47	4.6	6.6
4/5/04 14:00	22.18	104.432	-0.94	26.986	7.47	4.8	6.5
4/5/04 14:30	20.93	109.343	-0.99	26.882	7.47	6.9	6.5
4/5/04 15:00	22.08	109.706	-0.94	26.91	7.46	10.1	6.6
4/5/04 15:30	20.92	111.76	-0.9	26.839	7.47	15	6.7
4/5/04 16:00	21.21	109.957	-0.84	26.884	7.46	14.1	6.6
4/5/04 16:30	20.92	110.557	-0.94	26.893	7.46	23.3	7
4/5/04 17:00	20.89	110.77	-0.89	26.894	7.46	20.6	7
4/5/04 17:30	20.92	111.215	-0.88	26.88	7.46	24.8	6.8
4/5/04 18:00	21.45	111.369	-0.85	26.919	7.46	25	7.9
4/5/04 18:30	21.44	107.505	-1.02	26.917	7.46	23.8	7.9
4/5/04 19:00	21.95	106.76	-0.79	26.984	7.46	28.9	7.8
4/5/04 19:30	22.1	108.138	-0.86	26.966	7.46	36.6	6.5
4/5/04 20:00	22.34	107.885	-0.78	26.977	7.48	79.7	6.6
4/5/04 20:30	22.49	108.565	-0.64	26.956	7.49	66.3	6.5
4/5/04 21:00	22.53	107.131	-1.09	26.905	7.51	30	6.5
4/5/04 21:30	22.5	106.739	-1.07	26.947	7.52	21.6	6.6
4/5/04 22:00	21.94	107.736	-1.01	26.911	7.51	17.5	6.5
4/5/04 22:30	22.32	106.433	-0.6	26.916	7.51	12.9	6.7
4/5/04 23:00	21.55	107.826	-0.92	26.82	7.51	9.8	6.6
4/5/04 23:30	22.43	105.478	-0.93	26.824	7.51	6.3	6.5
4/6/04 0:00	21.06	108.29	-0.87	26.769	7.51	5.3	6.5
4/6/04 0:30	21.28	115.211	-0.84	26.625	7.51	3.6	6.5
4/6/04 1:00	22.14	116.437	-0.54	26.581	7.51	3.1	6.6
4/6/04 1:30	22.24	113.512	-0.54	26.599	7.51	3.2	6.5
4/6/04 2:00	22.28	113.849	-0.88	26.606	7.51	3.4	6.5
4/6/04 2:30	21.71	110.131	-0.77	26.713	7.51	3.3	6.5
4/6/04 3:00	22.08	108.618	-0.7	26.688	7.51	3.3	6.5
4/6/04 3:30	21.24	112.481	-0.9	26.66	7.51	2.9	6.5
4/6/04 4:00	22.35	107.31	-0.93	26.716	7.5	2.9	6.5
4/6/04 4:30	21.48	112.492	-0.37	26.708	7.5	3	6.6
4/6/04 5:00	21.05	110.177	-0.38	26.758	7.5	3.3	6.6
4/6/04 5:30	22.38	106.994	-0.72	26.885	7.51	3.3	6.5
4/6/04 6:00	22.38	110.917	-0.39	26.801	7.51	3.2	6.5
4/6/04 6:30	21.07	114.188	-0.41	26.782	7.51	3.5	6.4
4/6/04 7:00	22.1	110.301	-0.3	26.918	7.5	3.4	6.4
4/6/04 7:30	21.33	113.393	-0.53	26.873	7.52	3	6.4
4/6/04 8:00	21.03	112.717	-0.24	26.927	7.53	3.6	6.5
4/6/04 8:30	21.28	109.388	-2.41	27.018	7.52	2.9	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/6/04 9:00	22.1	108.721	-0.84	27.055	7.52	3.4	6.5
4/6/04 9:30	21.47	109.686	-0.64	26.978	7.52	2.7	6.4
4/6/04 10:00	21.4	106.803	-0.56	27.092	7.51	2.9	6.5
4/6/04 10:30	22.27	102.873	-0.48	27.142	7.51	3.5	6.5
4/6/04 11:00	21.28	101.739	-0.53	27.208	7.51	3.3	6.5
4/6/04 11:30	21.99	103.192	-0.49	27.178	7.51	3.2	6.4
4/6/04 12:00	22.47	102.363	-0.4	27.221	7.51	3.3	6.5
4/6/04 12:30	21.91	104.432	-0.38	27.085	7.52	4.2	6.5
4/6/04 13:00	20.99	105.781	-0.35	27.059	7.52	4.6	6.5
4/6/04 13:30	21.34	106.417	-0.41	27.081	7.51	6.3	6.5
4/6/04 14:00	21.12	105.986	-0.37	27.075	7.51	19.6	6.5
4/6/04 14:30	20.85	105.193	-0.33	27.044	7.52	22.5	6.7
4/6/04 15:00	22.27	102.147	-0.28	27.087	7.52	25.7	7.1
4/6/04 15:30	22.18	99.853	-0.29	27.083	7.51	31.2	6.7
4/6/04 16:00	20.88	103.227	-0.31	27.087	7.52	27.7	6.6
4/6/04 16:30	22.23	99.717	-0.3	27.167	7.52	45.4	6.8
4/6/04 17:00	21.84	98.192	-0.59	27.184	7.52	48.4	6.7
4/6/04 17:30	21.05	102.171	-0.36	27.093	7.52	23.6	6.7
4/6/04 18:00	21.72	97.459	-0.33	27.18	7.53	20	6.8
4/6/04 18:30	22.03	98.551	-0.32	27.124	7.53	23.5	6.7
4/6/04 19:00	20.81	99.207	-0.65	27.098	7.54	26.3	6.8
4/6/04 19:30	20.84	98.243	-0.41	27.104	7.53	12.3	7.1
4/6/04 20:00	21.69	96.97	-0.43	27.135	7.52	14.3	6.7
4/6/04 20:30	21.18	97.192	-0.41	27.11	7.53	11.6	6.9
4/6/04 21:00	21.02	99.336	-0.35	27.046	7.52	8.6	6.7
4/6/04 21:30	22.01	96.575	-0.43	27.079	7.52	4.3	6.7
4/6/04 22:00	21.29	98.049	-0.34	27.059	7.52	5.3	6.8
4/6/04 22:30	20.78	97.724	-0.39	26.988	7.52	4.9	6.7
4/6/04 23:00	21.47	97.157	-0.35	26.962	7.52	3.2	6.8
4/6/04 23:30	20.88	98.622	-0.38	26.902	7.51	3.5	6.7
4/7/04 0:00	21.06	96.141	-0.41	26.932	7.51	3.2	6.7
4/7/04 0:30	21.44	96.064	-0.31	26.89	7.51	3.2	6.7
4/7/04 1:00	21.04	95.559	-0.39	26.881	7.5	3.1	6.7
4/7/04 1:30	22.22	94.513	-0.44	26.889	7.5	3.2	6.7
4/7/04 2:00	21.85	95.691	-0.44	26.85	7.51	3.1	6.7
4/7/04 2:30	21.13	96.387	-0.39	26.816	7.53	3.5	6.7
4/7/04 3:00	22.16	86.448	-0.19	26.992	7.52	3.1	7.1
4/7/04 3:30	21.67	84.922	-0.2	27.02	7.52	3	6.8
4/7/04 4:00	22.33	90.372	-0.2	26.94	7.51	3	7
4/7/04 4:30	21.71	90.28	-0.2	26.958	7.5	3.1	6.8
4/7/04 5:00	21.49	84.01	-0.18	27.061	7.49	3	6.7
4/7/04 5:30	21.49	82.737	-0.21	27.122	7.49	2.9	6.8
4/7/04 6:00	22.03	81.799	-0.32	27.218	7.49	3.5	6.6
4/7/04 6:30	22.39	81.817	-0.33	27.266	7.49	3.2	6.7
4/7/04 7:00	22.42	81.736	-0.47	27.288	7.49	3.2	6.7
4/7/04 7:30	22.34	84.379	-0.38	27.292	7.49	3.1	6.7
4/7/04 8:00	21.13	84.94	-0.2	27.321	7.51	3.1	6.8
4/7/04 8:30	21.59	86.997	-0.19	27.346	7.52	3.2	6.7
4/7/04 9:00	22.25	86.115	-0.16	27.371	7.52	3.1	6.9
4/7/04 9:30	21.72	87.468	-0.14	27.38	7.52	3.1	7.3
4/7/04 10:00	22.11	82.802	-1.41	27.486	7.51	3	8
4/7/04 10:30	21.87	87.909	-0.39	27.442	7.51	3.3	9.2
4/7/04 11:00	21.44	85.86	-0.4	27.481	7.51	3.1	52.3
4/7/04 11:30	21.22	109.501	-0.23	27.083	7.52	3.2	6.7
4/7/04 12:00	21.99	82.106	-0.58	27.551	7.53	3.4	6.7
4/7/04 12:30	20.88	83.238	-0.43	27.5	7.53	5.5	6.7
4/7/04 13:00	22.11	83.126	-0.37	27.517	7.52	9.8	6.8
4/7/04 13:30	20.93	89.237	-0.41	27.386	7.52	15.9	7
4/7/04 14:00	21.66	84.72	-0.47	27.485	7.52	22.5	6.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/7/04 14:30	22.07	82.755	-0.39	27.513	7.52	27.9	6.8
4/7/04 15:00	21.25	83.378	-0.39	27.48	7.52	34.9	6.7
4/7/04 15:30	21.48	84.329	-0.4	27.468	7.52	40.9	7.6
4/7/04 16:00	22.12	83.524	-0.55	27.458	7.52	46.6	6.8
4/7/04 16:30	22.16	81.592	-0.47	27.459	7.53	49.5	6.8
4/7/04 17:00	22.13	82.296	-0.51	27.439	7.53	52.6	6.9
4/7/04 17:30	21.49	82.114	-0.68	27.445	7.53	55	6.7
4/7/04 18:00	21.91	80.447	-0.39	27.458	7.55	57.4	6.7
4/7/04 18:30	21.88	84.327	-0.47	27.374	7.54	56.7	6.7
4/7/04 19:00	22.36	81.811	-0.32	27.41	7.55	56.3	6.7
4/7/04 19:30	21.7	86.997	-1.96	27.298	7.56	56.4	6.7
4/7/04 20:00	22.5	82.141	-0.53	27.364	7.56	51.6	6.8
4/7/04 20:30	21.48	86.567	-0.87	27.251	7.56	36	6.7
4/7/04 21:00	21.79	108.769	-0.64	26.855	7.56	18.7	6.8
4/7/04 21:30	21.81	82.867	-0.26	27.259	7.55	15.9	6.8
4/7/04 22:00	22.2	82.463	-0.21	27.23	7.56	27.7	7.2
4/7/04 22:30	21.7	83.162	-0.26	27.182	7.56	21.5	6.9
4/7/04 23:00	21.74	86.343	-0.2	27.102	7.55	15.7	7
4/7/04 23:30	21.9	87.699	-0.25	27.04	7.55	10.6	7.2
4/8/04 0:00	21.63	82.711	-0.28	27.073	7.55	6.3	7.1
4/8/04 0:30	20.95	81.235	-0.19	27.053	7.55	3.7	6.9
4/8/04 1:00	21.97	85.24	-0.2	26.954	7.55	2.9	7
4/8/04 1:30	21.65	82.229	-0.16	26.979	7.55	3.1	7.2
4/8/04 2:00	22.07	108.33	-0.16	26.51	7.55	3.3	7.2
4/8/04 2:30	22.73	78.691	-2.65	26.979	7.54	3.1	1187.1
4/8/04 3:00	22.48	78.849	-2.59	26.991	7.54	2.9	710.5
4/8/04 3:30	22.01	84.716	-2.95	26.881	7.54	3	680
4/8/04 4:00	22.76	105.711	-2.67	26.54	7.53	3.2	6.6
4/8/04 4:30	22.24	77.2	-0.29	27.037	7.55	3	6.9
4/8/04 5:00	21.4	79.166	-0.29	27.025	7.54	3.1	6.7
4/8/04 5:30	21.75	79.541	-0.29	27.055	7.54	2.9	6.8
4/8/04 6:00	21.43	79.828	-0.22	27.088	7.54	3.2	6.7
4/8/04 6:30	22.28	78.764	-0.33	27.156	7.53	3	6.7
4/8/04 7:00	22.21	79.181	-0.24	27.186	7.52	2.7	6.8
4/8/04 7:30	21.95	79.434	-0.27	27.25	7.52	3.3	7
4/8/04 8:00	22.35	80.367	-0.2	27.294	7.54	3.1	7.4
4/8/04 8:30	21.86	107.304	-0.03	26.867	7.57	3.3	9.5
4/8/04 9:00	21.66	108.296	-0.15	26.909	7.56	3.3	7
4/8/04 9:30	22.3	107.176	-0.16	26.993	7.56	3.2	6.8
4/8/04 10:00	22.28	78.522	-0.16	27.517	7.55	3	6.9
4/8/04 10:30	21.62	77.468	-0.14	27.577	7.55	3.1	6.8
4/8/04 11:00	22.37	75.858	-2.69	27.634	7.55	3.1	952.5
4/8/04 11:30	22.36	78.706	-2.65	27.621	7.54	3.1	6.6
4/8/04 12:00	23.03	75.423	-2.73	27.695	7.55	3.5	1355.5
4/8/04 12:30	22.15	77.766	-2.74	27.677	7.56	6.5	463.1
4/8/04 13:00	22.35	107.785	-2.28	27.161	7.56	10.1	6.5
4/8/04 13:30	22.42	98.676	-0.3	27.343	7.55	17.1	6.9
4/8/04 14:00	22.66	74.443	-2.52	27.744	7.55	18.3	1389.3
4/8/04 14:30	23.11	70.722	-2.72	27.812	7.55	28.7	505.7
4/8/04 15:00	21.91	72.96	-1.69	27.761	7.56	38.4	6.5
4/8/04 15:30	22.7	73.693	-2.71	27.745	7.56	43.7	1650
4/8/04 16:00	22.02	73.119	-2.54	27.729	7.56	45	397.4
4/8/04 16:30	22.36	72.956	-2.49	27.718	7.56	51.8	6.7
4/8/04 17:00	22.76	72.42	-2.31	27.726	7.57	59.2	606
4/8/04 17:30	22.44	72.571	-1.68	27.709	7.57	55.7	7.2
4/8/04 18:00	21.89	72.402	-1.08	27.674	7.58	59.1	7.3
4/8/04 18:30	21.95	74.421	-0.67	27.632	7.58	57.8	7.3
4/8/04 19:00	22.09	72.318	-0.57	27.638	7.58	59.2	7.8
4/8/04 19:30	21.87	75.474	-0.57	27.56	7.59	54.1	7.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/8/04 20:00	21.92	73.653	-2.23	27.576	7.59	35.1	53
4/8/04 20:30	22.31	74.729	-0.88	27.53	7.59	43	6.5
4/8/04 21:00	21.33	73.076	-0.96	27.511	7.59	37.7	6.5
4/8/04 21:30	21.3	73.599	-0.66	27.497	7.59	23.5	6.5
4/8/04 22:00	21.7	73.632	-1.1	27.452	7.59	31.3	7.6
4/8/04 22:30	22.14	70.915	-2.69	27.482	7.59	18.5	525.3
4/8/04 23:00	22.82	71.902	-1.04	27.425	7.59	15.3	6.5
4/8/04 23:30	22.07	74.721	-0.2	27.316	7.58	9.6	6.8
4/9/04 0:00	23.36	68.999	-2.29	27.385	7.58	6.7	37.7
4/9/04 0:30	22.02	75.015	-0.59	27.232	7.58	3.6	6.6
4/9/04 1:00	22.37	73.997	-0.32	27.2	7.59	3.2	6.7
4/9/04 1:30	21.76	75.187	-0.18	27.129	7.59	3.2	6.7
4/9/04 2:00	22.75	73.376	-0.24	27.143	7.59	3.2	7.5
4/9/04 2:30	22.16	78.055	-0.16	27.027	7.6	2.9	7.3
4/9/04 3:00	22.87	75.721	-2.37	27.05	7.58	3.3	382.9
4/9/04 3:30	22.93	73.302	-1.35	27.056	7.6	3.3	8.2
4/9/04 4:00	23.05	75.986	-0.93	27.02	7.6	3.2	6.5
4/9/04 4:30	22.45	74.369	-0.16	27.04	7.59	2.4	7.5
4/9/04 5:00	22.58	75.574	-0.15	27.023	7.59	3.2	7.2
4/9/04 5:30	22.21	74.821	-0.29	27.055	7.58	3.2	7
4/9/04 6:00	23.06	72.67	-1.04	27.117	7.57	3.1	545
4/9/04 6:30	21.93	74.148	-1.24	27.121	7.56	3.3	6.7
4/9/04 7:00	21.63	75.174	-0.24	27.138	7.56	3.2	6.4
4/9/04 7:30	22.13	75.008	-0.06	27.201	7.55	3.2	7.1
4/9/04 8:00	21.45	74.67	-0.09	27.25	7.56	3.1	7.4
4/9/04 8:30	22.17	76.144	-0.03	27.282	7.55	3.2	7.5
4/9/04 9:00	22.34	74.765	-0.08	27.371	7.55	3.1	6.8
4/9/04 9:30	22.22	76.234	-0.02	27.41	7.56	3.2	7.5
4/9/04 10:00	22.23	75.255	-1.03	27.479	7.55	3.1	31.7
4/9/04 10:30	22.74	74.721	-0.17	27.554	7.55	3	6.8
4/9/04 11:00	22.2	74.215	-0.01	27.604	7.55	3.1	7.6
4/9/04 11:30	21.9	75.542	-1.32	27.625	7.56	3	357.6
4/9/04 12:00	22	76.035	-2.29	27.669	7.56	3.7	6.5
4/9/04 12:30	20.89	69.195	-3.38	27.805	7.55	6.8	7.9
4/9/04 13:00	21.36	78.962	-1.26	27.682	7.55	11.6	7
4/9/04 13:30	22.29	78.002	-0.8	27.717	7.55	19.4	7.6
4/9/04 14:00	22.14	75.021	-0.38	27.788	7.55	27.5	8.1
4/9/04 14:30	22.33	76.45	-0.29	27.789	7.55	36	7.3
4/9/04 15:00	22.43	76.455	-0.04	27.778	7.56	46.6	7.9
4/9/04 15:30	22.21	74.415	0.01	27.817	7.58	52.6	7.2
4/9/04 16:00	22.84	73.909	-1.75	27.822	7.58	57.8	548.3
4/9/04 16:30	21.86	76.905	-0.54	27.75	7.58	62.5	6.5
4/9/04 17:00	22.06	77.833	0.09	27.732	7.59	66.4	7.8
4/9/04 17:30	22.74	74.145	0.11	27.789	7.59	69.2	7.6
4/9/04 18:00	22.21	76.203	0.21	27.732	7.6	72.2	7.3
4/9/04 18:30	21.45	74.841	0.09	27.729	7.59	73.3	7.2
4/9/04 19:00	22.79	73.867	0.01	27.725	7.59	73.5	7.3
4/9/04 19:30	22.84	81.822	-2.21	27.58	7.6	72.4	287.4
4/9/04 20:00	22.67	81.662	-2.2	27.558	7.6	68.4	659.5
4/9/04 20:30	22.32	77.251	0.08	27.601	7.6	64.3	7.9
4/9/04 21:00	22.53	75.756	-0.05	27.608	7.61	56.4	7.8
4/9/04 21:30	22.98	75.747	-0.14	27.581	7.6	47.7	7.8
4/9/04 22:00	22.49	75.226	0.03	27.542	7.6	38.4	7.6
4/9/04 22:30	21.98	77.712	-0.03	27.465	7.59	28.7	8
4/9/04 23:00	22.62	78.575	-0.03	27.424	7.59	20.6	8.1
4/9/04 23:30	22.07	79.685	-0.53	27.357	7.59	13.7	7.6
4/10/04 0:00	22.98	73.693	-0.26	27.396	7.58	7.1	8
4/10/04 0:30	22.63	70.883	-0.18	27.403	7.58	4	8.4
4/10/04 1:00	21.83	75.682	-3.23	27.262	7.59	3.1	8.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/10/04 1:30	21.83	76.383	-2.16	27.211	7.58	3.2	7.3
4/10/04 2:00	22.11	74.847	-1.34	27.189	7.57	3.1	8.4
4/10/04 2:30	22.23	108.718	-0.45	26.585	7.58	3.5	7.6
4/10/04 3:00	21.07	102.577	-0.84	26.65	7.57	3.3	8.7
4/10/04 3:30	22.45	90.49	-0.22	26.835	7.58	3.4	8
4/10/04 4:00	22.16	77.384	-0.26	27.021	7.58	3.1	7
4/10/04 4:30	21.44	74.998	-0.42	27.031	7.57	3	6.7
4/10/04 5:00	21.95	73.276	-0.33	27.052	7.57	3.1	8.4
4/10/04 5:30	22.12	75.446	-0.32	27.019	7.56	3.2	7.8
4/10/04 6:00	21.47	76.827	-0.33	26.998	7.56	3	8.2
4/10/04 6:30	22.52	75.309	-0.38	27.036	7.56	3.1	8.2
4/10/04 7:00	21.62	75.066	-1.92	27.05	7.56	3	8.2
4/10/04 7:30	22.8	73.144	-0.63	27.124	7.55	3.3	8.1
4/10/04 8:00	21.41	76.411	-0.31	27.091	7.55	3	7.6
4/10/04 8:30	22.48	76.712	-0.27	27.14	7.54	3	6.7
4/10/04 9:00	22.31	75.728	-0.2	27.206	7.54	3.1	6.8
4/10/04 9:30	21.95	75.577	-0.18	27.253	7.56	3	6.5
4/10/04 10:00	22.4	74.112	-0.15	27.34	7.57	3	6.6
4/10/04 10:30	22.51	74.807	-0.11	27.386	7.57	3.1	6.5
4/10/04 11:00	21.73	75.055	-0.11	27.433	7.58	2.9	6.4
4/10/04 11:30	22.93	70.246	0.01	27.581	7.57	3.1	6.4
4/10/04 12:00	22.46	72.404	-0.11	27.596	7.57	3.9	6.4
4/10/04 12:30	21.5	71.675	-0.07	27.643	7.57	8.1	6.5
4/10/04 13:00	22.52	68.165	-0.06	27.744	7.58	14.9	6.5
4/10/04 13:30	21.7	73.395	-0.26	27.694	7.58	19.6	7.1
4/10/04 14:00	22.71	73.791	-0.02	27.722	7.58	30.1	6.6
4/10/04 14:30	22.45	66.127	0.1	27.863	7.58	38.1	6.6
4/10/04 15:00	22.27	69.401	0	27.824	7.58	45.9	6.6
4/10/04 15:30	22.29	74.483	0.03	27.747	7.58	53.2	6.6
4/10/04 16:00	21.4	73.936	0.03	27.76	7.58	54.3	6.5
4/10/04 16:30	21.94	73.328	0.04	27.768	7.59	59.8	6.7
4/10/04 17:00	21.37	70.373	0.1	27.811	7.59	76.4	6.9
4/10/04 17:30	22.65	69.193	0.31	27.822	7.6	69.4	6.9
4/10/04 18:00	21.57	71.241	0.33	27.77	7.61	72.1	6.8
4/10/04 18:30	21.54	73.2	0.2	27.719	7.6	52.5	6.7
4/10/04 19:00	22.03	72.41	0.26	27.726	7.61	55.3	6.5
4/10/04 19:30	22.43	73.588	0.05	27.679	7.6	38.4	6.5
4/10/04 20:00	23.1	72.501	0.07	27.683	7.6	41.2	6.5
4/10/04 20:30	22.72	72.418	0.19	27.662	7.61	43	7.3
4/10/04 21:00	22.86	71.881	0.1	27.647	7.6	41.3	6.5
4/10/04 21:30	22.15	77.4	-0.04	27.533	7.58	16.6	6.5
4/10/04 22:00	22.54	72.626	-0.08	27.587	7.58	10.7	6.5
4/10/04 22:30	22.04	72.585	0.03	27.554	7.58	8.1	6.5
4/10/04 23:00	22.87	70.866	0.03	27.552	7.57	6.9	6.6
4/10/04 23:30	22.42	74.452	-0.04	27.46	7.57	5.5	6.6
4/11/04 0:00	22.4	77.911	-0.22	27.372	7.57	4.1	6.5
4/11/04 0:30	22.93	75.532	-0.2	27.38	7.56	3.2	6.8
4/11/04 1:00	21.6	76.62	-0.24	27.32	7.57	3.1	6.5
4/11/04 1:30	22.11	75.443	-0.22	27.309	7.57	3.2	6.5
4/11/04 2:00	21.68	77.415	-0.3	27.219	7.56	3.2	6.8
4/11/04 2:30	22.73	73.854	-0.33	27.237	7.55	3	6.4
4/11/04 3:00	22.77	73.382	-0.26	27.199	7.55	3	6.5
4/11/04 3:30	22.36	77.246	-0.29	27.11	7.55	3.1	6.5
4/11/04 4:00	22.25	76.901	-0.15	27.08	7.55	3.2	6.7
4/11/04 4:30	23.05	78.166	-0.21	27.039	7.55	2.9	6.8
4/11/04 5:00	22.15	76.429	-0.06	27.032	7.55	3.1	7
4/11/04 5:30	21.69	76.487	-1.03	27.004	7.56	3	8.1
4/11/04 6:00	22.46	77.219	-1.73	26.984	7.55	3.2	167.2
4/11/04 6:30	22.46	80.574	-0.11	26.933	7.58	2.8	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/11/04 7:00	21.67	82.399	-0.1	26.886	7.57	3.1	7
4/11/04 7:30	21.75	79.934	-0.05	26.943	7.58	3.1	7.3
4/11/04 8:00	22.75	84.653	-0.1	26.884	7.57	3.2	6.8
4/11/04 8:30	21.86	81.143	-2.66	26.961	7.58	3.1	6.6
4/11/04 9:00	21.39	79.287	-1.17	27.045	7.57	3.1	6.5
4/11/04 9:30	22.9	75.772	-1.07	27.147	7.57	3.1	6.7
4/11/04 10:00	21.75	81.421	-0.56	27.104	7.57	3.2	6.7
4/11/04 10:30	21.93	79.095	-0.15	27.192	7.58	3.4	6.5
4/11/04 11:00	22.96	82.426	-0.11	27.229	7.58	2.9	6.8
4/11/04 11:30	23.24	77.182	-0.07	27.353	7.57	2.8	6.5
4/11/04 12:00	23.27	81.382	-0.17	27.346	7.56	3.2	6.5
4/11/04 12:30	22.39	78.412	-0.27	27.438	7.57	5.3	6.4
4/11/04 13:00	21.75	81.195	-0.19	27.436	7.57	4.9	6.7
4/11/04 13:30	22.19	87.544	-0.14	27.41	7.56	4.9	6.4
4/11/04 14:00	22.36	83.502	-0.15	27.5	7.56	6.1	7
4/11/04 14:30	21.98	84.826	0.02	27.526	7.57	13.8	6.8
4/11/04 15:00	21.84	84.352	-0.03	27.559	7.58	14.9	6.8
4/11/04 15:30	21.82	84.048	-0.14	27.577	7.58	21.1	6.4
4/11/04 16:00	22.05	84.758	0.01	27.595	7.58	24.5	6.5
4/11/04 16:30	21.75	83.227	0.14	27.619	7.58	47.5	34.1
4/11/04 17:00	21.88	84.973	0.12	27.59	7.58	27.3	28.2
4/11/04 17:30	22.03	83.391	0.01	27.664	7.58	14	7.5
4/11/04 18:00	22.79	83.121	0	27.653	7.57	5.2	7.2
4/11/04 18:30	22.08	89.323	0	27.502	7.57	4.7	6.8
4/11/04 19:00	22.13	85.319	0.01	27.579	7.56	6.3	7
4/11/04 19:30	21.4	78.523	0.1	27.688	7.56	4.5	31
4/11/04 20:00	21.77	86.137	0.01	27.499	7.55	3.6	7.3
4/11/04 20:30	22.46	82.286	-0.01	27.565	7.55	5.5	7.3
4/11/04 21:00	22.49	81.925	0.05	27.543	7.55	10	7.1
4/11/04 21:30	22.2	81.678	-0.02	27.53	7.55	10.3	7
4/11/04 22:00	21.69	112.634	0.05	26.972	7.55	8.7	27.1
4/11/04 22:30	21.73	79.105	-0.42	27.537	7.55	12.1	7.3
4/11/04 23:00	21.85	77.03	-0.05	27.562	7.55	16	7
4/11/04 23:30	21.72	79.077	-0.07	27.471	7.55	6.8	7.3
4/12/04 0:00	21.52	85.837	-0.05	27.34	7.58	5.7	6.9
4/12/04 0:30	22.98	76.498	-0.41	27.501	7.57	3.6	7.5
4/12/04 1:00	21.93	78.41	-0.28	27.414	7.58	3.1	7
4/12/04 1:30	22.93	75.864	-0.02	27.434	7.56	3.1	6.8
4/12/04 2:00	21.76	80.714	0.1	27.299	7.57	3.1	7.5
4/12/04 2:30	21.54	77.214	0.11	27.322	7.57	3.2	6.6
4/12/04 3:00	22.76	81.332	0.08	27.237	7.57	3.1	32.7
4/12/04 3:30	21.37	84.593	0.09	27.143	7.59	3.9	7.3
4/12/04 4:00	21.51	83.582	-0.03	27.102	7.58	3.7	15.8
4/12/04 4:30	21.76	80.441	0.08	27.092	7.57	3.4	6.5
4/12/04 5:00	21.78	84.802	0.14	27.018	7.58	2.9	7.9
4/12/04 5:30	21.36	86.205	0.1	26.937	7.58	3.3	7.6
4/12/04 6:00	22.29	81.924	0.02	27.001	7.58	2.8	6.4
4/12/04 6:30	22.93	74.194	0.05	27.114	7.58	3	6.5
4/12/04 7:00	21.81	77.199	0.02	27.039	7.57	2.8	6.7
4/12/04 7:30	22.25	76.45	0.18	27.035	7.59	2.9	6.6
4/12/04 8:00	23.03	75.678	0.14	27.031	7.59	2.8	6.7
4/12/04 8:30	22.42	76.726	-0.63	27.065	7.6	3.5	7.9
4/12/04 9:00	21.69	81.459	-0.1	26.992	7.6	3.4	6.8
4/12/04 9:30	23.11	75.523	-0.41	27.113	7.58	2.6	8.1
4/12/04 10:00	22.55	77.526	-0.43	27.111	7.58	2.8	7.1
4/12/04 10:30	21.23	79.769	0.08	27.102	7.58	3	7
4/12/04 11:00	22.49	77.787	-0.53	27.203	7.57	3	6.4
4/12/04 11:30	22.57	76.627	-0.71	27.278	7.58	3.1	7
4/12/04 12:00	22.35	71.378	-0.83	27.403	7.57	3.3	376

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/12/04 12:30	22.97	75.54	-1.06	27.408	7.57	4.4	6.8
4/12/04 13:00	22.48	71.726	0	27.53	7.56	5.6	6.4
4/12/04 13:30	21.44	73.977	0.07	27.515	7.56	7.8	6.5
4/12/04 14:00	22.57	78.035	-0.02	27.505	7.57	7.9	6.4
4/12/04 14:30	22.01	75.743	0.04	27.602	7.58	10.3	6.7
4/12/04 15:00	21.87	76.13	0.06	27.624	7.58	15.6	6.6
4/12/04 15:30	21.41	76.281	-0.05	27.626	7.58	10.4	6.6
4/12/04 16:00	21.4	76.896	0.03	27.658	7.58	7	6.5
4/12/04 16:30	22.96	74.197	0.05	27.74	7.57	19.5	6.5
4/12/04 17:00	23.1	69.911	0.09	27.826	7.57	25.7	6.6
4/12/04 17:30	21.34	74.867	0.14	27.75	7.57	12.1	6.5
4/12/04 18:00	22.71	73.77	-0.12	27.747	7.57	5.6	6.7
4/12/04 18:30	22.51	71.123	-0.06	27.807	7.57	11.1	6.7
4/12/04 19:00	22.11	76.663	-0.12	27.694	7.58	14.2	6.6
4/12/04 19:30	22.23	77.527	0.07	27.666	7.58	11.2	6.6
4/12/04 20:00	21.66	73.902	0	27.726	7.59	30.1	6.5
4/12/04 20:30	21.88	72.355	0.03	27.73	7.59	17.9	6.7
4/12/04 21:00	23.11	74.233	0.03	27.695	7.59	8.8	6.7
4/12/04 21:30	22.87	72.315	-0.05	27.703	7.59	10.8	393.4
4/12/04 22:00	22.3	74.627	-0.07	27.638	7.6	6.6	6.2
4/12/04 22:30	23.69	73.385	-0.12	27.658	7.64	6.9	6.5
4/12/04 23:00	22.23	73.582	-0.07	27.615	7.65	4.6	6.7
4/12/04 23:30	23.14	73.679	-0.01	27.61	7.64	4.4	6.4
4/13/04 0:00	22.55	77.049	0.13	27.543	7.65	4.7	6.3
4/13/04 0:30	22.68	75.142	0.18	27.505	7.65	3.3	6.3
4/13/04 1:00	21.93	78.249	0.18	27.485	7.65	3.3	6.2
4/13/04 1:30	23.45	75.506	0.08	27.545	7.64	3.1	10.9
4/13/04 2:00	23.45	74.17	0.16	27.494	7.64	3	6.3
4/13/04 2:30	24.12	73.868	0	27.538	7.64	3	497.5
4/13/04 3:00	22.15	76.781	0.06	27.423	7.64	3.2	6.2
4/13/04 3:30	22.3	76.958	-0.39	27.386	7.64	3.2	539.3
4/13/04 4:00	22.14	77.485	0.08	27.307	7.64	3.1	6.4
4/13/04 4:30	22.1	76.863	-0.01	27.331	7.64	3.3	577.2
4/13/04 5:00	22.4	76.252	0.11	27.291	7.64	3.1	6.2
4/13/04 5:30	23.08	78.356	-0.07	27.146	7.64	3	455.3
4/13/04 6:00	22.07	74.81	0.07	27.16	7.64	3.1	7.6
4/13/04 6:30	21.31	75.961	0.2	27.185	7.64	3.3	177.6
4/13/04 7:00	21.77	77.254	0.25	27.178	7.64	3	21.4
4/13/04 7:30	22.01	74.844	0.25	27.155	7.65	3	6.2
4/13/04 8:00	21.35	76.4	0.19	27.14	7.65	3.2	6.2
4/13/04 8:30	23.08	80.027	0.18	27.042	7.65	3	6.3
4/13/04 9:00	22.14	75.224	0.18	27.112	7.66	3	6.4
4/13/04 9:30	22.07	77.037	0.28	27.053	7.67	3.1	6.3
4/13/04 10:00	22.57	77.397	0.24	27.07	7.67	3	6.2
4/13/04 10:30	23.01	72.733	0.27	27.188	7.67	3	6.2
4/13/04 11:00	22.52	75.773	0.24	27.166	7.67	3	6.3
4/13/04 11:30	23.01	72.607	-0.04	27.257	7.67	2.4	776.2
4/13/04 12:00	22.75	75.904	0.15	27.24	7.67	3.6	6.3
4/13/04 12:30	21.46	76.051	0.21	27.26	7.68	6.3	6.7
4/13/04 13:00	23.06	86.119	0.01	27.141	7.67	9.8	209.6
4/13/04 13:30	21.37	72.381	0.27	27.394	7.68	16.9	6.4
4/13/04 14:00	23.1	71.054	-0.31	27.493	7.68	22.1	1134.9
4/13/04 14:30	23.1	70.583	0.16	27.538	7.68	30.6	6.4
4/13/04 15:00	23.04	73.572	0.27	27.542	7.68	14	6.5
4/13/04 15:30	22.23	74.676	0.33	27.575	7.69	43.6	6.4
4/13/04 16:00	23.01	75.236	0.31	27.598	7.7	45.8	6.5
4/13/04 16:30	21.54	97.392	0.21	27.215	7.7	50.5	6.4
4/13/04 17:00	22.17	107.404	0.27	27.068	7.71	58.9	6.5
4/13/04 17:30	21.55	107.302	0.17	27.098	7.71	56	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/13/04 18:00	21.83	71.61	0.12	27.688	7.71	55.4	6.5
4/13/04 18:30	21.57	78.125	0.29	27.612	7.71	55.3	6.5
4/13/04 19:00	22.68	76.89	0.3	27.614	7.72	53.8	6.5
4/13/04 19:30	22.19	77.932	-0.34	27.619	7.72	50.2	200.1
4/13/04 20:00	22.89	105.839	-0.26	27.121	7.72	45.7	1531.1
4/13/04 20:30	21.74	73.885	-0.66	27.637	7.73	41.5	6.4
4/13/04 21:00	22.37	74.587	-0.64	27.615	7.77	36.7	6.5
4/13/04 21:30	21.99	75.33	-0.19	27.603	7.75	32	6.8
4/13/04 22:00	23.02	77.046	-0.12	27.551	7.74	25.2	6.6
4/13/04 22:30	22.24	74.815	-0.24	27.56	7.74	20	2495.1
4/13/04 23:00	23.55	71.313	-0.45	27.611	7.74	14.6	6.5
4/13/04 23:30	22.32	76.619	-0.37	27.492	7.75	9.9	6.7
4/14/04 0:00	21.94	81.436	-0.53	27.401	7.75	6.5	7.2
4/14/04 0:30	21.91	79.548	-0.01	27.416	7.75	3.9	8.9
4/14/04 1:00	22.53	76.602	-0.09	27.48	7.74	3.1	52
4/14/04 1:30	22.4	77.663	-0.08	27.43	7.74	3.1	374
4/14/04 2:00	22.19	76.94	-0.04	27.428	7.74	3.3	6.2
4/14/04 2:30	22.46	79.718	0.14	27.362	7.74	3	8.4
4/14/04 3:00	22.15	81.971	0.12	27.335	7.73	3.1	7.1
4/14/04 3:30	23.45	76.697	0.19	27.419	7.73	3.1	6.8
4/14/04 4:00	23.35	78.529	0.11	27.36	7.73	3	9.4
4/14/04 4:30	23.04	79.572	-1.7	27.314	7.73	3.2	345.3
4/14/04 5:00	22.33	79.459	-0.99	27.287	7.73	3.1	1420.7
4/14/04 5:30	23.59	75.829	-0.44	27.32	7.72	3.1	6.4
4/14/04 6:00	22.62	80.602	-0.31	27.215	7.72	3.1	123
4/14/04 6:30	22.69	79.39	0.02	27.195	7.72	2.9	6.8
4/14/04 7:00	22.5	83.947	-0.04	27.081	7.71	3.1	860.5
4/14/04 7:30	23.74	78.009	0.04	27.158	7.71	3	6.2
4/14/04 8:00	23.42	76.313	0.1	27.157	7.71	3	17.6
4/14/04 8:30	22.35	79.051	0.15	27.077	7.71	3	8.1
4/14/04 9:00	23.47	78.328	0.11	27.086	7.7	3	7.3
4/14/04 9:30	22.08	80.195	0.26	27.023	7.7	3	7.3
4/14/04 10:00	21.67	78.006	0.15	27.051	7.7	3.1	7.5
4/14/04 10:30	21.82	78.286	0.22	27.062	7.69	3.3	7
4/14/04 11:00	22.52	79.288	0.19	27.059	7.69	3.1	7
4/14/04 11:30	21.56	74.937	0.18	27.127	7.69	3.2	7.4
4/14/04 12:00	22	75.548	0.2	27.142	7.7	4.1	7.6
4/14/04 12:30	21.51	74.118	0.16	27.201	7.69	6.4	8
4/14/04 13:00	21.51	74.088	0.22	27.227	7.7	12.6	7.9
4/14/04 13:30	23.78	70.484	0.03	27.351	7.69	18.4	1489.1
4/14/04 14:00	21.92	75.564	0.21	27.303	7.7	25.1	6.4
4/14/04 14:30	21.57	72.409	0.25	27.382	7.71	26.8	7.3
4/14/04 15:00	21.59	76.452	0.28	27.368	7.71	38.1	7
4/14/04 15:30	22.95	72.162	0.33	27.491	7.71	45.1	6.7
4/14/04 16:00	22.25	71.947	0.27	27.529	7.72	49.6	534.7
4/14/04 16:30	23.1	71.941	0.3	27.577	7.72	55.3	6.9
4/14/04 17:00	22.45	72.245	0.27	27.592	7.72	58.5	6.7
4/14/04 17:30	22.35	72.091	0.31	27.611	7.72	60.9	6.9
4/14/04 18:00	21.48	75.486	0.28	27.568	7.73	61.5	6.9
4/14/04 18:30	22.01	74.472	0.25	27.588	7.74	61.4	6.8
4/14/04 19:00	23.01	72.388	0.26	27.645	7.73	59.7	6.8
4/14/04 19:30	22.47	73.679	0.32	27.626	7.75	57.2	6.7
4/14/04 20:00	21.86	73.353	0.35	27.62	7.77	53.3	6.7
4/14/04 20:30	21.67	76.101	0.33	27.556	7.76	46.7	6.9
4/14/04 21:00	22.97	71.739	0.3	27.628	7.75	38.7	7.2
4/14/04 21:30	23.39	71.462	0.18	27.62	7.75	34.6	380.6
4/14/04 22:00	23.08	70.83	0.16	27.627	7.75	27	1700.9
4/14/04 22:30	23.72	68.725	0.26	27.638	7.74	22.1	6.4
4/14/04 23:00	23.86	73.772	0.01	27.56	7.73	16	537.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/14/04 23:30	22.59	73.277	0.2	27.552	7.74	11.1	6.3
4/15/04 0:00	22.16	74.497	-0.29	27.506	7.74	7	668.3
4/15/04 0:30	22.08	72.947	-0.21	27.536	7.74	4.2	6.2
4/15/04 1:00	22.49	76.031	-0.46	27.483	7.74	3.1	462.5
4/15/04 1:30	21.75	74.958	-0.24	27.499	7.74	3.2	6.8
4/15/04 2:00	23.26	72.474	-0.21	27.543	7.74	2.9	356.1
4/15/04 2:30	22.07	76.285	-0.31	27.481	7.74	3.3	6.7
4/15/04 3:00	22.01	75.342	-0.61	27.487	7.74	3.1	1555.2
4/15/04 3:30	22.48	73.665	-0.4	27.52	7.74	2.9	6.2
4/15/04 4:00	22.58	72.668	-0.49	27.514	7.75	3.2	1770.8
4/15/04 4:30	21.97	74.857	-0.35	27.459	7.75	3.2	6.2
4/15/04 5:00	22.94	72.668	-0.38	27.501	7.74	3.2	1560.7
4/15/04 5:30	22.8	74.129	-0.22	27.457	7.74	2.8	6.1
4/15/04 6:00	24.04	73.408	-0.32	27.452	7.73	3	329.9
4/15/04 6:30	21.77	76.763	0	27.356	7.74	3.3	7.6
4/15/04 7:00	21.98	76.431	-0.13	27.332	7.73	3.3	48.8
4/15/04 7:30	22.67	76.222	0.16	27.321	7.73	3	7.2
4/15/04 8:00	21.69	76.462	0.18	27.275	7.73	3.2	7.8
4/15/04 8:30	21.6	76.636	-0.24	27.254	7.73	3.3	8.7
4/15/04 9:00	22.82	72.337	0.08	27.311	7.72	3.1	7.2
4/15/04 9:30	22.34	73.894	0.21	27.266	7.72	3	7.3
4/15/04 10:00	21.5	75.723	0.18	27.194	7.72	3.2	7
4/15/04 10:30	22.86	72.792	0.14	27.246	7.71	3	6.4
4/15/04 11:00	21.67	72.15	-0.12	27.241	7.71	3.2	6.6
4/15/04 11:30	21.12	73.033	0.01	27.224	7.71	3.2	6.4
4/15/04 12:00	22.92	69.748	0.11	27.304	7.7	3.9	6.4
4/15/04 12:30	21.99	71.977	0.1	27.274	7.69	6.3	6.4
4/15/04 13:00	22.83	71.55	0.13	27.299	7.71	11.1	6.4
4/15/04 13:30	22.34	71.587	0.19	27.326	7.7	17.2	6.4
4/15/04 14:00	22.66	72.041	0.24	27.342	7.71	23.1	6.4
4/15/04 14:30	21.15	74.261	0.24	27.33	7.71	31.7	6.4
4/15/04 15:00	21.47	71.225	0.25	27.422	7.72	38.2	6.3
4/15/04 15:30	22.4	70.759	0.23	27.453	7.73	39.4	6.4
4/15/04 16:00	23.14	71.822	0.32	27.492	7.74	52.2	6.3
4/15/04 16:30	23.23	73.006	0.44	27.507	7.75	38.5	6.4
4/15/04 17:00	21.32	73.335	0.47	27.501	7.76	38.5	6.5
4/15/04 17:30	21.35	75.587	0.4	27.495	7.76	54.8	6.4
4/15/04 18:00	21.41	73.899	0.34	27.542	7.76	48	6.4
4/15/04 18:30	22.21	70.727	0.54	27.604	7.77	56.2	6.5
4/15/04 19:00	21.36	73.557	0.36	27.569	7.77	68.7	6.4
4/15/04 19:30	22.34	71.007	0.37	27.615	7.78	67.8	6.4
4/15/04 20:00	21.26	71.995	0.47	27.589	7.78	39.6	6.4
4/15/04 20:30	22.21	71.813	0.41	27.59	7.79	56	6.5
4/15/04 21:00	22.02	72.747	0.44	27.563	7.8	44.3	6.4
4/15/04 21:30	21.3	71.924	0.41	27.566	7.8	36.9	6.4
4/15/04 22:00	21.78	66.18	0.32	27.647	7.79	30.4	6.4
4/15/04 22:30	22.26	70.581	0.32	27.586	7.78	22.9	6.4
4/15/04 23:00	23.19	68.615	0.31	27.618	7.77	16.3	6.5
4/15/04 23:30	21.6	73.685	0.25	27.516	7.77	12.3	7.2
4/16/04 0:00	22.43	70.002	0.25	27.576	7.76	6.6	6.6
4/16/04 0:30	22.27	72.987	0.26	27.521	7.76	3.6	6.5
4/16/04 1:00	21.18	72.571	0.24	27.525	7.76	3.2	6.5
4/16/04 1:30	21.35	78.743	0.26	27.43	7.76	3.2	6.8
4/16/04 2:00	22.19	73.477	0.21	27.525	7.75	2.8	7
4/16/04 2:30	22.16	74.355	0.17	27.523	7.74	2.8	7.2
4/16/04 3:00	22.83	74.019	0.2	27.537	7.77	2.9	7.9
4/16/04 3:30	21.4	78.458	0.21	27.469	7.78	3.4	8.1
4/16/04 4:00	22.26	76.306	0.23	27.518	7.78	3.2	7.5
4/16/04 4:30	21.2	76.352	0.25	27.513	7.78	3.3	7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/16/04 5:00	22	76.786	0.22	27.511	7.77	2.9	7.5
4/16/04 5:30	23.12	74.356	0.22	27.557	7.77	2.9	7.2
4/16/04 6:00	21.37	77.183	0.29	27.489	7.77	3.3	7.5
4/16/04 6:30	21.55	75.949	0.2	27.496	7.77	3.6	615.7
4/16/04 7:00	23.39	70.177	0.2	27.597	7.75	2.6	6.2
4/16/04 7:30	23.02	73.455	0	27.529	7.76	2.9	7.3
4/16/04 8:00	21.94	75.205	0.15	27.467	7.76	2.5	8.3
4/16/04 8:30	22.03	75.142	0.26	27.448	7.75	3	9.4
4/16/04 9:00	23.25	73.333	0.15	27.47	7.75	2.8	7.6
4/16/04 9:30	21.73	74.751	0.21	27.411	7.75	3	6.3
4/16/04 10:00	22.89	70.301	0.21	27.479	7.74	2.7	6.9
4/16/04 10:30	22.93	70.092	0.23	27.454	7.74	2.7	6.6
4/16/04 11:00	22.77	70.997	0.17	27.445	7.74	2.6	732.7
4/16/04 11:30	23.63	67.997	0.17	27.484	7.74	3	6.7
4/16/04 12:00	23.5	70.444	0.16	27.435	7.73	3.5	8.6
4/16/04 12:30	23.45	69.483	0.16	27.454	7.74	4.5	8.2
4/16/04 13:00	22.86	71.066	0.25	27.426	7.74	8.9	6.3
4/16/04 13:30	23.52	70.345	0.18	27.452	7.74	11.3	8.8
4/16/04 14:00	21.67	109.75	0.24	26.778	7.75	27.6	6.4
4/16/04 14:30	23.78	65.799	0.22	27.553	7.75	20.2	1337.2
4/16/04 15:00	21.21	69.941	0.28	27.484	7.77	44.1	6.3
4/16/04 15:30	22.85	67.885	0.21	27.553	7.76	32.4	618.2
4/16/04 16:00	22.2	68.494	0.31	27.561	7.77	53.6	6.4
4/16/04 16:30	23.52	67.992	0.28	27.601	7.78	58	142
4/16/04 17:00	23.39	67.6	0.27	27.632	7.77	61.4	11.1
4/16/04 17:30	21.99	69.307	0.3	27.61	7.77	70.2	6.5
4/16/04 18:00	22.77	66.308	0.24	27.677	7.78	74.4	204.2
4/16/04 18:30	23.04	66.753	0.18	27.673	7.77	37.7	6.4
4/16/04 19:00	22.46	66.838	0.22	27.675	7.8	69.6	1973.8
4/16/04 19:30	22.64	67.399	-0.09	27.664	7.81	71.3	6.4
4/16/04 20:00	22.25	67.344	0.06	27.659	7.81	33.8	1252.8
4/16/04 20:30	21.24	69.922	-0.03	27.611	7.81	53.9	6.4
4/16/04 21:00	22.04	69.011	-0.15	27.614	7.81	46.2	6.5
4/16/04 21:30	21.94	68.888	-0.04	27.601	7.8	40.6	8.1
4/16/04 22:00	22.09	69.314	0.09	27.58	7.79	26.7	6.7
4/16/04 22:30	23.85	66.585	0.16	27.634	7.78	21.4	112.9
4/16/04 23:00	22.81	66.696	0.24	27.617	7.78	15	6.5
4/16/04 23:30	22.84	69.165	0.3	27.56	7.77	9.1	7.5
4/17/04 0:00	22.89	68.048	-0.1	27.583	7.78	6.7	54.8
4/17/04 0:30	22.68	67.546	0.13	27.582	7.77	3.6	1519.1
4/17/04 1:00	23.3	70.208	0.25	27.54	7.76	2.5	6.4
4/17/04 1:30	22.37	72.297	-0.31	27.518	7.78	3.1	8.2
4/17/04 2:00	21.48	72.672	0.04	27.508	7.79	4.1	6.4
4/17/04 2:30	22.69	73.122	-0.07	27.514	7.78	3	7.3
4/17/04 3:00	22.31	69.581	-0.05	27.583	7.79	2.8	6.5
4/17/04 3:30	22.59	72.229	-0.28	27.552	7.8	3.3	1616.6
4/17/04 4:00	21.71	73.642	0.05	27.542	7.8	3.8	6.1
4/17/04 4:30	23.01	68.94	-0.29	27.646	7.8	2.6	864.9
4/17/04 5:00	23.57	74.556	-0.07	27.573	7.8	3	6.2
4/17/04 5:30	22.02	72.992	-0.11	27.606	7.8	3.3	527.8
4/17/04 6:00	23.11	72.533	0.06	27.62	7.79	2.1	6.4
4/17/04 6:30	23.6	70.364	-0.06	27.665	7.79	2.7	6.5
4/17/04 7:00	22.24	75.954	-0.19	27.558	7.8	4	500.2
4/17/04 7:30	23.7	75.612	-0.01	27.575	7.79	3.2	6.7
4/17/04 8:00	22.18	75.317	-0.04	27.555	7.79	4.3	1153.7
4/17/04 8:30	23.83	73.426	-0.02	27.591	7.78	2.9	6.3
4/17/04 9:00	22.79	76.689	-0.2	27.519	7.78	2.9	481.6
4/17/04 9:30	21.87	73.719	0.02	27.549	7.78	4.4	6.1
4/17/04 10:00	24.22	69.647	-0.05	27.601	7.76	2.5	7.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/17/04 10:30	22.14	77.608	-0.05	27.447	7.77	3.6	413
4/17/04 11:00	22.73	73.753	0.15	27.489	7.77	3.3	6.4
4/17/04 11:30	23.79	70.51	-0.17	27.531	7.76	2.9	2186
4/17/04 12:00	22.9	73.042	-0.09	27.483	7.77	4.3	544.6
4/17/04 12:30	23.22	73.07	0.07	27.476	7.77	8.2	628.7
4/17/04 13:00	24.12	69.809	0.03	27.525	7.77	14.6	912.1
4/17/04 13:30	24.02	68.36	0.14	27.552	7.77	15.2	6.2
4/17/04 14:00	22.39	73.251	0.03	27.464	7.78	31.4	369.9
4/17/04 14:30	24.13	70.094	0.17	27.525	7.78	40.3	6.4
4/17/04 15:00	23.16	73.563	0.16	27.465	7.78	22.3	1095.3
4/17/04 15:30	22.04	75.287	0.29	27.437	7.79	55.7	6.2
4/17/04 16:00	23.84	71.096	0.38	27.522	7.8	62.6	6.6
4/17/04 16:30	24.24	68.091	0.03	27.603	7.78	65.6	1489.5
4/17/04 17:00	21.93	72.053	0.28	27.534	7.8	71.5	6.3
4/17/04 17:30	21.53	75.181	0.46	27.473	7.8	70.1	6.8
4/17/04 18:00	24.18	68.059	0.18	27.621	7.79	69.8	193.7
4/17/04 18:30	22.51	71.777	0.4	27.56	7.8	72.6	6.4
4/17/04 19:00	23.83	66.953	0.11	27.64	7.8	56.5	176.6
4/17/04 19:30	23.61	69.602	-0.25	27.592	7.81	70	169.4
4/17/04 20:00	22.3	69.964	0.28	27.583	7.8	24.1	390.8
4/17/04 20:30	22.95	71.777	0.32	27.534	7.81	55.8	997.4
4/17/04 21:00	24.07	68.073	0.23	27.594	7.82	53.2	666
4/17/04 21:30	23.44	68.474	0.36	27.564	7.81	21.8	6.7
4/17/04 22:00	24.27	68.937	0.13	27.545	7.8	36.7	9.6
4/17/04 22:30	23.04	69.981	0.17	27.503	7.79	14.5	881.1
4/17/04 23:00	22.33	72.352	-0.07	27.437	7.81	14.5	530.2
4/17/04 23:30	23.95	70.658	0.28	27.467	7.8	10.4	6.5
4/18/04 0:00	23.24	69.542	0.37	27.469	7.8	7.4	8.1
4/18/04 0:30	21.86	69.839	0.35	27.436	7.8	4.1	7.2
4/18/04 1:00	24.45	69.577	-0.43	27.479	7.81	3	1525.8
4/18/04 1:30	22.76	73.498	0.21	27.4	7.8	3.1	6.3
4/18/04 2:00	23.89	74.468	0.3	27.413	7.81	3.1	7
4/18/04 2:30	23.79	73.324	0.29	27.435	7.81	3.3	9.4
4/18/04 3:00	23.13	74.243	-0.01	27.443	7.81	3.1	9.2
4/18/04 3:30	22.61	74.925	0.31	27.433	7.81	3.2	6.6
4/18/04 4:00	23.89	72.811	0.16	27.502	7.82	3.1	7.5
4/18/04 4:30	22.65	76.029	0.31	27.474	7.83	3.3	6.8
4/18/04 5:00	22.74	77.548	0.32	27.47	7.84	3.1	7.2
4/18/04 5:30	22.73	73.76	0.38	27.554	7.84	3.3	7.8
4/18/04 6:00	22.32	73.572	0.3	27.581	7.85	3.3	31.8
4/18/04 6:30	24.2	74.574	0.19	27.607	7.84	3.1	194.1
4/18/04 7:00	24.06	68.734	0.26	27.687	7.84	3.2	7
4/18/04 7:30	22.25	70.823	0.38	27.665	7.85	3.3	7
4/18/04 8:00	22.57	68.549	0.36	27.712	7.84	3	6.5
4/18/04 8:30	22.15	68.714	0.07	27.701	7.84	3.1	12.5
4/18/04 9:00	23.09	69.112	-0.23	27.699	7.83	2.9	531
4/18/04 9:30	22.6	70.959	0.3	27.66	7.83	3.1	7.6
4/18/04 10:00	21.79	71.777	0.35	27.604	7.82	3.2	7.2
4/18/04 10:30	23.32	70.488	0.31	27.646	7.82	3.2	7
4/18/04 11:00	21.53	69.739	0.25	27.647	7.82	3.3	6.8
4/18/04 11:30	23.75	64.622	0.34	27.738	7.8	3.1	7.1
4/18/04 12:00	22.54	66.459	0.35	27.656	7.8	4.3	7.1
4/18/04 12:30	22.43	68.429	0.36	27.608	7.8	9.2	6.9
4/18/04 13:00	23.38	64.196	0.39	27.707	7.79	14.8	7.2
4/18/04 13:30	23.68	64.692	0.26	27.66	7.79	11.2	6.8
4/18/04 14:00	23.75	63.249	0.3	27.703	7.79	20.4	8.6
4/18/04 14:30	21.81	65.184	0.31	27.646	7.8	44	7.7
4/18/04 15:00	21.26	65.006	0.45	27.636	7.8	43.8	8.1
4/18/04 15:30	21.98	65.196	0.18	27.64	7.8	51.6	10.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/18/04 16:00	22.11	92.965	0.32	27.187	7.81	33.4	34.1
4/18/04 16:30	22.54	68.332	0.52	27.599	7.81	62	7
4/18/04 17:00	22.45	61.23	0.31	27.706	7.81	66.1	31.1
4/18/04 17:30	22.52	64.003	0.33	27.686	7.82	41.9	8.6
4/18/04 18:00	21.58	67.64	0.53	27.588	7.83	72.1	8.3
4/18/04 18:30	22.09	63.221	0.39	27.683	7.83	39.7	7.3
4/18/04 19:00	22.95	59.436	0.28	27.743	7.84	67.8	38.5
4/18/04 19:30	22.14	63.13	0.46	27.687	7.85	64.5	9.2
4/18/04 20:00	22.05	105.481	0.3	26.942	7.84	59.5	8.8
4/18/04 20:30	24.32	59.447	0.44	27.732	7.85	54.3	12.5
4/18/04 21:00	22.49	63.155	0.44	27.619	7.86	47.5	7.6
4/18/04 21:30	23.37	60.836	0.49	27.659	7.85	39.3	7
4/18/04 22:00	24.17	61.326	0.41	27.654	7.85	31.7	18.2
4/18/04 22:30	23.55	63.374	0.18	27.56	7.84	25.4	6.6
4/18/04 23:00	23.25	60.876	0.5	27.588	7.84	24.8	7.9
4/18/04 23:30	22.96	63.995	0.47	27.545	7.84	8.9	7.5
4/19/04 0:00	22.27	64.81	0.4	27.5	7.84	5.4	8.1
4/19/04 0:30	21.72	60.831	0.43	27.544	7.84	3.9	74.6
4/19/04 1:00	22.41	66.866	0.48	27.459	7.84	2.8	11.8
4/19/04 1:30	23.89	66.544	0.39	27.469	7.83	3.1	54.4
4/19/04 2:00	21.75	69.085	0.39	27.402	7.84	3.2	158
4/19/04 2:30	23.25	65.694	0.37	27.499	7.84	2.9	7.2
4/19/04 3:00	23.47	66.849	0.32	27.51	7.83	3	8.5
4/19/04 3:30	21.31	70.751	0.34	27.429	7.85	3	6.8
4/19/04 4:00	23.65	70.031	0.36	27.469	7.85	3	7.8
4/19/04 4:30	22.3	69.505	0.32	27.551	7.86	3	8
4/19/04 5:00	24.13	66.428	0.23	27.63	7.85	3	359.4
4/19/04 5:30	23.01	70.468	0.25	27.603	7.87	3.3	6.3
4/19/04 6:00	21.95	70.531	0.36	27.577	7.88	3.1	7.9
4/19/04 6:30	23.59	66.69	0.36	27.679	7.88	3	7.2
4/19/04 7:00	22.01	72.881	0.27	27.637	7.89	3.2	67.7
4/19/04 7:30	23.63	71.246	0.3	27.714	7.88	3	7.1
4/19/04 8:00	22.55	73.044	0.35	27.698	7.89	3.2	6.9
4/19/04 8:30	21.42	69.418	0.32	27.766	7.89	3	217
4/19/04 9:00	22.05	72.192	0.19	27.701	7.88	3.2	15.9
4/19/04 9:30	24	69.573	0.36	27.834	7.87	3	1224.5
4/19/04 10:00	21.4	74.818	0.46	27.672	7.87	3.1	6.4
4/19/04 10:30	22.44	69.644	0.46	27.781	7.86	3	15.3
4/19/04 11:00	22.45	66.268	0.51	27.845	7.86	3.1	7.8
4/19/04 11:30	22.68	73.38	0.1	27.724	7.85	3.3	378.8
4/19/04 12:00	22.7	99.148	0	27.235	7.85	4.3	6.4
4/19/04 12:30	21.43	99.05	0.28	27.253	7.86	7.2	6.6
4/19/04 13:00	22.63	93.234	0.26	27.315	7.86	8.8	63.5
4/19/04 13:30	22.2	92.468	-0.01	27.304	7.86	21	38.3
4/19/04 14:00	21.56	88.055	0.23	27.393	7.87	30	7
4/19/04 14:30	21.83	85.021	-0.2	27.479	7.86	23.2	598.2
4/19/04 15:00	22.04	80.552	0.16	27.501	7.87	24.9	6.5
4/19/04 15:30	23.59	78.205	0.24	27.549	7.87	45.1	7
4/19/04 16:00	22.42	80.748	0.32	27.521	7.88	30	8.4
4/19/04 16:30	21.39	81.388	0.31	27.486	7.89	60.8	11.7
4/19/04 17:00	21.98	83.665	-0.01	27.415	7.89	33.2	9.2
4/19/04 17:30	21.5	83.934	0.26	27.386	7.9	78.2	6.9
4/19/04 18:00	21.41	84.746	0.33	27.383	7.9	70.9	7.3
4/19/04 18:30	22.14	87.253	0.23	27.338	7.9	62.2	17.9
4/19/04 19:00	21.48	82.074	0.3	27.383	7.9	62.1	6.5
4/19/04 19:30	23.54	77.823	0.33	27.473	7.9	54.7	6.6
4/19/04 20:00	22.79	81.352	0.27	27.381	7.9	55	8.4
4/19/04 20:30	21.61	80.382	0.32	27.358	7.91	49	7.2
4/19/04 21:00	24.09	80.787	0.06	27.354	7.9	43.3	1348

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/19/04 21:30	23.81	82.742	0.21	27.29	7.9	27.3	6.4
4/19/04 22:00	23.7	69.41	0.26	27.493	7.89	15.6	7.2
4/19/04 22:30	21.25	68.067	0.32	27.457	7.9	16.7	7.8
4/19/04 23:00	23.89	65.571	0.03	27.464	7.89	10.3	107.8
4/19/04 23:30	21.68	69.621	0.2	27.336	7.9	11.1	6.5
4/20/04 0:00	21.57	69.209	0.26	27.323	7.89	6.8	6.8
4/20/04 0:30	23.38	67.513	0.22	27.342	7.88	3.9	6.8
4/20/04 1:00	21.52	76.613	0.16	27.155	7.89	3.5	6.6
4/20/04 1:30	24.39	73.386	-0.09	27.207	7.88	2.8	506.1
4/20/04 2:00	23.84	74.065	0.17	27.227	7.89	3.2	6.7
4/20/04 2:30	23.16	74.269	-0.15	27.183	7.9	2.3	24.7
4/20/04 3:00	22	77.249	0.16	27.167	7.91	3.9	11.3
4/20/04 3:30	22.68	70.305	0.2	27.26	7.91	2.7	6.8
4/20/04 4:00	21.69	73.914	0.18	27.217	7.92	3.6	6.5
4/20/04 4:30	21.66	76.776	0.11	27.169	7.93	3.7	7.5
4/20/04 5:00	23.88	68.015	0.15	27.405	7.91	3	7.3
4/20/04 5:30	23.76	72.636	0.17	27.371	7.91	2.7	7.3
4/20/04 6:00	23.73	70.297	0.12	27.462	7.94	3.1	7.5
4/20/04 6:30	21.51	74.343	0.25	27.409	7.95	3.3	7.6
4/20/04 7:00	21.5	75.427	0.19	27.412	7.94	3.2	7.4
4/20/04 7:30	23.75	67.759	0.25	27.623	7.95	3.1	7.5
4/20/04 8:00	22.52	75.277	0.25	27.485	7.96	2.9	6.5
4/20/04 8:30	23.81	69.102	0.21	27.628	7.96	3.1	8.5
4/20/04 9:00	21.84	73.691	0.25	27.589	7.97	3	9
4/20/04 9:30	24.39	70.396	0.01	27.679	7.96	3.1	10.6
4/20/04 10:00	22.88	72.936	-0.15	27.647	7.96	3	2499.9
4/20/04 10:30	21.37	71.131	0.26	27.63	7.97	3.2	498.6
4/20/04 11:00	22.57	70.028	0.24	27.664	7.96	3.1	6.3
4/20/04 11:30	22.61	67.115	-0.02	27.711	7.95	3.3	10.8
4/20/04 12:00	22.98	68.655	0.17	27.683	7.95	3.9	9.2
4/20/04 12:30	23.6	65.5	0.29	27.768	7.95	6.4	9.4
4/20/04 13:00	23.84	68.45	0.28	27.744	7.95	12.7	7.3
4/20/04 13:30	23.55	68.251	0.27	27.692	7.95	11	7.4
4/20/04 14:00	21.89	71.791	0.32	27.636	7.96	27	7.5
4/20/04 14:30	23.66	69.423	0.27	27.648	7.95	33.8	7.2
4/20/04 15:00	21.86	71.09	0.3	27.658	7.96	38.6	19.5
4/20/04 15:30	23.79	68.448	0.31	27.66	7.96	40.3	6.4
4/20/04 16:00	24.22	68.847	0.33	27.652	7.96	35.1	6.5
4/20/04 16:30	23.56	71.208	0.28	27.61	7.96	47.2	8
4/20/04 17:00	23.56	72.67	0.28	27.623	7.97	52.3	322.9
4/20/04 17:30	24.78	68.61	0.26	27.691	7.96	45.7	9.7
4/20/04 18:00	24.75	68.545	0.07	27.642	7.96	52.5	12.2
4/20/04 18:30	23.01	69.133	0.18	27.618	7.96	51.7	9
4/20/04 19:00	22.66	69.053	0.2	27.599	7.96	50.3	6.5
4/20/04 19:30	23.29	74.068	0.19	27.539	7.96	45.9	13.9
4/20/04 20:00	22.5	74.283	0.28	27.5	7.97	45	6.7
4/20/04 20:30	22.6	73.52	0.26	27.474	7.97	40.7	6.4
4/20/04 21:00	22.59	73.614	0.31	27.459	7.98	36.8	6.4
4/20/04 21:30	24.01	70.167	0.14	27.476	7.96	30.9	661.6
4/20/04 22:00	24.92	69.915	0.14	27.446	7.96	32.2	9.2
4/20/04 22:30	23.58	73.187	0.09	27.361	7.96	16.8	20.3
4/20/04 23:00	24.92	73.02	0.05	27.346	7.95	11	552.9
4/20/04 23:30	24.72	71.892	0.1	27.307	7.94	7.8	8.4
4/21/04 0:00	24.49	72.958	0.15	27.274	7.94	6.4	7.5
4/21/04 0:30	24.51	69.16	0.14	27.348	7.95	4	12
4/21/04 1:00	22.43	72.422	0.22	27.241	7.96	4.2	8
4/21/04 1:30	23.87	76.69	0.17	27.145	7.95	2.5	6.6
4/21/04 2:00	22.46	76.591	0.24	27.144	7.96	3.3	7.5
4/21/04 2:30	24.75	74.65	0.04	27.165	7.95	2.3	434.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/21/04 3:00	23.62	77.34	0.02	27.136	7.96	2.6	6.5
4/21/04 3:30	23.62	75.868	0.1	27.15	7.96	3.5	6.8
4/21/04 4:00	23.95	71.748	-0.05	27.235	7.96	3.8	768.7
4/21/04 4:30	24.04	76.863	-0.14	27.164	7.97	3	910.7
4/21/04 5:00	22.25	74.386	0.13	27.272	8.01	3.7	6.5
4/21/04 5:30	24.54	75.576	0.09	27.303	8	2.7	6.5
4/21/04 6:00	22.93	76.4	-0.06	27.341	8.01	4.1	12.8
4/21/04 6:30	24.67	75.645	-0.12	27.421	7.99	3	967.7
4/21/04 7:00	24.96	72.19	-0.37	27.5	7.99	2.6	27.4
4/21/04 7:30	23.9	75.2	-0.23	27.439	8	2.9	1084.5
4/21/04 8:00	23.59	72.222	0.09	27.582	8	2.3	2506.1
4/21/04 8:30	23.76	76.761	-0.23	27.534	8.01	3.4	41
4/21/04 9:00	22.53	78.025	0.18	27.513	8.02	3.8	6.5
4/21/04 9:30	22.36	76.589	0.18	27.579	8.02	3.9	6.4
4/21/04 10:00	22.26	74.073	0.11	27.694	8.01	3.5	6.4
4/21/04 10:30	22.55	73.741	0.13	27.722	8.02	3.3	6.2
4/21/04 11:00	24.89	72.424	-0.39	27.805	8.02	2.6	7
4/21/04 11:30	24.25	71.768	0.13	27.758	8.02	2.9	6.5
4/21/04 12:00	23.26	74.339	0.11	27.734	8.02	3.7	6.3
4/21/04 12:30	24.02	70.449	0.12	27.817	8.01	6.4	6.4
4/21/04 13:00	23.52	70.186	0.24	27.777	8.01	11	7.2
4/21/04 13:30	24.51	107.486	-0.12	27.216	8	15.7	1699.6
4/21/04 14:00	22.57	70.304	0.12	27.829	8	21.2	6.3
4/21/04 14:30	23.72	71.993	-0.02	27.811	8	27.5	6.7
4/21/04 15:00	22.4	73.194	0.25	27.768	8	32.3	9.7
4/21/04 15:30	24.41	83.621	0.03	27.598	8.02	37.3	6.3
4/21/04 16:00	23.04	71.851	0	27.704	8.02	42.9	7
4/21/04 16:30	22.6	71.876	-0.01	27.707	8.02	45.3	7.3
4/21/04 17:00	22.75	72.835	0.21	27.715	8	42.8	6.5
4/21/04 17:30	22.61	71.692	0.09	27.727	7.99	49.6	6.6
4/21/04 18:00	22.15	72.565	0.21	27.674	7.98	41.9	6.8
4/21/04 18:30	24.85	68.121	0	27.753	7.96	48.2	6.5
4/21/04 19:00	22.3	70.962	0.18	27.682	7.96	50.2	6.9
4/21/04 19:30	25.13	70.052	-0.01	27.682	7.95	46.4	6.7
4/21/04 20:00	24.5	66.722	0.13	27.677	7.93	43.8	6.4
4/21/04 20:30	22.77	70.183	0.12	27.59	7.93	27.2	7.1
4/21/04 21:00	24.42	69.435	0.14	27.623	7.92	26.1	6.8
4/21/04 21:30	25.02	66.742	0.03	27.646	7.91	26.7	6.6
4/21/04 22:00	22.81	69.958	0.14	27.503	7.9	17.3	6.7
4/21/04 22:30	24.23	69.869	0.04	27.504	7.89	18.3	6.5
4/21/04 23:00	24.13	68.446	0	27.517	7.88	13.3	6.5
4/21/04 23:30	23.79	69.687	-0.03	27.419	7.88	9.5	6.6
4/22/04 0:00	24.61	69.138	0.12	27.432	7.87	5.8	7.3
4/22/04 0:30	24.47	66.928	-0.09	27.435	7.87	3.8	6.6
4/22/04 1:00	23.38	71.183	0.07	27.31	7.86	2.6	6.7
4/22/04 1:30	23.02	77.029	-0.1	27.22	7.87	3.1	6.4
4/22/04 2:00	22.25	71.598	0.12	27.262	7.87	3.9	8
4/22/04 2:30	23.38	72.771	-0.07	27.238	7.86	2.9	6.4
4/22/04 3:00	23.55	75.714	0.05	27.206	7.86	2.9	7.5
4/22/04 3:30	24.52	71.081	-0.1	27.268	7.87	2.8	6.4
4/22/04 4:00	23.38	71.702	0.11	27.264	7.88	3.1	11.4
4/22/04 4:30	25.01	69.769	-0.14	27.303	7.88	2.7	6.5
4/22/04 5:00	22.31	75.431	0.16	27.229	7.9	3.3	7.2
4/22/04 5:30	24.75	71.822	-0.09	27.359	7.9	2.9	6.7
4/22/04 6:00	24.24	70.228	0.18	27.42	7.91	2.9	7.9
4/22/04 6:30	24.01	74.887	-0.24	27.323	7.91	3	7
4/22/04 7:00	23.77	74.314	0.09	27.434	7.92	2.9	6.5
4/22/04 7:30	22.8	75.715	-0.14	27.367	7.93	3.3	7.3
4/22/04 8:00	23.27	73.499	0.04	27.453	7.94	3.1	7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/22/04 8:30	22.83	76.585	-0.12	27.481	7.97	3.1	6.5
4/22/04 9:00	22.3	76.721	0.18	27.55	7.98	3.2	6.7
4/22/04 9:30	22.77	75.63	-0.07	27.6	7.98	3.3	6.6
4/22/04 10:00	24.05	71.915	0.16	27.745	7.99	2.4	6.8
4/22/04 10:30	22.83	77.982	0.01	27.567	8.01	3.9	6.5
4/22/04 11:00	22.32	71.302	0.21	27.696	8.01	3.4	6.5
4/22/04 11:30	24.3	74.362	0.25	27.69	8	3.2	7.6
4/22/04 12:00	23.92	73.896	-0.03	27.75	7.99	4.1	6.7
4/22/04 12:30	22.28	75.241	0.17	27.782	7.97	7.2	6.4
4/22/04 13:00	23.07	74.762	0	27.711	7.96	11	6.6
4/22/04 13:30	24.66	72.367	0.15	27.781	7.94	15.8	6.9
4/22/04 14:00	24.2	68.931	-0.03	27.82	7.94	21.9	7
4/22/04 14:30	24.79	73.657	0.21	27.738	7.93	26.9	7
4/22/04 15:00	24.41	72.739	0.06	27.763	7.93	31.8	6.6
4/22/04 15:30	22.77	73.043	0.21	27.719	7.94	39.4	6.9
4/22/04 16:00	24.13	73.707	-0.01	27.753	7.93	40.9	6.4
4/22/04 16:30	23.83	70.532	-0.11	27.727	7.93	46.4	29.8
4/22/04 17:00	23.69	73.571	0.2	27.668	7.92	43.1	7.8
4/22/04 17:30	23.37	73.832	0.02	27.677	7.93	50.6	6.5
4/22/04 18:00	23.49	73.637	0.21	27.602	7.91	44	7
4/22/04 18:30	25.34	68.258	0.05	27.697	7.9	22.3	6.5
4/22/04 19:00	24.5	70.755	0.18	27.7	7.9	42.3	6.5
4/22/04 19:30	25.31	72.249	0.01	27.612	7.89	25.8	6.7
4/22/04 20:00	24.28	72.187	0.18	27.575	7.9	33.6	6.6
4/22/04 20:30	24.28	72.713	0.04	27.548	7.9	25.7	6.8
4/22/04 21:00	24.42	72.101	0.14	27.465	7.89	35.2	6.6
4/22/04 21:30	25.19	70.964	-0.04	27.475	7.89	23.1	6.5
4/22/04 22:00	24.58	72.404	0.15	27.452	7.88	13	7.9
4/22/04 22:30	25.35	72.131	-0.03	27.47	7.87	15.3	6.5
4/22/04 23:00	24.87	70.202	-0.2	27.438	7.87	7.5	8
4/22/04 23:30	24.7	71.147	0.09	27.379	7.87	5.8	6.6
4/23/04 0:00	23.1	76.966	-0.04	27.224	7.88	6	6.5
4/23/04 0:30	25.22	71.685	0.04	27.287	7.87	3.3	7.6
4/23/04 1:00	24.32	85.373	0.24	27.029	7.88	3	7
4/23/04 1:30	23.14	85.875	0.08	27.017	7.89	2.8	6.5
4/23/04 2:00	22.7	89.224	0.22	26.906	7.9	3.2	10.2
4/23/04 2:30	23.14	89.378	-0.23	26.88	7.9	2.9	6.4
4/23/04 3:00	22.49	92.541	0.07	26.831	7.91	3.3	11.7
4/23/04 3:30	25.34	70.994	-0.47	27.19	7.91	3	6.8
4/23/04 4:00	23.02	77.639	0.09	27.031	7.93	3.2	8.6
4/23/04 4:30	24.98	76.565	-0.45	27.083	7.93	3.1	6.5
4/23/04 5:00	23.23	77.898	-0.37	27.087	7.94	3.2	1049.9
4/23/04 5:30	24.48	78.423	-0.64	27.119	7.95	3.2	7.3
4/23/04 6:00	23.17	79.56	-0.14	27.101	7.96	3	6.4
4/23/04 6:30	25.24	79.868	-0.88	27.136	7.96	3.1	6.4
4/23/04 7:00	22.6	74.736	-0.02	27.228	7.99	3.2	7.9
4/23/04 7:30	23.13	74.724	-0.75	27.327	8.02	3.3	6.5
4/23/04 8:00	23.89	72.717	-0.13	27.408	8.02	3	8
4/23/04 8:30	23.14	74.455	-0.7	27.396	8.02	3.1	7
4/23/04 9:00	23.79	75.91	-0.27	27.431	8.01	3	6.9
4/23/04 9:30	23.27	75.029	-0.71	27.456	8.02	3.3	7.2
4/23/04 10:00	23.71	73.281	-0.26	27.542	8	3.1	6.4
4/23/04 10:30	25.4	70.066	-0.81	27.646	7.98	2.5	7.2
4/23/04 11:00	23.43	73.88	0.02	27.626	7.99	3.1	6.5
4/23/04 11:30	25.39	70.886	-0.71	27.724	7.98	2.5	7
4/23/04 12:00	24.3	71.367	-0.17	27.69	8	3.9	6.8
4/23/04 12:30	23.91	70.609	0.01	27.778	8	5.4	7.6
4/23/04 13:00	22.9	73.245	-0.02	27.706	7.99	11.8	6.8
4/23/04 13:30	24.98	69.053	-0.49	27.824	7.97	16.4	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/23/04 14:00	22.92	73.761	-0.04	27.705	7.97	22.9	8.3
4/23/04 14:30	24.16	70.639	-0.26	27.839	7.96	27.9	6.4
4/23/04 15:00	23.34	70.962	-0.34	27.757	7.96	20.8	9
4/23/04 15:30	24.77	71.06	0.15	27.828	7.95	31.9	6.7
4/23/04 16:00	24.08	69.894	-0.6	27.836	7.94	12.7	6.6
4/23/04 16:30	22.89	74.188	-0.01	27.698	7.94	11	9.1
4/23/04 17:00	24.2	71.276	-0.32	27.752	7.94	17.5	6.8
4/23/04 17:30	23.47	71.304	0.22	27.729	7.95	39.5	8.4
4/23/04 18:00	25.3	68.933	0.05	27.787	7.94	25.5	6.7
4/23/04 18:30	24.8	68.214	0.06	27.672	7.94	42.5	1195.7
4/23/04 19:00	23.6	74.387	0.14	27.6	7.94	33.2	7.3
4/23/04 19:30	24.84	69.328	0.27	27.666	7.94	29.2	6.7
4/23/04 20:00	25.32	69.589	-0.25	27.631	7.94	33.1	6.9
4/23/04 20:30	23.1	72.12	0.18	27.533	7.94	31.3	7.7
4/23/04 21:00	23.44	72.414	-0.01	27.543	7.94	22.4	6.7
4/23/04 21:30	23.23	74.87	-0.06	27.439	7.93	14	8.7
4/23/04 22:00	22.79	76.049	0.28	27.408	7.93	20.2	6.7
4/23/04 22:30	25.35	69.942	-0.14	27.509	7.91	12.5	6.5
4/23/04 23:00	23.97	72.778	-0.05	27.45	7.91	9.4	8.3
4/23/04 23:30	24.48	73.695	0.18	27.411	7.91	8.2	7.2
4/24/04 0:00	24.92	72.591	-0.08	27.366	7.9	4.1	7.3
4/24/04 0:30	24.19	71.049	-0.13	27.304	7.9	3.4	10.7
4/24/04 1:00	24.43	77.773	0.12	27.156	7.9	3.3	6.7
4/24/04 1:30	24.87	73.326	-0.34	27.264	7.9	3.2	6.8
4/24/04 2:00	24.29	74.531	-0.29	27.231	7.9	3	704.7
4/24/04 2:30	24.81	73.982	-0.29	27.212	7.9	3.1	6.3
4/24/04 3:00	23.19	78.711	-0.64	27.105	7.91	3	9
4/24/04 3:30	24.79	77.562	-0.09	27.119	7.9	3.1	7.3
4/24/04 4:00	23.41	78.528	-0.57	27.112	7.91	2.9	7.9
4/24/04 4:30	24.62	76.948	-0.15	27.174	7.91	3.3	6.5
4/24/04 5:00	23.29	76.635	-0.72	27.092	7.92	3.3	6.8
4/24/04 5:30	24.22	78.114	-0.1	27.164	7.93	3.3	7
4/24/04 6:00	23.17	81.664	-0.74	27.053	7.94	3	6.6
4/24/04 6:30	24.49	75.957	0.04	27.195	7.97	3.1	12.8
4/24/04 7:00	24.94	76.482	-0.38	27.147	7.96	3.1	7.5
4/24/04 7:30	23.37	78.809	0.03	27.169	7.97	3.1	6.5
4/24/04 8:00	24.21	76.721	-0.26	27.289	7.97	3.1	6.6
4/24/04 8:30	22.68	80.873	-0.13	27.232	7.98	2.9	6.6
4/24/04 9:00	23.38	79.001	-0.51	27.278	7.98	2.9	7.8
4/24/04 9:30	22.61	80.585	-0.1	27.35	7.98	2.9	7.2
4/24/04 10:00	24.64	77.182	-0.4	27.432	7.96	3.2	6.6
4/24/04 10:30	23.38	78.338	-0.18	27.458	7.96	3.1	1031.4
4/24/04 11:00	24.71	69.716	-0.16	27.627	7.94	3.1	6.2
4/24/04 11:30	25.14	75.561	-0.42	27.579	7.94	3.3	13.3
4/24/04 12:00	25.15	72.277	-0.35	27.711	7.93	3.8	1597.7
4/24/04 12:30	24.3	73.196	-0.15	27.698	7.93	5.8	6.4
4/24/04 13:00	23.45	74.734	0.03	27.667	7.93	6.5	6.6
4/24/04 13:30	23.34	77.147	0.1	27.654	7.93	4.9	6.5
4/24/04 14:00	25.27	72.579	-0.13	27.758	7.93	7.2	76.6
4/24/04 14:30	24.52	75.483	0.02	27.714	7.94	8.6	6.5
4/24/04 15:00	24.78	75.393	-0.15	27.771	7.94	14.9	7.7
4/24/04 15:30	22.64	78.577	0.14	27.716	7.95	19.2	6.4
4/24/04 16:00	23.33	77.81	-0.07	27.71	7.95	16.8	7
4/24/04 16:30	24.02	78.486	0.23	27.653	7.96	33.5	7.6
4/24/04 17:00	25.24	75.625	-0.07	27.682	7.95	36.2	6.9
4/24/04 17:30	23.42	77.852	-0.02	27.628	7.97	33.4	432.6
4/24/04 18:00	23.38	77.635	-0.01	27.633	7.97	38.8	6.7
4/24/04 18:30	23.52	75.989	-0.12	27.604	7.97	19.1	635.8
4/24/04 19:00	23.64	75.472	0.15	27.593	7.96	22.4	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/24/04 19:30	22.87	78.791	0.15	27.53	7.97	20	6.5
4/24/04 20:00	24.4	77.037	0.25	27.572	7.95	14.5	10.3
4/24/04 20:30	25.39	73.53	-0.13	27.657	7.94	7	7.5
4/24/04 21:00	22.92	76.638	0.04	27.502	7.94	3.5	6.4
4/24/04 21:30	23.69	74.222	-0.07	27.56	7.94	5.1	66.7
4/24/04 22:00	22.76	79.287	0.05	27.401	7.95	5.9	6.4
4/24/04 22:30	23.14	77.466	-0.02	27.443	7.96	6.2	1824.2
4/24/04 23:00	23.99	74.516	0.01	27.48	7.95	4.4	6.4
4/24/04 23:30	24.19	75.929	0	27.42	7.95	4	523.9
4/25/04 0:00	22.97	75.937	0.15	27.333	7.96	3.4	6.3
4/25/04 0:30	24.3	76.39	0.14	27.352	7.96	3.2	8.7
4/25/04 1:00	25.17	78.974	0.04	27.251	7.98	3.2	7.3
4/25/04 1:30	24.67	81.749	0.2	27.19	7.99	3.2	6.4
4/25/04 2:00	23.52	81.471	0	27.166	7.99	3.2	7.3
4/25/04 2:30	22.85	84.935	0.24	27.034	8	3	8.7
4/25/04 3:00	23.24	83.647	0.1	27.094	8.01	3.1	7.2
4/25/04 3:30	24.34	81.565	0.25	27.148	8	3.1	6.5
4/25/04 4:00	23.25	80.684	0.13	27.112	8.01	3.1	7.5
4/25/04 4:30	24.42	78.488	0.24	27.147	8	3.2	6.6
4/25/04 5:00	24.8	79.006	0	27.129	8	3.2	7.1
4/25/04 5:30	23.19	82.594	0.17	27.036	8.01	3.1	568.9
4/25/04 6:00	25.09	80.604	0.12	27.093	8	3.3	1606.6
4/25/04 6:30	22.86	82.104	0.2	27.064	8.01	3.1	6.2
4/25/04 7:00	24.39	80.576	0.01	27.108	8.01	3.1	8.2
4/25/04 7:30	24.41	78.274	0.25	27.182	8.01	3.2	6.5
4/25/04 8:00	23.33	81.477	0.12	27.057	8.01	3.2	6.8
4/25/04 8:30	24.19	81.659	0.14	27.131	8.02	3.1	571.9
4/25/04 9:00	24.9	79.769	0.17	27.24	8.02	3.2	499.3
4/25/04 9:30	24.69	82.484	0.16	27.214	8.02	3.1	6.5
4/25/04 10:00	23.29	80.665	0.19	27.241	8.05	2.9	121.9
4/25/04 10:30	24.07	76.611	0.22	27.388	8.04	3.1	7.1
4/25/04 11:00	25.21	75.79	0.2	27.463	8.03	3.3	7.6
4/25/04 11:30	22.79	76.523	0.25	27.487	8.03	3.1	6.8
4/25/04 12:00	23.79	80	0.2	27.479	8.02	3.8	9.2
4/25/04 12:30	24.64	79.855	0.23	27.512	8.02	4.5	6.4
4/25/04 13:00	25.27	75.6	0.19	27.658	8.02	6	8.1
4/25/04 13:30	23.32	78.442	0.23	27.615	8.02	6.9	1941.5
4/25/04 14:00	22.8	80.355	0.31	27.595	8.02	11.4	66.4
4/25/04 14:30	23.54	79.267	0.26	27.64	8.01	16.2	7.3
4/25/04 15:00	23.39	82.557	0.29	27.595	8.01	14.9	1748.5
4/25/04 15:30	24.49	80.837	0.34	27.616	8.01	15.3	6.4
4/25/04 16:00	24.21	79.01	0.37	27.668	8.02	15.4	7.7
4/25/04 16:30	24.61	80.834	0.3	27.679	8.01	13.6	870.1
4/25/04 17:00	23.64	77.71	0.33	27.675	8.01	12.6	6.4
4/25/04 17:30	23.42	81.751	0.37	27.589	8.01	12	1102.8
4/25/04 18:00	24.67	76.338	0.38	27.69	8	10.5	7
4/25/04 18:30	23.28	82.851	0.38	27.576	8	12.8	26.1
4/25/04 19:00	22.77	82.341	0.39	27.55	8	8.7	9
4/25/04 19:30	23.44	80.469	0.39	27.569	8	6.8	7.4
4/25/04 20:00	23.5	81.354	0.36	27.569	7.98	5.5	2050.1
4/25/04 20:30	25.13	76.928	0.32	27.595	7.99	10.7	1806.8
4/25/04 21:00	23.07	81.909	0.36	27.471	7.99	8.9	6.2
4/25/04 21:30	23.35	79.925	0.38	27.508	7.99	7.9	863.1
4/25/04 22:00	23.36	78.704	0.4	27.449	7.99	9	881.3
4/25/04 22:30	23.34	78.987	0.41	27.457	7.99	8.1	13.6
4/25/04 23:00	23.36	78.904	0.4	27.455	7.99	6.9	1410.7
4/25/04 23:30	25.16	78.27	0.33	27.435	7.98	4.1	357.6
4/26/04 0:00	24.06	78.702	0.37	27.379	7.98	4.3	6.3
4/26/04 0:30	24.86	78.454	0.36	27.4	7.98	3.4	928.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/26/04 1:00	22.98	85.717	0.36	27.188	7.98	3.3	6.4
4/26/04 1:30	23.85	84.506	0.34	27.207	7.98	2.9	7.9
4/26/04 2:00	24.61	79.409	0.36	27.265	7.98	3.1	6.5
4/26/04 2:30	25.2	78.209	0.33	27.277	7.97	3	107.6
4/26/04 3:00	23.14	80.788	0.36	27.212	7.97	2.9	7.1
4/26/04 3:30	23.49	83.048	0.36	27.129	7.98	3.2	110.9
4/26/04 4:00	24.51	85.47	0.33	27.078	7.99	3.2	6.7
4/26/04 4:30	23.65	82.051	0.36	27.11	7.99	3.1	520.4
4/26/04 5:00	23.24	86.56	0.34	26.996	7.99	3.1	1511.2
4/26/04 5:30	22.93	85.339	0.37	27.022	8	3.1	6.8
4/26/04 6:00	23.06	86.42	0.33	27	8.01	3.3	2501.4
4/26/04 6:30	23.17	85.606	0.36	27.017	8	2.9	6.2
4/26/04 7:00	25.02	83.051	0.35	27.082	7.99	3.1	601.3
4/26/04 7:30	22.81	82.336	0.39	27.082	7.99	3.2	6.2
4/26/04 8:00	22.98	85.263	0.31	27.075	7.98	3	29.9
4/26/04 8:30	24.41	83.088	0.31	27.12	7.99	2.9	6.2
4/26/04 9:00	24.71	81.268	0.31	27.226	7.98	3.2	408.4
4/26/04 9:30	24.37	82.916	0.33	27.244	7.99	3.1	6.4
4/26/04 10:00	24.01	83.338	0.34	27.223	8	3.2	6.9
4/26/04 10:30	22.79	84.276	0.38	27.276	8.01	3.4	6.5
4/26/04 11:00	24.09	76.973	0.38	27.427	8	3.1	53.9
4/26/04 11:30	24.16	78.408	0.38	27.432	7.99	3	6.4
4/26/04 12:00	23.81	78.604	0.37	27.43	7.98	3.9	6.3
4/26/04 12:30	24.9	76.985	0.36	27.561	7.97	3.7	174.6
4/26/04 13:00	22.6	79.839	0.38	27.518	7.98	5.5	6.6
4/26/04 13:30	22.41	81.644	0.39	27.538	7.97	10.8	6.5
4/26/04 14:00	22.61	81.758	0.38	27.541	7.96	11.1	6.4
4/26/04 14:30	24.24	77.861	0.39	27.62	7.96	20.3	6.7
4/26/04 15:00	22.53	79.773	0.4	27.613	7.96	12.1	6.5
4/26/04 15:30	23.4	79.021	0.44	27.62	7.96	17	7.8
4/26/04 16:00	23.83	79.913	0.44	27.631	7.97	32.4	6.4
4/26/04 16:30	23.11	79.574	0.51	27.607	7.97	24.4	25.6
4/26/04 17:00	24.39	77.836	0.44	27.648	7.96	10.8	6.4
4/26/04 17:30	24	78.413	0.42	27.667	7.96	11.9	8
4/26/04 18:00	22.73	80.536	0.49	27.578	7.97	18	6.5
4/26/04 18:30	22.73	80.432	0.5	27.59	7.97	16.6	6.5
4/26/04 19:00	24.34	80.145	0.5	27.579	7.97	27.7	6.5
4/26/04 19:30	23.12	79.352	0.49	27.554	7.97	12.5	8.4
4/26/04 20:00	24.45	76.958	0.47	27.587	7.97	13.6	6.7
4/26/04 20:30	22.84	77.932	0.5	27.539	7.98	9	7.6
4/26/04 21:00	23.39	78.304	0.46	27.519	7.97	9.1	1658.6
4/26/04 21:30	22.89	82.625	0.46	27.429	7.96	5.2	6.4
4/26/04 22:00	24.73	79.737	0.42	27.476	7.96	5.9	1020.1
4/26/04 22:30	22.57	82.447	0.46	27.392	7.96	5.7	6.6
4/26/04 23:00	23.18	79.776	0.44	27.424	7.95	5.3	2502.3
4/26/04 23:30	25.03	77.765	0.42	27.449	7.96	4.4	406.3
4/27/04 0:00	23.07	80.226	0.43	27.382	7.96	4.4	6.4
4/27/04 0:30	22.75	82.781	0.42	27.288	7.95	3.5	6.7
4/27/04 1:00	24.16	80.35	0.4	27.329	7.98	3.8	38
4/27/04 1:30	23.94	82.163	0.4	27.261	7.98	3	2508
4/27/04 2:00	22.6	82.953	0.4	27.198	7.99	3	6.3
4/27/04 2:30	23.96	83.703	0.37	27.237	7.98	3.1	2501.2
4/27/04 3:00	24.53	83.693	0.36	27.19	7.98	3.3	6.3
4/27/04 3:30	24.06	80.749	0.35	27.208	7.98	3	865.9
4/27/04 4:00	23.71	84.397	0.38	27.133	7.99	3.2	34.6
4/27/04 4:30	23.06	82.52	0.39	27.166	8	2.9	8.3
4/27/04 5:00	23.7	82.095	0.4	27.156	7.99	3.1	6.4
4/27/04 5:30	24.89	81.163	0.37	27.161	7.97	3.3	8.2
4/27/04 6:00	22.69	82.473	0.37	27.107	7.97	3	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/27/04 6:30	24.73	84.1	0.3	27.077	7.95	3.1	431.5
4/27/04 7:00	24.67	82.934	0.33	27.109	7.96	3	6.3
4/27/04 7:30	23.64	81.813	0.35	27.127	7.98	2.9	76.7
4/27/04 8:00	22.56	83.417	0.43	27.094	8	2.9	6.3
4/27/04 8:30	22.48	84.464	0.38	27.086	7.98	2.9	74
4/27/04 9:00	23.17	84.046	0.36	27.127	7.97	2.8	2164.1
4/27/04 9:30	23.01	84.159	0.36	27.13	7.97	3.3	6.2
4/27/04 10:00	22.41	84.203	0.35	27.181	7.96	3.2	6.5
4/27/04 10:30	23.87	81.331	0.31	27.258	7.94	3.2	7.4
4/27/04 11:00	24.85	83.236	0.3	27.28	7.94	3.1	16.2
4/27/04 11:30	22.59	85.658	0.33	27.251	7.95	3.4	6.4
4/27/04 12:00	24.13	80.131	0.3	27.396	7.93	4.1	1005
4/27/04 12:30	22.57	85.002	0.33	27.333	7.95	5	6.3
4/27/04 13:00	23.15	81.543	0.31	27.452	7.94	6.4	67.6
4/27/04 13:30	24.5	78.063	0.32	27.563	7.94	7.8	1398.1
4/27/04 14:00	22.89	80.875	0.42	27.553	7.98	14.3	2392.4
4/27/04 14:30	22.77	82.026	0.45	27.541	8	15	6.2
4/27/04 15:00	22.04	84.509	0.5	27.53	8	13.7	6.4
4/27/04 15:30	23.37	81.585	0.5	27.588	7.99	22.2	6.8
4/27/04 16:00	22.86	80.615	0.51	27.657	7.99	21.3	1621.9
4/27/04 16:30	22.25	80.685	0.58	27.635	7.99	31.8	6.3
4/27/04 17:00	24.52	82.22	0.56	27.629	7.99	37.6	380.7
4/27/04 17:30	22.63	81.256	0.55	27.629	7.99	17.4	6.3
4/27/04 18:00	24.02	80.984	0.55	27.633	7.99	23.4	6.7
4/27/04 18:30	22.3	80.923	0.61	27.605	8	19.6	6.7
4/27/04 19:00	24.89	76.172	0.56	27.695	8	15.1	1519.5
4/27/04 19:30	24.52	79.318	0.56	27.622	8	21.9	6.4
4/27/04 20:00	24.19	80.261	0.57	27.593	8.01	25.7	6.8
4/27/04 20:30	23.15	82.721	0.58	27.536	8.02	27.6	1856
4/27/04 21:00	23.17	83.951	0.57	27.491	8.01	24.7	383.9
4/27/04 21:30	24.71	78.384	0.48	27.562	8.02	20.9	6.3
4/27/04 22:00	23.26	80.358	0.5	27.488	8.01	17.3	1257.3
4/27/04 22:30	22.8	78.789	-0.2	27.5	8.01	13.6	6.5
4/27/04 23:00	23.77	131.253	0.33	26.555	8	10.2	6.4
4/27/04 23:30	22.46	80.904	0.39	27.418	7.99	7.5	7
4/28/04 0:00	23.25	80.404	0.39	27.426	7.98	5.6	147.9
4/28/04 0:30	23.16	82.043	0.41	27.366	7.98	3.8	6.5
4/28/04 1:00	23.24	80.926	0.36	27.382	7.96	3.7	133.3
4/28/04 1:30	24.21	79.255	0.42	27.404	7.97	3	304.9
4/28/04 2:00	24.12	80.514	0.42	27.372	7.97	3	134.6
4/28/04 2:30	23.17	80.888	0.43	27.312	7.98	3	2502.1
4/28/04 3:00	23.81	81.478	0.43	27.317	7.97	3.2	6.2
4/28/04 3:30	24.03	82.842	0.43	27.267	7.97	2.6	6.7
4/28/04 4:00	24.74	78.805	0.43	27.331	7.96	3	515.6
4/28/04 4:30	22.86	82.998	0.44	27.221	7.95	4	6.2
4/28/04 5:00	24.65	80.429	0.42	27.253	7.95	2.4	357.5
4/28/04 5:30	24.19	81.152	0.42	27.238	7.93	3.1	6.2
4/28/04 6:00	22.27	83.006	0.45	27.167	7.94	3.2	7
4/28/04 6:30	22.19	84.341	0.43	27.123	7.93	3.4	6.5
4/28/04 7:00	22.27	85.391	0.42	27.099	7.92	3.3	6.2
4/28/04 7:30	24.14	81.682	0.39	27.156	7.91	2.9	6.3
4/28/04 8:00	24.15	81.567	0.38	27.151	7.91	2.8	6.3
4/28/04 8:30	23.98	81.036	0.38	27.191	7.91	3	6.4
4/28/04 9:00	22.45	83.567	0.38	27.14	7.91	3.3	6.3
4/28/04 9:30	22.42	84.916	0.38	27.139	7.91	3.4	6.3
4/28/04 10:00	24.16	77.649	0.35	27.309	7.9	3	6.4
4/28/04 10:30	24.29	84.515	0.35	27.212	7.91	2.1	6.3
4/28/04 11:00	22.44	82.17	0.35	27.254	7.9	3.4	6.3
4/28/04 11:30	23.39	82.718	0.35	27.308	7.89	3.4	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/28/04 12:00	22.48	84.154	0.35	27.305	7.89	4.3	6.3
4/28/04 12:30	22.51	84.865	0.34	27.33	7.88	6.6	6.3
4/28/04 13:00	22.37	84.373	0.37	27.366	7.88	9.2	6.3
4/28/04 13:30	22.82	135.887	0.31	26.502	7.9	8.7	6.4
4/28/04 14:00	24.24	78.972	0.42	27.557	7.9	15.1	6.4
4/28/04 14:30	23.35	81.957	0.43	27.54	7.89	20.9	6.3
4/28/04 15:00	23.07	80.713	0.47	27.577	7.89	21.1	6.4
4/28/04 15:30	23.26	82.163	0.48	27.581	7.9	15.8	6.4
4/28/04 16:00	24.09	78.269	0.54	27.675	7.9	29.7	6.5
4/28/04 16:30	22.73	82.893	0.51	27.598	7.9	24.5	6.7
4/28/04 17:00	24.01	80.925	0.58	27.65	7.9	31.1	6.5
4/28/04 17:30	22.47	84.547	0.67	27.58	7.91	28.2	6.5
4/28/04 18:00	24.17	81.457	0.64	27.647	7.91	35.2	6.7
4/28/04 18:30	24.01	81.937	0.65	27.636	7.9	39.3	6.4
4/28/04 19:00	24.23	82.438	0.51	27.628	7.9	15.5	6.5
4/28/04 19:30	24.27	81.077	0.46	27.635	7.89	10.5	6.4
4/28/04 20:00	24.03	83.684	0.51	27.592	7.91	18.3	6.5
4/28/04 20:30	23.47	86.332	0.53	27.51	7.94	29.7	6.5
4/28/04 21:00	23.46	82.762	0.51	27.555	7.92	13.3	6.5
4/28/04 21:30	24.48	85.072	0.36	27.524	7.93	16.4	6.3
4/28/04 22:00	24.38	85.334	0.4	27.499	7.93	17.1	6.3
4/28/04 22:30	24.43	83.802	0.47	27.51	7.93	13.7	6.4
4/28/04 23:00	22.95	88.451	0.48	27.398	7.92	11.2	6.3
4/28/04 23:30	23.62	82.106	0.42	27.506	7.92	8.1	6.4
4/29/04 0:00	23.72	87.451	0.43	27.416	7.91	5	6.5
4/29/04 0:30	23.01	85.295	0.42	27.416	7.9	3.9	6.3
4/29/04 1:00	24.25	84.868	0.39	27.42	7.9	3.1	608.3
4/29/04 1:30	25.1	87.835	0.37	27.368	7.89	3.1	2516.9
4/29/04 2:00	23.36	86.623	0.42	27.368	7.89	3.4	398.1
4/29/04 2:30	23.73	88.364	0.4	27.321	7.89	3	7.1
4/29/04 3:00	23.26	90.279	0.39	27.274	7.89	3.4	456.5
4/29/04 3:30	23.88	85.942	0.38	27.336	7.88	3.2	2507.6
4/29/04 4:00	24.67	83.911	0.4	27.364	7.87	2.7	378.5
4/29/04 4:30	22.96	88.843	0.38	27.234	7.87	3.3	6.2
4/29/04 5:00	23.75	87.125	0.36	27.264	7.86	4.1	1832.4
4/29/04 5:30	24.54	84.948	0.35	27.286	7.87	3.1	6.3
4/29/04 6:00	22.64	87.582	0.37	27.191	7.87	3.3	6.3
4/29/04 6:30	22.54	84.728	0.35	27.218	7.87	3.2	6.3
4/29/04 7:00	25.13	81.232	0.34	27.308	7.86	2	6.5
4/29/04 7:30	24.53	83.849	0.33	27.225	7.86	3.1	6.5
4/29/04 8:00	24.38	82.868	0.32	27.231	7.86	3.4	6.5
4/29/04 8:30	24.03	85.454	0.35	27.168	7.86	3.2	6.4
4/29/04 9:00	25.06	86.018	0.35	27.166	7.86	3	1425.3
4/29/04 9:30	22.98	90.867	0.3	27.063	7.86	3.1	6.8
4/29/04 10:00	22.74	82.176	0.35	27.204	7.86	3	6.4
4/29/04 10:30	23.55	91.215	0.34	27.08	7.86	2.7	1205
4/29/04 11:00	23.26	91.348	0.32	27.086	7.86	2.8	355.6
4/29/04 11:30	23.37	84.249	0.3	27.242	7.86	3.4	6.2
4/29/04 12:00	24.65	85.239	0.28	27.234	7.85	4.2	1144.8
4/29/04 12:30	23.21	89.073	0.29	27.206	7.85	7	31.3
4/29/04 13:00	24.85	84.942	0.21	27.328	7.85	10.8	521.6
4/29/04 13:30	23.19	86.468	0.27	27.312	7.85	10.3	2502.5
4/29/04 14:00	22.92	88.851	0.34	27.288	7.85	9.1	6.4
4/29/04 14:30	23.29	88.09	0.32	27.355	7.85	15.8	1535.4
4/29/04 15:00	24.59	86.114	0.28	27.413	7.86	13.9	6.2
4/29/04 15:30	24.32	85.045	0.32	27.449	7.86	28.1	6.4
4/29/04 16:00	22.84	87.188	0.5	27.436	7.87	39.5	6.4
4/29/04 16:30	22.79	88.693	0.42	27.425	7.87	40.1	6.4
4/29/04 17:00	24.26	84.935	0.4	27.497	7.86	27.7	805.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/29/04 17:30	23.2	87.885	0.46	27.45	7.86	18.5	6.4
4/29/04 18:00	23	88.377	0.48	27.449	7.87	33.8	6.4
4/29/04 18:30	24.39	85.684	0.51	27.51	7.87	39.2	6.3
4/29/04 19:00	24.43	85.069	0.42	27.502	7.86	13.1	6.4
4/29/04 19:30	23.77	86.34	0.48	27.479	7.87	35	6.3
4/29/04 20:00	23.35	87.526	0.39	27.437	7.87	34.7	1926.5
4/29/04 20:30	24.95	87.286	0.41	27.443	7.87	30.7	810.4
4/29/04 21:00	24.05	87.877	0.42	27.435	7.87	27.6	6.4
4/29/04 21:30	23.85	86.463	0.41	27.419	7.86	23.8	2506.7
4/29/04 22:00	24.28	81.641	0.36	27.47	7.86	19.2	440.7
4/29/04 22:30	23.33	83.474	0.36	27.438	7.86	15.1	6.4
4/29/04 23:00	23.38	81.609	0.43	27.451	7.85	11.5	512.3
4/29/04 23:30	24.08	81.923	0.35	27.431	7.84	8.5	6.4
4/30/04 0:00	23.25	88.673	0.32	27.315	7.84	6.1	1189.3
4/30/04 0:30	23.64	86.386	0.25	27.32	7.84	4	6.3
4/30/04 1:00	24.36	88.567	0.28	27.305	7.84	2.9	6.5
4/30/04 1:30	24.26	85.905	0.28	27.32	7.84	3	328.9
4/30/04 2:00	24.25	88.558	0.28	27.296	7.85	3.1	11.2
4/30/04 2:30	23.3	91.05	0.29	27.208	7.85	3.1	295.5
4/30/04 3:00	24.58	88.456	0.25	27.303	7.85	3	6.3
4/30/04 3:30	23.96	90.23	0.25	27.259	7.85	3.2	274.9
4/30/04 4:00	24.32	89.839	0.26	27.25	7.86	3.1	6.4
4/30/04 4:30	22.68	97.434	0.3	27.114	7.86	3.2	6.4
4/30/04 5:00	24.45	89.268	0.25	27.247	7.86	3	374.8
4/30/04 5:30	22.99	92.633	0.27	27.18	7.86	3.1	6.2
4/30/04 6:00	23.26	92.941	0.26	27.168	7.86	3	324.9
4/30/04 6:30	24.06	94.715	0.25	27.101	7.86	3.1	306.2
4/30/04 7:00	23.69	95.3	0.12	27.08	7.86	3.1	14.7
4/30/04 7:30	23.21	96.289	0.2	27.02	7.86	3.1	1580
4/30/04 8:00	23.45	95.247	0.24	27.055	7.86	3.3	6.3
4/30/04 8:30	23.09	97.105	0.23	26.966	7.86	3.1	528.4
4/30/04 9:00	24.47	94.734	0.23	27.066	7.86	2.9	15.2
4/30/04 9:30	22.77	96.442	0.2	26.998	7.86	3	6.4
4/30/04 10:00	23.23	98.71	0.22	26.967	7.86	3.2	975
4/30/04 10:30	24.7	96.046	0.23	27.015	7.85	3.1	1579.5
4/30/04 11:00	22.75	98.75	0.25	26.969	7.86	3.1	6.2
4/30/04 11:30	24.64	92.386	0.24	27.102	7.86	3	340.5
4/30/04 12:00	22.94	96.348	0.24	27.044	7.86	3.6	2500.6
4/30/04 12:30	24.43	93.294	0.23	27.141	7.86	4.8	433.8
4/30/04 13:00	23.16	94.34	0.27	27.113	7.86	8.1	6.2
4/30/04 13:30	24.6	94.773	0.27	27.158	7.85	8.7	23.6
4/30/04 14:00	24.09	89.545	0.29	27.271	7.85	15.6	644.7
4/30/04 14:30	22.96	91.251	0.32	27.26	7.85	20.1	1009.4
4/30/04 15:00	24.34	93.26	0.31	27.267	7.85	24	6.4
4/30/04 15:30	24.48	88.612	0.31	27.355	7.85	26.1	303.5
4/30/04 16:00	22.82	91.481	0.34	27.34	7.86	29	486.2
4/30/04 16:30	22.59	94.472	0.35	27.286	7.86	31.1	6.3
4/30/04 17:00	23.54	90.961	0.43	27.369	7.85	31.7	335.7
4/30/04 17:30	22.85	96.23	0.39	27.25	7.85	32.2	1779
4/30/04 18:00	24.36	95.404	0.4	27.306	7.85	33.4	832.7
4/30/04 18:30	24.51	98.507	0.44	27.249	7.86	33.4	1807.9
4/30/04 19:00	23.24	97.337	0.48	27.258	7.87	32.7	825.1
4/30/04 19:30	24.42	91.432	0.39	27.342	7.87	30.5	2511.8
4/30/04 20:00	23.72	93.019	0.37	27.297	7.87	26.8	623.9
4/30/04 20:30	23.86	92.036	0.38	27.313	7.88	19.3	2358.1
4/30/04 21:00	24.56	89.852	0.33	27.32	7.88	19.7	2083.1
4/30/04 21:30	24.73	89.668	0.26	27.301	7.88	15.8	379.5
4/30/04 22:00	23.09	94.693	0.34	27.207	7.88	11.4	714.1
4/30/04 22:30	24.48	90.554	0.32	27.271	7.88	10	2512.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
4/30/04 23:00	23.05	94.832	0.31	27.195	7.89	8.5	564
4/30/04 23:30	23.74	93.441	0.29	27.189	7.88	6.4	11.9
5/1/04 0:00	23.05	96.742	0.3	27.109	7.88	4.6	934.8
5/1/04 0:30	24.06	91.533	0.28	27.209	7.88	3.3	537.1
5/1/04 1:00	23.52	95.337	0.25	27.145	7.88	3.2	6.4
5/1/04 1:30	23.04	94.511	0.25	27.123	7.88	3	513
5/1/04 2:00	24.72	90.08	0.26	27.214	7.88	3	929.3
5/1/04 2:30	24.01	97.312	0.26	27.122	7.88	3	90
5/1/04 3:00	23.3	96.85	0.23	27.103	7.88	3.2	217.4
5/1/04 3:30	24.73	95.683	0.22	27.167	7.87	3.3	2158.6
5/1/04 4:00	24.62	92.225	0.21	27.208	7.87	2.8	514.4
5/1/04 4:30	23.51	94.498	0.22	27.172	7.88	3.1	6.2
5/1/04 5:00	23.21	94.414	0.24	27.179	7.88	3.2	2067.3
5/1/04 5:30	22.89	95.322	0.3	27.15	7.88	3.3	6.3
5/1/04 6:00	24.54	96.308	0.23	27.091	7.87	3	443.3
5/1/04 6:30	24.08	95.535	0.27	27.119	7.87	3	6.2
5/1/04 7:00	24.72	94.519	0.22	27.177	7.87	2.9	373.7
5/1/04 7:30	23.59	100.11	0.18	27.027	7.87	3	6.2
5/1/04 8:00	24.87	93.158	0.19	27.117	7.87	3.2	463.1
5/1/04 8:30	24.12	90.701	0.21	27.179	7.88	3.1	131.2
5/1/04 9:00	24.08	93.633	0.22	27.051	7.89	3	738.2
5/1/04 9:30	23.1	95.284	0.2	27.128	7.91	3.1	6.2
5/1/04 10:00	23.21	95.431	0.25	27.031	7.9	3.1	660.2
5/1/04 10:30	23.21	96.837	0.22	27.021	7.9	3.1	589.7
5/1/04 11:00	24.02	95.555	0.23	27.006	7.9	2.9	1833.1
5/1/04 11:30	24.65	94.624	0.24	27.079	7.9	3.2	6.3
5/1/04 12:00	23.44	91.664	0.18	27.111	7.9	4	281.5
5/1/04 12:30	23.44	95.597	0.21	27.08	7.9	5.7	2504.4
5/1/04 13:00	23.37	97.436	0.21	27.002	7.9	6.4	359
5/1/04 13:30	23.71	91.348	0.26	27.168	7.91	12.2	6.1
5/1/04 14:00	24.83	92.107	0.28	27.214	7.92	14	1546.1
5/1/04 14:30	24.81	94.138	0.3	27.127	7.94	19.4	1684.8
5/1/04 15:00	24.32	95.786	0.34	27.122	7.94	20.4	1480.2
5/1/04 15:30	23.3	99.794	0.36	27.116	7.94	22.6	6.3
5/1/04 16:00	23.42	96.35	0.36	27.152	7.93	25.8	16.6
5/1/04 16:30	24.68	94.425	0.34	27.226	7.93	26.6	2513.8
5/1/04 17:00	22.96	99.586	0.39	27.11	7.93	29.1	6.1
5/1/04 17:30	23.91	96.98	0.34	27.206	7.93	30.3	1748.1
5/1/04 18:00	23.27	95.78	0.34	27.214	7.93	15.2	370.6
5/1/04 18:30	24.43	97.696	0.35	27.177	7.93	17	6.2
5/1/04 19:00	23.29	99.421	-0.42	27.136	7.94	12.5	10.7
5/1/04 19:30	24.8	96.985	0.26	27.153	7.94	17.8	1524.5
5/1/04 20:00	24.59	99.053	0.25	27.125	7.93	9.1	61.4
5/1/04 20:30	23.31	97.772	0.25	27.188	7.92	3.1	1076.9
5/1/04 21:00	22.93	102.692	0.25	27.017	7.92	3.3	8.2
5/1/04 21:30	24.68	103.315	0.22	27.009	7.92	3	1583.8
5/1/04 22:00	24.39	103.047	0.28	27.017	7.93	3.2	6.4
5/1/04 22:30	23.57	113.387	0.26	26.747	7.96	3.4	6.5
5/1/04 23:00	24.28	109.329	0.33	26.895	7.96	3.4	7.1
5/1/04 23:30	23.84	153.386	0.23	26.034	7.95	3	6.4
5/2/04 0:00	23.84	208.252	0.17	24.84	7.92	3.2	6.6
5/2/04 0:30	23.86	208.359	0.17	24.8	7.9	3.1	6.5
5/2/04 1:00	23.83	208.464	0.17	24.807	7.89	3.1	6.7
5/2/04 1:30	23.83	208.241	0.18	24.878	7.87	3.1	6.4
5/2/04 2:00	23.87	207.961	0.18	24.843	7.87	3.1	8
5/2/04 2:30	23.86	208.191	0.19	24.882	7.86	3.1	7.6
5/2/04 3:00	23.89	208.028	0.17	24.887	7.85	3.1	6.8
5/2/04 3:30	23.79	208.097	0.17	24.893	7.83	3.2	6.9
5/2/04 4:00	23.73	208.603	0.17	24.913	7.82	3.1	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/2/04 4:30	23.66	207.873	0.17	24.927	7.8	3.1	6.6
5/2/04 5:00	24.23	206.205	0.17	25.015	7.79	3.1	2017.8
5/2/04 5:30	23.89	207.442	0.15	25.02	7.79	3.1	7.3
5/2/04 6:00	23.62	208.563	0.15	24.983	7.78	3.1	6.6
5/2/04 6:30	23.64	206.946	0.16	25.013	7.78	3.1	7.5
5/2/04 7:00	23.63	208.567	0.16	24.977	7.78	3.1	7.9
5/2/04 7:30	24.31	205.912	0.15	25.029	7.77	3.2	70.3
5/2/04 8:00	24.31	205.998	0.16	25.029	7.77	3.1	1634.5
5/2/04 8:30	24.3	206.107	0.16	25.023	7.77	3.1	990.4
5/2/04 9:00	24.28	206.262	0.15	24.971	7.77	3.1	448.1
5/2/04 9:30	24.1	207.546	0.14	24.957	7.76	3.1	6.1
5/2/04 10:00	24.05	207.254	0.1	24.91	7.76	3.1	11.2
5/2/04 10:30	24.23	206.386	0.13	24.956	7.76	3.1	1137.9
5/2/04 11:00	24.21	206.505	0.14	24.928	7.76	3.1	563.2
5/2/04 11:30	24.16	206.711	0.14	24.959	7.75	3.1	606.4
5/2/04 12:00	24.14	206.819	0.14	24.92	7.75	3.3	125.2
5/2/04 12:30	24.15	206.774	0.13	24.963	7.75	3.5	2509.8
5/2/04 13:00	24.09	207.032	0.14	24.948	7.75	4.3	382.8
5/2/04 13:30	24.21	206.59	0.13	24.926	7.75	5.1	1955.2
5/2/04 14:00	24.21	206.626	0.14	24.928	7.75	4.8	1540
5/2/04 14:30	24.18	206.57	0.14	24.937	7.75	4.8	389.1
5/2/04 15:00	24.19	205.162	0.13	25.002	7.75	5.9	55.1
5/2/04 15:30	24.19	206.301	0.13	25.02	7.75	5.3	269.4
5/2/04 16:00	24.2	206.235	0.12	25.034	7.75	6.2	2510.2
5/2/04 16:30	24.2	206.268	0.13	24.981	7.76	8.4	849
5/2/04 17:00	24.07	206.824	0.14	25.002	7.76	11.5	6.3
5/2/04 17:30	24.22	206.348	0.14	25.003	7.77	23.6	24.4
5/2/04 18:00	24.2	203.679	0.14	25.058	7.77	17.3	410.5
5/2/04 18:30	24.18	206.726	0.1	25.035	7.78	22.1	2510.1
5/2/04 19:00	24.11	207.234	0.08	24.935	7.77	8.6	1405.8
5/2/04 19:30	24.06	207.387	0.08	24.92	7.77	19.3	375.2
5/2/04 20:00	24.05	207.397	0.12	24.945	7.76	14.7	254.7
5/2/04 20:30	23.97	207.598	0.1	24.897	7.76	28.9	1026.7
5/2/04 21:00	23.65	208.792	0.11	24.857	7.77	26.2	6.3
5/2/04 21:30	23.99	207.273	0.09	24.85	7.76	18	9.7
5/2/04 22:00	23.96	202.667	0.14	24.917	7.76	16.5	2508.3
5/2/04 22:30	23.93	207.289	0.12	24.784	7.75	9.5	715.5
5/2/04 23:00	23.6	208.615	0.12	24.756	7.74	5	6.2
5/2/04 23:30	23.92	207.26	0.12	24.785	7.74	4.4	8.5
5/3/04 0:00	23.92	207.317	0.12	24.778	7.74	4	554.8
5/3/04 0:30	23.18	210.301	0.13	24.716	7.74	3.4	635.8
5/3/04 1:00	23.71	208.139	0.12	24.746	7.74	3.1	6.2
5/3/04 1:30	24.12	206.712	0.13	24.788	7.74	3	194.3
5/3/04 2:00	24.15	206.753	0.14	24.813	7.75	3.1	343
5/3/04 2:30	24.13	207.029	0.12	24.811	7.75	3.1	8.7
5/3/04 3:00	24.08	207.217	0.12	24.844	7.74	3.1	1653.7
5/3/04 3:30	23.72	208.725	0.08	24.844	7.74	3.1	6.2
5/3/04 4:00	24.14	207.121	0.1	24.896	7.74	3.2	2212.9
5/3/04 4:30	23.75	208.769	0.1	24.895	7.74	3.1	6.3
5/3/04 5:00	24.15	207.196	0.13	24.963	7.74	3.1	234.4
5/3/04 5:30	24.13	207.317	0.14	24.989	7.74	3.2	2509.6
5/3/04 6:00	24.11	207.386	0.12	25.007	7.73	3.2	675.2
5/3/04 6:30	23.86	208.426	0.11	24.98	7.73	3.1	6.2
5/3/04 7:00	24.11	207.532	0.14	25.045	7.72	3.2	357.2
5/3/04 7:30	24.09	207.551	0.13	25.045	7.73	3.1	508.4
5/3/04 8:00	23.83	208.593	0.11	25.039	7.73	3.2	6.1
5/3/04 8:30	24.08	207.672	0.12	25.063	7.72	3.1	203.1
5/3/04 9:00	24.07	207.726	0.1	25.051	7.72	3.1	485.7
5/3/04 9:30	23.81	208.718	0.1	24.994	7.72	3.1	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/3/04 10:00	24.07	207.691	0.11	25.017	7.72	3	164.2
5/3/04 10:30	24.04	207.845	0.11	25.035	7.72	3.1	124.4
5/3/04 11:00	24	207.936	0.11	25.025	7.72	3.1	570.3
5/3/04 11:30	23.7	208.984	0.1	24.977	7.72	3.2	6.1
5/3/04 12:00	24	207.82	0.11	25.031	7.73	4.2	43
5/3/04 12:30	23.98	207.887	0.12	25.016	7.73	6	2182.1
5/3/04 13:00	23.85	208.378	0.11	25.004	7.73	8.7	813.2
5/3/04 13:30	23.94	207.995	0.12	25.004	7.73	12.1	185.3
5/3/04 14:00	23.95	208.076	0.14	25.007	7.73	15.8	91.7
5/3/04 14:30	23.97	207.948	0.14	25.002	7.73	19.6	2508.4
5/3/04 15:00	23.99	207.946	0.14	25.027	7.73	23.2	503.9
5/3/04 15:30	23.86	208.437	0.14	25.006	7.74	26.6	6.4
5/3/04 16:00	23.99	207.934	0.14	25.013	7.74	28.9	373.4
5/3/04 16:30	23.98	207.456	0.13	25.014	7.74	32.4	1368
5/3/04 17:00	23.98	207.718	0.14	25.016	7.74	34.3	1064.8
5/3/04 17:30	23.81	208.415	0.14	24.96	7.74	34.9	6.2
5/3/04 18:00	24	207.14	0.13	25.013	7.74	35.8	168.3
5/3/04 18:30	23.5	209.883	0.13	24.929	7.75	34.5	7
5/3/04 19:00	23.25	210.065	0.13	24.886	7.74	33.1	6.4
5/3/04 19:30	23.34	209.344	0.15	24.877	7.74	31.3	6.3
5/3/04 20:00	23.35	209.059	0.16	24.868	7.74	29.1	6.3
5/3/04 20:30	23.33	209.242	0.16	24.825	7.74	26.4	6.2
5/3/04 21:00	23.31	209.802	0.17	24.767	7.74	22.6	6.4
5/3/04 21:30	23.34	209.232	0.18	24.751	7.74	19.8	6.3
5/3/04 22:00	23.34	209.421	0.17	24.71	7.74	16.2	6.4
5/3/04 22:30	23.33	209.874	0.19	24.671	7.74	12.3	6.4
5/3/04 23:00	23.23	210.654	0.18	24.64	7.73	9.2	6.8
5/3/04 23:30	23.87	208.109	0.18	24.656	7.72	7.2	746.4
5/4/04 0:00	23.86	208.113	0.14	24.652	7.72	5.2	2507.5
5/4/04 0:30	23.84	208.28	0.12	24.615	7.72	3.9	442
5/4/04 1:00	23.76	208.488	0.15	24.619	7.72	3.1	6.4
5/4/04 1:30	23.79	208.046	0.16	24.633	7.72	3.1	219.6
5/4/04 2:00	23.76	208.089	0.14	24.651	7.72	3.1	1117.1
5/4/04 2:30	23.74	208.03	0.14	24.662	7.71	3.1	2506.5
5/4/04 3:00	23.75	208.008	0.14	24.685	7.72	3.1	381.8
5/4/04 3:30	23.64	208.513	0.13	24.705	7.72	3.1	6.4
5/4/04 4:00	23.74	208.111	0.13	24.759	7.71	3.1	380.9
5/4/04 4:30	23.68	208.938	0.12	24.781	7.71	3.1	901.4
5/4/04 5:00	23.46	209.805	0.12	24.785	7.71	3.1	6.2
5/4/04 5:30	23.72	208.65	0.1	24.845	7.71	3.1	83.2
5/4/04 6:00	23.7	208.926	0.1	24.895	7.71	3.1	1598.5
5/4/04 6:30	23.71	208.441	0.1	24.942	7.72	3.1	358.8
5/4/04 7:00	23.47	209.688	0.12	24.94	7.72	3.1	6.2
5/4/04 7:30	23.74	208.756	0.1	25.003	7.72	3.1	8.4
5/4/04 8:00	23.74	208.776	0.1	25.037	7.73	3.1	285
5/4/04 8:30	23.75	209.45	0.11	25.024	7.73	3.1	386.6
5/4/04 9:00	23.45	210.816	0.12	25.005	7.73	3.1	6.2
5/4/04 9:30	23.79	209.444	0.12	25.045	7.72	3.1	11.9
5/4/04 10:00	23.76	209.585	0.11	25.055	7.73	3.1	451.9
5/4/04 10:30	23.75	209.735	0.13	25.032	7.73	3.1	861.8
5/4/04 11:00	23.73	209.892	0.12	25.037	7.74	3.1	106.6
5/4/04 11:30	23.69	210.101	0.13	25.02	7.74	3.2	1661
5/4/04 12:00	23.17	212.091	0.13	24.948	7.73	4.2	6.1
5/4/04 12:30	23.72	208.774	0.13	25.046	7.73	6.2	55
5/4/04 13:00	23.74	209.196	0.13	25.047	7.73	9.1	1122.8
5/4/04 13:30	23.76	209.853	0.14	25.005	7.74	12.7	752.8
5/4/04 14:00	23.78	209.411	0.15	25.003	7.75	16.2	555
5/4/04 14:30	23.76	209.044	0.18	25.011	7.75	20.3	481.1
5/4/04 15:00	23.55	209.766	0.2	24.968	7.75	24.5	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/4/04 15:30	23.82	209.778	0.21	24.967	7.75	28	177
5/4/04 16:00	23.85	208.981	0.21	24.982	7.76	30.8	2477.5
5/4/04 16:30	23.87	208.831	0.23	24.992	7.76	33.3	442.2
5/4/04 17:00	23.71	209.013	0.2	24.979	7.76	34.7	6.3
5/4/04 17:30	23.89	208.461	0.25	24.979	7.77	35.3	602.1
5/4/04 18:00	23.85	208.432	0.27	24.956	7.77	34.7	357.1
5/4/04 18:30	23.64	209.154	0.2	24.929	7.77	34.6	6.2
5/4/04 19:00	23.85	208.296	0.23	24.923	7.78	33.1	79.1
5/4/04 19:30	23.83	208.469	0.2	24.901	7.77	31.8	2507.3
5/4/04 20:00	23.05	213.046	-0.2	24.745	7.78	27.6	6.5
5/4/04 20:30	23.86	209.137	0.1	24.81	7.78	24.4	105.1
5/4/04 21:00	23.76	209.174	0.16	24.78	7.78	22.2	1228.5
5/4/04 21:30	23.67	209.273	0.08	24.729	7.78	18.9	2506.1
5/4/04 22:00	23.6	209.513	0.17	24.684	7.77	15.9	374.2
5/4/04 22:30	23.32	210.454	0.15	24.639	7.77	12.7	6.2
5/4/04 23:00	23.55	209.712	0.19	24.609	7.76	10	731.5
5/4/04 23:30	23.02	212.15	0.17	24.528	7.76	7.8	6.4
5/5/04 0:00	22.91	213.49	0.16	24.473	7.75	5.7	6.3
5/5/04 0:30	22.99	213.826	0.17	24.445	7.73	4	6.4
5/5/04 1:00	23.03	213.704	0.14	24.445	7.73	3.1	6.3
5/5/04 1:30	23.05	213.72	0.15	24.431	7.73	3.1	6.3
5/5/04 2:00	23.07	213.711	0.1	24.44	7.73	3.1	6.3
5/5/04 2:30	22.98	214.202	0.14	24.443	7.72	3.1	6.5
5/5/04 3:00	23.69	211.285	0.13	24.532	7.72	3	1692.5
5/5/04 3:30	23.27	213.079	0.14	24.525	7.72	3	6.2
5/5/04 4:00	23.06	214.155	0.15	24.532	7.72	3.1	6.3
5/5/04 4:30	23.7	211.4	0.15	24.642	7.75	3	218.6
5/5/04 5:00	23.63	211.74	0.14	24.689	7.75	3	2505.7
5/5/04 5:30	23.21	213.725	0.16	24.681	7.76	3.1	6.3
5/5/04 6:00	23.51	212.634	0.16	24.755	7.76	3	2504.8
5/5/04 6:30	22.89	214.706	0.17	24.759	7.76	3.1	6.2
5/5/04 7:00	23.6	212.704	0.19	24.839	7.75	3.1	2505.5
5/5/04 7:30	23.34	214.254	0.18	24.866	7.75	3.1	6.2
5/5/04 8:00	23.76	212.793	0.08	24.946	7.74	3.1	289.1
5/5/04 8:30	23.31	214.862	0.07	24.929	7.75	3.1	6.2
5/5/04 9:00	23.82	213.025	0.16	25.007	7.74	3	96
5/5/04 9:30	23.81	213.304	0.17	25.02	7.74	3.1	422.1
5/5/04 10:00	23.82	213.708	0.18	25.028	7.73	3	2493.7
5/5/04 10:30	23.82	213.874	0.16	25.031	7.72	3.1	1894.6
5/5/04 11:00	23.86	214.163	0.15	25.026	7.73	3.1	1025.8
5/5/04 11:30	23.61	215.579	0.15	24.999	7.73	3.2	7.3
5/5/04 12:00	23.94	213.584	0.17	25.042	7.74	3.9	17.9
5/5/04 12:30	23.97	214.088	0.17	25.027	7.74	4.9	1256.9
5/5/04 13:00	23.49	216.445	0.19	24.955	7.75	6.9	6.1
5/5/04 13:30	24.06	212.608	0.19	25.049	7.75	12	120.8
5/5/04 14:00	24.03	212.761	0.23	25.036	7.76	15.3	926
5/5/04 14:30	24.02	212.66	0.21	25.019	7.76	19.3	2508.7
5/5/04 15:00	24.01	212.788	0.19	25.004	7.76	23.1	2503.8
5/5/04 15:30	24.03	212.778	0.18	24.985	7.77	28.1	371.8
5/5/04 16:00	23.86	214.778	0.15	24.932	7.77	28.7	6.1
5/5/04 16:30	24.07	212.456	0.2	24.97	7.78	31.3	127.5
5/5/04 17:00	24.04	212.088	0.18	24.966	7.78	33	2156.7
5/5/04 17:30	24.01	211.496	0.12	24.961	7.79	34.3	270
5/5/04 18:00	23.95	211.517	0.19	24.947	7.78	34.9	2508.3
5/5/04 18:30	23.43	213.321	0.2	24.867	7.78	35.3	6.1
5/5/04 19:00	24	211.178	0.21	24.908	7.78	34.2	82
5/5/04 19:30	23.17	214.641	0.2	24.783	7.78	33.4	6.1
5/5/04 20:00	23.41	213.55	0.19	24.77	7.78	30.8	6.2
5/5/04 20:30	23.52	213.362	0.21	24.75	7.78	20.2	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/5/04 21:00	23.51	213.461	0.2	24.707	7.78	13.4	6.2
5/5/04 21:30	23.55	213.634	0.21	24.65	7.78	21.1	6.3
5/5/04 22:00	23.54	215.26	0.2	24.57	7.78	17.3	6.3
5/5/04 22:30	23.56	213.772	0.2	24.542	7.78	14.7	6.3
5/5/04 23:00	23.5	215.655	0.22	24.472	7.77	8.8	6.2
5/5/04 23:30	23.5	215.969	0.2	24.414	7.77	8.4	6.3
5/6/04 0:00	23.51	216.263	0.2	24.377	7.76	5	6.3
5/6/04 0:30	23.54	215.822	0.18	24.344	7.75	4.2	6.2
5/6/04 1:00	23.53	216.793	0.18	24.303	7.75	3.2	6.3
5/6/04 1:30	23.57	216.757	0.17	24.294	7.74	3.1	6.2
5/6/04 2:00	23.57	216.858	0.17	24.268	7.74	3.1	6.3
5/6/04 2:30	23.65	217.827	0.18	24.263	7.75	3.1	6.2
5/6/04 3:00	23.66	218.413	0.17	24.248	7.75	3.1	6.4
5/6/04 3:30	23.6	219.15	0.16	24.265	7.75	3.1	6.3
5/6/04 4:00	23.65	219.258	0.17	24.279	7.75	3.1	6.3
5/6/04 4:30	23.61	219.54	0.15	24.293	7.73	3.1	6.3
5/6/04 5:00	23.64	219.442	0.15	24.345	7.74	3.1	6.4
5/6/04 5:30	23.64	219.522	0.14	24.398	7.72	3.1	6.2
5/6/04 6:00	23.64	219.546	0.15	24.455	7.73	3.1	6.2
5/6/04 6:30	23.58	219.907	0.15	24.5	7.73	3.1	6.4
5/6/04 7:00	24.16	217.564	0.14	24.614	7.72	3.1	2509.9
5/6/04 7:30	24.01	218.256	0.13	24.658	7.71	3.1	7.6
5/6/04 8:00	24.24	216.872	0.15	24.762	7.73	3.1	158.9
5/6/04 8:30	24.23	216.886	0.14	24.81	7.73	3.1	2510.4
5/6/04 9:00	23.83	218.662	0.14	24.814	7.73	3.1	6.1
5/6/04 9:30	24.23	216.981	0.16	24.907	7.75	3.1	687.3
5/6/04 10:00	24.21	217.24	0.15	24.93	7.74	3.1	2510.2
5/6/04 10:30	24.17	217.268	0.14	24.955	7.73	3.2	515.9
5/6/04 11:00	23.93	218.193	0.13	24.958	7.72	3.1	6.2
5/6/04 11:30	24.13	215.547	0.15	25.059	7.74	3.2	284.8
5/6/04 12:00	23.59	218.322	0.15	24.999	7.76	4.2	6.1
5/6/04 12:30	24.17	215.14	0.16	25.087	7.76	6.1	2123.1
5/6/04 13:00	23.65	217.615	0.16	25.019	7.77	7.2	6
5/6/04 13:30	24.13	215.904	0.18	25.064	7.76	12	243.4
5/6/04 14:00	24.07	215.355	0.18	25.077	7.76	16.4	164.2
5/6/04 14:30	24.04	215.394	0.19	25.074	7.77	19.7	1416.3
5/6/04 15:00	23.67	216.27	0.2	25.029	7.78	24	6.1
5/6/04 15:30	24.05	214.847	0.21	25.061	7.77	29.6	551.6
5/6/04 16:00	23.58	216.891	0.18	25	7.77	31.6	6.1
5/6/04 16:30	23.98	214.915	0.18	25.023	7.77	33.4	52.5
5/6/04 17:00	23.96	214.983	0.19	25.013	7.77	35.7	69
5/6/04 17:30	24.29	215.516	0.16	24.973	7.77	38.2	2510.8
5/6/04 18:00	24.02	217.612	0.11	24.905	7.79	39	6.1
5/6/04 18:30	24.41	215.96	0.16	24.919	7.78	43	1273.7
5/6/04 19:00	24	217.617	0.15	24.846	7.79	38.8	6
5/6/04 19:30	23.82	219.38	0.14	24.78	7.79	38	6.1
5/6/04 20:00	23.88	219.034	0.14	24.74	7.79	22	6.2
5/6/04 20:30	23.92	219.045	0.16	24.714	7.79	31.6	6.2
5/6/04 21:00	23.93	218.742	0.15	24.683	7.79	25.9	6.1
5/6/04 21:30	23.95	219.203	0.13	24.623	7.78	10.9	6.1
5/6/04 22:00	23.97	219.766	0.15	24.55	7.78	15.4	6.1
5/6/04 22:30	24	220.126	0.15	24.497	7.79	17.3	6.1
5/6/04 23:00	23.96	220.215	0.18	24.449	7.78	11.2	6.1
5/6/04 23:30	23.65	220.541	0.17	24.388	7.78	7.9	6.2
5/7/04 0:00	23.45	220.494	0.15	24.333	7.77	5	6.2
5/7/04 0:30	23.36	221.207	0.15	24.275	7.76	4.1	6.3
5/7/04 1:00	23.32	221.261	0.16	24.232	7.75	3.1	6.3
5/7/04 1:30	23.33	221.362	0.14	24.203	7.75	3.1	6.2
5/7/04 2:00	24.01	218.686	0.15	24.242	7.73	3.1	57.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/7/04 2:30	23.96	219.012	0.15	24.221	7.72	3.1	2339.2
5/7/04 3:00	23.57	220.734	0.13	24.173	7.73	3.1	6.2
5/7/04 3:30	23.97	219.017	0.12	24.213	7.72	3.1	2488.4
5/7/04 4:00	23.51	221.076	0.12	24.179	7.72	3.1	6.1
5/7/04 4:30	23.88	219.516	0.12	24.238	7.72	3.1	2507.6
5/7/04 5:00	23.94	219.253	0.11	24.267	7.71	3.1	442.6
5/7/04 5:30	23.61	221.306	0.11	24.243	7.73	3.1	6.1
5/7/04 6:00	23.95	220.322	0.13	24.323	7.74	3.1	8.7
5/7/04 6:30	23.37	223.247	0.12	24.292	7.74	3.1	6.1
5/7/04 7:00	24	220.628	0.12	24.414	7.73	3.1	91.6
5/7/04 7:30	23.46	223.07	0.11	24.415	7.72	3.1	6.1
5/7/04 8:00	24	220.736	0.1	24.533	7.72	3.1	18.3
5/7/04 8:30	23.37	223.553	0.11	24.514	7.72	3.1	6.1
5/7/04 9:00	24.01	220.768	0.11	24.649	7.71	3.1	19.4
5/7/04 9:30	23.97	221.013	0.11	24.699	7.72	3.1	428
5/7/04 10:00	23.37	223.711	0.11	24.683	7.72	3.1	6.2
5/7/04 10:30	24.01	220.812	0.07	24.8	7.7	3.1	13
5/7/04 11:00	23.97	221.021	0.1	24.832	7.7	3.1	107.3
5/7/04 11:30	23.95	221.136	0.07	24.858	7.69	3.2	1485.6
5/7/04 12:00	23.93	220.76	0.09	24.888	7.7	4.4	2508.1
5/7/04 12:30	23.92	220.66	0.08	24.918	7.68	6.4	1272.2
5/7/04 13:00	23.62	221.835	0.09	24.896	7.7	9.2	6.1
5/7/04 13:30	23.94	220.553	0.09	24.932	7.7	11.9	23.6
5/7/04 14:00	23.92	220.66	0.11	24.944	7.71	16.4	2508.1
5/7/04 14:30	23.6	222.385	0.11	24.895	7.71	19.4	6.2
5/7/04 15:00	23.98	220.145	0.14	24.944	7.72	23.7	33.7
5/7/04 15:30	23.94	219.449	0.16	24.96	7.75	27.2	654.1
5/7/04 16:00	23.52	220.47	0.18	24.92	7.78	25.3	6.2
5/7/04 16:30	23.82	218.613	0.22	24.957	7.8	29.4	90.9
5/7/04 17:00	23.23	221.569	0.23	24.861	7.8	33.7	6.2
5/7/04 17:30	23.96	218.904	0.2	24.917	7.79	37.6	413.3
5/7/04 18:00	23.51	222.471	0.21	24.792	7.79	37.2	6.1
5/7/04 18:30	24.14	219.563	0.17	24.855	7.79	37.4	71.7
5/7/04 19:00	23.73	221.663	0.1	24.773	7.8	34.8	6.1
5/7/04 19:30	24.36	220.165	0.17	24.787	7.79	34.1	40.5
5/7/04 20:00	23.7	223.216	0.16	24.681	7.79	33.5	6
5/7/04 20:30	24.24	220.118	0.17	24.726	7.79	24.9	25.8
5/7/04 21:00	23.99	220.871	0.16	24.662	7.78	17.8	389.5
5/7/04 21:30	23.73	220.75	0.17	24.63	7.77	14.5	2506.6
5/7/04 22:00	23.69	220.86	0.18	24.592	7.79	17.1	1014.6
5/7/04 22:30	23.33	222.658	0.16	24.5	7.77	11.6	6.1
5/7/04 23:00	23.67	220.967	0.17	24.489	7.77	11.4	28
5/7/04 23:30	23.03	223.912	0.15	24.373	7.76	7.4	6.1
5/8/04 0:00	23.57	220.613	0.12	24.406	7.76	5.2	2310.8
5/8/04 0:30	22.84	225.205	0.1	24.23	7.76	3.8	6
5/8/04 1:00	23.59	221.542	0.13	24.282	7.76	3.1	60.9
5/8/04 1:30	23.61	221.614	0.12	24.242	7.75	3	2505.6
5/8/04 2:00	23.33	223.529	0.13	24.167	7.75	3	6.1
5/8/04 2:30	23.83	222.213	0.11	24.175	7.74	3.1	59.2
5/8/04 3:00	23.28	224.628	0.12	24.09	7.75	3.1	6.2
5/8/04 3:30	23.63	222.698	0.12	24.113	7.75	3.1	11.6
5/8/04 4:00	23.06	225.372	0.12	24.048	7.75	3	6.1
5/8/04 4:30	23.62	222.838	0.1	24.103	7.74	3.1	1741.3
5/8/04 5:00	23.14	224.964	0.12	24.057	7.73	3.1	6.1
5/8/04 5:30	23.55	223.191	0.11	24.122	7.72	3	2505.1
5/8/04 6:00	23.33	224.11	0.09	24.12	7.72	3.1	6.1
5/8/04 6:30	23.7	222.887	0.08	24.18	7.73	3	158.7
5/8/04 7:00	23.63	223.256	0.1	24.216	7.74	3	1312.8
5/8/04 7:30	23.61	223.292	0.09	24.263	7.75	3.1	1605.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/8/04 8:00	23.28	224.782	0.1	24.287	7.74	3.1	6.1
5/8/04 8:30	23.63	223.32	0.11	24.377	7.74	3.1	13.4
5/8/04 9:00	23.6	223.709	0.09	24.425	7.74	3.1	73.3
5/8/04 9:30	23.6	223.677	0.06	24.49	7.73	3.1	1235.1
5/8/04 10:00	23.59	223.737	0.09	24.541	7.73	3	375.1
5/8/04 10:30	23.61	223.761	0.09	24.607	7.73	3.1	11.5
5/8/04 11:00	23.03	226.485	0.07	24.589	7.74	3.1	6.1
5/8/04 11:30	23.66	223.809	0.09	24.708	7.73	3.2	11.2
5/8/04 12:00	22.98	225.944	0.08	24.699	7.73	4.2	6.1
5/8/04 12:30	23.58	222.356	0.11	24.813	7.75	7.2	27.9
5/8/04 13:00	23.52	222.576	0.13	24.849	7.76	8.8	2067.8
5/8/04 13:30	22.97	225.363	0.13	24.805	7.77	10.3	6.1
5/8/04 14:00	23.56	222.328	0.12	24.898	7.77	13	11.2
5/8/04 14:30	23.55	222.348	0.13	24.902	7.77	20.2	574.2
5/8/04 15:00	23.53	222.813	0.15	24.88	7.77	24.2	2413.1
5/8/04 15:30	23.63	222.987	0.15	24.897	7.78	27.9	2505.7
5/8/04 16:00	23.75	223.36	0.16	24.872	7.78	30.4	1237.1
5/8/04 16:30	23.53	224.819	0.17	24.84	7.79	33.1	6.1
5/8/04 17:00	24.16	224.039	0.16	24.849	7.8	35.5	15.8
5/8/04 17:30	24.29	224.477	0.04	24.833	7.8	36.1	386.9
5/8/04 18:00	24.34	224.879	0.07	24.798	7.81	37.4	2511.4
5/8/04 18:30	24.37	224.408	-0.16	24.794	7.82	37.1	64.1
5/8/04 19:00	24.38	224.42	-0.01	24.775	7.82	33.2	2511.7
5/8/04 19:30	23.92	226.651	0	24.694	7.83	34.5	6.1
5/8/04 20:00	24.46	224.26	-0.1	24.727	7.84	32.1	14.9
5/8/04 20:30	24.62	220.551	2.55	24.797	7.89	27.3	2513.9
5/8/04 21:00	24.16	222.471	2.53	24.718	7.89	15.9	6.2
5/8/04 21:30	24.57	220.926	2.54	24.729	7.91	25.2	53.8
5/8/04 22:00	24.53	221.145	2.54	24.687	7.9	20.2	53.5
5/8/04 22:30	24.5	221.661	2.53	24.624	7.89	10.9	1648.6
5/8/04 23:00	23.8	227.246	2.46	24.458	7.89	9.1	6.2
5/8/04 23:30	24.61	223.404	2.49	24.525	7.89	9.6	18.1
5/9/04 0:00	24.58	223.715	2.49	24.468	7.89	7.1	1225.9
5/9/04 0:30	24.08	226.298	2.47	24.353	7.88	4.3	6.1
5/9/04 1:00	24.58	223.79	2.49	24.375	7.87	3.2	43.5
5/9/04 1:30	23.71	227.457	2.47	24.249	7.86	3.2	7.2
5/9/04 2:00	24.39	223.435	2.5	24.303	7.85	3.1	435.3
5/9/04 2:30	23.71	227.073	2.47	24.177	7.87	3.1	6.3
5/9/04 3:00	24.28	224.172	2.5	24.215	7.86	3.1	382
5/9/04 3:30	24.31	224.271	2.49	24.19	7.84	3.1	69.1
5/9/04 4:00	24.26	224.676	2.49	24.159	7.85	3.1	2084
5/9/04 4:30	23.58	228.202	2.46	24.055	7.84	3.1	6.3
5/9/04 5:00	24.35	224.381	2.49	24.143	7.84	3.1	218.5
5/9/04 5:30	24.48	224.666	2.48	24.123	7.85	3.2	101
5/9/04 6:00	24.89	224.993	2.45	24.139	7.89	3.2	503.4
5/9/04 6:30	24.68	226.505	2.43	24.111	7.89	3.2	6.2
5/9/04 7:00	24.84	225.903	2.44	24.177	7.89	3.2	444.2
5/9/04 7:30	24.22	228.622	2.42	24.136	7.89	3.2	6.1
5/9/04 8:00	24.75	226.116	2.44	24.24	7.88	3.2	86.5
5/9/04 8:30	24.76	226.323	2.43	24.28	7.88	3.1	951
5/9/04 9:00	24.39	228.265	2.42	24.26	7.88	3.1	6.1
5/9/04 9:30	24.82	226.422	2.43	24.381	7.88	3.1	36.5
5/9/04 10:00	24.86	226.744	2.42	24.422	7.87	3.1	2335.9
5/9/04 10:30	24.34	229.354	2.4	24.401	7.87	3.1	6.1
5/9/04 11:00	24.79	226.921	2.42	24.521	7.87	3.1	183
5/9/04 11:30	24.61	227.127	2.42	24.56	7.86	3.4	115.9
5/9/04 12:00	24.55	226.891	2.43	24.646	7.86	4.6	2513.3
5/9/04 12:30	23.52	232.199	2.39	24.544	7.86	7.2	6.1
5/9/04 13:00	24.73	227.032	2.42	24.703	7.86	10.7	2283.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/9/04 13:30	24.04	230.762	2.39	24.65	7.86	7.7	6.1
5/9/04 14:00	24.81	226.963	2.42	24.754	7.87	19.2	569.2
5/9/04 14:30	24.9	227.239	2.41	24.78	7.86	18.3	395.4
5/9/04 15:00	23.98	232.018	2.37	24.658	7.88	28.4	6.2
5/9/04 15:30	24.93	227.972	2.39	24.772	7.88	32.8	74.5
5/9/04 16:00	24.93	228.422	2.39	24.786	7.88	35.9	91.7
5/9/04 16:30	24.95	228.651	2.38	24.769	7.88	38	2516.4
5/9/04 17:00	23.88	234.526	-1.2	24.61	7.89	38.9	6.1
5/9/04 17:30	25.03	229.146	-1.24	24.754	7.89	39.6	30.4
5/9/04 18:00	24.99	229.428	-1.24	24.706	7.88	29.4	2516.6
5/9/04 18:30	24.26	232.96	-0.58	24.617	7.88	19.8	6.2
5/9/04 19:00	25.05	229.261	-1.24	24.675	7.89	39.3	56.4
5/9/04 19:30	25.01	229.59	-1.23	24.685	7.88	38.2	2516.7
5/9/04 20:00	24.97	229.825	-1.23	24.648	7.89	35.6	1239.5
5/9/04 20:30	24.69	231.33	-0.81	24.582	7.89	31.8	6.4
5/9/04 21:00	24.97	229.939	-1.09	24.579	7.88	21.4	26.5
5/9/04 21:30	24.96	230.011	-0.99	24.578	7.88	26.2	2516.2
5/9/04 22:00	24.95	230.137	-0.97	24.538	7.88	20.4	1648
5/9/04 22:30	24.86	230.626	-0.96	24.524	7.87	16.1	2140.7
5/9/04 23:00	24.21	233.656	-0.9	24.384	7.87	12.7	6.3
5/9/04 23:30	24.2	232.766	-0.82	24.373	7.86	8.3	2510.4
5/10/04 0:00	24.53	232.431	-0.38	24.347	7.86	6.5	6.1
5/10/04 0:30	24.87	231.095	-0.7	24.372	7.85	4.4	416.8
5/10/04 1:00	24.74	231.588	-0.47	24.305	7.85	3.2	6.3
5/10/04 1:30	24.94	230.839	-0.6	24.283	7.85	3.1	65.2
5/10/04 2:00	24.88	231.136	-0.58	24.249	7.84	3.1	2515.6
5/10/04 2:30	24.13	234.832	-0.21	24.099	7.84	3.1	6.1
5/10/04 3:00	24.2	234.377	-0.2	24.076	7.84	3.1	6.1
5/10/04 3:30	24.24	234.38	-0.18	24.048	7.83	3.2	6.2
5/10/04 4:00	24.27	234.321	-0.23	24.019	7.83	3.1	6.1
5/10/04 4:30	24.3	234.541	-0.2	24.001	7.83	3.2	6.1
5/10/04 5:00	24.45	234.851	-0.16	23.975	7.85	3.2	6.1
5/10/04 5:30	24.5	235.157	-0.18	23.938	7.85	3.1	6.1
5/10/04 6:00	24.51	235.435	-0.16	23.938	7.85	3.1	6.1
5/10/04 6:30	24.51	235.608	-0.16	23.908	7.84	3.2	6.1
5/10/04 7:00	24.42	236.28	-0.14	23.907	7.84	3.1	6.1
5/10/04 7:30	25.02	233.563	-0.31	23.985	7.84	3.1	2516.7
5/10/04 8:00	24.79	234.712	-0.2	23.957	7.83	3.1	6.1
5/10/04 8:30	25	233.954	-0.3	24.02	7.82	3.1	2516.6
5/10/04 9:00	25.04	233.739	-0.3	24.055	7.83	3.1	506.8
5/10/04 9:30	24.77	235.296	-0.23	24.043	7.82	3.1	6
5/10/04 10:00	24.96	234.49	-0.28	24.125	7.81	3.1	2312.3
5/10/04 10:30	25	234.376	-0.33	24.172	7.82	3.1	1011.6
5/10/04 11:00	24.98	234.686	-0.29	24.209	7.81	3.1	2445.9
5/10/04 11:30	24.68	236.16	-0.26	24.215	7.81	3.4	5.9
5/10/04 12:00	24.42	237.6	-0.13	24.239	7.81	5.3	6
5/10/04 12:30	24.42	237.728	-0.16	24.285	7.81	7.7	6
5/10/04 13:00	24.41	237.989	-0.15	24.323	7.81	11.2	6.1
5/10/04 13:30	24.41	237.045	-0.11	24.394	7.81	15.1	6.1
5/10/04 14:00	24.46	236.645	-0.14	24.43	7.82	22.9	6.1
5/10/04 14:30	24.46	236.063	-0.12	24.473	7.82	28.2	6.1
5/10/04 15:00	24.37	236.684	-0.13	24.497	7.83	27.8	6.2
5/10/04 15:30	24.36	236.619	-0.07	24.502	7.81	17.4	6.2
5/10/04 16:00	25.09	233.586	-0.25	24.593	7.82	40	90.9
5/10/04 16:30	24.62	236.327	-0.03	24.529	7.82	38	6.2
5/10/04 17:00	25.05	233.639	-0.12	24.605	7.81	19.2	59.8
5/10/04 17:30	25.03	234.625	-0.06	24.573	7.82	41.9	766.9
5/10/04 18:00	25.01	234.699	-0.08	24.578	7.82	37.8	112.4
5/10/04 18:30	25.01	235.233	-0.7	24.561	7.82	42.8	2516.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/10/04 19:00	24.61	237.241	-0.19	24.498	7.83	44.3	6.1
5/10/04 19:30	25.02	235.972	0.09	24.511	7.82	39.4	61.7
5/10/04 20:00	24.99	236.187	0.42	24.493	7.82	34.9	2222.4
5/10/04 20:30	24.54	238.084	0.56	24.431	7.81	36	6.1
5/10/04 21:00	24.99	236.418	0.55	24.46	7.81	11.2	92.2
5/10/04 21:30	24.36	239.114	0.45	24.368	7.82	27.3	6.1
5/10/04 22:00	25	236.178	0.23	24.434	7.8	14.9	54.8
5/10/04 22:30	24.96	236.535	0.22	24.408	7.8	16.3	1091.3
5/10/04 23:00	24.94	237.029	0.21	24.378	7.8	11.5	55.4
5/10/04 23:30	24.92	237.681	0.19	24.34	7.79	9.3	1771.1
5/11/04 0:00	24.56	238.146	0.18	24.307	7.78	5.8	527.6
5/11/04 0:30	24.17	239.446	0.18	24.252	7.78	4.4	6.1
5/11/04 1:00	24.54	237.724	0.16	24.27	7.77	3.2	9.5
5/11/04 1:30	23.97	240.477	0.17	24.174	7.77	3.2	6.2
5/11/04 2:00	23.76	241.137	0.16	24.118	7.76	3.2	6.2
5/11/04 2:30	24.48	237.494	0.16	24.206	7.76	3.2	1492.7
5/11/04 3:00	24.04	239.634	0.16	24.116	7.77	3.2	6.1
5/11/04 3:30	23.76	240.912	0.16	24.05	7.76	3.1	6.1
5/11/04 4:00	24.48	237.658	0.15	24.105	7.75	3.1	2317.4
5/11/04 4:30	23.98	239.686	0.14	24.041	7.74	3.2	6.1
5/11/04 5:00	23.79	240.782	0.13	23.964	7.74	3.1	6.1
5/11/04 5:30	23.84	240.629	0.13	23.935	7.75	3.1	6
5/11/04 6:00	23.88	240.44	0.12	23.936	7.73	3.1	6.1
5/11/04 6:30	23.96	240.296	0.12	23.933	7.74	3.1	6.1
5/11/04 7:00	23.95	240.449	0.11	23.905	7.73	3.2	6.1
5/11/04 7:30	23.97	240.502	0.1	23.887	7.73	3.2	6.2
5/11/04 8:00	24.01	240.528	0.1	23.896	7.73	3.1	6.1
5/11/04 8:30	23.96	240.602	0.1	23.89	7.74	3.1	6.1
5/11/04 9:00	23.97	240.757	0.09	23.893	7.72	3.1	5.9
5/11/04 9:30	23.99	240.799	0.09	23.942	7.72	3.2	5.9
5/11/04 10:00	23.95	240.907	0.08	23.947	7.71	3.2	6.1
5/11/04 10:30	24.63	238	0.06	24.06	7.69	3.1	107
5/11/04 11:00	24.6	238.162	0.06	24.097	7.7	3.2	204.2
5/11/04 11:30	24.11	240.559	0.07	24.074	7.7	3.3	6.1
5/11/04 12:00	24.66	237.503	0.05	24.212	7.68	4.5	103.9
5/11/04 12:30	24.64	238.65	0.05	24.209	7.68	4.7	267.5
5/11/04 13:00	24.07	241.173	0.05	24.182	7.68	10.4	6.1
5/11/04 13:30	24.68	237.648	0.05	24.304	7.67	9.5	139.8
5/11/04 14:00	24.16	239.851	0.07	24.275	7.69	16.8	6.1
5/11/04 14:30	24.71	238.564	0.07	24.333	7.69	25.5	261
5/11/04 15:00	24.16	241.448	0.09	24.298	7.69	26.9	6.1
5/11/04 15:30	24.75	238.71	0.08	24.389	7.69	32.9	167
5/11/04 16:00	24.03	240.471	0.15	24.36	7.74	29.7	6.4
5/11/04 16:30	24.66	236.768	0.12	24.458	7.74	23.9	105.8
5/11/04 17:00	24.49	236.516	0.16	24.451	7.77	38	117.8
5/11/04 17:30	24.38	236.051	0.17	24.493	7.78	23.7	368
5/11/04 18:00	23.7	239.255	0.2	24.392	7.77	39.9	250.9
5/11/04 18:30	24.13	236.337	0.18	24.464	7.79	31.3	146.7
5/11/04 19:00	24.03	236.698	0.19	24.427	7.78	24.1	92.1
5/11/04 19:30	23.96	237.732	0.2	24.417	7.78	26.1	95
5/11/04 20:00	23.98	237.288	0.19	24.401	7.79	33.1	236.9
5/11/04 20:30	23.77	238.016	0.19	24.364	7.78	26	2109.2
5/11/04 21:00	23.19	240.513	0.17	24.281	7.77	15.6	6.2
5/11/04 21:30	23.78	238.215	0.17	24.332	7.76	14.8	544
5/11/04 22:00	23.26	241.695	0.17	24.226	7.77	12.3	6.2
5/11/04 22:30	23.13	241.42	0.16	24.198	7.76	10.8	6.2
5/11/04 23:00	23.24	240.94	0.15	24.206	7.76	8.7	6.2
5/11/04 23:30	23.23	240.601	0.14	24.215	7.76	9	6.1
5/12/04 0:00	23.28	241.062	0.12	24.196	7.76	4	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/12/04 0:30	23.37	240.482	0.13	24.193	7.77	3.6	6.1
5/12/04 1:00	23.62	240.598	0.13	24.19	7.78	3.2	6.2
5/12/04 1:30	23.8	241.069	0.12	24.165	7.77	3.1	6.1
5/12/04 2:00	23.89	241.651	0.12	24.153	7.78	3.1	6.1
5/12/04 2:30	23.48	242.124	0.12	24.12	7.77	3.1	6.2
5/12/04 3:00	23.38	241.802	0.1	24.112	7.76	3.2	6.1
5/12/04 3:30	23.44	241.403	0.09	24.107	7.76	3.1	6.2
5/12/04 4:00	23.43	241.518	0.09	24.07	7.76	3.1	6.1
5/12/04 4:30	23.48	241.58	0.08	24.052	7.75	3.1	6.2
5/12/04 5:00	23.55	241.547	0.08	24.039	7.75	3.1	6.1
5/12/04 5:30	23.55	241.548	0.07	24.013	7.75	3.1	6.1
5/12/04 6:00	23.49	241.469	0.07	24	7.76	3.1	6.1
5/12/04 6:30	23.49	241.785	0.06	23.975	7.75	3.1	6
5/12/04 7:00	23.5	241.94	0.05	23.955	7.76	3.1	6.1
5/12/04 7:30	23.52	242.074	0.05	23.952	7.77	3.1	6.1
5/12/04 8:00	23.5	242.03	0.05	23.935	7.76	3.1	6
5/12/04 8:30	23.53	242.579	0.04	23.923	7.75	3.1	6
5/12/04 9:00	23.53	242.612	0.03	23.922	7.76	3.1	6
5/12/04 9:30	23.52	242.542	0.02	23.931	7.76	3.1	6.1
5/12/04 10:00	23.31	242.236	0.03	23.957	7.78	3.1	6
5/12/04 10:30	23.31	242.188	0.02	23.969	7.77	3.1	6.1
5/12/04 11:00	23.35	242.15	0.02	24.003	7.76	3.1	6.2
5/12/04 11:30	23.34	242.169	0.02	24.053	7.76	3.3	6.1
5/12/04 12:00	23.38	242.092	-0.01	24.037	7.75	4.4	6
5/12/04 12:30	23.42	241.534	-0.01	24.089	7.75	7.2	6.1
5/12/04 13:00	23.38	241.289	-0.01	24.128	7.76	10.6	6.1
5/12/04 13:30	23.43	242.439	0.01	24.147	7.75	14.4	6.1
5/12/04 14:00	23.47	242.657	0	24.174	7.75	18.9	6.1
5/12/04 14:30	23.6	242.84	-0.03	24.22	7.75	11.5	6.1
5/12/04 15:00	23.64	243.067	-0.02	24.222	7.76	17.3	6.1
5/12/04 15:30	23.66	243.543	0	24.23	7.76	16.2	6.1
5/12/04 16:00	23.79	243.663	0.03	24.238	7.78	19.3	6
5/12/04 16:30	23.87	243.843	0.06	24.247	7.79	28.4	6.1
5/12/04 17:00	23.91	243.974	0.06	24.273	7.8	25.3	6.1
5/12/04 17:30	24.02	243.029	0.03	24.305	7.81	35.1	6.1
5/12/04 18:00	24.03	243.343	0.09	24.301	7.81	36.5	6.1
5/12/04 18:30	23.82	243.624	0.11	24.275	7.81	36.5	6.1
5/12/04 19:00	23.83	243.004	0.11	24.276	7.82	35.8	6.1
5/12/04 19:30	23.85	243.132	0.12	24.246	7.83	32.6	6.1
5/12/04 20:00	23.92	243.36	0.1	24.254	7.82	32.5	6.1
5/12/04 20:30	24.02	243.071	0.09	24.225	7.84	24.9	6.1
5/12/04 21:00	24.43	243.929	0.07	24.188	7.84	25.7	6.1
5/12/04 21:30	24.67	244.995	0.1	24.189	7.83	23.9	6
5/12/04 22:00	24.65	243.669	0.08	24.186	7.82	10.7	6.1
5/12/04 22:30	24.64	245.453	0.07	24.109	7.82	15.9	6.1
5/12/04 23:00	24.66	244.935	0.02	24.11	7.82	9.9	5.9
5/12/04 23:30	24.65	245.871	0.07	24.091	7.81	6.6	5.9
5/13/04 0:00	24.62	245.95	0.07	24.109	7.81	5.8	6
5/13/04 0:30	24.62	245.924	0.07	24.072	7.81	3.9	5.9
5/13/04 1:00	24.63	246.011	0.06	24.063	7.81	3.2	6.1
5/13/04 1:30	24.61	246.102	0	24.082	7.81	3.1	5.9
5/13/04 2:00	24.68	245.838	0.03	24.082	7.8	3.1	5.9
5/13/04 2:30	24.63	246.316	0.07	24.069	7.8	3.1	6
5/13/04 3:00	24.64	246.462	0.07	24.061	7.8	3.1	5.9
5/13/04 3:30	24.63	246.735	0.05	24.056	7.8	3.1	5.9
5/13/04 4:00	24.6	246.796	0.05	24.043	7.8	3.1	5.9
5/13/04 4:30	24.71	246.224	0.01	24.028	7.8	3.1	5.6
5/13/04 5:00	24.67	246.512	0.07	24.043	7.79	3.1	5.9
5/13/04 5:30	24.67	246.527	0.06	24.016	7.79	3.1	6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/13/04 6:00	24.62	246.84	0.05	23.988	7.78	3.1	5.9
5/13/04 6:30	24.62	247.084	0.04	23.998	7.78	3.1	5.9
5/13/04 7:00	24.65	246.871	0.04	23.964	7.77	3.1	5.9
5/13/04 7:30	24.37	247.292	0.04	23.932	7.76	3.1	5.9
5/13/04 8:00	24.31	246.62	0.07	23.946	7.76	3.2	5.9
5/13/04 8:30	24.31	246.713	0.08	23.925	7.75	3.1	6
5/13/04 9:00	24.33	246.576	0.09	23.944	7.75	3.1	5.9
5/13/04 9:30	24.18	246.769	0.09	23.926	7.76	3.1	6.1
5/13/04 10:00	24.22	246.788	0.1	23.909	7.77	3.2	5.9
5/13/04 10:30	24.26	246.742	0.08	23.917	7.76	3.2	6
5/13/04 11:00	24.27	246.815	0.06	23.933	7.76	3.1	5.9
5/13/04 11:30	24.25	247.272	0.08	23.944	7.76	3.4	5.9
5/13/04 12:00	24.27	246.184	0.08	23.948	7.75	4.5	6.1
5/13/04 12:30	24.14	245.969	0.08	23.988	7.76	6.9	6
5/13/04 13:00	24.2	246.432	0.09	23.998	7.77	10.6	6
5/13/04 13:30	24.25	246.845	0.07	24.007	7.79	14.4	6.1
5/13/04 14:00	24.29	246.756	0.12	24.037	7.79	18.2	6.1
5/13/04 14:30	24.29	246.69	0.14	24.07	7.79	16.7	6.1
5/13/04 15:00	24.29	247.149	0.13	24.084	7.79	15.1	6.1
5/13/04 15:30	24.27	246.828	0.14	24.142	7.8	30.5	6
5/13/04 16:00	24.34	246.831	0.15	24.123	7.8	33.9	6
5/13/04 16:30	24.3	246.757	0.14	24.145	7.8	17	6.1
5/13/04 17:00	24.34	246.886	0.14	24.117	7.8	13.9	6.1
5/13/04 17:30	24.35	246.448	0.13	24.127	7.79	11.6	6.1
5/13/04 18:00	24.4	245.888	0.13	24.166	7.8	17.4	6.1
5/13/04 18:30	24.51	241.455	2.18	24.263	7.87	16.8	6.1
5/13/04 19:00	24.56	241.336	2.18	24.288	7.87	20.3	6.1
5/13/04 19:30	23.64	248.423	2.1	24.074	7.88	12.9	6.1
5/13/04 20:00	24.37	243.316	2.15	24.189	7.88	12.7	6.1
5/13/04 20:30	23.66	247.797	2.11	24.073	7.89	28.1	6.1
5/13/04 21:00	23.66	247.995	2.1	24.002	7.88	10.6	6.1
5/13/04 21:30	23.7	247.756	2.1	24.042	7.89	18.9	6.1
5/13/04 22:00	23.72	248.484	2.09	24.006	7.88	11.3	6.1
5/13/04 22:30	23.74	247.767	2.1	24.009	7.88	9.7	6.3
5/13/04 23:00	23.75	247.717	2.1	23.987	7.88	7.3	6.2
5/13/04 23:30	23.68	250.65	2.06	23.899	7.88	6.4	6.1
5/14/04 0:00	23.63	250.902	2.05	23.927	7.88	4.7	6.2
5/14/04 0:30	23.62	251.017	2.05	23.92	7.88	3.6	6.3
5/14/04 1:00	23.63	251.12	2.05	23.906	7.87	3.2	6.5
5/14/04 1:30	23.66	251.328	2.05	23.957	7.88	3.2	6.1
5/14/04 2:00	24.33	246.435	2.1	24.047	7.87	3.1	6.1
5/14/04 2:30	24.34	246.492	2.1	24.098	7.87	3.2	6.1
5/14/04 3:00	24.32	247.143	2.09	24.123	7.86	3.1	6.1
5/14/04 3:30	23.77	251.175	2.04	23.929	7.88	3.2	6.1
5/14/04 4:00	24.32	248.853	2.06	24.017	7.87	3.1	6
5/14/04 4:30	24.39	248.696	2.06	24.065	7.87	3.2	6
5/14/04 5:00	24.5	246.447	2.09	24.103	7.87	3.1	6.1
5/14/04 5:30	24.48	246.712	2.09	24.112	7.87	3.2	6.1
5/14/04 6:00	24.48	246.906	2.09	24.087	7.86	3.2	6.1
5/14/04 6:30	24.48	247.041	-1.08	24.069	7.85	3.1	6.1
5/14/04 7:00	24.48	247.145	-1.08	24.076	7.85	3.1	6.1
5/14/04 7:30	24.41	247.761	-1.08	24.015	7.84	3.2	6.1
5/14/04 8:00	24.4	247.83	-1.08	24.016	7.83	3.1	6.1
5/14/04 8:30	24.41	247.486	-1.04	24.017	7.83	3.1	6
5/14/04 9:00	24.38	249.141	-0.79	23.946	7.83	3.2	6.1
5/14/04 9:30	24.31	249.137	-0.67	23.982	7.84	3.1	6
5/14/04 10:00	24.31	249.302	-0.53	23.938	7.83	3.2	6.2
5/14/04 10:30	24.34	248.238	-0.47	23.947	7.82	3.2	6.1
5/14/04 11:00	24.34	248.4	-0.45	23.933	7.82	3.2	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/14/04 11:30	24.36	248.51	-0.44	23.937	7.8	3.2	6
5/14/04 12:00	24.37	248.479	-0.42	23.97	7.8	3.3	6.1
5/14/04 12:30	24.4	246.785	-0.42	24.021	7.81	3.6	6
5/14/04 13:00	24.44	246.793	-0.41	24.001	7.85	4.7	6
5/14/04 13:30	24.44	246.998	-0.4	23.981	7.85	5.1	6
5/14/04 14:00	24.43	247.554	-0.4	23.966	7.84	5.2	6.1
5/14/04 14:30	24.43	247.1	-0.39	24.035	7.84	6.7	6
5/14/04 15:00	24.43	247.168	-0.39	24.027	7.84	11.1	6.1
5/14/04 15:30	24.44	247.743	-0.37	24.027	7.83	20.9	6.1
5/14/04 16:00	24.43	247.462	-0.37	24.065	7.84	30	6.1
5/14/04 16:30	24.47	246.728	-0.32	24.097	7.84	33.9	6.1
5/14/04 17:00	24.47	246.988	-0.33	24.056	7.83	34.4	6.1
5/14/04 17:30	24.48	247.164	-0.31	24.043	7.84	31.1	6.2
5/14/04 18:00	24.49	247.403	-0.3	24.037	7.83	31.1	6.1
5/14/04 18:30	24.48	246.933	-0.35	24.062	7.84	31.9	6.2
5/14/04 19:00	24.54	243.962	2.13	24.12	7.88	32.7	6.1
5/14/04 19:30	24.56	244.016	-1.11	24.104	7.89	29.7	6.1
5/14/04 20:00	24.56	244.095	-1.11	24.073	7.89	23.4	6.2
5/14/04 20:30	24.47	244.684	-1.1	24.045	7.89	17.6	6.1
5/14/04 21:00	24.5	244.34	-1.11	24.07	7.89	17.4	6.2
5/14/04 21:30	24.49	244.877	-1	24.038	7.89	12	6.1
5/14/04 22:00	24.45	244.834	-0.92	24.029	7.88	10.5	6.1
5/14/04 22:30	24.38	245.322	-0.89	23.997	7.88	9.1	6.2
5/14/04 23:00	24.38	245.227	-0.85	23.964	7.88	8.6	6.2
5/14/04 23:30	24.39	246.069	-0.81	23.952	7.88	6.3	6.1
5/15/04 0:00	24.4	247.474	-0.77	23.932	7.88	4.8	6.2
5/15/04 0:30	24.38	247.24	-0.76	23.93	7.88	4	6.1
5/15/04 1:00	24.43	247.153	-0.7	23.927	7.87	3.2	6.2
5/15/04 1:30	24.42	247.176	-0.66	23.933	7.87	3.2	6.1
5/15/04 2:00	24.36	247.616	-0.64	23.956	7.88	3.1	24.8
5/15/04 2:30	24.34	247.967	-0.58	23.946	7.87	3.1	6.1
5/15/04 3:00	24.34	248.075	-0.58	23.999	7.87	3.1	6.1
5/15/04 3:30	24.34	248.234	-0.56	23.965	7.87	3.2	6.1
5/15/04 4:00	24.32	248.174	-0.5	24.022	7.87	3.2	6.1
5/15/04 4:30	24.32	248.312	-0.45	24.063	7.87	3.1	6.1
5/15/04 5:00	24.41	248.129	-0.46	24.069	7.86	3.2	6.1
5/15/04 5:30	24.34	248.6	-0.43	24.067	7.86	3.2	6
5/15/04 6:00	24.3	248.084	-0.41	24.094	7.88	3.1	6.1
5/15/04 6:30	24.32	248.691	-0.39	24.098	7.88	3.1	6.1
5/15/04 7:00	24.32	248.889	-0.38	24.062	7.86	3.2	6
5/15/04 7:30	24.32	248.827	-0.37	24.065	7.86	3.1	6.1
5/15/04 8:00	24.33	248.968	-0.34	24.068	7.86	3.1	6
5/15/04 8:30	24.34	249.044	-0.35	24.043	7.86	3.2	6.1
5/15/04 9:00	24.33	249.078	-0.32	24.068	7.84	3.2	6.1
5/15/04 9:30	24.35	249.176	-0.33	24.087	7.84	3.2	6.1
5/15/04 10:00	24.35	249.273	-0.3	24.016	7.84	3.1	6.1
5/15/04 10:30	24.08	250.658	-0.3	24.003	7.87	3.1	6.1
5/15/04 11:00	24.1	249.165	-0.26	24.024	7.87	3.2	6.1
5/15/04 11:30	24.11	250.809	-0.26	23.97	7.86	3.3	6.1
5/15/04 12:00	24.12	249.433	-0.26	23.998	7.86	4.7	6.1
5/15/04 12:30	24.12	249.783	-0.25	23.971	7.86	8	6.1
5/15/04 13:00	24.13	249.605	-0.24	23.988	7.85	10.4	6.1
5/15/04 13:30	24.12	249.253	-0.24	23.977	7.85	11.9	6.1
5/15/04 14:00	24.14	249.368	-0.23	23.995	7.85	11.9	6.1
5/15/04 14:30	24.16	249.297	-0.22	23.992	7.84	12.1	6.1
5/15/04 15:00	24.18	249.254	-0.21	24.003	7.84	21.9	6.1
5/15/04 15:30	24.19	249.453	-0.2	23.98	7.84	18.2	6.2
5/15/04 16:00	24.23	248.814	-0.2	23.985	7.84	11.5	6.2
5/15/04 16:30	24.24	250.582	-0.19	23.982	7.83	9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/15/04 17:00	24.28	250.066	-0.19	24	7.83	7	6.1
5/15/04 17:30	24.25	250.365	-0.18	23.955	7.83	8.7	6.2
5/15/04 18:00	24.27	250.991	-0.16	23.913	7.83	14.9	6.2
5/15/04 18:30	24.23	252.457	-0.15	23.853	7.84	25.7	6.1
5/15/04 19:00	24.19	252.619	-0.15	23.87	7.84	23.3	6.1
5/15/04 19:30	24.17	250.9	-0.18	23.925	7.84	29.2	6.2
5/15/04 20:00	24.2	251.466	-0.14	23.864	7.84	21.4	6.2
5/15/04 20:30	24.21	250.994	-0.14	23.897	7.84	26.7	6.1
5/15/04 21:00	24.22	250.948	-0.13	23.879	7.84	18.6	6.4
5/15/04 21:30	24.22	251.472	-0.14	23.813	7.84	16.3	6.2
5/15/04 22:00	24.23	251.963	-0.14	23.749	7.84	16.4	6.1
5/15/04 22:30	24.25	252.139	-0.17	23.789	7.83	10.8	6.2
5/15/04 23:00	24.23	252.569	-0.13	23.754	7.82	6	6.2
5/15/04 23:30	24.24	251.431	-0.14	23.761	7.83	9.4	6.2
5/16/04 0:00	24.22	252.893	-0.12	23.687	7.83	6.7	6.2
5/16/04 0:30	24.23	253.852	-0.11	23.688	7.82	4.1	6.1
5/16/04 1:00	24.23	253.816	-0.14	23.739	7.82	3.3	6.1
5/16/04 1:30	24.24	253.829	-0.13	23.731	7.81	3.2	7.5
5/16/04 2:00	24.23	253.839	-0.12	23.763	7.81	3.1	6.2
5/16/04 2:30	24.22	253.926	-0.13	23.737	7.81	3.2	6.1
5/16/04 3:00	24.22	253.994	-0.13	23.766	7.8	3.2	6
5/16/04 3:30	24.23	253.91	-0.12	23.841	7.8	3.2	6.1
5/16/04 4:00	24.23	254.02	-0.14	23.87	7.79	3.1	6.1
5/16/04 4:30	24.24	254.062	-0.12	23.864	7.79	3.2	6.1
5/16/04 5:00	24.23	253.997	-0.12	23.864	7.78	3.1	6.1
5/16/04 5:30	24.02	253.77	-0.11	23.907	7.81	3.2	6.1
5/16/04 6:00	23.63	254.925	-0.15	23.878	7.81	3.2	6.1
5/16/04 6:30	23.82	254.074	-0.1	23.964	7.79	3.1	6.1
5/16/04 7:00	23.39	254.219	-0.13	23.96	7.79	3.1	6.1
5/16/04 7:30	23.18	253.608	-0.1	23.994	7.8	3.1	6.1
5/16/04 8:00	23.31	253.488	-0.09	23.99	7.79	3.2	6.1
5/16/04 8:30	23.33	253.566	-0.13	24.006	7.78	3	6.1
5/16/04 9:00	23.36	253.464	-0.1	23.976	7.78	3.1	6.1
5/16/04 9:30	23.39	253.735	-0.1	23.993	7.77	3.1	6.3
5/16/04 10:00	23.43	253.778	-0.15	23.988	7.76	3.1	6.1
5/16/04 10:30	23.37	245.148	-0.11	24.206	7.76	3.1	6.1
5/16/04 11:00	23.4	235.195	-0.17	24.421	7.75	3.1	6.1
5/16/04 11:30	23.41	232.242	-0.2	24.502	7.75	3.3	6.1
5/16/04 12:00	23.43	232.831	-0.17	24.505	7.75	4.3	6.1
5/16/04 12:30	23.45	234.301	-0.21	24.451	7.75	6.2	6.2
5/16/04 13:00	23.46	235.917	-0.26	24.386	7.74	7.6	6.1
5/16/04 13:30	23.49	235.515	-0.28	24.398	7.74	13.7	6.2
5/16/04 14:00	23.5	236.572	-0.3	24.347	7.75	17.5	6.1
5/16/04 14:30	23.51	236.161	-0.36	24.349	7.74	15.6	6.7
5/16/04 15:00	23.53	233.742	-0.4	24.427	7.74	15.8	6.1
5/16/04 15:30	23.57	233.159	-0.4	24.424	7.74	25.7	6.2
5/16/04 16:00	23.57	231.272	-0.35	24.493	7.72	23.9	6.2
5/16/04 16:30	23.32	231.484	-0.27	24.462	7.8	34.1	6.1
5/16/04 17:00	23.4	233.022	-0.24	24.423	7.81	41.1	6.2
5/16/04 17:30	23.4	238.811	-0.26	24.268	7.81	29.9	6.2
5/16/04 18:00	23.35	236.46	-0.23	24.292	7.8	35.3	6.1
5/16/04 18:30	23.25	236.353	-0.2	24.334	7.8	39.7	6.3
5/16/04 19:00	23.03	235.091	-0.27	24.313	7.8	40	6.2
5/16/04 19:30	23.01	237.461	-0.29	24.242	7.81	25.9	6.2
5/16/04 20:00	23.03	238.274	-0.26	24.183	7.8	27.8	6.2
5/16/04 20:30	23.04	239.288	-0.36	24.104	7.8	19	6.2
5/16/04 21:00	23.07	238.282	-0.41	24.126	7.8	14.3	6.2
5/16/04 21:30	23.09	234.707	-0.41	24.189	7.81	16.6	6.3
5/16/04 22:00	23.11	233.67	-0.35	24.191	7.8	20.1	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/16/04 22:30	22.92	235.945	-0.37	24.106	7.8	14.2	6.2
5/16/04 23:00	22.9	229.614	-0.38	24.26	7.79	12.4	6.3
5/16/04 23:30	22.91	233.024	-0.46	24.146	7.76	7	6.2
5/17/04 0:00	22.91	232.665	-0.49	24.166	7.77	6.1	6.2
5/17/04 0:30	22.43	201.299	-0.58	24.882	7.77	4.2	6.2
5/17/04 1:00	22.89	212.362	-0.45	24.63	7.76	3.2	6.2
5/17/04 1:30	22.54	232.442	-0.37	24.178	7.77	3.2	6.2
5/17/04 2:00	22.22	234.233	-0.4	24.139	7.77	3	6.2
5/17/04 2:30	22.92	233.831	-0.41	24.18	7.77	3	6.2
5/17/04 3:00	23.23	232.53	-0.34	24.241	7.77	3.1	6.2
5/17/04 3:30	22.97	232.431	-0.36	24.269	7.76	3.1	6.5
5/17/04 4:00	22.5	234.468	-0.4	24.238	7.77	3.1	6.1
5/17/04 4:30	23.3	231.018	-0.4	24.358	7.76	3.1	6.2
5/17/04 5:00	23.16	231.749	-0.45	24.401	7.76	3.2	6.2
5/17/04 5:30	22.55	233.732	-0.52	24.374	7.77	3.1	6.1
5/17/04 6:00	22.44	233.997	-0.44	24.39	7.76	3.1	6.1
5/17/04 6:30	22.95	232.99	-0.42	24.46	7.77	3.1	6.1
5/17/04 7:00	22.06	235.772	-0.43	24.401	7.78	3	6.1
5/17/04 7:30	22.94	232.423	-0.53	24.5	7.79	3	6.1
5/17/04 8:00	22.31	234.279	-0.38	24.452	7.78	3	6.1
5/17/04 8:30	22.19	234.443	-0.41	24.478	7.77	3	8.9
5/17/04 9:00	22.02	231.83	-0.44	24.555	7.8	3.1	9.8
5/17/04 9:30	22.89	227.47	-0.44	24.669	7.8	3.1	6.2
5/17/04 10:00	23.13	224.842	-0.48	24.754	7.8	3	6.2
5/17/04 10:30	23.27	224.131	-0.46	24.764	7.8	3	6.1
5/17/04 11:00	22.88	211.705	-0.53	25.053	7.79	3	6.1
5/17/04 11:30	22.7	211.233	-0.68	25.057	7.78	2.9	6.1
5/17/04 12:00	22.86	213.092	-0.53	25.004	7.79	4.1	6.1
5/17/04 12:30	22.86	214.078	-0.42	24.973	7.78	5.9	6.1
5/17/04 13:00	23.11	212.782	-0.47	25.02	7.77	9.1	6.1
5/17/04 13:30	23.06	212.886	-0.35	24.998	7.78	13	6.1
5/17/04 14:00	22.95	213.627	-0.43	24.965	7.78	18.7	6.1
5/17/04 14:30	23.28	211.287	-0.42	24.995	7.79	13.2	6.1
5/17/04 15:00	23.37	212.209	-0.43	24.96	7.78	23.9	6.2
5/17/04 15:30	23.41	211.5	-0.4	24.978	7.8	25.4	6.1
5/17/04 16:00	22.88	218.523	-0.35	24.836	7.8	25.3	6.2
5/17/04 16:30	22.75	215.764	-0.42	24.875	7.81	28.7	6.2
5/17/04 17:00	22.79	214.868	-0.53	24.88	7.81	34.2	6.1
5/17/04 17:30	23.34	212.568	-0.38	24.951	7.82	38.1	6.1
5/17/04 18:00	22.51	216.756	-0.52	24.811	7.83	39	6.2
5/17/04 18:30	22.25	223.318	-0.55	24.63	7.83	38.4	6.1
5/17/04 19:00	23.28	221.595	-0.49	24.661	7.83	29.4	6.1
5/17/04 19:30	23.31	228.862	-0.37	24.48	7.82	37.4	6.2
5/17/04 20:00	22.05	233.521	-0.45	24.31	7.83	35.5	6.2
5/17/04 20:30	22.3	223.017	-0.43	24.543	7.84	31.6	6.2
5/17/04 21:00	22.82	242.741	-0.32	24.04	7.82	8.9	6.2
5/17/04 21:30	22.87	226.409	-0.35	24.401	7.82	25.1	6.2
5/17/04 22:00	23.01	224.448	-0.41	24.434	7.82	20.4	6.2
5/17/04 22:30	23.23	222.6	-0.43	24.446	7.82	16.4	6.2
5/17/04 23:00	22.7	236.49	-0.51	24.086	7.81	12.7	6.2
5/17/04 23:30	21.94	232.017	-0.64	24.147	7.81	9.1	6.2
5/18/04 0:00	21.82	234.612	-0.51	24.077	7.81	6.1	6.2
5/18/04 0:30	23.15	229.563	-0.47	24.194	7.8	4.6	6.2
5/18/04 1:00	21.96	243.144	-0.43	23.875	7.81	3.3	6.2
5/18/04 1:30	22.16	249.989	-0.42	23.709	7.81	3	6.2
5/18/04 2:00	21.91	251.639	-0.42	23.667	7.8	3.3	6.2
5/18/04 2:30	23.01	244.573	-0.38	23.865	7.79	3	6.2
5/18/04 3:00	22.67	255.834	-0.34	23.615	7.79	3	6.1
5/18/04 3:30	23.08	243.451	-0.37	23.951	7.79	3	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/18/04 4:00	23.14	244.584	-0.31	23.949	7.79	3	7.2
5/18/04 4:30	21.92	257.15	-0.31	23.664	7.79	3.1	6.2
5/18/04 5:00	22.7	259.092	-0.34	23.654	7.79	3.1	6.1
5/18/04 5:30	22.7	259.381	-0.34	23.692	7.78	3.1	6.1
5/18/04 6:00	22.76	259.186	-0.36	23.725	7.77	3.1	6.8
5/18/04 6:30	22.72	259.4	-0.3	23.763	7.77	3.1	6.2
5/18/04 7:00	22.74	259.243	-0.27	23.798	7.77	3.1	6.1
5/18/04 7:30	22.83	259.253	-0.31	23.808	7.79	3.1	6.1
5/18/04 8:00	22.89	259.427	-0.26	23.835	7.81	3.1	6
5/18/04 8:30	22.89	259.424	-0.24	23.859	7.8	3.1	6
5/18/04 9:00	22.78	260.072	-0.21	23.858	7.81	3.1	6.1
5/18/04 9:30	22.77	259.906	-0.23	23.879	7.8	3.1	6.1
5/18/04 10:00	22.72	235.411	-0.25	24.515	7.8	3.1	6.1
5/18/04 10:30	22.62	234.642	-0.3	24.538	7.79	3.1	6.1
5/18/04 11:00	22.64	234.892	-0.57	24.535	7.8	3.1	6.1
5/18/04 11:30	22.6	238.815	-0.51	24.425	7.79	3.4	6
5/18/04 12:00	22.6	237.012	-0.42	24.48	7.78	4.9	6
5/18/04 12:30	22.61	236.858	-0.27	24.477	7.78	7.3	6
5/18/04 13:00	22.61	236.006	-0.26	24.495	7.78	10.6	6.1
5/18/04 13:30	22.6	238.475	-0.28	24.42	7.78	13.8	6.1
5/18/04 14:00	22.6	235.003	-0.26	24.494	7.78	18.3	6.1
5/18/04 14:30	22.63	235.148	-0.27	24.475	7.78	18.6	6.2
5/18/04 15:00	22.65	236.356	-0.25	24.428	7.78	12.2	6.2
5/18/04 15:30	22.71	237.485	-0.32	24.393	7.78	13.3	6.2
5/18/04 16:00	22.7	236.054	-0.33	24.416	7.78	36.7	6.2
5/18/04 16:30	22.69	260.581	-0.22	23.775	7.78	18	6.1
5/18/04 17:00	22.69	258.014	-0.19	23.834	7.79	37.1	6.2
5/18/04 17:30	22.71	258.553	-0.17	23.807	7.79	38.7	6.2
5/18/04 18:00	22.72	258.188	-0.2	23.794	7.8	40.9	6.1
5/18/04 18:30	22.73	258.438	-0.28	23.775	7.82	39.9	6.2
5/18/04 19:00	22.83	255.734	2.01	23.816	7.87	38.2	6.2
5/18/04 19:30	22.86	255.862	2	23.783	7.88	36.8	6.2
5/18/04 20:00	22.87	255.956	-0.96	23.776	7.89	35.1	6.2
5/18/04 20:30	22.84	256.025	-0.7	23.72	7.91	35.5	6.1
5/18/04 21:00	23.18	254.407	2.01	23.729	7.89	29.2	347.4
5/18/04 21:30	23.09	254.643	2.01	23.706	7.89	32.6	557.9
5/18/04 22:00	22.42	237.012	1.79	24.108	7.87	9.7	6.2
5/18/04 22:30	23.1	234.874	1.23	24.127	7.88	17.4	2278.8
5/18/04 23:00	23.55	252.395	2.03	23.664	7.87	13.9	6.2
5/18/04 23:30	22.66	258.392	-0.49	23.496	7.88	10	6.4
5/19/04 0:00	22.96	256.306	1.99	23.517	7.87	7.1	403.9
5/19/04 0:30	22.99	256.269	1.99	23.5	7.87	4.7	391.6
5/19/04 1:00	23.07	258.244	1.96	23.452	7.87	3.3	2230.7
5/19/04 1:30	22.13	262.635	-0.97	23.323	7.87	3.2	6.1
5/19/04 2:00	23.2	255.353	1.09	23.524	7.86	3.3	443.6
5/19/04 2:30	22.21	266.096	-0.94	23.229	7.87	3.1	6.2
5/19/04 3:00	22.98	259.629	1.94	23.427	7.86	3.1	10
5/19/04 3:30	23.49	258.123	1.23	23.501	7.86	3	2505
5/19/04 4:00	23.04	259.173	1.94	23.489	7.86	3	350.7
5/19/04 4:30	23.08	260.33	1.19	23.507	7.85	3.1	2334.8
5/19/04 5:00	22.13	251.707	-0.76	23.755	7.85	3	6.5
5/19/04 5:30	21.93	259.328	-0.41	23.596	7.85	3.2	6.1
5/19/04 6:00	23.08	241.939	-1.14	24.079	7.84	3.1	404.5
5/19/04 6:30	22.24	245.989	-0.58	24.012	7.84	3.1	6
5/19/04 7:00	22.67	244.192	-1.13	24.097	7.83	3.1	2498.7
5/19/04 7:30	23.14	241.724	-1.14	24.207	7.81	3.1	12.4
5/19/04 8:00	23.56	234.779	-1.2	24.429	7.81	3	611.2
5/19/04 8:30	23.33	234	-1.21	24.474	7.82	3	11.1
5/19/04 9:00	23.43	235.452	-1.2	24.454	7.85	3.1	667.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/19/04 9:30	22.22	237.096	-0.75	24.436	7.85	2.9	2495.3
5/19/04 10:00	23.45	233.742	-0.74	24.557	7.83	3.7	1931.3
5/19/04 10:30	23.02	235.373	-0.61	24.537	7.84	3.7	826.1
5/19/04 11:00	23.18	234.35	-0.6	24.561	7.85	2.5	525.8
5/19/04 11:30	22.51	240.231	-0.62	24.429	7.85	3.3	432.4
5/19/04 12:00	22.17	235.578	-0.59	24.526	7.85	5	385.4
5/19/04 12:30	22.07	245.51	-0.55	24.289	7.84	8	347.9
5/19/04 13:00	22.81	241.175	-0.55	24.412	7.84	7.4	367.4
5/19/04 13:30	22.84	230.25	-0.7	24.664	7.84	16.7	764.7
5/19/04 14:00	22.76	232.227	-0.86	24.604	7.84	19.9	1901.7
5/19/04 14:30	22.17	237.102	-1.05	24.466	7.84	24.3	2420.5
5/19/04 15:00	23.4	228.038	-1.18	24.705	7.85	28.2	2504
5/19/04 15:30	23.04	233.078	-1.07	24.567	7.85	31.4	2501.3
5/19/04 16:00	23.47	228.715	-1.11	24.659	7.84	35.7	1216.1
5/19/04 16:30	22.36	237.293	-1.1	24.428	7.85	37.9	60.7
5/19/04 17:00	22.11	238.773	-1.07	24.367	7.85	44.1	19.9
5/19/04 17:30	23.5	232.396	-1.06	24.517	7.85	41.2	6.3
5/19/04 18:00	22.24	237.788	-1.05	24.349	7.85	41.5	6.2
5/19/04 18:30	22.22	238.981	-1.03	24.294	7.85	40.9	8.3
5/19/04 19:00	23.63	227.428	-1.14	24.591	7.85	42.2	6.6
5/19/04 19:30	22.38	234.288	-1.17	24.375	7.87	40.6	7.2
5/19/04 20:00	23.18	233.271	-1.08	24.384	7.86	24.3	9
5/19/04 20:30	23.57	231.279	-1.13	24.398	7.86	21.2	10.8
5/19/04 21:00	23.68	232.629	-1.14	24.315	7.86	30.3	22.4
5/19/04 21:30	23.67	233.236	-1.19	24.304	7.86	27.9	80
5/19/04 22:00	23.5	233.507	-1.18	24.236	7.85	22.2	351.5
5/19/04 22:30	22	234.394	-1.18	24.17	7.85	18	1170.5
5/19/04 23:00	22.28	235.596	-1.17	24.106	7.85	14.5	2495.6
5/19/04 23:30	23.23	231.126	-1.18	24.195	7.84	10.1	2502.7
5/20/04 0:00	23.26	233.311	-1.22	24.161	7.84	6.7	1922.6
5/20/04 0:30	23.22	228.426	-1.24	24.192	7.84	4.8	787
5/20/04 1:00	22.42	238.936	-1.1	23.927	7.84	3.4	430.7
5/20/04 1:30	23.18	229.867	-1.2	24.157	7.83	3.2	353.5
5/20/04 2:00	23.04	231.343	-1.22	24.087	7.83	3	1040.2
5/20/04 2:30	22.32	235.801	-1.16	24.01	7.83	3.1	37.3
5/20/04 3:00	23.25	231.503	-1.2	24.104	7.83	2.8	6.2
5/20/04 3:30	22.09	234.741	-1.21	24.035	7.83	3.2	6.1
5/20/04 4:00	21.98	249.213	-1.09	23.682	7.82	2.8	6.2
5/20/04 4:30	22.36	250.396	-1.04	23.731	7.82	3.1	8.1
5/20/04 5:00	22.79	252.386	-1.02	23.695	7.81	2.9	9.9
5/20/04 5:30	21.91	238.034	-1.02	24.063	7.81	2.9	56.9
5/20/04 6:00	21.92	244.755	-1.01	23.999	7.81	3.1	1099.2
5/20/04 6:30	22.95	231.141	-1.13	24.346	7.8	3	2289.4
5/20/04 7:00	22.83	259.705	-0.9	23.655	7.8	3.1	551.6
5/20/04 7:30	22.81	259.795	-0.88	23.718	7.79	3.1	6.1
5/20/04 8:00	22.81	259.692	-0.89	23.75	7.79	3	6.2
5/20/04 8:30	22.14	255.826	-0.91	23.885	7.78	3	6.9
5/20/04 9:00	21.89	240.767	-0.48	24.291	7.78	3	514.4
5/20/04 9:30	22.02	240.802	-1.17	24.35	7.76	3.1	76.7
5/20/04 10:00	23.05	235.622	-1.2	24.505	7.77	3	1444.7
5/20/04 10:30	23.28	234.491	-1.15	24.557	7.75	3	1925.9
5/20/04 11:00	22.86	235.875	-1.2	24.506	7.75	3	428.3
5/20/04 11:30	23.26	233.478	-1.22	24.607	7.75	3.5	6.1
5/20/04 12:00	22.73	236.229	-1.2	24.526	7.81	5.1	6.1
5/20/04 12:30	22.61	235.132	-1.21	24.566	7.82	8	6.4
5/20/04 13:00	21.82	238.33	-1.19	24.489	7.81	11.2	7.3
5/20/04 13:30	22.57	234.657	-1.22	24.592	7.81	14.9	9
5/20/04 14:00	21.81	237.332	-1.2	24.493	7.81	19.3	23.9
5/20/04 14:30	23.2	227.171	-1.28	24.76	7.81	23.2	316.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/20/04 15:00	22.95	226.885	-1.29	24.751	7.81	28.7	2500.6
5/20/04 15:30	22.86	229.566	-1.26	24.674	7.82	29.8	1859.7
5/20/04 16:00	23.27	226.955	-1.26	24.734	7.82	32.8	410.1
5/20/04 16:30	22.37	236.704	-1.2	24.464	7.82	16.6	6.1
5/20/04 17:00	23.29	226.659	-1.28	24.71	7.83	38.5	6.4
5/20/04 17:30	22.17	241.683	-1.16	24.292	7.84	37.7	6.9
5/20/04 18:00	23	239.341	-1.17	24.33	7.85	38.4	8.8
5/20/04 18:30	23.21	226.094	-1.29	24.645	7.85	38.8	28.2
5/20/04 19:00	23.13	226.831	-1.28	24.597	7.86	39.8	351.1
5/20/04 19:30	23.22	227.739	-1.27	24.567	7.86	10.9	2501.4
5/20/04 20:00	23.13	226.823	-1.11	24.544	7.87	32.7	1985.6
5/20/04 20:30	23.56	230.783	-1.19	24.428	7.87	30.4	381.5
5/20/04 21:00	23.27	232.3	-1.22	24.348	7.87	27.2	6.2
5/20/04 21:30	22.09	237.708	-0.98	24.156	7.87	23.9	7
5/20/04 22:00	22.11	236.919	-1.14	24.14	7.87	19.3	8.7
5/20/04 22:30	23.19	230.133	-1.12	24.274	7.85	15.8	30
5/20/04 23:00	22.41	231.911	1.25	24.218	7.87	13.4	357
5/20/04 23:30	22.75	229.481	1.09	24.237	7.87	9.2	2499.4
5/21/04 0:00	22.91	229.113	1.4	24.204	7.87	6.6	1337.2
5/21/04 0:30	22.65	230.459	1.35	24.141	7.86	4.5	370.1
5/21/04 1:00	21.58	236.954	1.44	23.982	7.87	3.2	6.4
5/21/04 1:30	21.69	236.165	1.28	23.955	7.87	3	7.9
5/21/04 2:00	21.74	236.448	1.24	23.927	7.86	3.1	15
5/21/04 2:30	23.09	229.644	1.24	24.118	7.86	3.1	83
5/21/04 3:00	21.67	235.756	1.24	23.954	7.86	3	1466.4
5/21/04 3:30	22.4	232.246	1.12	24.063	7.86	3	2496.7
5/21/04 4:00	22.28	233.096	1.17	24.037	7.86	3	1816.3
5/21/04 4:30	21.98	234.315	1.25	24.044	7.86	3	516.1
5/21/04 5:00	23.06	229.075	1.36	24.2	7.85	3	6.3
5/21/04 5:30	21.8	235.262	1.22	24.025	7.85	3	7.5
5/21/04 6:00	23.21	228.585	1.25	24.284	7.84	3	11.7
5/21/04 6:30	22.36	231.989	1.08	24.23	7.85	3.1	99.3
5/21/04 7:00	23.22	228.091	1.15	24.365	7.84	3	1802.9
5/21/04 7:30	23.24	227.305	1.11	24.418	7.84	3.1	1927.2
5/21/04 8:00	21.77	234.154	1.2	24.285	7.84	3	430.5
5/21/04 8:30	22.67	229.75	1.26	24.45	7.83	3	6.1
5/21/04 9:00	23.24	227.329	1.29	24.529	7.82	3	7.9
5/21/04 9:30	21.97	233.203	1.26	24.42	7.82	3.1	20.5
5/21/04 10:00	23.31	227.101	1.15	24.62	7.81	3	591.3
5/21/04 10:30	23.17	227.161	1.15	24.645	7.85	2.9	2502.5
5/21/04 11:00	23.14	227.495	-1.26	24.653	7.84	3.1	1243
5/21/04 11:30	21.89	233.159	-1.24	24.543	7.84	3.4	408.3
5/21/04 12:00	22.91	228.157	-1.28	24.694	7.83	4.5	6.1
5/21/04 12:30	22.07	230.742	-1.26	24.623	7.83	6.9	7
5/21/04 13:00	21.87	231.921	-1.25	24.598	7.84	8.2	8.6
5/21/04 13:30	23.29	225.605	-1.29	24.769	7.83	13.4	31.9
5/21/04 14:00	21.85	231.463	-1.26	24.637	7.84	17.6	750.7
5/21/04 14:30	22.09	225.535	-1.31	24.758	7.83	18.7	2494.3
5/21/04 15:00	23.28	221.134	-1.34	24.872	7.84	24.4	755.9
5/21/04 15:30	22.26	225.725	-1.31	24.75	7.84	26.8	392.2
5/21/04 16:00	22.69	225.117	-1.31	24.745	7.85	30.4	6.2
5/21/04 16:30	22.18	225.737	-1.31	24.715	7.86	32.4	6.8
5/21/04 17:00	23.11	222.014	-1.33	24.792	7.86	33.3	8.2
5/21/04 17:30	23.48	229.64	-1.25	24.592	7.86	34.6	14.6
5/21/04 18:00	22.34	237.77	-0.93	24.356	7.87	34.5	123.5
5/21/04 18:30	22.87	254.06	-0.53	23.931	7.88	34.4	1827.4
5/21/04 19:00	23.04	253.175	-0.49	23.949	7.88	33.6	2493.8
5/21/04 19:30	23.03	253.561	-0.47	23.904	7.89	31.6	616.5
5/21/04 20:00	23.07	253.153	-0.49	23.891	7.9	29.6	528.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/21/04 20:30	23.19	252.462	-0.43	23.887	7.9	26.5	6.1
5/21/04 21:00	23.22	252.429	-0.46	23.851	7.9	24.3	7
5/21/04 21:30	23.19	252.815	-0.47	23.823	7.9	21.2	9.5
5/21/04 22:00	22.55	252.743	-0.39	23.795	7.89	18.2	38.8
5/21/04 22:30	23.46	242.114	-0.47	24.027	7.88	12.9	709.1
5/21/04 23:00	22.94	241.061	-0.46	24.027	7.88	11.2	2500.6
5/21/04 23:30	22.21	245.995	-0.39	23.85	7.87	8.9	1717.2
5/22/04 0:00	22.82	243.156	-0.46	23.899	7.87	6.1	380.7
5/22/04 0:30	22.16	187.805	-0.62	25.12	7.86	4.5	6.4
5/22/04 1:00	22.18	253.95	-0.36	23.568	7.86	3.3	7.6
5/22/04 1:30	23.11	250.426	-0.42	23.621	7.85	3	20.4
5/22/04 2:00	22.16	254.565	-0.35	23.513	7.83	3	190.6
5/22/04 2:30	23.02	253.003	-0.4	23.51	7.83	3.1	1769.4
5/22/04 3:00	23.34	249.029	-0.45	23.622	7.82	3.1	2503.7
5/22/04 3:30	23.23	251.699	-0.41	23.555	7.81	3.1	757.3
5/22/04 4:00	22.89	255.918	-0.4	23.435	7.82	3.1	359
5/22/04 4:30	22.56	257.48	-0.35	23.427	7.81	3.1	6.1
5/22/04 5:00	22.27	256.113	-0.35	23.457	7.81	3	6.6
5/22/04 5:30	22.75	256.551	-0.39	23.495	7.81	2.9	8.6
5/22/04 6:00	22.87	255.953	-0.42	23.545	7.8	2.9	41
5/22/04 6:30	22.81	256.238	-0.49	23.567	7.8	3	1582.8
5/22/04 7:00	22.73	256.247	-0.53	23.584	7.84	3	2114
5/22/04 7:30	22.91	255.369	-0.54	23.648	7.82	3.2	2442.5
5/22/04 8:00	22.8	255.909	-0.57	23.698	7.82	3	556.3
5/22/04 8:30	22.4	257.898	-0.61	23.688	7.82	3	6.1
5/22/04 9:00	22.74	256.236	-0.64	23.759	7.81	3	7.1
5/22/04 9:30	23.15	246.906	-0.7	24.069	7.8	3.1	11.2
5/22/04 10:00	23.42	234.352	-0.71	24.393	7.79	3.3	208.3
5/22/04 10:30	23.18	233.242	-0.73	24.472	7.79	3.2	2140.5
5/22/04 11:00	22.07	226.926	-0.85	24.644	7.79	3	2494.1
5/22/04 11:30	22.1	230.426	-0.83	24.607	7.79	3.4	539.9
5/22/04 12:00	22.25	224.279	-0.87	24.775	7.8	4.9	417.1
5/22/04 12:30	23.2	229.63	-0.85	24.676	7.79	5.4	6
5/22/04 13:00	22.83	219.476	-0.85	24.938	7.79	10.1	7
5/22/04 13:30	23.32	224.857	-0.9	24.813	7.79	13.5	9.5
5/22/04 14:00	22.87	222.435	-0.89	24.878	7.8	17	180.1
5/22/04 14:30	23.33	227.439	-0.93	24.768	7.81	20.6	2503.7
5/22/04 15:00	23.16	228.578	-0.94	24.753	7.83	23.8	594
5/22/04 15:30	22.83	231.314	-1.03	24.66	7.84	26.7	6.1
5/22/04 16:00	23.63	224.327	-1.03	24.821	7.85	28.9	6.4
5/22/04 16:30	23.01	224.148	-0.95	24.825	7.86	30.8	7.4
5/22/04 17:00	23.77	226.508	-1.14	24.768	7.87	32.7	13.1
5/22/04 17:30	24.37	222.103	-1.06	24.84	7.87	32.1	221.1
5/22/04 18:00	23.56	227.244	-1.08	24.689	7.88	33.3	1917.1
5/22/04 18:30	23.5	228.435	-1.13	24.68	7.89	32.7	372.1
5/22/04 19:00	24.26	222.183	-1.18	24.796	7.89	31.6	6.2
5/22/04 19:30	23.77	183.447	-1.69	25.632	7.9	30.4	6.4
5/22/04 20:00	23.19	229.59	-1.19	24.542	7.88	28.2	7.6
5/22/04 20:30	22.71	229.945	-1.13	24.517	7.88	24.9	10.9
5/22/04 21:00	22.21	232.185	-1.12	24.43	7.87	23.1	138.7
5/22/04 21:30	22.73	229.582	-1.04	24.466	7.87	20	1878.4
5/22/04 22:00	22.14	231.424	-1.03	24.384	7.86	16.7	640.4
5/22/04 22:30	22.81	226.193	-1.02	24.484	7.86	13.8	6.2
5/22/04 23:00	22.14	229.524	-0.97	24.347	7.86	11.1	7.1
5/22/04 23:30	22.22	229.436	-0.94	24.32	7.86	8.5	9.4
5/23/04 0:00	23.61	222.369	-1.01	24.455	7.85	6.1	91.7
5/23/04 0:30	22.2	228.836	-1.01	24.258	7.85	4.6	2495.1
5/23/04 1:00	22.91	225.089	-0.91	24.321	7.85	3.3	379.5
5/23/04 1:30	22.61	226.131	-0.87	24.271	7.85	3.2	6.7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/23/04 2:00	23.43	222.897	-0.92	24.337	7.85	3	7.5
5/23/04 2:30	22.42	226.408	-0.99	24.224	7.84	3	9.2
5/23/04 3:00	22.37	226.884	-1.21	24.193	7.83	3	85.5
5/23/04 3:30	23.4	223.4	-0.96	24.271	7.82	3	2504
5/23/04 4:00	22.39	225.308	-0.85	24.22	7.83	2.8	7
5/23/04 4:30	23.49	221.14	-0.94	24.343	7.83	2.8	9
5/23/04 5:00	22.66	225.318	-1.02	24.241	7.85	3.5	37.8
5/23/04 5:30	23.69	222.859	-0.93	24.323	7.85	3	1397.3
5/23/04 6:00	23.7	222.835	-1.17	24.354	7.85	3	570.6
5/23/04 6:30	22.94	226.95	-1.02	24.231	7.84	3	6.4
5/23/04 7:00	22.97	228.431	-1.02	24.27	7.84	3	8.8
5/23/04 7:30	22.36	231.002	-1.01	24.196	7.83	3.1	131.6
5/23/04 8:00	22.36	230.896	-1.01	24.26	7.83	3	2496.3
5/23/04 8:30	23.52	225.293	-1.01	24.459	7.81	3	500.5
5/23/04 9:00	23.75	224.22	-1.05	24.513	7.81	3	6.4
5/23/04 9:30	23.21	181.59	-1.72	25.532	7.81	3.2	7.9
5/23/04 10:00	23.23	224.783	-1.16	24.599	7.8	3	69
5/23/04 10:30	23.38	224.138	-1.13	24.649	7.79	3	2504
5/23/04 11:00	22.62	227.861	-1.14	24.579	7.8	3.2	391.5
5/23/04 11:30	23.73	222.748	-1.06	24.751	7.79	3.4	6.2
5/23/04 12:00	22.49	226.835	-1.19	24.672	7.79	4.7	8.1
5/23/04 12:30	23.56	201.533	-1.43	25.291	7.79	7.6	197.1
5/23/04 13:00	23.84	221.878	-1.3	24.835	7.79	9.4	350.7
5/23/04 13:30	23.35	180.862	-1.77	25.788	7.79	13.1	6.5
5/23/04 14:00	22.47	223.503	-1.26	24.829	7.79	16.7	7.1
5/23/04 14:30	23.13	226.532	-1.18	24.794	7.79	19.2	11.3
5/23/04 15:00	22.87	227.773	-1.21	24.729	7.79	22.8	1543.4
5/23/04 15:30	23.84	223.728	-1.22	24.849	7.8	25	2119.9
5/23/04 16:00	23.35	225.986	-1.23	24.8	7.8	27	6.1
5/23/04 16:30	24	222.683	-1.04	24.853	7.8	30.1	6.1
5/23/04 17:00	22.93	227.39	-0.97	24.719	7.81	31	6.5
5/23/04 17:30	23.27	226.006	-0.8	24.751	7.81	31.4	8
5/23/04 18:00	23.76	202.416	-0.98	25.291	7.8	31.8	22.7
5/23/04 18:30	23.6	225.965	-0.75	24.732	7.82	31.5	268.5
5/23/04 19:00	22.81	229.801	-0.87	24.589	7.82	30.6	1984.1
5/23/04 19:30	22.66	230.22	-0.63	24.576	7.83	29.3	6.8
5/23/04 20:00	24.19	223.785	-0.68	24.738	7.84	27.1	8.6
5/23/04 20:30	22.95	223.347	-0.71	24.706	7.84	24.5	48.1
5/23/04 21:00	24.12	224.644	-0.7	24.654	7.85	21.8	410
5/23/04 21:30	23.28	228.606	-0.7	24.538	7.85	19.8	373.4
5/23/04 22:00	23.43	227.516	-0.64	24.536	7.84	7.2	7.1
5/23/04 22:30	23.79	225.951	-0.58	24.54	7.85	12.9	9.8
5/23/04 23:00	24.1	224.779	-0.91	24.544	7.85	10.6	652.2
5/23/04 23:30	24.29	223.978	-0.7	24.524	7.85	8.2	377.6
5/24/04 0:00	23.27	206.044	-0.81	24.904	7.85	6.2	6.8
5/24/04 0:30	23.76	182.427	-1.5	25.388	7.85	4.3	10.2
5/24/04 1:00	23.43	221.286	0.86	24.496	7.87	3.4	229
5/24/04 1:30	23.73	221.57	0.97	24.452	7.86	3.1	366.5
5/24/04 2:00	22.57	228.32	1.05	24.26	7.85	3.1	6.7
5/24/04 2:30	22.79	227.524	-1.28	24.259	7.85	3.1	8.7
5/24/04 3:00	22.57	232.445	-1.24	24.12	7.84	3	2498
5/24/04 3:30	23.72	195.079	-1.6	24.986	7.82	3	361.4
5/24/04 4:00	23.42	222.583	-0.9	24.334	7.82	3.1	6.2
5/24/04 4:30	22.61	226.347	-0.82	24.23	7.82	3.1	7.1
5/24/04 5:00	23.39	222.433	-0.77	24.334	7.81	3.2	10.3
5/24/04 5:30	22.9	225.081	-0.68	24.251	7.8	3	368.6
5/24/04 6:00	23.87	220.937	-0.63	24.386	7.8	3	6.7
5/24/04 6:30	23.18	223.696	-0.72	24.351	7.8	3	8.7
5/24/04 7:00	22.97	228.443	-0.67	24.233	7.79	3.1	212.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/24/04 7:30	22.94	228.926	-0.42	24.224	7.78	3.1	460.3
5/24/04 8:00	23.02	228.84	-0.89	24.28	7.78	3.2	5.9
5/24/04 8:30	23	228.981	-1.01	24.308	7.77	3.1	6.2
5/24/04 9:00	23.88	178.474	-1.79	25.499	7.76	3	6.9
5/24/04 9:30	23.43	178.81	-1.79	25.548	7.75	3.1	8.4
5/24/04 10:00	23.35	211.765	-1.43	24.854	7.82	3.1	53.8
5/24/04 10:30	24	215.861	-1.38	24.811	7.82	3.3	701.3
5/24/04 11:00	24.04	215.342	-1.39	24.866	7.82	3.1	376.9
5/24/04 11:30	23.65	216.555	-1.38	24.852	7.8	3.6	7
5/24/04 12:00	23.05	217.748	-1.38	24.861	7.8	4.6	9
5/24/04 12:30	23.36	216.267	-1.39	24.937	7.8	6.7	125.6
5/24/04 13:00	22.85	218.272	-1.37	24.902	7.8	6.8	507.9
5/24/04 13:30	23.04	214.156	-1.41	25.024	7.84	6.1	8.6
5/24/04 14:00	24.14	215.509	1	25.016	7.85	11.7	81.6
5/24/04 14:30	23.17	224.412	-1.31	24.817	7.85	19.1	2502.6
5/24/04 15:00	23.39	210.543	-1.14	25.145	7.84	9.8	195
5/24/04 15:30	23.9	209.136	-1.05	25.201	7.84	23.5	6.1
5/24/04 16:00	23.37	214.111	-0.79	25.061	7.84	25.5	6.8
5/24/04 16:30	23.97	212.543	-0.78	25.102	7.84	26.5	9.3
5/24/04 17:00	23.06	215.588	-0.69	25.021	7.85	29.3	208.5
5/24/04 17:30	24.02	213.846	-0.82	25.045	7.84	29.8	2508.9
5/24/04 18:00	23.21	211.454	-0.7	25.106	7.85	30.7	286.5
5/24/04 18:30	23.09	236.855	-0.59	24.458	7.85	32.3	6.1
5/24/04 19:00	24.18	229.904	-0.56	24.641	7.85	19.5	6.8
5/24/04 19:30	23.49	228.062	-0.54	24.651	7.86	20.5	8.2
5/24/04 20:00	22.92	216.757	-0.76	24.903	7.87	27.6	73.5
5/24/04 20:30	23.48	214.529	-0.87	24.938	7.88	24.3	2504.8
5/24/04 21:00	24.08	212.182	-0.62	24.976	7.85	9.6	6.7
5/24/04 21:30	24.3	210.652	-0.7	24.99	7.88	20.5	7.7
5/24/04 22:00	24.26	209.959	-0.74	24.976	7.85	10	10.3
5/24/04 22:30	24.32	228.193	-0.57	24.526	7.87	13.3	114.4
5/24/04 23:00	24.25	217.404	-0.65	24.763	7.87	10.2	2510.8
5/24/04 23:30	24.42	214.129	-0.67	24.821	7.87	8	7.2
5/25/04 0:00	24.22	234.158	-0.57	24.299	7.86	5.9	9.2
5/25/04 0:30	24.27	211.031	-0.66	24.842	7.86	4.5	93.9
5/25/04 1:00	23.92	210.656	-0.6	24.806	7.86	3.4	1603.1
5/25/04 1:30	23.53	212.609	-0.56	24.732	7.86	3.1	8.3
5/25/04 2:00	23.69	211.917	-0.65	24.745	7.85	3.1	32
5/25/04 2:30	24.32	215.647	-0.55	24.629	7.85	3.2	231.6
5/25/04 3:00	24.04	210.097	-0.78	24.718	7.85	3.2	9.5
5/25/04 3:30	23.77	210.973	-0.7	24.671	7.84	3.2	100
5/25/04 4:00	24.1	211.905	-0.74	24.662	7.83	3.1	243.5
5/25/04 4:30	22.69	215.227	-0.3	24.556	7.84	3.1	6.2
5/25/04 5:00	23.89	180.686	-0.71	25.313	7.83	3	6.5
5/25/04 5:30	23.65	215.492	-0.72	24.534	7.83	3.2	7
5/25/04 6:00	23.93	228.082	-0.71	24.239	7.81	3.2	8.3
5/25/04 6:30	23.74	216.152	-0.85	24.53	7.8	3.1	56.9
5/25/04 7:00	23.23	220.966	-0.82	24.424	7.79	3.2	193.1
5/25/04 7:30	24.44	218.31	-0.92	24.508	7.8	2.5	2512.2
5/25/04 8:00	22.99	212.295	-1.43	24.664	7.86	3	428.8
5/25/04 8:30	23.23	211.434	-0.99	24.71	7.85	3.1	6.7
5/25/04 9:00	22.51	214.41	-0.81	24.679	7.85	3.1	9.4
5/25/04 9:30	23.28	212.843	-0.39	24.737	7.84	2.9	22.6
5/25/04 10:00	23.18	220.883	-0.7	24.588	7.83	3	6.3
5/25/04 10:30	23.65	214.719	-0.75	24.774	7.83	2.9	7
5/25/04 11:00	23.49	212.211	-0.72	24.872	7.82	2.9	8.9
5/25/04 11:30	22.71	213.356	-0.65	24.865	7.82	3.5	140.9
5/25/04 12:00	23.59	209.977	-0.39	24.993	7.82	4.6	30.6
5/25/04 12:30	22.98	207.217	-0.8	25.084	7.81	5.8	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/25/04 13:00	22.84	214.819	-0.72	24.937	7.81	9.4	6.4
5/25/04 13:30	23.74	211.649	-1.03	25.047	7.8	13.4	7.3
5/25/04 14:00	23.92	208.123	1.17	25.153	7.83	18	9.1
5/25/04 14:30	22.7	210.444	-1.46	25.106	7.83	17.4	161.4
5/25/04 15:00	23.09	212.532	-0.44	25.082	7.84	21.5	49.3
5/25/04 15:30	22.66	214.285	-0.67	25.035	7.85	24.7	6.2
5/25/04 16:00	22.73	216.973	1.13	24.979	7.88	26.7	6.9
5/25/04 16:30	23.8	209.835	1.26	25.157	7.87	27.5	8.4
5/25/04 17:00	23.4	206.762	1.26	25.207	7.88	30.4	28.1
5/25/04 17:30	23.04	212.078	1.02	25.083	7.89	30.8	1709
5/25/04 18:00	22.52	211.869	0.99	25.069	7.89	30.7	49
5/25/04 18:30	22.98	213.401	1.28	25.022	7.9	30.4	6.3
5/25/04 19:00	23.71	209.899	1.12	25.08	7.9	29.4	7.1
5/25/04 19:30	22.99	213.732	1.06	24.97	7.9	27.8	8.9
5/25/04 20:00	24.02	209.257	1.16	25.067	7.91	27.4	52
5/25/04 20:30	23.21	211.925	1.09	24.991	7.92	25.3	1241.8
5/25/04 21:00	22.8	211.236	1.15	24.965	7.92	20.4	485.2
5/25/04 21:30	23.09	211.602	1.36	24.958	7.92	18.6	9.4
5/25/04 22:00	22.79	215.781	1.04	24.827	7.92	18.1	32.7
5/25/04 22:30	24.13	207.876	1.06	24.998	7.92	13.5	2431.6
5/25/04 23:00	23.27	209.573	0.87	24.936	7.91	10.2	75.3
5/25/04 23:30	23.97	206.534	1.27	24.991	7.91	8.3	6.3
5/26/04 0:00	23.64	207.807	1.16	24.931	7.91	7.1	6.7
5/26/04 0:30	22.79	214.513	1.06	24.743	7.91	4.5	7.8
5/26/04 1:00	24.07	209.172	1.1	24.862	7.9	3.7	11
5/26/04 1:30	24.16	203.317	1.12	24.979	7.89	3.1	172.7
5/26/04 2:00	24.12	209.043	1.1	24.825	7.88	3.1	2510
5/26/04 2:30	22.57	216.588	0.84	24.619	7.89	3.1	14.8
5/26/04 3:00	23.6	178.019	1.07	25.459	7.88	3.1	6.1
5/26/04 3:30	24.03	205.622	1.17	24.855	7.87	3	6.7
5/26/04 4:00	22.89	210.721	1.21	24.689	7.87	3.1	10.5
5/26/04 4:30	23.97	205.517	1.17	24.813	7.86	3	8.9
5/26/04 5:00	23.38	208.256	1.09	24.728	7.86	3.1	68.7
5/26/04 5:30	23.48	214.638	1.05	24.567	7.86	3.1	1817.1
5/26/04 6:00	22.7	209.554	1.3	24.669	7.86	3.2	569.9
5/26/04 6:30	22.54	209.826	1.62	24.664	7.87	3.1	7.5
5/26/04 7:00	23.29	207.276	1.26	24.734	7.85	3	34.8
5/26/04 7:30	22.84	209.803	1.43	24.685	7.85	3	96.3
5/26/04 8:00	22.82	210.182	1.35	24.674	7.85	3.1	399.7
5/26/04 8:30	23.36	212.358	1	24.654	7.82	2.9	7.5
5/26/04 9:00	22.67	212.26	1.28	24.672	7.82	2.9	8.9
5/26/04 9:30	22.92	210.405	1.3	24.736	7.85	3.1	148.1
5/26/04 10:00	23.24	214.245	-1.41	24.69	7.83	3	6.2
5/26/04 10:30	23.84	206.847	1.34	24.887	7.83	3	7.4
5/26/04 11:00	23.95	205.559	1.16	24.967	7.82	3.1	8.5
5/26/04 11:30	23.85	207.279	1.2	24.959	7.84	3.4	22.7
5/26/04 12:00	23.83	208.46	1.15	24.99	7.83	4.5	72.3
5/26/04 12:30	23.21	209.438	1.24	24.989	7.83	6.8	479.3
5/26/04 13:00	23.62	207.632	1.23	25.034	7.83	9.7	2506.1
5/26/04 13:30	22.73	211.57	1.34	24.986	7.83	12.5	1902.5
5/26/04 14:00	22.78	217.523	1.76	24.869	7.84	16.1	1690.4
5/26/04 14:30	22.65	212.251	1.51	25.008	7.84	19.5	6.7
5/26/04 15:00	23.84	211.132	1.23	25.061	7.84	22.9	7.3
5/26/04 15:30	23.18	216.561	1.18	24.932	7.84	25	8.7
5/26/04 16:00	24.05	212.329	1.04	25.039	7.84	27.8	45
5/26/04 16:30	24.23	211.878	1.16	25.071	7.85	29.2	933.5
5/26/04 17:00	23.92	213.201	0.96	25.019	7.85	30.6	2508.5
5/26/04 17:30	23.96	212.743	0.98	25.024	7.86	31	379.8
5/26/04 18:00	23.41	210.771	1.34	25.053	7.87	33.4	7.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/26/04 18:30	23.43	214.561	0.94	24.968	7.87	30.4	8.9
5/26/04 19:00	24.42	212.478	1	25.015	7.87	30.1	43.1
5/26/04 19:30	24.11	209.373	1.04	25.073	7.88	28.1	196.8
5/26/04 20:00	23.15	220.93	0.78	24.762	7.89	25.6	2502.8
5/26/04 20:30	24.26	213.316	0.65	24.951	7.9	23.6	51
5/26/04 21:00	23.56	217.68	0.98	24.811	7.9	21.6	7.1
5/26/04 21:30	24.02	210.037	0.94	24.976	7.89	19.4	7
5/26/04 22:00	24.69	212.295	0.81	24.912	7.89	12.7	7.5
5/26/04 22:30	24.14	213.79	0.9	24.87	7.88	12.6	8.8
5/26/04 23:00	23.85	210.771	0.93	24.924	7.88	10.4	43.7
5/26/04 23:30	24.8	212.487	0.87	24.875	7.88	8.5	136.8
5/27/04 0:00	23.95	210.245	0.9	24.899	7.87	6.2	1905.3
5/27/04 0:30	24.05	213.191	0.92	24.81	7.86	4.4	1918.8
5/27/04 1:00	24.4	211.971	0.9	24.835	7.85	3.4	345
5/27/04 1:30	22.98	216.059	1.22	24.709	7.83	3.1	7.5
5/27/04 2:00	24.05	211.182	1.06	24.822	7.83	3.2	7.6
5/27/04 2:30	22.83	216.476	1.05	24.672	7.83	3.1	9.1
5/27/04 3:00	24.11	210.983	1.09	24.807	7.82	3.1	52.6
5/27/04 3:30	24.17	212.294	1.13	24.748	7.82	3.1	97.5
5/27/04 4:00	24.14	214.024	1	24.717	7.81	3.5	666.9
5/27/04 4:30	23.99	208.539	1.18	24.803	7.82	3.1	2509
5/27/04 5:00	24.12	208.147	1.1	24.813	7.8	3	509.5
5/27/04 5:30	22.94	216.171	1.33	24.579	7.8	3	9.4
5/27/04 6:00	23.99	209.225	1.09	24.763	7.79	3.1	36
5/27/04 6:30	23.28	211.702	1.05	24.685	7.8	3.1	73.8
5/27/04 7:00	24.05	209.074	1.08	24.732	7.78	3.1	181.7
5/27/04 7:30	22.96	219.21	1.01	24.5	7.78	3.1	1570.3
5/27/04 8:00	23.27	216.702	1.09	24.578	7.77	3	2503.5
5/27/04 8:30	24.07	212.129	0.81	24.696	7.76	3.1	249.8
5/27/04 9:00	24.24	214.489	1.15	24.659	7.76	2.9	7
5/27/04 9:30	23.17	215.345	1.03	24.644	7.75	3	7
5/27/04 10:00	24.21	211.756	1.08	24.75	7.74	3.1	8.4
5/27/04 10:30	23.01	217.013	1	24.626	7.73	3.1	10.4
5/27/04 11:00	23.96	208.348	1.13	24.884	7.73	2.8	45.7
5/27/04 11:30	23.3	213.25	1.02	24.782	7.79	3.3	86.4
5/27/04 12:00	24.09	211.001	1.13	24.873	7.79	4.4	377.7
5/27/04 12:30	24.14	209.953	1.19	24.932	7.78	5.7	1346.2
5/27/04 13:00	22.78	215.747	0.91	24.8	7.78	8.2	2499.6
5/27/04 13:30	24.11	210.903	1.13	24.983	7.78	13	1961.1
5/27/04 14:00	24.06	208.592	1.2	25.027	7.78	15.5	598
5/27/04 14:30	24.26	212.219	1.22	24.963	7.78	16	442.5
5/27/04 15:00	23.42	213.149	1.31	24.949	7.78	20.9	7.7
5/27/04 15:30	24.22	209.898	1.08	25.029	7.79	26.1	10.7
5/27/04 16:00	23.69	212.346	1.09	24.996	7.78	29.4	12.3
5/27/04 16:30	23.9	213.061	-1.41	24.973	7.8	31.6	21.7
5/27/04 17:00	24.4	212.68	-1.41	24.98	7.8	31.4	60.2
5/27/04 17:30	23.11	212.73	-1.43	24.941	7.8	31.4	168.8
5/27/04 18:00	23.87	208.652	-1.46	25.069	7.8	31	769.6
5/27/04 18:30	23.36	216.887	-1.38	24.859	7.8	30.4	1789.4
5/27/04 19:00	23.94	210.238	-1.44	25.005	7.81	30	2508.5
5/27/04 19:30	24.54	213.087	-1.4	24.914	7.82	26.7	2512.8
5/27/04 20:00	23.36	218.178	-1.37	24.759	7.81	13.1	1568.6
5/27/04 20:30	23.85	218.104	-1.36	24.762	7.84	26.3	556.7
5/27/04 21:00	24.42	219.75	-1.34	24.694	7.84	21.8	368.3
5/27/04 21:30	24.12	209.046	-1.45	24.945	7.82	19.2	11.1
5/27/04 22:00	24.23	211.84	-1.42	24.859	7.83	16.3	14.7
5/27/04 22:30	23.55	178.901	-1.79	25.573	7.83	13.3	33.3
5/27/04 23:00	24.51	207.893	-1.45	24.924	7.81	10.8	60.1
5/27/04 23:30	24.57	207.761	-1.45	24.925	7.82	8.3	107.7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/28/04 0:00	23.5	213.343	-1.41	24.761	7.81	6.1	440
5/28/04 0:30	23.42	212.836	-1.42	24.789	7.81	4.7	1174.1
5/28/04 1:00	23.39	211.818	-1.43	24.794	7.8	3.3	2487.4
5/28/04 1:30	24.54	207.549	-1.46	24.909	7.8	3.1	2513.1
5/28/04 2:00	23.3	209.862	-1.45	24.858	7.79	3.1	2503.7
5/28/04 2:30	24.44	205.762	-1.48	24.955	7.8	3.3	1911.9
5/28/04 3:00	23.17	224.837	-1.3	24.493	7.79	3.2	857.5
5/28/04 3:30	23.91	209.294	-1.45	24.843	7.8	3.2	510.9
5/28/04 4:00	24.39	207.588	-1.46	24.884	7.8	3.1	419.3
5/28/04 4:30	24.16	207.775	-1.46	24.858	7.8	3.1	347.9
5/28/04 5:00	24.08	227.658	-1.26	24.397	7.79	3	463
5/28/04 5:30	24.04	228.008	-1.26	24.404	7.79	3.2	2218.5
5/28/04 6:00	24.35	226.655	-1.27	24.407	7.78	3.1	7.1
5/28/04 6:30	23.43	210.864	-1.44	24.781	7.77	3.1	6.5
5/28/04 7:00	23.34	222.509	-1.32	24.488	7.77	3.2	7.2
5/28/04 7:30	23.99	219.923	-1.34	24.558	7.77	3	9
5/28/04 8:00	24.12	219.761	-1.34	24.559	7.76	3.2	13.8
5/28/04 8:30	24.2	220.004	-1.34	24.526	7.76	3	11.6
5/28/04 9:00	24.12	220.555	-1.33	24.532	7.75	3.2	35.6
5/28/04 9:30	24.61	222.152	0.99	24.545	7.74	3.1	130.3
5/28/04 10:00	23.9	226.556	0.96	24.427	7.73	3.1	159.9
5/28/04 10:30	24.6	225.167	0.85	24.488	7.73	3.1	153.4
5/28/04 11:00	23.97	226.48	0.84	24.457	7.72	3.2	228.8
5/28/04 11:30	23.15	230.559	0.81	24.421	7.72	3.5	577.6
5/28/04 12:00	23.47	229.187	0.8	24.463	7.71	4.7	1292.1
5/28/04 12:30	23.42	229.467	0.91	24.467	7.71	7.1	2504.6
5/28/04 13:00	24.51	224.831	0.98	24.615	7.71	9.8	2512.9
5/28/04 13:30	23.76	228.549	0.82	24.546	7.75	12.6	2507.3
5/28/04 14:00	23.18	228.422	0.84	24.554	7.77	17.2	1921.6
5/28/04 14:30	24.49	225.885	0.9	24.641	7.76	11.7	1199.8
5/28/04 15:00	23.03	232.52	0.89	24.51	7.78	23.8	603.2
5/28/04 15:30	24.14	227.518	1.06	24.651	7.77	25.5	478.8
5/28/04 16:00	23.92	223.835	0.8	24.74	7.78	16.4	406.1
5/28/04 16:30	23.15	232.735	0.76	24.519	7.78	15.9	346.7
5/28/04 17:00	23.39	231.828	0.99	24.539	7.8	31.3	406.7
5/28/04 17:30	24.13	228.695	0.78	24.608	7.79	19.7	1034.6
5/28/04 18:00	23.21	232.352	0.79	24.509	7.8	30.2	2183.6
5/28/04 18:30	23.42	232.109	0.81	24.494	7.8	29.3	2504.7
5/28/04 19:00	23.95	229.391	0.88	24.555	7.81	28.4	2489.3
5/28/04 19:30	24.27	228.122	0.95	24.56	7.81	28.1	6.1
5/28/04 20:00	23.39	232.266	0.9	24.448	7.82	26.3	6.2
5/28/04 20:30	24.44	226.594	0.81	24.581	7.83	24.1	6.2
5/28/04 21:00	24.05	225.66	0.82	24.586	7.85	21.8	6.2
5/28/04 21:30	23.49	227.507	0.83	24.506	7.81	19.3	6.2
5/28/04 22:00	23.15	229.243	0.9	24.447	7.81	16.5	6.1
5/28/04 22:30	23.23	229.202	0.89	24.453	7.81	13.5	6.2
5/28/04 23:00	24.24	224.514	0.76	24.551	7.81	12	6.2
5/28/04 23:30	23.85	178.567	0.77	25.548	7.81	8.3	6.2
5/29/04 0:00	24	176.851	0.71	25.617	7.8	6.3	6.3
5/29/04 0:30	24.07	208.885	1.01	24.903	7.8	4.5	6.4
5/29/04 1:00	23.83	210.261	0.9	24.865	7.8	3.4	6.6
5/29/04 1:30	24.04	209.445	0.95	24.905	7.8	3.1	6.8
5/29/04 2:00	24.05	206.583	1.21	24.967	7.79	3	7.2
5/29/04 2:30	24.48	216.571	0.95	24.737	7.79	3	7.8
5/29/04 3:00	23.21	213.297	1.03	24.803	7.79	3.2	8.4
5/29/04 3:30	23.23	218.221	0.94	24.693	7.79	3.1	9.2
5/29/04 4:00	23.26	213.061	1.03	24.828	7.78	3	11.7
5/29/04 4:30	24.62	213.538	1	24.824	7.78	3.4	104.1
5/29/04 5:00	24.24	209.468	1.03	24.912	7.77	3.2	206.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/29/04 5:30	23.36	225.404	0.91	24.503	7.77	3.3	364.4
5/29/04 6:00	24.41	208.177	0.93	24.923	7.76	3	196.9
5/29/04 6:30	24.43	208.266	1.06	24.915	7.76	3.2	246.4
5/29/04 7:00	24.6	222.683	0.9	24.559	7.75	3.2	556
5/29/04 7:30	24.48	209.568	0.94	24.858	7.75	3.4	1159.4
5/29/04 8:00	23.59	213.416	0.97	24.76	7.74	3.2	2080.8
5/29/04 8:30	24.57	213.998	0.86	24.755	7.73	3.4	2513.4
5/29/04 9:00	24.02	209.976	1.01	24.835	7.73	3.1	2509.2
5/29/04 9:30	23.76	211.4	1.02	24.789	7.72	3.1	2507.3
5/29/04 10:00	24.42	208.736	1.09	24.86	7.71	3.1	1920.9
5/29/04 10:30	24.62	213.39	0.91	24.776	7.71	3	1279.7
5/29/04 11:00	24.31	209.363	1.11	24.869	7.71	3.1	627.8
5/29/04 11:30	23.32	213.34	1.02	24.786	7.7	3.4	481.6
5/29/04 12:00	23.8	230.731	0.86	24.388	7.7	4.7	410.1
5/29/04 12:30	24.46	209.74	1.02	24.908	7.68	6.8	353.6
5/29/04 13:00	24.48	212.065	0.92	24.864	7.69	7.8	357.6
5/29/04 13:30	24.22	208.697	1.11	24.981	7.7	12.5	454.8
5/29/04 14:00	24.06	239.463	2.02	24.25	7.72	15.8	1005.5
5/29/04 14:30	24.28	246.376	1.77	24.087	7.72	15.4	2136.1
5/29/04 15:00	23.44	214.86	0.73	24.846	7.77	22.2	2402.5
5/29/04 15:30	23.96	212.831	0.85	24.908	7.79	24	2508.8
5/29/04 16:00	23.62	213.824	0.95	24.893	7.79	25.8	2506.2
5/29/04 16:30	23.5	227.144	0.96	24.569	7.79	27	2505.3
5/29/04 17:00	24.49	208.784	0.93	25.013	7.79	29.4	630.1
5/29/04 17:30	23.54	212.937	0.88	24.911	7.8	26.5	66.7
5/29/04 18:00	24.59	208.354	1.04	24.979	7.81	28.8	22.2
5/29/04 18:30	24.15	245.321	1.98	24.077	7.8	22.2	9.1
5/29/04 19:00	23.73	249.46	1.63	23.947	7.8	28.2	6.6
5/29/04 19:30	24.22	247.386	1.77	23.996	7.81	22.8	6.4
5/29/04 20:00	24.29	243.866	1.73	24.047	7.81	23.8	6.5
5/29/04 20:30	23.61	248.231	1.76	23.912	7.81	24.2	6.4
5/29/04 21:00	23.99	248.29	1.72	23.904	7.82	21.4	6.5
5/29/04 21:30	23.89	248.836	-1.07	23.872	7.82	18.3	6.5
5/29/04 22:00	24.08	243.118	-1.12	24.008	7.82	15.9	7.3
5/29/04 22:30	24.17	247.741	-1.08	23.873	7.82	13	6.9
5/29/04 23:00	24.28	246.664	1.64	23.894	7.82	10.6	6.5
5/29/04 23:30	24.19	247.463	0.33	23.875	7.8	8.2	6.4
5/30/04 0:00	24.33	246.816	-1.09	23.904	7.8	6.1	6.5
5/30/04 0:30	24.33	246.779	1.76	23.9	7.8	4.4	6.3
5/30/04 1:00	24.53	179.003	-1.76	25.485	7.79	3.3	6.4
5/30/04 1:30	24	183.319	0.64	25.383	7.78	3	6.5
5/30/04 2:00	23.83	188.493	0.51	25.316	7.79	3.2	6.5
5/30/04 2:30	24	193.318	0.7	25.243	7.79	3.2	6.8
5/30/04 3:00	24.06	195.849	0.85	25.174	7.8	3.2	12.5
5/30/04 3:30	23.99	199.415	0.88	25.146	7.79	3.1	28.5
5/30/04 4:00	24.24	201.472	0.94	25.103	7.78	3.2	44.6
5/30/04 4:30	23.42	207.052	1	24.996	7.78	3.3	196.9
5/30/04 5:00	23.36	207.516	1	24.961	7.77	3.2	61.6
5/30/04 5:30	24.23	205.698	0.78	25.079	7.76	3	38.4
5/30/04 6:00	24.49	204.781	0.92	25.058	7.76	3	24.6
5/30/04 6:30	24	206.849	1.09	25.057	7.76	3.1	22.5
5/30/04 7:00	24.05	206.851	0.92	25.016	7.76	3.1	71.9
5/30/04 7:30	23.75	208.902	0.76	24.968	7.76	3.2	361.8
5/30/04 8:00	24.11	207.735	0.89	25.003	7.75	3.1	798.7
5/30/04 8:30	24.55	206.304	0.66	25.069	7.76	3	408
5/30/04 9:00	24.68	205.699	0.83	25.083	7.75	3.1	642.5
5/30/04 9:30	24.61	206.145	0.73	25.073	7.76	3.1	311.7
5/30/04 10:00	24.35	207.344	0.94	25.053	7.76	3.2	361.2
5/30/04 10:30	23.76	208.761	0.94	24.976	7.75	3.3	847.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/30/04 11:00	23.88	207.01	0.7	25.035	7.8	3.1	1431.9
5/30/04 11:30	23.24	209.584	0.95	24.995	7.79	3.7	2451.3
5/30/04 12:00	24.34	206.498	0.9	25.035	7.78	4.9	2511.7
5/30/04 12:30	23.21	210.519	1.05	25.001	7.77	6.4	2503.1
5/30/04 13:00	23.88	207.025	0.99	25.084	7.77	7.7	2508.1
5/30/04 13:30	23.97	207.147	0.99	25.086	7.77	11.8	2001.7
5/30/04 14:00	24.06	207.379	0.99	25.063	7.77	14.5	1803.2
5/30/04 14:30	24.42	205.178	0.92	25.104	7.77	16.8	1105.8
5/30/04 15:00	24.17	207.062	0.8	25.122	7.78	20.2	641.9
5/30/04 15:30	23.78	208.917	0.85	25.102	7.78	22.5	505.7
5/30/04 16:00	24	207.558	-0.46	25.092	7.8	24.1	441.4
5/30/04 16:30	24.09	206.774	0.77	25.115	7.81	25.8	393.9
5/30/04 17:00	23.82	208.599	-1.46	25.068	7.81	27.2	352.2
5/30/04 17:30	24.17	204.084	1.01	25.106	7.83	27.5	349
5/30/04 18:00	24.47	205.156	0.96	25.114	7.83	27.3	380.4
5/30/04 18:30	24.08	206.111	1.02	25.065	7.83	27.1	583.6
5/30/04 19:00	23.59	207.512	1.13	24.968	7.84	25.4	1473.8
5/30/04 19:30	24.17	205.383	1.07	25.006	7.84	23	2196.9
5/30/04 20:00	23.24	208.951	1.12	24.873	7.85	23.5	2396.6
5/30/04 20:30	23.36	208.673	1.07	24.835	7.86	21.8	2504.3
5/30/04 21:00	23.98	205.98	1.09	24.892	7.87	19.5	2509.1
5/30/04 21:30	23.37	207.68	1.14	24.818	7.86	17.2	2504.4
5/30/04 22:00	23.62	206.488	1.13	24.787	7.85	14.5	2506.2
5/30/04 22:30	23.9	205.127	1.2	24.82	7.85	12.1	2123.9
5/30/04 23:00	22.96	209.209	1.16	24.739	7.85	9.7	744
5/30/04 23:30	23.85	205.685	1.35	24.802	7.85	7.8	205.3
5/31/04 0:00	23.61	206.906	1.26	24.759	7.85	5.1	97.2
5/31/04 0:30	24.05	205.538	1.32	24.819	7.84	3.7	33.2
5/31/04 1:00	23.91	206.744	1.26	24.8	7.84	3.1	24.2
5/31/04 1:30	23.84	207.413	1.18	24.839	7.84	3	14.9
5/31/04 2:00	24.16	206.308	1.06	24.822	7.84	3.1	10.1
5/31/04 2:30	23.74	208.607	1.1	24.851	7.84	3.2	7.4
5/31/04 3:00	23.51	209.922	0.97	24.809	7.83	3.1	6.7
5/31/04 3:30	23.98	208.314	1.06	24.913	7.85	3.1	6.5
5/31/04 4:00	23.24	210.851	1.08	24.896	7.86	3.1	6.4
5/31/04 4:30	23.67	209.164	1.17	24.873	7.86	3.1	6.4
5/31/04 5:00	23.58	209.418	1.22	24.967	7.85	3.2	6.4
5/31/04 5:30	23.78	208.861	1.11	24.902	7.85	3.1	6.3
5/31/04 6:00	24.09	207.956	1.16	25.019	7.84	3.1	6.4
5/31/04 6:30	23.89	208.862	1.22	25.056	7.84	3.1	6.4
5/31/04 7:00	23.74	209.722	1.11	25.061	7.83	3.1	6.3
5/31/04 7:30	23.93	208.886	1.12	25.056	7.82	3.1	6.3
5/31/04 8:00	24.01	208.952	1.1	25.014	7.84	3.2	6.2
5/31/04 8:30	23.72	210.254	1.06	25.053	7.84	3.1	6.3
5/31/04 9:00	24.16	208.58	1.06	25.103	7.85	3.2	6.4
5/31/04 9:30	24.2	208.68	0.88	25.059	7.85	3.2	6.6
5/31/04 10:00	24.3	208.569	1.06	25.055	7.85	3	9.5
5/31/04 10:30	24.41	208.368	0.99	24.989	7.85	3.2	6.3
5/31/04 11:00	24.21	209.062	1.07	24.958	7.84	3.2	6.8
5/31/04 11:30	23.55	211.741	0.9	24.907	7.84	3.4	6.4
5/31/04 12:00	23.5	211.649	1.21	24.939	7.85	4.4	6.6
5/31/04 12:30	23.27	210.089	1.21	24.986	7.85	6.2	6.8
5/31/04 13:00	23.17	209.88	1.3	25.017	7.85	8.3	7
5/31/04 13:30	23.81	208.086	1	25.012	7.84	10.4	7.3
5/31/04 14:00	23.13	210.523	1.22	25.011	7.84	13.2	7.8
5/31/04 14:30	23.79	208.12	1.28	24.999	7.84	15.8	8.8
5/31/04 15:00	23.25	210.819	1.19	24.963	7.84	18.1	10.3
5/31/04 15:30	23.37	210.415	1.07	24.998	7.84	10.8	12.3
5/31/04 16:00	24.01	207.523	1.2	25.012	7.84	21.2	13

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
5/31/04 16:30	23.72	209.116	1.27	24.969	7.85	22.4	29.9
5/31/04 17:00	23.89	208.008	1.31	25.027	7.86	24.4	60
5/31/04 17:30	22.84	209.963	-1.46	24.914	7.86	24.5	10
5/31/04 18:00	23.39	210.382	0.95	24.859	7.86	23.8	10.8
5/31/04 18:30	23.3	210.546	0.99	24.894	7.87	23.4	12
5/31/04 19:00	23.38	209.804	1.96	24.843	7.87	20.1	15.8
5/31/04 19:30	23.4	210.019	-1.45	24.809	7.88	24.6	19.2
5/31/04 20:00	23.76	208.739	1.38	24.782	7.88	21.2	65.7
5/31/04 20:30	23.42	210.012	1.35	24.77	7.88	17	117.8
5/31/04 21:00	23.45	210.711	1.34	24.648	7.88	17.7	206.4
5/31/04 21:30	23.09	211.838	1.27	24.638	7.88	14.4	508.3
5/31/04 22:00	23.31	211.493	1.28	24.613	7.88	13.7	1023.9
5/31/04 22:30	23.67	209.864	1.3	24.648	7.87	10.3	1592.4
5/31/04 23:00	24.25	236.907	1.24	23.954	7.87	9	2417.4
5/31/04 23:30	23.21	245.485	1.69	23.722	7.88	7.5	2503.2
6/1/04 0:00	24.18	241.557	1.75	23.845	7.87	4.8	2510.5
6/1/04 0:30	23.45	247.504	1.95	23.661	7.87	4.5	2505
6/1/04 1:00	23.91	245.615	2.01	23.741	7.86	3.4	2508.5
6/1/04 1:30	23.91	246.101	2.02	23.698	7.86	3.1	1906.9
6/1/04 2:00	23.67	247.378	2.04	23.755	7.85	3.1	1763.5
6/1/04 2:30	23.94	246.249	2.12	23.806	7.85	3.1	1296.5
6/1/04 3:00	23.95	246.345	2.12	23.867	7.85	3.1	748.2
6/1/04 3:30	23.87	246.613	-1.09	23.864	7.85	3.1	549.5
6/1/04 4:00	23.76	246.674	-1.09	23.94	7.87	3.1	482.7
6/1/04 4:30	23.75	246.672	-1.09	23.966	7.85	3.2	425.5
6/1/04 5:00	23.55	247.258	-1.09	24.021	7.86	3.1	374.2
6/1/04 5:30	23.54	246.925	-1.09	24.07	7.86	3.1	347.9
6/1/04 6:00	23.43	247.229	-1.09	24.081	7.86	3.1	354.4
6/1/04 6:30	23.53	246.646	-1.1	24.113	7.85	3.1	423.9
6/1/04 7:00	23.47	217.876	-0.5	24.842	7.84	3.1	798.3
6/1/04 7:30	23.52	247.047	-1.09	24.132	7.84	3.1	1679.9
6/1/04 8:00	23.51	247.129	-1.09	24.163	7.84	3.1	2209.4
6/1/04 8:30	23.75	246.504	-1.1	24.22	7.84	3.1	2451.2
6/1/04 9:00	23.99	246.52	-1.09	24.213	7.85	3.1	2509
6/1/04 9:30	24.32	246.362	-1.09	24.263	7.87	3.1	2511.6
6/1/04 10:00	24.38	246.448	-1.09	24.266	7.87	3.1	2512
6/1/04 10:30	24.38	246.541	-1.09	24.236	7.87	3.1	2512.1
6/1/04 11:00	24.39	246.502	-1.09	24.212	7.85	3.1	2338.4
6/1/04 11:30	24.26	246.961	-1.09	24.229	7.84	3.3	860.2
6/1/04 12:00	24.16	245.039	-1.1	24.229	7.83	4.4	280.8
6/1/04 12:30	24.07	244.487	-1.11	24.254	7.83	6.3	106.2
6/1/04 13:00	23.96	246.912	-1.09	24.201	7.83	8.6	55.1
6/1/04 13:30	24.03	244.374	-1.11	24.265	7.82	9.6	37.2
6/1/04 14:00	24.1	243.92	-1.11	24.282	7.82	13.3	25.2
6/1/04 14:30	24.12	243.51	-1.12	24.255	7.82	14.9	18.1
6/1/04 15:00	24.19	243.45	-1.12	24.277	7.81	13.8	10.8
6/1/04 15:30	24.27	243.686	-1.11	24.191	7.81	19.4	8.2
6/1/04 16:00	24.35	243.62	-1.11	24.223	7.81	20.9	6.9
6/1/04 16:30	24.37	243.647	-1.11	24.205	7.82	22	6.5
6/1/04 17:00	24.38	243.119	-1.12	24.19	7.82	23.9	6.4
6/1/04 17:30	24.4	243.553	-1.11	24.162	7.81	23.5	6.3
6/1/04 18:00	24.43	243.606	-1.11	24.13	7.82	24.6	6.3
6/1/04 18:30	24.48	247.23	-1.08	24.018	7.83	23.4	6.1
6/1/04 19:00	24.35	247.685	-1.03	23.958	7.83	23	6.1
6/1/04 19:30	24.37	247.494	-1.02	23.93	7.84	21.7	6.2
6/1/04 20:00	24.16	247.659	-0.97	23.882	7.84	21.3	6.2
6/1/04 20:30	24.17	246.743	-0.95	23.844	7.85	19.7	6.2
6/1/04 21:00	24.06	245.757	-0.83	23.844	7.84	18.1	6.5
6/1/04 21:30	23.91	246.486	-0.78	23.775	7.84	15.9	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/1/04 22:00	23.65	246.241	-0.83	23.736	7.83	12.1	6.3
6/1/04 22:30	23.58	246.454	-0.69	23.691	7.82	12.3	6.3
6/1/04 23:00	23.53	245.922	-0.72	23.669	7.82	9.3	6.2
6/1/04 23:30	23.46	246.845	-0.64	23.635	7.81	6.9	6.3
6/2/04 0:00	23.48	246.43	-0.84	23.619	7.81	5.6	6.5
6/2/04 0:30	23.47	247.2	-0.77	23.599	7.8	4.3	6.4
6/2/04 1:00	23.52	247.216	-0.66	23.598	7.8	3.3	6.5
6/2/04 1:30	23.55	248.126	-0.83	23.6	7.79	3.1	6.7
6/2/04 2:00	23.59	248.078	-0.62	23.619	7.78	3.1	6.8
6/2/04 2:30	23.61	248.275	-0.71	23.641	7.78	3.1	7.2
6/2/04 3:00	23.73	248.213	-0.84	23.71	7.77	3.1	7.5
6/2/04 3:30	23.85	248.062	-0.87	23.729	7.76	3.1	7.9
6/2/04 4:00	23.57	248.803	-0.76	23.765	7.77	3.1	8.7
6/2/04 4:30	23.27	248.947	-0.63	23.817	7.78	3.1	9.8
6/2/04 5:00	23.28	248.946	-0.67	23.853	7.79	3.1	11.3
6/2/04 5:30	23.31	248.909	-0.61	23.914	7.78	3.1	13.8
6/2/04 6:00	23.31	248.872	-0.59	23.99	7.77	3.1	21.4
6/2/04 6:30	23.33	248.861	-0.61	24.035	7.76	3.1	34.9
6/2/04 7:00	23.4	248.774	-0.64	24.067	7.76	3.1	41.8
6/2/04 7:30	23.39	248.923	-0.62	24.116	7.76	3	56.6
6/2/04 8:00	23.4	248.907	-0.62	24.148	7.76	3.1	79.6
6/2/04 8:30	23.41	248.974	-0.64	24.175	7.75	3.1	117.9
6/2/04 9:00	23.43	248.953	-0.68	24.185	7.75	3.1	155.3
6/2/04 9:30	23.42	248.316	-0.67	24.228	7.75	3.1	252.7
6/2/04 10:00	23.43	249.005	-0.6	24.218	7.74	3.1	447.2
6/2/04 10:30	23.46	248.955	-0.64	24.223	7.74	3.1	946.5
6/2/04 11:00	23.46	248.822	-0.63	24.284	7.73	3	1547.8
6/2/04 11:30	23.45	248.272	-0.65	24.237	7.73	3.3	2231.1
6/2/04 12:00	23.44	247.226	-0.65	24.262	7.72	3.9	2504.8
6/2/04 12:30	23.47	247.505	-0.65	24.243	7.72	5.8	2505
6/2/04 13:00	23.43	247.715	-0.66	24.261	7.72	7.7	2504.7
6/2/04 13:30	23.45	247.498	-0.65	24.247	7.71	10.1	2504.8
6/2/04 14:00	23.5	245.993	-0.67	24.282	7.71	12.5	2450.6
6/2/04 14:30	23.53	246.413	-0.68	24.253	7.71	14.8	1903.6
6/2/04 15:00	23.56	246.052	-0.7	24.246	7.71	16.6	1766.1
6/2/04 15:30	23.6	246.053	-0.67	24.231	7.72	18.5	1287.8
6/2/04 16:00	23.62	246.157	-0.71	24.217	7.72	20.5	807.6
6/2/04 16:30	23.62	246.06	-0.72	24.205	7.73	21.9	575
6/2/04 17:00	23.67	246.112	-0.73	24.158	7.73	22.7	493.1
6/2/04 17:30	23.69	246.114	-0.79	24.154	7.73	23.5	442.7
6/2/04 18:00	23.74	245.864	-0.75	24.124	7.74	23.8	403.3
6/2/04 18:30	23.74	246.078	-0.83	24.094	7.75	23.7	367.6
6/2/04 19:00	23.76	246.073	-0.72	24.056	7.75	23.3	345.8
6/2/04 19:30	23.82	246.022	-0.71	24.023	7.76	22.4	358.5
6/2/04 20:00	23.83	246.217	-0.74	23.953	7.77	23.4	430.9
6/2/04 20:30	23.81	246.174	-0.73	23.921	7.78	10.6	750.8
6/2/04 21:00	23.87	246.25	-0.69	23.861	7.76	14.9	1664
6/2/04 21:30	23.85	246.058	-0.72	23.819	7.78	17.1	2220.5
6/2/04 22:00	23.74	246.605	-0.8	23.764	7.78	15.5	2499.6
6/2/04 22:30	23.55	246.456	-0.67	23.709	7.77	13	2505.7
6/2/04 23:00	23.46	247.067	-0.68	23.678	7.76	10.4	2504.9
6/2/04 23:30	23.36	247.576	-0.67	23.618	7.76	8.2	2504.2
6/3/04 0:00	23.32	248.392	-0.66	23.554	7.75	6.1	2503.9
6/3/04 0:30	23.4	248.02	-0.69	23.557	7.75	4.3	2198.6
6/3/04 1:00	23.29	248.062	-0.69	23.54	7.74	3.4	810.1
6/3/04 1:30	23.45	249.612	-0.68	23.523	7.74	3.2	440.9
6/3/04 2:00	23.49	249.766	-0.66	23.514	7.73	3	102.1
6/3/04 2:30	23.62	248.931	-0.7	23.559	7.73	3.2	57.4
6/3/04 3:00	23.47	249.793	-0.67	23.579	7.73	3.1	41.7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/3/04 3:30	23.53	249.659	-0.71	23.606	7.72	3.1	32.5
6/3/04 4:00	23.59	249.556	-0.7	23.649	7.73	3	22.1
6/3/04 4:30	23.62	249.566	-0.68	23.716	7.74	3.1	13.9
6/3/04 5:00	23.54	250.112	-0.7	23.757	7.74	3.1	9.8
6/3/04 5:30	23.52	250.23	-0.71	23.821	7.74	3.1	7.9
6/3/04 6:00	23.41	182.964	-1.64	25.447	7.73	3.1	7
6/3/04 6:30	23.38	250.636	-0.73	23.92	7.73	3.1	6.7
6/3/04 7:00	23.3	250.317	-0.72	23.988	7.74	3	6.5
6/3/04 7:30	23.27	250.214	-0.75	24.045	7.73	3.2	6.4
6/3/04 8:00	23.27	249.86	-0.76	24.083	7.73	3.1	6.4
6/3/04 8:30	23.29	249.254	-0.73	24.159	7.72	3.1	6.4
6/3/04 9:00	23.23	249.298	-0.76	24.215	7.72	3.1	11.5
6/3/04 9:30	22.52	239.253	-0.98	24.462	7.71	3.1	6.2
6/3/04 10:00	22.59	241.041	-1.02	24.457	7.71	3.1	6.6
6/3/04 10:30	23.8	235.822	-0.99	24.639	7.7	3	6.3
6/3/04 11:00	23.79	232.254	-1.02	24.745	7.7	3	6.3
6/3/04 11:30	23.15	245.653	-0.8	24.38	7.69	3.3	6.4
6/3/04 12:00	23.06	248.375	-0.77	24.301	7.68	4.5	6.3
6/3/04 12:30	23.41	244.393	-0.88	24.431	7.68	6.2	6.4
6/3/04 13:00	23.37	236.597	-0.97	24.61	7.68	9.3	6.9
6/3/04 13:30	22.71	241.785	-0.92	24.473	7.68	12.4	6.4
6/3/04 14:00	23.3	237.111	-0.9	24.594	7.68	13.7	6.4
6/3/04 14:30	23.65	233.504	-0.9	24.653	7.68	16.8	6.5
6/3/04 15:00	23.41	246.852	-0.68	24.301	7.69	20.1	6.7
6/3/04 15:30	23.44	246.988	-0.68	24.282	7.68	13	6.9
6/3/04 16:00	23.48	247.051	-0.7	24.27	7.68	11.8	7.3
6/3/04 16:30	23.39	239.401	-0.69	24.423	7.69	20.1	7.2
6/3/04 17:00	22.83	246.976	-0.67	24.207	7.69	14.8	7.2
6/3/04 17:30	23.39	247.302	-0.68	24.163	7.69	16.6	10.3
6/3/04 18:00	23.9	244.922	-0.67	24.229	7.69	15.9	11.1
6/3/04 18:30	23.73	245.851	-0.69	24.174	7.69	13.1	8.1
6/3/04 19:00	23.59	246.891	-0.69	24.094	7.7	14.2	7.8
6/3/04 19:30	23.63	247.369	-0.69	24.053	7.7	13.2	8.2
6/3/04 20:00	23.44	248.206	-0.62	23.968	7.72	26	8.7
6/3/04 20:30	23.88	246.161	-0.71	23.983	7.73	22.7	9.6
6/3/04 21:00	23.94	245.998	-0.73	23.917	7.72	18.7	10.8
6/3/04 21:30	23.89	246.465	-0.68	23.866	7.74	18	14.1
6/3/04 22:00	23.91	246.4	-0.67	23.801	7.73	16.2	18.7
6/3/04 22:30	23.57	248.065	-0.66	23.712	7.75	13.5	28.6
6/3/04 23:00	23.82	186.208	-1.09	25.113	7.74	10.1	43.7
6/3/04 23:30	23.68	247.443	-0.72	23.642	7.73	7.7	74.9
6/4/04 0:00	23.4	248.631	-0.69	23.549	7.73	5.8	120.6
6/4/04 0:30	23.37	244.807	-0.75	23.627	7.72	4.5	168.7
6/4/04 1:00	23.42	240.676	-0.8	23.698	7.72	3.5	225.8
6/4/04 1:30	23.58	239.448	-0.73	23.706	7.72	3.2	339.2
6/4/04 2:00	23.2	242.747	-0.73	23.62	7.72	3.1	579.1
6/4/04 2:30	23.03	245.781	-0.71	23.531	7.71	3.1	1060.3
6/4/04 3:00	23.15	248.475	-0.74	23.501	7.71	3.1	1018.6
6/4/04 3:30	23.93	243.715	-0.8	23.649	7.72	3.1	1456.2
6/4/04 4:00	23.83	215.181	-1.09	24.374	7.71	3.2	2171.2
6/4/04 4:30	23.91	216.08	-1.05	24.373	7.72	3.1	2508.3
6/4/04 5:00	23.89	217.397	-1.02	24.406	7.71	3.1	2508.1
6/4/04 5:30	22.87	220.286	-0.92	24.37	7.71	3	2500.4
6/4/04 6:00	23.9	217.435	-1.11	24.513	7.7	3	2508.3
6/4/04 6:30	24.01	217.129	-1.08	24.563	7.7	3.1	2400.8
6/4/04 7:00	23.38	221.691	-1.15	24.544	7.71	3.1	1956.7
6/4/04 7:30	23.75	220.374	-1.11	24.635	7.71	3.1	1877.1
6/4/04 8:00	23.6	220.675	-1.11	24.685	7.69	3.2	1453.6
6/4/04 8:30	22.76	223.833	-1.3	24.666	7.69	3	920.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/4/04 9:00	22.43	225.101	-1.27	24.712	7.68	3	635.9
6/4/04 9:30	23.25	221.113	-1.34	24.843	7.68	3.1	518
6/4/04 10:00	23.68	214.712	-1.37	25.023	7.67	3.1	467.1
6/4/04 10:30	22.41	217.791	-1.33	24.946	7.67	3.1	425.4
6/4/04 11:00	23.56	209.051	-1.43	25.212	7.66	3.1	388.3
6/4/04 11:30	22.94	218.232	-1.37	25.016	7.66	3.3	357.1
6/4/04 12:00	23.25	187.833	-1.69	25.726	7.65	4.3	348.4
6/4/04 12:30	23.29	192.706	-1.64	25.636	7.64	5.4	364.6
6/4/04 13:00	22.89	238.01	-1.18	24.582	7.64	9.1	455.1
6/4/04 13:30	23.25	228.961	-1.26	24.797	7.64	10.4	842.2
6/4/04 14:00	23.8	223.236	-1.31	24.932	7.64	14.4	1958.1
6/4/04 14:30	23.52	224.755	-1.3	24.876	7.64	15	2236.3
6/4/04 15:00	23.56	221.954	-1.33	24.924	7.64	16.9	2505.6
6/4/04 15:30	23.83	213.391	-1.41	25.143	7.65	18	2507.7
6/4/04 16:00	22.71	221.681	-1.34	24.9	7.66	20.5	2499.3
6/4/04 16:30	23.31	220.005	-1.35	24.955	7.66	22.6	2503.7
6/4/04 17:00	23.07	218.845	-1.36	24.945	7.67	23	2371.8
6/4/04 17:30	24.02	213.591	-1.4	25.047	7.67	24.3	859.8
6/4/04 18:00	23.7	187.113	-1.69	25.634	7.68	24	209.3
6/4/04 18:30	23.73	188.794	-1.67	25.553	7.69	24.4	58.5
6/4/04 19:00	23.8	189.355	-1.66	25.497	7.7	23.8	37.2
6/4/04 19:30	24.03	207.67	-1.46	25.071	7.72	23.1	33.7
6/4/04 20:00	23.12	211.755	-1.44	24.938	7.74	22.5	26.1
6/4/04 20:30	23.17	211.914	-1.43	24.884	7.75	20.6	16.6
6/4/04 21:00	23.84	208.299	-1.46	24.905	7.74	18.8	11.1
6/4/04 21:30	23.39	210.311	-1.45	24.813	7.74	16.7	8.6
6/4/04 22:00	22.98	212.535	-1.43	24.723	7.73	14.3	7.2
6/4/04 22:30	23.39	210.289	-1.45	24.705	7.73	12	6.5
6/4/04 23:00	23.19	211.534	-1.44	24.605	7.73	9.4	6.4
6/4/04 23:30	23.11	211.68	-1.44	24.55	7.73	7.7	6.4
6/5/04 0:00	23.88	209.122	-1.45	24.593	7.72	4.7	6.2
6/5/04 0:30	23.68	209.171	-1.45	24.529	7.72	4.3	6.2
6/5/04 1:00	23.57	211.874	-1.43	24.424	7.71	3.3	6.2
6/5/04 1:30	23.7	213.322	-1.41	24.358	7.7	3.2	6.2
6/5/04 2:00	22.76	216.182	-1.4	24.277	7.7	3.1	6.2
6/5/04 2:30	23.15	215.107	-1.4	24.268	7.68	3.1	6.2
6/5/04 3:00	22.72	217.111	-1.39	24.225	7.68	3	6.3
6/5/04 3:30	22.63	217.107	-1.39	24.233	7.68	3	6.1
6/5/04 4:00	23.59	213.777	-1.41	24.358	7.68	3.1	6.2
6/5/04 4:30	23.29	214.686	-1.4	24.353	7.67	3.1	6.1
6/5/04 5:00	23.52	214.504	-1.4	24.385	7.67	3.1	6.1
6/5/04 5:30	23.77	213.091	-1.41	24.439	7.67	3.1	6.1
6/5/04 6:00	22.82	217.547	-1.38	24.39	7.67	3	6.2
6/5/04 6:30	22.96	217.089	-1.38	24.457	7.68	3.1	6.1
6/5/04 7:00	22.52	218.012	-1.38	24.492	7.7	3	6.2
6/5/04 7:30	23.82	212.725	-1.42	24.67	7.69	3.1	6.3
6/5/04 8:00	23.22	214.82	-1.4	24.675	7.68	3	6.5
6/5/04 8:30	23.74	213.074	-1.41	24.836	7.68	3.1	6.5
6/5/04 9:00	23.77	213.636	-1.41	24.867	7.68	3.2	6.7
6/5/04 9:30	23.58	214.029	-1.41	24.9	7.67	3.1	6.8
6/5/04 10:00	24	212.579	-1.41	24.987	7.67	3.2	7.2
6/5/04 10:30	23.73	213.359	-1.41	25.012	7.66	3.1	7.5
6/5/04 11:00	23.17	216.135	-1.39	25.014	7.65	3.2	7.9
6/5/04 11:30	23.62	213.587	-1.41	25.121	7.65	3.3	8.6
6/5/04 12:00	23.73	211.779	-1.43	25.17	7.65	4.2	9.6
6/5/04 12:30	23.36	214.444	-1.4	25.147	7.65	5.9	11.8
6/5/04 13:00	22.9	216.291	-1.39	25.102	7.65	7.6	16.2
6/5/04 13:30	23.76	213.525	-1.41	25.19	7.69	8.7	23.6
6/5/04 14:00	23.96	212.894	-1.41	25.233	7.7	12.7	44.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/5/04 14:30	23.67	214.391	-1.4	25.165	7.7	15.2	69.3
6/5/04 15:00	23.56	215.069	-1.4	25.147	7.7	17	111.8
6/5/04 15:30	23.52	214.371	-1.4	25.14	7.7	17.7	166.4
6/5/04 16:00	24.11	212.452	-1.41	25.193	7.71	20.9	246.2
6/5/04 16:30	23.53	214.835	-1.4	25.106	7.71	20.8	346.6
6/5/04 17:00	23.63	214.544	-1.4	25.098	7.71	21.4	651
6/5/04 17:30	24.26	211.407	-1.42	25.141	7.71	22.9	1081.2
6/5/04 18:00	23.56	214.399	-1.4	25.066	7.72	23.5	1615.5
6/5/04 18:30	24.49	211.547	-1.42	25.106	7.72	24.5	2289.6
6/5/04 19:00	24.5	210.575	-1.43	25.095	7.72	23.9	2512.9
6/5/04 19:30	24.25	212.319	-1.41	25.032	7.73	23.6	2510.9
6/5/04 20:00	23.53	214.993	-1.4	24.927	7.74	22.4	2505.6
6/5/04 20:30	24.53	211.31	-1.42	24.981	7.74	20.1	2513.1
6/5/04 21:00	24.16	180.758	-1.75	25.651	7.74	18.2	2152.5
6/5/04 21:30	24.21	212.361	-1.41	24.898	7.73	15.5	1964.9
6/5/04 22:00	23.27	216.569	-1.38	24.731	7.73	13	1727.1
6/5/04 22:30	23.71	180.054	-1.77	25.495	7.72	9.4	1234.1
6/5/04 23:00	23.77	181.456	-1.75	25.408	7.71	9.1	804.2
6/5/04 23:30	23.21	181.964	-1.76	25.348	7.7	7	574.2
6/6/04 0:00	23.22	183.512	-1.74	25.261	7.7	4.7	495.9
6/6/04 0:30	23.14	185.925	-1.72	25.158	7.69	4.1	445.9
6/6/04 1:00	23.14	187.843	-1.69	25.062	7.69	3.2	408.9
6/6/04 1:30	23.17	188.811	-1.68	24.986	7.68	3.1	366.1
6/6/04 2:00	22.32	228.118	-1.28	24.073	7.69	3	343.3
6/6/04 2:30	22.97	226.018	-1.3	24.096	7.67	3.1	355.2
6/6/04 3:00	23.16	189.979	-1.67	24.891	7.67	3	428.8
6/6/04 3:30	22.58	218.572	-1.37	24.223	7.67	2.6	759.1
6/6/04 4:00	22.63	218.736	-1.37	24.205	7.67	2.6	1618.7
6/6/04 4:30	23.88	213.644	-1.41	24.348	7.65	3.5	2225.4
6/6/04 5:00	23	217.702	-1.38	24.258	7.65	2.9	2489.3
6/6/04 5:30	22.86	218.065	-1.38	24.262	7.64	2.7	2500.3
6/6/04 6:00	22.8	218.357	-1.37	24.277	7.63	2.6	2499.9
6/6/04 6:30	23.34	189.476	-1.67	24.971	7.62	3.1	2503.9
6/6/04 7:00	22.93	227.138	-1.28	24.154	7.67	3.1	1198.7
6/6/04 7:30	23.42	224.415	-1.3	24.272	7.68	3	269.8
6/6/04 8:00	23.69	222.919	-1.32	24.356	7.67	3.1	58.4
6/6/04 8:30	23.61	223.914	-1.31	24.394	7.65	3.1	38
6/6/04 9:00	22.63	228.277	-1.28	24.363	7.66	3.1	31.9
6/6/04 9:30	23.73	223.848	-1.31	24.521	7.64	3.1	15.2
6/6/04 10:00	23.67	221.007	-1.33	24.645	7.64	3	9.4
6/6/04 10:30	23.47	224.33	-1.3	24.618	7.65	3.1	7
6/6/04 11:00	23.29	225.726	-1.29	24.628	7.64	3.1	6.3
6/6/04 11:30	22.89	226.249	-1.29	24.661	7.63	3.4	6.1
6/6/04 12:00	23.49	223.05	-1.32	24.784	7.61	4.6	6.1
6/6/04 12:30	22.66	226.21	-1.3	24.741	7.62	5.7	6.1
6/6/04 13:00	23.37	223.082	-1.32	24.842	7.62	7.4	6.1
6/6/04 13:30	23.68	222.098	-1.32	24.883	7.64	9.8	6.1
6/6/04 14:00	23.26	224.507	-1.31	24.834	7.67	12.3	6.1
6/6/04 14:30	24.39	219.167	-1.34	24.983	7.69	15.2	6.1
6/6/04 15:00	23.21	224.545	-1.31	24.863	7.7	17	6.1
6/6/04 15:30	23.73	222.187	-1.32	24.928	7.7	18.1	6.1
6/6/04 16:00	24.18	220.519	-1.33	24.933	7.69	20.7	6.4
6/6/04 16:30	23.97	221.579	-1.32	24.916	7.7	22	6.3
6/6/04 17:00	24.43	219.3	-1.34	24.958	7.7	24.2	6.3
6/6/04 17:30	24.28	220.212	-1.33	24.933	7.71	25.8	6.4
6/6/04 18:00	24.29	220.022	-1.34	24.916	7.71	25.2	6.2
6/6/04 18:30	24.19	219.857	-1.34	24.914	7.71	24.7	6.2
6/6/04 19:00	24.09	220.446	-1.33	24.864	7.71	23.4	6.5
6/6/04 19:30	23.18	224.048	-1.31	24.773	7.71	23.5	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/6/04 20:00	24.01	219.876	-1.34	24.841	7.71	13.3	6.6
6/6/04 20:30	23.5	222.656	-1.32	24.751	7.72	19.3	7
6/6/04 21:00	24.01	219.458	-1.34	24.786	7.72	18.2	7.3
6/6/04 21:30	24.48	217.675	-1.36	24.796	7.7	9.5	7.8
6/6/04 22:00	23.51	221.732	-1.33	24.667	7.7	12.5	9.1
6/6/04 22:30	24.33	217.718	-1.36	24.729	7.69	10.7	11.7
6/6/04 23:00	24.06	219.013	-1.35	24.651	7.69	7	14.1
6/6/04 23:30	23.04	224.508	-1.31	24.473	7.69	7	17.7
6/7/04 0:00	23.39	221.304	-1.34	24.51	7.67	6	24.6
6/7/04 0:30	23.13	223.996	-1.31	24.412	7.66	4	44.8
6/7/04 1:00	23.94	219.213	-1.35	24.497	7.65	3.3	90.5
6/7/04 1:30	23.12	223.348	-1.32	24.352	7.66	3.2	136.1
6/7/04 2:00	23.25	187.604	-1.69	25.128	7.64	3.1	255.7
6/7/04 2:30	23.28	190.656	-1.66	25.019	7.63	3.2	392.7
6/7/04 3:00	23.3	192.941	-1.63	24.955	7.63	3.1	523.8
6/7/04 3:30	22.95	198.803	-1.58	24.788	7.64	3	1084.9
6/7/04 4:00	23.2	195.736	-1.61	24.842	7.63	3.1	1760.7
6/7/04 4:30	23.25	198.148	-1.58	24.759	7.63	3.1	2480.9
6/7/04 5:00	23.18	221.697	-1.33	24.213	7.62	3	2502.6
6/7/04 5:30	22.43	224.888	-1.31	24.144	7.62	3	2497
6/7/04 6:00	23.76	218.907	-1.35	24.31	7.6	3.1	2507
6/7/04 6:30	23.77	218.876	-1.35	24.308	7.6	3.1	2507.1
6/7/04 7:00	23.89	216.077	-1.38	24.408	7.58	3.3	2150.8
6/7/04 7:30	23.57	217.421	-1.37	24.401	7.58	3.2	1968
6/7/04 8:00	22.82	220.005	-1.36	24.36	7.61	3.1	1689.6
6/7/04 8:30	23.01	218.041	-1.37	24.455	7.62	3	1070.5
6/7/04 9:00	22.53	218.899	-1.37	24.47	7.59	3	683
6/7/04 9:30	22.35	218.047	-1.38	24.559	7.56	3	521.9
6/7/04 10:00	23.42	213.193	-1.42	24.721	7.54	3.1	470.9
6/7/04 10:30	23.55	213.405	-1.41	24.782	7.53	3	424.5
6/7/04 11:00	23.63	213.417	-1.41	24.83	7.53	3.1	379.1
6/7/04 11:30	23.63	211.203	-1.43	24.919	7.52	3.3	350.5
6/7/04 12:00	22.41	215.95	-1.4	24.841	7.52	4.3	347.3
6/7/04 12:30	22.77	214.064	-1.42	24.947	7.51	5.4	360.8
6/7/04 13:00	23.42	211.974	-1.43	25.027	7.5	7.2	456.7
6/7/04 13:30	23.69	214.605	-1.4	25	7.5	9.7	763.6
6/7/04 14:00	23.39	216.665	-1.38	24.974	7.49	12.4	1692.6
6/7/04 14:30	23.69	214.843	-1.4	25.017	7.49	7.8	2230.6
6/7/04 15:00	23.03	217.775	-1.38	24.933	7.49	13.9	2462.4
6/7/04 15:30	22.82	220.062	-1.36	24.914	7.49	16.5	2500.1
6/7/04 16:00	24.01	215.353	-1.39	25.013	7.49	17.6	2509
6/7/04 16:30	24.11	215.039	-1.39	25.014	7.51	19.8	2509.8
6/7/04 17:00	23.35	218.455	-1.36	24.944	7.52	13.2	2504.2
6/7/04 17:30	23.25	220.43	-1.35	24.871	7.52	21.7	1248.6
6/7/04 18:00	23.67	219.756	-1.35	24.881	7.52	19	389.8
6/7/04 18:30	23.56	221.227	-1.33	24.831	7.54	22.3	149.4
6/7/04 19:00	23.47	173.039	-1.86	25.915	7.55	17.8	90.6
6/7/04 19:30	22.62	224.497	-1.31	24.715	7.55	18.9	79
6/7/04 20:00	23.64	222.273	-1.32	24.743	7.55	7.7	41.8
6/7/04 20:30	22.56	229.55	-1.27	24.564	7.54	5.2	12.9
6/7/04 21:00	23.78	221.992	-1.32	24.753	7.54	10.7	7.5
6/7/04 21:30	23.5	224.04	-1.31	24.661	7.55	8.5	6.3
6/7/04 22:00	23.71	224.894	-1.3	24.625	7.54	7.1	6.2
6/7/04 22:30	23.87	225.177	-1.29	24.607	7.55	8.3	6.1
6/7/04 23:00	23.01	227.68	-1.28	24.535	7.55	4.9	6.1
6/7/04 23:30	22.94	227.316	-1.28	24.487	7.55	5	6.1
6/8/04 0:00	22.61	227.931	-1.28	24.461	7.55	4.1	6.1
6/8/04 0:30	23.93	226.363	-1.28	24.494	7.54	3.6	6.1
6/8/04 1:00	23.96	227.242	-1.27	24.424	7.53	3.2	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/8/04 1:30	22.89	233.95	-1.22	24.271	7.55	3	6.2
6/8/04 2:00	22.87	231.537	-1.24	24.267	7.55	3	6.2
6/8/04 2:30	23.42	228.096	-1.27	24.304	7.54	3.1	6.4
6/8/04 3:00	22.82	231.936	-1.24	24.19	7.54	3.1	6.2
6/8/04 3:30	23.52	227.641	-1.27	24.271	7.53	3.1	6.2
6/8/04 4:00	23.55	227.394	-1.27	24.271	7.53	3.1	6.3
6/8/04 4:30	23.66	226.307	-1.28	24.273	7.53	3.1	6.5
6/8/04 5:00	23.42	225.044	-1.3	24.279	7.53	3	6.8
6/8/04 5:30	22.38	233.989	-1.23	24.033	7.53	3	7
6/8/04 6:00	22.95	230.083	-1.26	24.142	7.53	3.1	7.3
6/8/04 6:30	22.5	229.554	-1.27	24.147	7.52	3.1	7.8
6/8/04 7:00	23.53	226.101	-1.29	24.246	7.51	3.2	9
6/8/04 7:30	23.68	226.61	-1.28	24.223	7.5	3.1	11
6/8/04 8:00	23.87	224.586	-1.3	24.289	7.5	3.1	13.3
6/8/04 8:30	23.08	229.037	-1.26	24.194	7.5	3.2	17.3
6/8/04 9:00	22.88	226.043	-1.3	24.299	7.5	3.1	28.4
6/8/04 9:30	24.08	220.287	-1.34	24.484	7.56	3.2	68.1
6/8/04 10:00	22.7	224.103	-1.32	24.43	7.54	3.1	132
6/8/04 10:30	23.88	222.873	-1.31	24.505	7.54	3.2	228.3
6/8/04 11:00	23.88	219.344	-1.35	24.639	7.53	3.2	335.2
6/8/04 11:30	23.18	229.171	-1.26	24.431	7.51	3.3	701.8
6/8/04 12:00	23.44	220.908	-1.34	24.696	7.5	3.2	1142.5
6/8/04 12:30	24.33	217.857	-1.36	24.81	7.51	3.5	2037.2
6/8/04 13:00	23.3	222.104	-1.33	24.705	7.52	4.2	2503.7
6/8/04 13:30	24.71	217.41	-0.16	24.852	7.54	4.1	2514.4
6/8/04 14:00	24.78	222.949	-0.23	24.747	7.55	4.2	2514.9
6/8/04 14:30	24.82	221.605	-0.32	24.801	7.56	5.7	2515.3
6/8/04 15:00	23.55	225.827	-0.75	24.732	7.55	5.5	1976.6
6/8/04 15:30	24.11	222.768	-1.31	24.828	7.56	5.7	1883.1
6/8/04 16:00	24.86	220.247	-0.43	24.833	7.56	6.3	1385.9
6/8/04 16:30	23.66	222.454	-0.39	24.804	7.56	7.2	871.7
6/8/04 17:00	23.62	224.186	-0.54	24.732	7.55	6.4	586.9
6/8/04 17:30	24.99	218.965	-0.38	24.91	7.55	7.2	491.2
6/8/04 18:00	25.03	219.277	0.75	24.855	7.57	8.2	440.6
6/8/04 18:30	24.44	220.056	0.56	24.849	7.56	7.8	403.1
6/8/04 19:00	23.62	224.483	-0.41	24.717	7.55	6.4	359.4
6/8/04 19:30	24.07	223.798	-0.55	24.728	7.55	8	337.9
6/8/04 20:00	24.93	219.398	-1.06	24.75	7.55	7	343.2
6/8/04 20:30	24.51	171.86	-1.85	25.841	7.56	8	366.7
6/8/04 21:00	24.34	215.566	0.49	24.86	7.58	11.9	485.2
6/8/04 21:30	24	219.263	-1.17	24.747	7.57	8	868.1
6/8/04 22:00	24.69	210.951	0.37	24.944	7.57	7.4	1611.7
6/8/04 22:30	25.03	216.119	0.4	24.822	7.58	5.9	2240.1
6/8/04 23:00	22.96	222.287	0.72	24.643	7.61	5.3	2372.1
6/8/04 23:30	22.83	215.034	0.98	24.822	7.62	4.8	2500.3
6/9/04 0:00	24.04	209.337	0.9	24.923	7.61	4.3	2509.4
6/9/04 0:30	23.04	214.148	1.01	24.778	7.61	3.6	2502
6/9/04 1:00	24.04	217.92	0.94	24.682	7.61	3.3	2509.5
6/9/04 1:30	23.91	219.726	1.02	24.567	7.6	3.3	2508.5
6/9/04 2:00	23.4	178.673	1.09	25.481	7.6	3	2504.7
6/9/04 2:30	22.38	225.28	1.2	24.464	7.62	3.1	1407.7
6/9/04 3:00	22.15	226.272	-1.01	24.397	7.6	3	2459.1
6/9/04 3:30	22.61	224.649	1.26	24.39	7.6	2.9	670
6/9/04 4:00	22.66	220.338	0.58	24.418	7.6	2.8	669.2
6/9/04 4:30	23.16	220.526	0.71	24.396	7.61	2.8	430
6/9/04 5:00	22.43	225.627	1.01	24.358	7.6	3	535.7
6/9/04 5:30	23.75	219.306	1.23	24.417	7.6	2.9	83.6
6/9/04 6:00	23.06	220.828	1.24	24.352	7.6	3.2	20.2
6/9/04 6:30	23.83	219.216	1.17	24.458	7.59	3.1	10.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/9/04 7:00	23.33	180.417	1	25.306	7.59	3.1	7.7
6/9/04 7:30	23.45	181.993	1.12	25.244	7.58	3.1	6.7
6/9/04 8:00	23.5	194.158	1.24	25.042	7.6	3.1	5.6
6/9/04 8:30	23.94	219.011	1.05	24.434	7.61	3.1	6.3
6/9/04 9:00	23.97	219.065	0.98	24.472	7.6	3.1	6.2
6/9/04 9:30	22.74	224.143	1.11	24.363	7.6	2.9	6.1
6/9/04 10:00	22.69	224.34	0.89	24.366	7.6	2.9	6.1
6/9/04 10:30	24.07	215.431	1	24.637	7.58	3.1	6.1
6/9/04 11:00	23.74	219.726	1.03	24.525	7.58	3.1	6.2
6/9/04 11:30	24.15	215.292	1.05	24.685	7.58	3.3	6.3
6/9/04 12:00	24.25	203.329	1.25	24.989	7.58	4.1	6.1
6/9/04 12:30	24.06	214.304	0.99	24.718	7.59	5.6	6.1
6/9/04 13:00	23.59	216.696	0.91	24.748	7.58	7.5	6.1
6/9/04 13:30	23.74	214.53	0.96	24.834	7.58	6.2	6.2
6/9/04 14:00	23.35	211.273	1.03	24.95	7.58	8.2	6.1
6/9/04 14:30	22.94	213.003	0.98	24.922	7.58	9.9	6.2
6/9/04 15:00	23.62	210.622	1.04	24.947	7.58	13.7	6.2
6/9/04 15:30	23.07	207.081	1.05	25.098	7.58	14.5	6.2
6/9/04 16:00	23.51	211.25	0.85	24.965	7.58	16	6.2
6/9/04 16:30	23.11	213.111	0.93	24.932	7.58	15.8	6.2
6/9/04 17:00	24.35	211	0.89	25.008	7.58	17	6.2
6/9/04 17:30	24.1	169.369	0.55	25.924	7.59	13.2	6.4
6/9/04 18:00	24.13	169.68	0.8	25.847	7.59	12.9	6.6
6/9/04 18:30	24.24	201.393	0.65	25.158	7.59	12.1	7
6/9/04 19:00	24.13	201.73	0.54	25.153	7.61	11.2	7.3
6/9/04 19:30	24.5	198.136	0.49	25.23	7.62	12	7.6
6/9/04 20:00	24.7	198.341	0.62	25.223	7.62	11.9	8.3
6/9/04 20:30	24.19	170.84	0.92	25.796	7.62	10.5	9.7
6/9/04 21:00	24.38	176.148	0.77	25.707	7.62	11.7	12
6/9/04 21:30	24.4	175.204	0.65	25.7	7.62	10.5	14.8
6/9/04 22:00	24.51	181.682	0.69	25.581	7.62	9.3	17.6
6/9/04 22:30	24.45	181.252	0.58	25.522	7.62	7.7	21.5
6/9/04 23:00	24.89	203.535	0.41	25.017	7.62	6.7	25
6/9/04 23:30	24.69	206.974	0.35	24.988	7.61	5.5	35.1
6/10/04 0:00	23.92	212.405	0.49	24.854	7.61	4.7	70.3
6/10/04 0:30	23.37	215.723	0.46	24.684	7.6	3.9	106.9
6/10/04 1:00	23.83	210.941	0.94	24.866	7.62	3.3	137.1
6/10/04 1:30	23.29	212.727	0.96	24.828	7.61	3	188.6
6/10/04 2:00	23.84	210.836	0.97	24.825	7.6	3.2	336.7
6/10/04 2:30	22.61	214.956	1.1	24.793	7.62	3.1	580.9
6/10/04 3:00	22.36	215.51	1.11	24.75	7.62	3	898.1
6/10/04 3:30	23.71	209.855	1.24	24.933	7.61	3.1	1388.3
6/10/04 4:00	23	212.577	1.22	24.775	7.6	3.1	2174
6/10/04 4:30	23.3	211.154	1.24	24.851	7.6	3.1	2503.7
6/10/04 5:00	22.31	215.07	1.32	24.737	7.61	3.1	2496.2
6/10/04 5:30	23.23	211.218	1.2	24.787	7.6	3	2503.2
6/10/04 6:00	22.55	214.429	1.26	24.719	7.6	3	2498.1
6/10/04 6:30	22.59	214.192	1.2	24.722	7.59	3	1926.1
6/10/04 7:00	22.58	214.403	1.24	24.669	7.6	3	1868.8
6/10/04 7:30	23.03	213.148	1.15	24.709	7.59	3	1452.4
6/10/04 8:00	22.7	214.411	1.18	24.662	7.6	3	953.6
6/10/04 8:30	23.02	213.11	0.98	24.697	7.6	3	638.9
6/10/04 9:00	24.05	206.624	1.1	24.868	7.6	3.1	517
6/10/04 9:30	23.75	208.225	1.01	24.847	7.6	3.1	459.4
6/10/04 10:00	24.52	208.213	0.58	24.87	7.65	3.2	418.7
6/10/04 10:30	25.73	207.019	0.06	24.92	7.67	3	382.3
6/10/04 11:00	26.13	206.488	-0.07	24.908	7.68	3	353
6/10/04 11:30	25.39	210.341	-0.17	24.846	7.68	3.4	336.1
6/10/04 12:00	25.91	207.362	-0.16	24.978	7.68	4.1	340.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/10/04 12:30	24.35	212.308	-0.11	24.863	7.68	5.7	368.6
6/10/04 13:00	24.41	211.694	0.08	24.907	7.68	6.9	483.8
6/10/04 13:30	24.95	210.29	0.07	24.948	7.67	9.3	785.1
6/10/04 14:00	25.25	188.89	0.1	25.411	7.67	11.4	1450.3
6/10/04 14:30	25.2	188.05	0.1	25.436	7.67	13.4	2187
6/10/04 15:00	25	188.977	0.09	25.475	7.67	15.7	2202.3
6/10/04 15:30	25.05	187.446	0.24	25.486	7.67	18.2	2453.1
6/10/04 16:00	25.46	190.484	0.05	25.403	7.67	20.4	2520.6
6/10/04 16:30	25.52	191.363	-0.14	25.413	7.68	21.8	2521.1
6/10/04 17:00	25.53	191.428	-0.18	25.407	7.68	23.2	2521.3
6/10/04 17:30	26.05	209.162	-0.22	24.996	7.69	25.1	2525.2
6/10/04 18:00	25.09	214.064	-0.23	24.864	7.69	28.3	2518
6/10/04 18:30	25.6	209.133	-0.47	24.985	7.69	24.8	2459
6/10/04 19:00	25.03	212.629	-0.43	24.874	7.7	22.9	1375
6/10/04 19:30	25.59	192.874	-0.24	25.316	7.7	23.7	558.5
6/10/04 20:00	25.42	207.415	-0.46	24.966	7.7	23.6	284.7
6/10/04 20:30	25.18	194.458	-0.31	25.24	7.71	21.5	158.7
6/10/04 21:00	25.49	210.09	-0.32	24.858	7.7	18.7	87.4
6/10/04 21:30	25.86	207.988	-0.19	24.903	7.69	16.5	66.2
6/10/04 22:00	24.77	213.478	-0.07	24.758	7.68	13.6	49.1
6/10/04 22:30	24.09	215.337	0	24.692	7.67	11.9	36.2
6/10/04 23:00	25.03	209.119	0.26	24.834	7.67	10.3	19.6
6/10/04 23:30	24.66	190.918	0.38	25.26	7.66	7.4	13.8
6/11/04 0:00	24.42	189.898	0.33	25.287	7.66	5.2	10.3
6/11/04 0:30	23.72	214.864	0.54	24.735	7.66	4.2	8.5
6/11/04 1:00	24.23	190.231	0.49	25.303	7.66	3.3	7.3
6/11/04 1:30	24.16	190.08	0.7	25.323	7.64	2.9	6.5
6/11/04 2:00	24.18	190.05	0.71	25.354	7.64	3.3	6.3
6/11/04 2:30	24.2	190.003	0.62	25.349	7.63	3.1	6.2
6/11/04 3:00	24.17	190.44	0.65	25.336	7.63	3	6.2
6/11/04 3:30	24.21	189.963	0.71	25.375	7.62	3.2	11.5
6/11/04 4:00	24.24	190.72	0.55	25.375	7.62	3.2	6.1
6/11/04 4:30	24.15	193.665	0.6	25.292	7.61	3.1	5.9
6/11/04 5:00	24.32	192.373	0.65	25.312	7.6	3.2	6
6/11/04 5:30	24.42	192.363	0.65	25.307	7.6	3	7.1
6/11/04 6:00	24.47	193.462	0.28	25.287	7.6	3	6
6/11/04 6:30	25.06	192.92	0.09	25.306	7.66	3	5.8
6/11/04 7:00	24.53	191.982	0.52	25.311	7.64	3	6.1
6/11/04 7:30	24.68	192.205	0.37	25.288	7.64	3.1	5.9
6/11/04 8:00	24.69	192.824	0.2	25.299	7.66	2.9	5.9
6/11/04 8:30	24.65	199.31	0.32	25.12	7.66	3.1	5.9
6/11/04 9:00	24.44	193.22	0.43	25.273	7.66	3.1	5.9
6/11/04 9:30	24.82	191.53	0.42	25.321	7.65	3.1	5.9
6/11/04 10:00	25.19	207.719	0.32	24.927	7.66	3.1	5.9
6/11/04 10:30	24.55	209.979	0.55	24.896	7.66	3	6
6/11/04 11:00	24.17	193.098	0.49	25.255	7.65	3.1	8.4
6/11/04 11:30	24.6	190.582	0.55	25.316	7.65	3.4	6.4
6/11/04 12:00	24.54	191.853	0.43	25.317	7.65	4.3	6.5
6/11/04 12:30	24.25	194.401	0.42	25.28	7.65	6.3	6.8
6/11/04 13:00	24.63	191.202	0.43	25.326	7.64	7.9	7.2
6/11/04 13:30	24.28	194.423	0.46	25.258	7.64	10.3	7.6
6/11/04 14:00	24.31	193.058	0.47	25.316	7.64	10.9	8.1
6/11/04 14:30	23.8	217.575	0.61	24.767	7.64	14.2	9.1
6/11/04 15:00	24.62	191.777	0.48	25.378	7.64	17.5	11.4
6/11/04 15:30	24.49	193.131	0.65	25.352	7.65	19.7	16.2
6/11/04 16:00	24.12	196.979	0.56	25.246	7.66	21.9	25.8
6/11/04 16:30	24.59	193.269	0.5	25.32	7.66	22.9	40.2
6/11/04 17:00	23.88	195.773	0.59	25.229	7.66	25.3	69.3
6/11/04 17:30	23.75	197.512	0.51	25.195	7.67	26.9	132.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/11/04 18:00	24.7	194.046	0.49	25.266	7.67	26.9	292.9
6/11/04 18:30	24.36	195.158	0.55	25.253	7.67	26.1	688.4
6/11/04 19:00	24.37	195.656	0.49	25.185	7.67	27	984.5
6/11/04 19:30	24.62	193.176	0.39	25.218	7.68	27.9	1505.1
6/11/04 20:00	24.1	195.55	0.33	25.163	7.69	24.9	2504.7
6/11/04 20:30	24.71	192.045	0.3	25.23	7.68	22.5	2514.8
6/11/04 21:00	24.18	195.309	0.32	25.113	7.69	20.7	2510.9
6/11/04 21:30	24.65	194.232	0.3	25.151	7.67	13.5	2514.4
6/11/04 22:00	24.73	190.507	0.44	25.221	7.68	14.8	1892.2
6/11/04 22:30	24.76	168.589	0.64	25.669	7.68	12.1	1806.3
6/11/04 23:00	24.62	191.662	0.25	25.154	7.68	9.3	1277.7
6/11/04 23:30	24.76	189.841	0.25	25.213	7.67	7.8	726
6/12/04 0:00	24.38	192.916	0.2	25.155	7.67	5.6	515.3
6/12/04 0:30	24.91	190.669	0.37	25.212	7.65	4.5	451.7
6/12/04 1:00	24.47	191.05	0.37	25.214	7.64	3.6	411.5
6/12/04 1:30	24.21	190.209	0.43	25.263	7.63	3.1	362.4
6/12/04 2:00	24.07	191.865	0.64	25.245	7.62	3.1	339.6
6/12/04 2:30	24.16	190.931	0.62	25.292	7.61	3	348.3
6/12/04 3:00	24.24	191.12	0.63	25.326	7.6	3.1	408.8
6/12/04 3:30	24.43	189.733	0.59	25.367	7.61	3.1	708.2
6/12/04 4:00	24.46	189.785	0.66	25.396	7.6	2.8	1513.4
6/12/04 4:30	24.63	189.984	0.64	25.417	7.6	3	2255.3
6/12/04 5:00	24.44	190.957	0.51	25.392	7.62	2.9	2471.7
6/12/04 5:30	24.64	190.007	0.44	25.435	7.64	3.2	2514.3
6/12/04 6:00	24.26	192.478	0.39	25.386	7.65	3.2	2511.5
6/12/04 6:30	24.7	192.377	0.42	25.399	7.65	3.1	2514.8
6/12/04 7:00	24.83	193.143	0.33	25.359	7.65	3.1	2515.7
6/12/04 7:30	24.78	190.737	0.35	25.45	7.65	3.1	2515.4
6/12/04 8:00	24.25	197.444	0.42	25.275	7.65	2.9	1788
6/12/04 8:30	25.06	193.121	0.13	25.366	7.65	3.1	746.4
6/12/04 9:00	24.87	168.522	0.67	25.898	7.65	2.8	240.6
6/12/04 9:30	24.94	167.699	0.42	25.917	7.65	3.2	121.4
6/12/04 10:00	24.9	168.064	0.34	25.896	7.64	3.2	181.3
6/12/04 10:30	24.51	192.475	0.19	25.356	7.63	3.1	202.8
6/12/04 11:00	24.45	190.448	0.53	25.407	7.62	2.9	159.1
6/12/04 11:30	24.38	190.445	0.52	25.405	7.61	3.3	62.6
6/12/04 12:00	24.3	187.071	0.58	25.482	7.6	4.6	23.6
6/12/04 12:30	24.36	187.912	0.42	25.471	7.6	4.7	14.9
6/12/04 13:00	24.02	191.863	0.58	25.371	7.59	7.9	9.8
6/12/04 13:30	24.53	191.992	0.68	25.385	7.6	10.5	8
6/12/04 14:00	24.3	193.944	0.54	25.344	7.6	13.1	7.1
6/12/04 14:30	24.21	192.515	0.69	25.341	7.59	15.9	6.4
6/12/04 15:00	24.6	190.994	0.5	25.384	7.59	17.6	6.2
6/12/04 15:30	25.17	190.036	0.39	25.419	7.64	19.8	6
6/12/04 16:00	24.95	168.633	0.46	25.847	7.65	22.5	5.9
6/12/04 16:30	25.24	193.022	0.08	25.333	7.65	26.5	5.9
6/12/04 17:00	24.93	190.888	0.1	25.363	7.66	24.9	5.9
6/12/04 17:30	25.08	192.575	0.08	25.305	7.65	25.8	5.9
6/12/04 18:00	25.02	169.603	0.31	25.784	7.65	26.6	5.9
6/12/04 18:30	24.75	192.67	0.02	25.258	7.66	26.9	5.9
6/12/04 19:00	24.77	192.697	-0.01	25.237	7.67	27.4	5.9
6/12/04 19:30	25.07	192.891	0.05	25.21	7.66	12.1	5.9
6/12/04 20:00	24.78	195.207	0.06	25.124	7.68	26.4	5.9
6/12/04 20:30	25.22	169.824	0.06	25.674	7.67	20.3	6.1
6/12/04 21:00	25.37	169.847	-0.12	25.624	7.68	23.1	6.9
6/12/04 21:30	25.36	191.98	-0.02	25.125	7.69	20.8	6.5
6/12/04 22:00	25.61	169.54	-0.01	25.601	7.69	16.9	6.8
6/12/04 22:30	26.06	191.262	-0.3	25.137	7.68	12	7.3
6/12/04 23:00	25.72	193.625	-0.64	25.089	7.66	11.5	8.1

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/12/04 23:30	24.93	193.61	-0.13	25.073	7.64	8.8	9.3
6/13/04 0:00	24.4	198.638	0.15	24.971	7.63	7.3	77.2
6/13/04 0:30	24.44	198.944	0.18	24.96	7.62	4.9	34.9
6/13/04 1:00	23.94	192.684	0.7	25.117	7.61	3.4	47.6
6/13/04 1:30	24.05	192.506	0.67	25.137	7.62	2.9	111.5
6/13/04 2:00	24.12	198.722	0.64	25.024	7.61	3.1	411.9
6/13/04 2:30	24.24	190.295	0.68	25.243	7.6	3	846.2
6/13/04 3:00	24.35	197.925	0.55	25.125	7.6	3.1	1772.6
6/13/04 3:30	24.55	191.345	0.57	25.305	7.6	3.2	2513.6
6/13/04 4:00	24.32	168.19	0.38	25.832	7.59	3.1	2511.7
6/13/04 4:30	24.21	192.249	0.56	25.357	7.6	3	2103.9
6/13/04 5:00	24.1	191.688	0.64	25.376	7.59	3.2	1834.4
6/13/04 5:30	24.43	191.801	0.43	25.387	7.58	3.1	1029.8
6/13/04 6:00	24.39	192.405	0.5	25.405	7.57	3	552.7
6/13/04 6:30	24.67	191.516	0.53	25.438	7.56	3.1	441.1
6/13/04 7:00	24.63	193.413	0.38	25.397	7.56	2.8	386
6/13/04 7:30	24.63	193.552	0.35	25.397	7.55	3.1	338.4
6/13/04 8:00	24.5	196.587	0.2	25.353	7.54	3.1	355.6
6/13/04 8:30	24.63	205.089	0.26	25.181	7.55	3.1	675.7
6/13/04 9:00	24.27	207.7	-0.04	25.097	7.53	3	1932.5
6/13/04 9:30	25.58	204.291	0.02	25.201	7.56	3	2133.7
6/13/04 10:00	24.83	207.578	-0.24	25.109	7.55	2.9	2516
6/13/04 10:30	24.73	210.429	-0.14	25.032	7.55	3.1	2515.1
6/13/04 11:00	26.02	207.609	-0.46	25.125	7.54	3.1	2525
6/13/04 11:30	26.14	207.747	-0.28	25.105	7.54	3.4	2526
6/13/04 12:00	25.84	207.343	-0.44	25.091	7.54	4.5	1396.8
6/13/04 12:30	25.62	187.348	-0.11	25.54	7.53	6.4	348.2
6/13/04 13:00	25.71	186.006	-0.31	25.54	7.55	9.1	98.5
6/13/04 13:30	25.48	185.962	-0.13	25.577	7.59	12.7	52.1
6/13/04 14:00	25.2	186.343	-0.06	25.532	7.6	15.1	44.8
6/13/04 14:30	24.76	186.737	0.19	25.499	7.59	17.7	56.8
6/13/04 15:00	24.67	187.328	0.16	25.503	7.6	19.1	98.5
6/13/04 15:30	24.68	186.095	0.4	25.55	7.6	22.6	15.5
6/13/04 16:00	24.43	188.249	0.36	25.45	7.6	23.8	11.4
6/13/04 16:30	25.11	185.855	0.36	25.514	7.61	25.7	8.9
6/13/04 17:00	25.12	186.232	0.13	25.494	7.62	28.2	7.3
6/13/04 17:30	24.96	184.411	0.08	25.496	7.62	29.1	6.5
6/13/04 18:00	24.37	183.133	0.3	25.506	7.61	20	6.3
6/13/04 18:30	24.34	168.719	0.5	25.748	7.61	28.4	6.3
6/13/04 19:00	24.57	185.893	0.53	25.385	7.61	16.4	6
6/13/04 19:30	24.53	190.733	0.37	25.24	7.62	28.6	5.9
6/13/04 20:00	24.58	189.716	0.31	25.229	7.63	29.3	5.9
6/13/04 20:30	24.73	187.602	0.29	25.272	7.63	21.4	5.9
6/13/04 21:00	25.25	192.359	-0.09	25.162	7.63	22.7	5.9
6/13/04 21:30	24.89	184.7	0.02	25.259	7.64	19.9	5.9
6/13/04 22:00	24.86	185.943	0.21	25.178	7.64	18.2	5.9
6/13/04 22:30	24.94	185.716	0.15	25.221	7.63	13.2	5.9
6/13/04 23:00	24.64	187.515	0.13	25.126	7.62	8.7	5.9
6/13/04 23:30	24.72	185.357	0.22	25.203	7.62	8.4	6.3
6/14/04 0:00	24.55	187.493	0.35	25.158	7.61	5.5	5.9
6/14/04 0:30	24.47	188.271	0.27	25.121	7.61	4.8	6.5
6/14/04 1:00	24.63	187.338	0.17	25.123	7.61	3.6	15.3
6/14/04 1:30	24.59	186.232	0.34	25.192	7.61	3.1	140.3
6/14/04 2:00	24.8	185.608	0.23	25.246	7.61	3.2	135.4
6/14/04 2:30	24.75	186.944	0.2	25.245	7.6	3	59.5
6/14/04 3:00	24.79	187.265	0.04	25.279	7.6	3	18.4
6/14/04 3:30	24.64	185.827	0.25	25.332	7.6	2.9	11.4
6/14/04 4:00	24.71	183.91	0.22	25.411	7.59	3	14.8
6/14/04 4:30	24.65	184.431	-1.7	25.477	7.6	3.1	20.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/14/04 5:00	24.31	188.889	0.34	25.407	7.59	3	31.1
6/14/04 5:30	24.95	190.143	0.2	25.431	7.58	3.1	58.4
6/14/04 6:00	24.17	191.326	0.19	25.415	7.58	3	139.3
6/14/04 6:30	24.69	185.409	0.24	25.577	7.61	2.9	387.1
6/14/04 7:00	24.31	186.246	0.18	25.588	7.59	3.3	950.1
6/14/04 7:30	24.89	183.908	0.22	25.615	7.58	3.1	2130.9
6/14/04 8:00	24.73	186.544	0.19	25.601	7.57	2.8	2515
6/14/04 8:30	24.82	185.644	0.17	25.637	7.56	3.1	2515.8
6/14/04 9:00	24.94	187.804	0.18	25.566	7.55	3.1	1901.1
6/14/04 9:30	25.07	187.474	0.07	25.605	7.55	3.1	1464.9
6/14/04 10:00	24.8	189.829	0.17	25.54	7.55	2.9	735
6/14/04 10:30	24.92	190.264	0.03	25.555	7.63	2.9	486.8
6/14/04 11:00	25.34	190.574	-0.2	25.521	7.63	2.9	420.9
6/14/04 11:30	25.64	188.624	-0.1	25.583	7.63	3.3	360.4
6/14/04 12:00	25.14	189.595	-0.12	25.526	7.63	4.4	338.4
6/14/04 12:30	24.82	192.654	-0.05	25.451	7.63	6.4	376.9
6/14/04 13:00	24.46	193.299	0.14	25.42	7.62	8.1	985.4
6/14/04 13:30	24.8	192.767	0.1	25.42	7.62	12.2	2427
6/14/04 14:00	25.02	191.101	0.07	25.461	7.63	15.1	2345
6/14/04 14:30	24.38	194.913	-0.07	25.354	7.62	17.7	2512.5
6/14/04 15:00	25.07	189.503	0	25.48	7.63	21	2517.7
6/14/04 15:30	25.68	185.745	-0.24	25.542	7.64	22.7	2522.4
6/14/04 16:00	25	186.238	-0.06	25.49	7.64	25.1	2354.1
6/14/04 16:30	24.8	166.687	0.47	25.881	7.64	25.7	815.7
6/14/04 17:00	24.39	187.916	0.15	25.424	7.64	27.3	215.2
6/14/04 17:30	24.69	186.552	0.13	25.45	7.64	28.1	68.4
6/14/04 18:00	24.69	181.87	0.38	25.528	7.64	28.2	39.6
6/14/04 18:30	24.92	191.439	0.21	25.296	7.65	17.9	34.7
6/14/04 19:00	24.74	166.469	0.46	25.795	7.66	27.8	30.8
6/14/04 19:30	24.16	206.444	0.08	24.875	7.68	27	21.1
6/14/04 20:00	24.86	178.362	0.56	25.476	7.69	24.9	14.4
6/14/04 20:30	24.64	182.194	0.23	25.363	7.67	23.2	10.6
6/14/04 21:00	24.45	179.177	0.56	25.405	7.66	21.2	8.4
6/14/04 21:30	24.31	178.867	0.76	25.358	7.65	17.3	7.2
6/14/04 22:00	24.09	180.595	0.71	25.324	7.64	16.9	6.6
6/14/04 22:30	24.11	177.487	0.79	25.331	7.63	7.2	6.4
6/14/04 23:00	23.39	194.857	0.66	24.949	7.63	10.6	6.2
6/14/04 23:30	23.92	179.439	1.06	25.258	7.63	8.5	6.1
6/15/04 0:00	23.89	180.687	0.86	25.222	7.63	6.4	6.5
6/15/04 0:30	23.88	181.054	0.76	25.217	7.62	4.8	6.1
6/15/04 1:00	24.04	178.597	0.83	25.27	7.62	3.6	6.1
6/15/04 1:30	24.12	183.756	0.78	25.166	7.63	3.2	6.1
6/15/04 2:00	23.85	185.745	0.61	25.175	7.62	3.4	6.2
6/15/04 2:30	24.08	185.067	0.56	25.227	7.63	3.1	6.1
6/15/04 3:00	24.41	185.735	0.4	25.207	7.63	3.2	6.1
6/15/04 3:30	23.87	186.955	0.62	25.276	7.63	3	6.4
6/15/04 4:00	23.95	186.735	0.53	25.275	7.62	3.3	1395.2
6/15/04 4:30	24.22	185.481	0.53	25.353	7.61	2.9	5.9
6/15/04 5:00	24.21	183.336	0.5	25.466	7.61	3.3	5.9
6/15/04 5:30	24.24	182.664	0.61	25.507	7.6	3	5.9
6/15/04 6:00	24.26	182.648	0.56	25.573	7.6	3.1	5.8
6/15/04 6:30	24.3	181.429	0.62	25.596	7.6	3.1	5.8
6/15/04 7:00	24.59	179.951	0.42	25.683	7.62	3.1	5.8
6/15/04 7:30	24.56	179.449	0.55	25.731	7.61	3.1	5.8
6/15/04 8:00	24.65	180.076	0.54	25.726	7.61	3.3	5.9
6/15/04 8:30	24.66	180.396	0.5	25.729	7.61	3	5.8
6/15/04 9:00	24.66	164.727	0.65	26.075	7.61	2.9	6
6/15/04 9:30	24.58	184.35	0.35	25.688	7.6	3.3	6.3
6/15/04 10:00	24.57	179.724	0.46	25.808	7.61	3	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/15/04 10:30	24.2	185.558	0.42	25.676	7.61	3.2	6.4
6/15/04 11:00	24.31	190.763	0.28	25.558	7.61	2.9	6.7
6/15/04 11:30	25.86	178.308	0	25.853	7.66	3.4	6.8
6/15/04 12:00	25.7	181.847	-1.71	25.784	7.66	4.5	7.3
6/15/04 12:30	25.39	178.959	-1.75	25.827	7.66	6.4	8
6/15/04 13:00	25.32	182.215	-1.71	25.731	7.66	8.8	8.9
6/15/04 13:30	25.68	184.359	-1.68	25.676	7.66	11.9	12.1
6/15/04 14:00	25.95	182.92	-1.69	25.676	7.67	14.6	18.3
6/15/04 14:30	26.08	183.424	-1.68	25.711	7.68	18.2	28.2
6/15/04 15:00	26.11	183.261	-0.45	25.677	7.66	8.2	57.5
6/15/04 15:30	26.68	184.152	-0.94	25.646	7.67	23.9	110.1
6/15/04 16:00	26.52	186.706	-1.52	25.578	7.68	25.2	321.7
6/15/04 16:30	26.36	186.567	-1.46	25.591	7.68	27.4	642.6
6/15/04 17:00	26.35	186.683	-1.43	25.54	7.68	28.2	910
6/15/04 17:30	26.2	188.63	-1.42	25.476	7.68	29.9	1315.3
6/15/04 18:00	26.07	187.576	-1.36	25.464	7.68	30.4	2480.7
6/15/04 18:30	26.28	187.153	-1.25	25.444	7.68	29.7	2526.8
6/15/04 19:00	25.92	185.927	-0.5	25.417	7.68	29	2524.1
6/15/04 19:30	25.53	186.035	-0.4	25.367	7.68	28.8	2521.2
6/15/04 20:00	26.19	183.15	-0.36	25.447	7.69	27.5	1953.3
6/15/04 20:30	26.21	183.321	-0.36	25.393	7.68	16.2	1830.6
6/15/04 21:00	26.26	165.879	-0.48	25.726	7.67	8.9	1393.1
6/15/04 21:30	26.29	167.182	-0.45	25.644	7.67	10	790.4
6/15/04 22:00	26.29	166.406	-0.5	25.627	7.68	17.7	527.7
6/15/04 22:30	26.37	165.8	-0.55	25.618	7.66	12	474
6/15/04 23:00	26.51	167.332	-0.62	25.559	7.67	11.5	414.6
6/15/04 23:30	26.44	167.412	-0.55	25.538	7.66	4.7	365.2
6/16/04 0:00	26.53	167.352	-0.59	25.509	7.66	6.3	334.9
6/16/04 0:30	26.53	166.761	-0.64	25.506	7.66	4.5	331.9
6/16/04 1:00	26.53	167.498	-0.58	25.52	7.65	3.5	396.7
6/16/04 1:30	26.53	167.763	-0.54	25.556	7.64	3	857.6
6/16/04 2:00	26.54	166.979	-0.46	25.562	7.65	2.9	2066.6
6/16/04 2:30	26.56	166.606	-0.61	25.595	7.65	3.1	2291.1
6/16/04 3:00	26.66	167.228	-0.62	25.606	7.65	3	2529.9
6/16/04 3:30	26.69	167.925	-0.61	25.634	7.65	3	2530
6/16/04 4:00	26.77	167.43	-0.49	25.686	7.65	3	2530.7
6/16/04 4:30	26.74	167.426	-0.33	25.742	7.65	3	2530.5
6/16/04 5:00	26.76	167.182	-0.23	25.789	7.66	3	1500.9
6/16/04 5:30	26.8	167.897	-0.23	25.823	7.66	3	481.2
6/16/04 6:00	26.8	167.794	-0.22	25.891	7.65	3.1	129.2
6/16/04 6:30	26.75	167.908	-0.16	25.902	7.65	3	61.8
6/16/04 7:00	26.79	167.04	-0.14	25.986	7.64	3.1	35.4
6/16/04 7:30	26.73	167.125	-0.15	25.996	7.62	3.1	26.6
6/16/04 8:00	26.73	167.083	-0.11	26.049	7.61	2.9	19.2
6/16/04 8:30	26.44	166.362	-0.13	26.084	7.6	2.9	1590
6/16/04 9:00	26.75	167.082	-0.08	26.091	7.6	3.1	9.8
6/16/04 9:30	26.76	163.989	-0.03	26.178	7.6	3	7.9
6/16/04 10:00	26.78	166.388	-0.32	26.129	7.6	2.9	30.8
6/16/04 10:30	26.79	166.632	-0.08	26.144	7.59	3	6.1
6/16/04 11:00	26.72	167.156	-0.02	26.146	7.58	3	5.9
6/16/04 11:30	26.73	167.016	-0.03	26.154	7.57	3.4	5.8
6/16/04 12:00	26.78	166.536	-0.19	26.14	7.57	4.6	6.1
6/16/04 12:30	26.74	165.564	0.05	26.164	7.56	6	5.7
6/16/04 13:00	26.71	166.07	-0.1	26.149	7.56	7	5.7
6/16/04 13:30	26.73	165.605	-0.01	26.142	7.55	9.4	5.6
6/16/04 14:00	26.71	166.645	0	26.11	7.55	13.4	5.7
6/16/04 14:30	26.67	165.386	-0.08	26.12	7.57	17.8	5.7
6/16/04 15:00	26.53	165.594	0.01	26.094	7.62	21.3	5.7
6/16/04 15:30	26.52	165.735	0.09	26.075	7.62	24.2	5.7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/16/04 16:00	26.53	166.656	0.19	26.025	7.62	28.7	5.7
6/16/04 16:30	26.54	166.619	0.17	25.994	7.62	29.1	5.7
6/16/04 17:00	26.55	166.718	0.1	26.007	7.62	9.3	5.7
6/16/04 17:30	26.59	165.613	0.08	25.977	7.63	29.4	5.7
6/16/04 18:00	26.52	166.346	-0.02	25.929	7.63	28.4	5.7
6/16/04 18:30	26.55	166.51	-0.05	25.886	7.63	28.6	5.7
6/16/04 19:00	26.55	165.872	-0.06	25.854	7.63	28.6	5.8
6/16/04 19:30	26.57	166.954	-0.05	25.798	7.64	24.6	5.7
6/16/04 20:00	26.59	166.838	-0.06	25.781	7.64	14.8	5.8
6/16/04 20:30	26.62	165.788	-0.05	25.781	7.65	17	5.7
6/16/04 21:00	26.62	165.652	-0.05	25.734	7.66	22.4	5.7
6/16/04 21:30	26.49	166.648	-0.08	25.671	7.64	19.7	5.7
6/16/04 22:00	26.46	165.778	-0.04	25.623	7.64	15.3	6.9
6/16/04 22:30	26.5	165.332	-0.08	25.628	7.63	10.2	5.7
6/16/04 23:00	26.49	166.431	-0.08	25.542	7.63	9.6	5.8
6/16/04 23:30	26.52	165.901	-0.08	25.537	7.63	9.5	5.9
6/17/04 0:00	26.51	166.324	-0.08	25.489	7.62	7.2	5.9
6/17/04 0:30	26.54	166.429	-0.13	25.501	7.62	5.1	6.1
6/17/04 1:00	26.53	165.769	-0.13	25.514	7.62	3.6	6.5
6/17/04 1:30	26.51	166.449	-0.13	25.472	7.62	3	6.5
6/17/04 2:00	26.53	165.565	-0.15	25.501	7.61	3	6.6
6/17/04 2:30	26.55	166.353	-0.15	25.52	7.61	2.9	6.7
6/17/04 3:00	26.54	166.315	-0.18	25.527	7.6	3	7.1
6/17/04 3:30	26.53	165.456	-0.16	25.581	7.6	2.9	7.5
6/17/04 4:00	26.57	165.723	-0.18	25.62	7.59	3.1	8.1
6/17/04 4:30	26.58	165.523	-0.22	25.671	7.58	2.9	8.9
6/17/04 5:00	26.62	169.75	-0.19	25.592	7.58	3.1	10.8
6/17/04 5:30	26.61	171.996	-0.2	25.631	7.57	3	14.4
6/17/04 6:00	26.61	173.085	-0.18	25.655	7.57	3.1	20.6
6/17/04 6:30	26.58	181.717	-0.16	25.526	7.57	3	27.4
6/17/04 7:00	26.61	181.328	-0.18	25.557	7.57	3	41.8
6/17/04 7:30	26.74	194.033	-0.11	25.292	7.62	2.7	62.3
6/17/04 8:00	26.08	197.096	-0.11	25.272	7.62	2.9	128.2
6/17/04 8:30	26.44	196.096	-0.1	25.344	7.6	3.1	306.7
6/17/04 9:00	26.65	196.12	-0.11	25.384	7.6	3	465.1
6/17/04 9:30	25.91	198.61	-0.13	25.321	7.59	3	746.2
6/17/04 10:00	25.79	199.499	-0.09	25.324	7.62	3	960.2
6/17/04 10:30	25.98	197.297	-0.1	25.423	7.61	3.1	1485.1
6/17/04 11:00	25.95	196.821	-0.09	25.447	7.6	3.1	2129.8
6/17/04 11:30	25.46	197.577	-0.1	25.404	7.59	3.5	2520.5
6/17/04 12:00	25.52	196.968	-0.11	25.478	7.58	4.5	2521.1
6/17/04 12:30	25.84	197.117	-0.1	25.466	7.57	6.3	2523.4
6/17/04 13:00	24.75	200.475	-0.11	25.366	7.6	6.4	2515.1
6/17/04 13:30	25.14	198.31	-0.11	25.43	7.59	10.9	2515.9
6/17/04 14:00	25.64	192.667	-0.09	25.548	7.59	14.2	1916.1
6/17/04 14:30	25.3	194.164	-0.08	25.483	7.59	16.5	1873.3
6/17/04 15:00	25.54	192.923	-0.04	25.518	7.61	19.7	1705.8
6/17/04 15:30	25.14	195.895	-0.04	25.423	7.62	22.2	1223.8
6/17/04 16:00	24.64	197.064	-0.04	25.388	7.63	24.2	807.8
6/17/04 16:30	25.01	194.793	0.02	25.419	7.64	24.9	582
6/17/04 17:00	24.66	197.078	0.03	25.386	7.64	25.9	498.7
6/17/04 17:30	24.92	195.01	0.02	25.382	7.65	26.4	462.7
6/17/04 18:00	25.17	194.072	0.01	25.372	7.65	26.9	417.2
6/17/04 18:30	25.48	193.155	0.04	25.382	7.67	26.5	388.7
6/17/04 19:00	25.2	195.264	0.03	25.302	7.68	25.6	350.2
6/17/04 19:30	25.9	192.234	0.03	25.345	7.69	24.2	332.7
6/17/04 20:00	25.94	193.973	0.03	25.273	7.7	22.5	329.1
6/17/04 20:30	25.48	196.579	0.03	25.181	7.71	20.5	335.2
6/17/04 21:00	25.74	195.462	0.02	25.166	7.7	18.2	390.2

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/17/04 21:30	25.12	202.002	0.03	24.984	7.72	16.9	536.6
6/17/04 22:00	25.33	201.496	0.04	24.943	7.72	15	991.8
6/17/04 22:30	26.01	199.239	0.02	24.96	7.7	12	1755.3
6/17/04 23:00	25.94	200.285	0.01	24.929	7.7	9.6	2143.5
6/17/04 23:30	26.11	199.513	0.01	24.888	7.7	7.8	2198.7
6/18/04 0:00	25.27	201.906	-0.02	24.795	7.69	5.9	2519.2
6/18/04 0:30	26.17	198.749	-0.03	24.849	7.7	4.5	2526
6/18/04 1:00	26.07	198.187	-0.04	24.828	7.69	3.4	2525.2
6/18/04 1:30	25.79	199.957	-0.06	24.786	7.68	3	2523.1
6/18/04 2:00	25.36	200.652	-0.08	24.764	7.67	3.1	2519.8
6/18/04 2:30	25.75	197.69	-0.07	24.837	7.67	2.9	2522.8
6/18/04 3:00	25.47	198.562	-0.08	24.84	7.66	3	1815.1
6/18/04 3:30	26	197.419	-0.09	24.895	7.66	3	775.6
6/18/04 4:00	25.36	198.695	-0.09	24.888	7.66	3	345.3
6/18/04 4:30	25.17	199.53	-0.1	24.891	7.65	3.1	2518.3
6/18/04 5:00	25.87	196.199	-0.11	25.023	7.66	2.9	296.6
6/18/04 5:30	25.81	195.58	-0.12	25.079	7.67	3	44.8
6/18/04 6:00	25.68	197.806	-0.12	25.05	7.66	3	2522.3
6/18/04 6:30	25.32	199.248	-0.12	25.076	7.66	3.2	26.7
6/18/04 7:00	25.55	197.746	-0.12	25.165	7.65	3	2521.3
6/18/04 7:30	25.04	200.021	-0.13	25.147	7.65	3.1	603.2
6/18/04 8:00	25.71	173.406	-0.16	25.778	7.64	3	10.8
6/18/04 8:30	25.66	168.875	-0.18	25.928	7.61	3	8.4
6/18/04 9:00	25.65	179.822	-0.17	25.726	7.61	3	7.1
6/18/04 9:30	25.67	180.122	-0.18	25.753	7.6	3	6.4
6/18/04 10:00	25.03	195.814	-0.18	25.446	7.59	3.1	6.1
6/18/04 10:30	25.7	169.333	-0.22	26.026	7.59	3	6
6/18/04 11:00	25.63	165.736	-0.23	26.131	7.57	3	5.9
6/18/04 11:30	25.59	177.613	-0.22	25.883	7.57	3.4	5.9
6/18/04 12:00	25.39	180.311	-0.21	25.833	7.56	4.3	5.9
6/18/04 12:30	25.67	180.6	-0.2	25.872	7.55	5.5	6.1
6/18/04 13:00	25.56	181.145	-0.13	25.833	7.62	7.9	5.9
6/18/04 13:30	25.12	180.184	-0.08	25.858	7.63	10.3	5.9
6/18/04 14:00	25.11	175.859	-0.07	25.945	7.62	12.6	5.9
6/18/04 14:30	24.97	173.444	-0.06	25.987	7.63	14.9	7.8
6/18/04 15:00	24.99	166.892	-0.04	26.116	7.63	17	6.1
6/18/04 15:30	24.91	166.916	-0.05	26.1	7.62	19.2	6
6/18/04 16:00	24.9	164.076	-0.03	26.146	7.63	21.1	6
6/18/04 16:30	24.85	163.98	-0.01	26.127	7.64	22.5	6
6/18/04 17:00	24.34	165.142	0.03	26.076	7.64	23.1	6.1
6/18/04 17:30	24.8	163.223	0.07	26.095	7.65	25.5	6.3
6/18/04 18:00	24.11	161.487	-0.03	26.114	7.64	25.7	6.2
6/18/04 18:30	24.24	160.351	-0.11	26.121	7.63	11	6.2
6/18/04 19:00	24.38	162.85	0.06	26.017	7.66	25.3	6.2
6/18/04 19:30	24.43	160.309	0.08	26.046	7.67	24.1	6.2
6/18/04 20:00	24.67	160.242	0.08	26.018	7.67	19.9	6.3
6/18/04 20:30	24.31	162.251	0.08	25.942	7.7	21.9	6.3
6/18/04 21:00	24.5	161.85	0.01	25.903	7.66	9.8	6.4
6/18/04 21:30	24.46	163.531	0.05	25.811	7.68	16.6	6.5
6/18/04 22:00	24.55	162.231	0.04	25.8	7.69	14.5	6.8
6/18/04 22:30	24.6	162.686	0.02	25.76	7.67	12.8	7.2
6/18/04 23:00	24.24	165.729	0.03	25.648	7.67	10.5	7.4
6/18/04 23:30	24.61	163.551	0	25.678	7.66	7.3	8
6/19/04 0:00	24.58	163.561	-0.04	25.62	7.65	5.5	8.3
6/19/04 0:30	24.72	161.385	-0.04	25.642	7.65	4.5	8.6
6/19/04 1:00	24.64	164.358	-0.06	25.563	7.65	3.4	9.5
6/19/04 1:30	24.88	164.397	-0.11	25.555	7.63	3.1	10.1
6/19/04 2:00	24.79	167.668	-0.11	25.449	7.63	3.1	11.3
6/19/04 2:30	24.83	168.062	-0.11	25.452	7.63	3.2	12.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/19/04 3:00	24.88	167.841	-0.15	25.468	7.62	3.1	16.7
6/19/04 3:30	24.87	174.31	-0.12	25.338	7.62	3.1	24.2
6/19/04 4:00	24.85	176.01	-0.13	25.322	7.62	3.1	36
6/19/04 4:30	24.85	175.074	-0.13	25.376	7.62	3	51.5
6/19/04 5:00	24.89	169.719	-0.15	25.519	7.61	3.1	79.1
6/19/04 5:30	24.87	167.486	-0.15	25.588	7.61	3	121.4
6/19/04 6:00	24.88	167.738	-0.16	25.631	7.6	3.1	183.2
6/19/04 6:30	24.88	166.387	-0.17	25.692	7.59	3	328.9
6/19/04 7:00	24.9	167.966	-0.17	25.715	7.59	3	641.4
6/19/04 7:30	24.87	165.271	-0.27	25.822	7.58	3	1022.5
6/19/04 8:00	24.89	166.557	-0.18	25.825	7.58	3	1639.3
6/19/04 8:30	24.84	175.059	-0.2	25.702	7.57	3.2	2515.6
6/19/04 9:00	24.9	166.859	-0.21	25.924	7.56	3	2516.1
6/19/04 9:30	24.89	162.548	-0.23	26.057	7.54	3.1	2515.9
6/19/04 10:00	24.98	165.628	-0.2	26.039	7.55	3	2516.7
6/19/04 10:30	24.95	165.888	-0.21	26.071	7.55	3.1	2212
6/19/04 11:00	24.88	166.621	-0.23	26.071	7.54	3.1	1904.3
6/19/04 11:30	24.95	168.464	-0.23	26.055	7.53	3.4	1592.4
6/19/04 12:00	24.93	166.923	-0.21	26.104	7.53	4.7	1025.4
6/19/04 12:30	24.94	167.644	-0.18	26.112	7.53	8.6	670.2
6/19/04 13:00	25.01	165.78	-0.14	26.161	7.53	14.1	511.2
6/19/04 13:30	25.04	164.567	-0.16	26.19	7.51	15.9	468.4
6/19/04 14:00	25.01	160.468	-0.14	26.269	7.51	19.4	414
6/19/04 14:30	24.82	163.474	-0.02	26.208	7.62	22.7	371.2
6/19/04 15:00	24.26	165.214	-0.01	26.153	7.62	26.2	342.3
6/19/04 15:30	23.91	163.237	-0.03	26.188	7.62	30.6	325.8
6/19/04 16:00	23.83	163.586	0.07	26.163	7.62	31.9	334.4
6/19/04 16:30	23.52	164.671	0.06	26.122	7.63	34.4	399.5
6/19/04 17:00	24.22	162.162	0.14	26.171	7.63	36.1	677.6
6/19/04 17:30	24.13	158.797	0.17	26.209	7.63	36.9	1539
6/19/04 18:00	24.13	165.852	0.17	26.04	7.63	20.3	2169.5
6/19/04 18:30	24.33	168.033	0.17	25.965	7.64	36.1	2413.5
6/19/04 19:00	24.33	165.284	0.14	26.001	7.66	33.4	2511.5
6/19/04 19:30	24.34	169.008	0.18	25.896	7.66	32	2511.7
6/19/04 20:00	24.33	169.872	0.13	25.866	7.67	29.3	2511.6
6/19/04 20:30	24.38	170.549	0.12	25.802	7.69	26.5	2512
6/19/04 21:00	24.48	167.71	0.12	25.843	7.69	23.6	2381.7
6/19/04 21:30	24.42	170.027	0.09	25.76	7.68	20.3	695.8
6/19/04 22:00	24.51	168.258	0.13	25.762	7.68	17.5	171.3
6/19/04 22:30	24.51	164.33	-0.01	25.808	7.67	14.3	67.7
6/19/04 23:00	24.55	172.252	0.01	25.586	7.66	11.6	40.2
6/19/04 23:30	24.35	167.487	0.02	25.647	7.66	8.9	29.1
6/20/04 0:00	24.57	167.429	-0.03	25.627	7.66	7.2	19.3
6/20/04 0:30	24.44	166.959	-0.05	25.6	7.65	5.3	11.5
6/20/04 1:00	24.58	174.321	-0.06	25.414	7.64	3.6	6.8
6/20/04 1:30	24.51	165.937	-0.09	25.56	7.63	3.2	5.9
6/20/04 2:00	24.61	160.72	-0.11	25.659	7.63	3	68.5
6/20/04 2:30	24.52	160.548	-0.13	25.639	7.62	3	5.7
6/20/04 3:00	24.66	166.691	-0.12	25.518	7.62	3	5.9
6/20/04 3:30	24.63	166.938	-0.13	25.508	7.62	2.9	5.7
6/20/04 4:00	24.65	169.545	-0.15	25.473	7.6	3	5.9
6/20/04 4:30	24.69	168.102	-0.16	25.513	7.6	3	5.8
6/20/04 5:00	24.68	167.804	-0.16	25.543	7.6	3	5.7
6/20/04 5:30	24.7	167.584	-0.17	25.587	7.59	3.1	5.7
6/20/04 6:00	24.72	162.897	-0.19	25.714	7.58	2.9	5.9
6/20/04 6:30	24.71	159.065	-0.21	25.836	7.57	3	5.7
6/20/04 7:00	24.7	158.369	-0.23	25.863	7.56	3.1	5.8
6/20/04 7:30	24.33	157.619	-0.24	25.935	7.56	3	5.7
6/20/04 8:00	24.83	156.1	-0.25	26.027	7.55	3.1	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/20/04 8:30	25.18	155.889	-0.28	26.074	7.54	3	5.8
6/20/04 9:00	24.9	154.358	-0.3	26.151	7.53	3.1	5.9
6/20/04 9:30	25.16	154.942	-0.28	26.183	7.52	3.1	6.1
6/20/04 10:00	25.11	156.633	-0.2	26.196	7.59	3	6.2
6/20/04 10:30	24.95	157.072	-0.22	26.209	7.57	3	6.5
6/20/04 11:00	24.9	157.746	-0.21	26.229	7.57	3.1	6.6
6/20/04 11:30	24.97	160.74	-0.18	26.208	7.58	3.3	6.9
6/20/04 12:00	24.93	155.508	-0.16	26.337	7.59	4.4	7.4
6/20/04 12:30	24.83	155.194	-0.13	26.347	7.59	7.2	7.9
6/20/04 13:00	24.67	159.58	-0.09	26.276	7.59	9.4	8.8
6/20/04 13:30	24.68	159.374	-0.09	26.28	7.59	5.6	10.4
6/20/04 14:00	24.49	162.278	-0.07	26.215	7.58	7.8	13.9
6/20/04 14:30	24.4	157.972	0	26.313	7.59	21.8	21
6/20/04 15:00	24.51	161.862	0.04	26.228	7.59	23.3	26
6/20/04 15:30	24.28	161.342	0.1	26.236	7.59	25	38.5
6/20/04 16:00	24.1	161.329	0.2	26.21	7.6	26.3	60.7
6/20/04 16:30	24.23	159.551	0.11	26.238	7.59	17.2	78.5
6/20/04 17:00	24.17	161.026	0.26	26.196	7.61	32.8	141.9
6/20/04 17:30	23.99	160.35	0.12	26.182	7.61	34.9	241.3
6/20/04 18:00	24.01	159.225	0.16	26.183	7.61	30.3	524.9
6/20/04 18:30	24.12	159.294	0.19	26.163	7.62	30.9	851.5
6/20/04 19:00	24.4	157.537	0.17	26.18	7.62	25.1	1359.6
6/20/04 19:30	24.29	159.318	0.21	26.111	7.64	26.8	2281.4
6/20/04 20:00	24.21	159.23	0.17	26.087	7.66	25.8	2510.7
6/20/04 20:30	24.24	161.334	0.12	26.01	7.66	23.3	2510.9
6/20/04 21:00	24.33	159.864	0.09	26.017	7.66	21.3	2511.6
6/20/04 21:30	24.29	161.627	0.11	25.951	7.64	14.1	2473.5
6/20/04 22:00	24.35	159.638	0.09	25.955	7.63	18	1880.4
6/20/04 22:30	24.25	163.522	0.01	25.827	7.62	13.1	1816.2
6/20/04 23:00	24.24	162.041	-0.05	25.819	7.62	11.5	1358.1
6/20/04 23:30	24.04	161.517	-0.08	25.8	7.61	8.9	864.6
6/21/04 0:00	24.03	161.721	-0.1	25.752	7.59	5	588.5
6/21/04 0:30	24	161.622	-0.13	25.708	7.59	4.3	492.6
6/21/04 1:00	24.11	163.076	-0.19	25.652	7.57	3.3	439.5
6/21/04 1:30	24.08	161.516	-0.21	25.657	7.56	3.2	401.7
6/21/04 2:00	24.45	155.227	-0.18	25.767	7.57	3	359.5
6/21/04 2:30	24.08	162.636	-0.19	25.581	7.56	3.1	329.7
6/21/04 3:00	23.97	160.627	-0.19	25.615	7.57	3.1	324.2
6/21/04 3:30	24.13	162.914	-0.21	25.574	7.55	3.2	335
6/21/04 4:00	24.17	163.936	-0.21	25.545	7.54	3.1	447.6
6/21/04 4:30	24.16	161.727	-0.23	25.597	7.54	2.7	771.3
6/21/04 5:00	24.23	163.928	-0.23	25.577	7.55	3.1	1561.8
6/21/04 5:30	24.19	162.933	-0.25	25.607	7.53	2.9	2127.6
6/21/04 6:00	23.9	164.713	-0.24	25.6	7.55	3.2	2308.2
6/21/04 6:30	24.15	165.421	-0.25	25.602	7.54	3	2510.3
6/21/04 7:00	24.25	165.559	-0.25	25.647	7.54	3.1	2511
6/21/04 7:30	24.29	166.555	-0.27	25.653	7.53	3	2511.3
6/21/04 8:00	24.23	159.113	-0.29	25.862	7.52	3	2510.8
6/21/04 8:30	24.25	165.711	-0.3	25.767	7.5	3	2510.9
6/21/04 9:00	24.2	164.104	-0.33	25.85	7.49	3.3	1895.3
6/21/04 9:30	24.3	162.617	-0.32	25.917	7.5	3	564.1
6/21/04 10:00	24.25	162.297	-0.37	25.979	7.48	2.9	168.8
6/21/04 10:30	24.38	162.885	-0.37	26.013	7.47	2.9	74.7
6/21/04 11:00	24.26	159.273	-0.38	26.112	7.47	3	46.8
6/21/04 11:30	24.34	161.072	-0.37	26.117	7.47	3.3	34.9
6/21/04 12:00	24.45	160.446	-0.36	26.16	7.47	4.2	27.4
6/21/04 12:30	24.4	160.34	-0.34	26.176	7.45	6.7	17.8
6/21/04 13:00	24.4	160.718	-0.25	26.183	7.46	9.1	11.8
6/21/04 13:30	24.43	160.775	-0.17	26.208	7.47	12.3	7.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/21/04 14:00	24.06	161.299	-0.13	26.194	7.5	15.4	6.6
6/21/04 14:30	24.49	158.445	-0.06	26.263	7.51	18.8	5.9
6/21/04 15:00	24.58	156.747	0.03	26.294	7.51	22.3	5.7
6/21/04 15:30	24.58	160.084	0.06	26.228	7.52	25.2	5.7
6/21/04 16:00	24.46	159.789	-0.04	26.232	7.55	26.7	5.7
6/21/04 16:30	24.45	159.677	0.13	26.223	7.56	29.1	5.7
6/21/04 17:00	24.12	157.31	0.26	26.261	7.58	30.7	5.7
6/21/04 17:30	24.35	156.694	0.23	26.259	7.58	31.3	5.8
6/21/04 18:00	24.35	155.473	0.27	26.281	7.58	29.4	5.8
6/21/04 18:30	24.49	157.373	0.22	26.209	7.6	31.3	5.9
6/21/04 19:00	24.38	156.046	0.21	26.216	7.61	31.9	5.8
6/21/04 19:30	24.53	160.078	0.16	26.136	7.62	28.8	5.7
6/21/04 20:00	24.48	159.997	0.19	26.114	7.63	27.3	5.7
6/21/04 20:30	24.86	159.287	-0.02	26.104	7.59	10.7	5.8
6/21/04 21:00	24.5	159.58	-0.07	26.069	7.58	7.1	5.8
6/21/04 21:30	24.61	158.008	-0.08	26.074	7.58	7.2	5.9
6/21/04 22:00	24.62	158.184	-0.08	26.046	7.58	8.5	5.9
6/21/04 22:30	24.64	158.151	-0.09	26.009	7.57	8	6
6/21/04 23:00	24.69	157.819	-0.12	25.988	7.56	6.7	6.2
6/21/04 23:30	25.09	157.601	-0.1	25.964	7.59	7.6	6.2
6/22/04 0:00	24.9	157.861	-0.11	25.929	7.6	7.1	304
6/22/04 0:30	24.99	157.995	-0.14	25.889	7.6	5	6.8
6/22/04 1:00	25.21	157.053	-0.17	25.889	7.6	3.7	6.8
6/22/04 1:30	25.26	153.37	-0.19	25.933	7.6	3	7.3
6/22/04 2:00	25.68	156.393	-0.2	25.855	7.6	3.1	7.4
6/22/04 2:30	25.55	158.935	-0.2	25.79	7.61	3	7.9
6/22/04 3:00	25.5	161.27	-0.18	25.729	7.61	3	8.7
6/22/04 3:30	25.49	161.538	-0.18	25.713	7.61	3.1	9.8
6/22/04 4:00	25.46	160.021	-0.17	25.741	7.61	3.1	12.7
6/22/04 4:30	25.33	159.727	-0.18	25.743	7.61	3	16.6
6/22/04 5:00	25.04	160.498	-0.17	25.737	7.61	3	24.4
6/22/04 5:30	24.84	160.231	-0.16	25.75	7.61	3.1	33
6/22/04 6:00	24.84	160.633	-0.18	25.755	7.6	3	48.4
6/22/04 6:30	24.94	158.475	-0.18	25.827	7.6	3	71.3
6/22/04 7:00	24.41	157.061	-0.18	25.869	7.61	3.2	115.2
6/22/04 7:30	24.59	160.754	-0.17	25.826	7.61	3	208.5
6/22/04 8:00	24.64	161.942	-0.16	25.833	7.61	3.1	382.4
6/22/04 8:30	24.82	161.252	-0.17	25.894	7.61	3	715.8
6/22/04 9:00	24.93	156.162	-0.19	26.038	7.61	3	1117.7
6/22/04 9:30	24.88	156.604	-0.18	26.073	7.61	3	1877.1
6/22/04 10:00	24.98	156.274	-0.19	26.137	7.61	3	2516.7
6/22/04 10:30	24.99	156.209	-0.19	26.178	7.61	3	2516.8
6/22/04 11:00	24.99	155.909	-0.22	26.219	7.6	3	2516.8
6/22/04 11:30	25.06	155.78	-0.23	26.237	7.6	3.4	2517.3
6/22/04 12:00	25.13	155.998	-0.2	26.269	7.61	4.9	2131.5
6/22/04 12:30	24.95	156.632	-0.17	26.272	7.61	6.4	1887.6
6/22/04 13:00	25.06	156.387	-0.15	26.308	7.61	10.4	1734.2
6/22/04 13:30	24.93	156.297	-0.15	26.324	7.62	12.9	1160.9
6/22/04 14:00	24.94	156.146	-0.12	26.343	7.62	8.7	740.2
6/22/04 14:30	24.88	152.637	-0.07	26.41	7.62	21.6	519
6/22/04 15:00	24.93	156.009	-0.07	26.344	7.62	23.8	463.7
6/22/04 15:30	24.99	155.863	-0.03	26.331	7.63	27.1	407.1
6/22/04 16:00	24.96	156.238	0.01	26.329	7.63	32	372.1
6/22/04 16:30	25.02	155.228	0.01	26.345	7.63	31.6	338.1
6/22/04 17:00	25.05	155.207	-0.02	26.333	7.63	19.2	315.8
6/22/04 17:30	25.05	152.197	0.03	26.384	7.64	36.1	321.4
6/22/04 18:00	24.58	156.708	0.07	26.263	7.66	36.1	356.2
6/22/04 18:30	24.66	156.39	0.11	26.242	7.66	37.4	530.2
6/22/04 19:00	24.92	155.689	-0.01	26.242	7.66	37.1	999.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/22/04 19:30	24.37	157.029	-0.07	26.206	7.66	33.4	1920.6
6/22/04 20:00	24.53	156.092	-0.05	26.203	7.67	31.1	2050.1
6/22/04 20:30	24.3	157.152	-0.06	26.147	7.68	29.9	2492.8
6/22/04 21:00	24.75	155.421	-0.09	26.167	7.68	27.1	2514.9
6/22/04 21:30	24.72	156.047	-0.06	26.111	7.68	24.2	2514.7
6/22/04 22:00	24.42	156.975	-0.13	26.101	7.66	17	2512.4
6/22/04 22:30	25.03	155.609	-0.16	26.078	7.64	14.3	2517.1
6/22/04 23:00	25.55	154.709	-0.18	26.089	7.64	11.5	2521
6/22/04 23:30	25.21	155.541	-0.23	26.035	7.64	9.1	2518.5
6/23/04 0:00	25.04	156.205	-0.27	26.004	7.64	6	1748.5
6/23/04 0:30	25.59	157.294	-0.28	25.988	7.64	4.3	813.4
6/23/04 1:00	25.66	157.059	-0.31	25.944	7.64	3.5	319.6
6/23/04 1:30	25.73	157.971	-0.31	25.897	7.64	3.1	134.3
6/23/04 2:00	25.9	157.6	-0.3	25.88	7.64	3	70.9
6/23/04 2:30	25.7	156.732	-0.4	25.884	7.64	3	43.5
6/23/04 3:00	25.74	155.938	0.2	25.89	7.71	3.1	35.8
6/23/04 3:30	25.68	156.994	-0.01	25.846	7.72	3.1	31.5
6/23/04 4:00	26.12	156.997	-0.21	25.849	7.71	3.1	29.1
6/23/04 4:30	26.4	157.694	-0.66	25.813	7.72	3	22.8
6/23/04 5:00	26.69	157.529	-0.48	25.823	7.72	3.1	16.2
6/23/04 5:30	26.79	154.514	-0.7	25.895	7.72	2.9	12.3
6/23/04 6:00	26.77	157.297	-0.83	25.834	7.72	3.2	9.2
6/23/04 6:30	26.81	158.043	-0.77	25.851	7.72	3	7.3
6/23/04 7:00	26.8	157.68	-1.01	25.882	7.69	3.1	6.4
6/23/04 7:30	26.66	159.304	-1.94	25.839	7.68	3	6
6/23/04 8:00	26.75	158.95	-1.94	25.905	7.69	3	6.1
6/23/04 8:30	26.72	157.545	-1.96	25.952	7.69	3.1	5.6
6/23/04 9:00	27.15	151.452	-2.02	26.113	7.68	3	5.5
6/23/04 9:30	26.68	156.968	-1.97	26.035	7.68	3	5.6
6/23/04 10:00	26.68	157.434	-1.96	26.075	7.68	3.2	5.7
6/23/04 10:30	26.36	155.581	-0.63	26.137	7.73	3.2	5.6
6/23/04 11:00	26.53	145.35	-0.52	26.379	7.72	3.1	5.6
6/23/04 11:30	26.33	148.909	-0.64	26.35	7.72	3.5	5.5
6/23/04 12:00	26.29	148.844	-0.67	26.37	7.72	4.4	5.4
6/23/04 12:30	27.09	150.822	-0.83	26.361	7.72	6.2	5.5
6/23/04 13:00	27.06	150.053	-0.97	26.411	7.72	9.3	5.6
6/23/04 13:30	26.79	151.108	-0.68	26.407	7.73	14.9	5.5
6/23/04 14:00	26.88	152.645	-1.08	26.375	7.73	13.7	5.6
6/23/04 14:30	26.98	152.966	-1.07	26.382	7.73	17.6	5.4
6/23/04 15:00	27.06	150.609	-1.1	26.436	7.73	28.4	5.6
6/23/04 15:30	27.68	141.352	-0.87	26.632	7.73	33.8	5.6
6/23/04 16:00	27.76	142.827	-1.01	26.609	7.74	36.9	5.6
6/23/04 16:30	26.82	145.703	-0.9	26.512	7.75	39	5.6
6/23/04 17:00	26.97	140.15	-0.8	26.616	7.74	37.3	5.6
6/23/04 17:30	26.99	143.36	-0.89	26.553	7.76	36.4	5.6
6/23/04 18:00	27.51	141.994	-0.81	26.572	7.75	51.8	5.6
6/23/04 18:30	26.44	143.832	-0.75	26.527	7.76	50.1	5.5
6/23/04 19:00	27.6	140.416	-0.74	26.577	7.75	21.8	5.5
6/23/04 19:30	27.08	144.628	-1.06	26.479	7.76	36.7	5.6
6/23/04 20:00	27.27	139.909	-0.86	26.543	7.73	14.5	5.6
6/23/04 20:30	27.67	138.16	-0.74	26.591	7.71	6.2	5.7
6/23/04 21:00	26.62	141.68	-0.91	26.493	7.71	3.6	5.6
6/23/04 21:30	26.37	143.109	-0.7	26.442	7.7	4	5.6
6/23/04 22:00	27.51	140.718	-0.9	26.472	7.69	3.9	5.6
6/23/04 22:30	27.61	142.294	-1.04	26.441	7.68	3.7	5.5
6/23/04 23:00	27.59	142.047	-0.88	26.428	7.67	4.1	5.6
6/23/04 23:30	26.49	143.269	-0.93	26.371	7.67	3.2	5.4
6/24/04 0:00	26.8	141.537	-0.93	26.38	7.65	3.1	5.6
6/24/04 0:30	27.03	144.241	-0.76	26.339	7.65	3.2	5.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/24/04 1:00	26.94	146.418	-0.91	26.281	7.64	3	5.6
6/24/04 1:30	27.68	144.76	-1.14	26.284	7.67	3.2	5.5
6/24/04 2:00	26.57	144.042	-0.96	26.275	7.68	2.9	5.5
6/24/04 2:30	26.49	142.626	-0.78	26.265	7.68	3	5.4
6/24/04 3:00	27.09	142.131	-0.94	26.302	7.68	3	5.6
6/24/04 3:30	27.54	141.065	-1.51	26.295	7.67	3.1	27.6
6/24/04 4:00	26.85	141.197	-0.81	26.268	7.67	3.1	5.4
6/24/04 4:30	27.55	138.925	-0.89	26.292	7.66	3.2	5.4
6/24/04 5:00	26.86	140.062	-0.9	26.237	7.66	2.9	5.7
6/24/04 5:30	26.5	143.207	-0.64	26.191	7.65	2.9	5.4
6/24/04 6:00	26.86	140.026	-0.65	26.264	7.64	3.1	5.7
6/24/04 6:30	27.39	139.116	-0.86	26.285	7.63	3.2	5.5
6/24/04 7:00	26.92	139.796	-0.8	26.291	7.64	3.1	5.4
6/24/04 7:30	26.95	137.999	-0.75	26.31	7.62	3	5.4
6/24/04 8:00	27.02	154.48	-1.15	26.017	7.62	3	5.4
6/24/04 8:30	26.96	147.552	-1.24	26.141	7.62	3	5.4
6/24/04 9:00	26.95	147.322	-0.88	26.18	7.6	2.9	5.4
6/24/04 9:30	27.43	143.019	-1.19	26.326	7.61	3	5.5
6/24/04 10:00	26.97	146.536	-0.89	26.27	7.61	2.9	5.4
6/24/04 10:30	27.39	145.36	-1.26	26.316	7.61	3.1	5.4
6/24/04 11:00	27.04	145.182	-0.79	26.358	7.61	3	5.4
6/24/04 11:30	26.91	143.483	-0.77	26.447	7.61	3.1	5.4
6/24/04 12:00	26.45	145.235	-1.05	26.391	7.6	4.2	5.5
6/24/04 12:30	26.78	143.409	-1.07	26.479	7.6	4.3	5.6
6/24/04 13:00	27.01	143.396	-0.82	26.491	7.58	4.7	5.4
6/24/04 13:30	27.01	143.781	-0.85	26.518	7.59	7.1	5.4
6/24/04 14:00	27.41	142.827	-0.91	26.505	7.58	9.2	5.5
6/24/04 14:30	25.82	136.057	-0.32	26.626	7.61	14.9	5.5
6/24/04 15:00	26.33	134.786	-0.29	26.671	7.62	16.9	5.5
6/24/04 15:30	26.25	129.208	0.07	26.762	7.63	20.8	5.6
6/24/04 16:00	25.17	128.571	0.53	26.779	7.62	14.1	5.7
6/24/04 16:30	26.75	127.643	0.64	26.784	7.61	4.5	5.7
6/24/04 17:00	26.32	128.047	0.46	26.767	7.61	11.5	5.6
6/24/04 17:30	25.05	130.129	0.64	26.707	7.62	9.9	5.6
6/24/04 18:00	26.73	126.347	0.84	26.785	7.61	12.5	5.6
6/24/04 18:30	25.9	117.844	0.54	26.918	7.63	11.5	5.6
6/24/04 19:00	26.51	119.526	0.56	26.882	7.61	4.2	5.6
6/24/04 19:30	26.87	120.925	0.36	26.828	7.61	3.7	5.7
6/24/04 20:00	25.14	127.405	0.26	26.674	7.6	3.9	5.6
6/24/04 20:30	25.24	137.487	0.17	26.42	7.61	3.8	5.6
6/24/04 21:00	26.53	151.135	-0.57	26.183	7.63	3.9	5.6
6/24/04 21:30	27.03	133.215	-0.03	26.55	7.63	3.6	5.6
6/24/04 22:00	25.84	148.968	-0.29	26.215	7.63	3.8	5.6
6/24/04 22:30	26.17	146.683	-0.31	26.264	7.62	4.1	5.7
6/24/04 23:00	25.76	143.092	-0.07	26.329	7.62	4.2	5.7
6/24/04 23:30	25.81	147.644	-0.25	26.216	7.61	4.4	5.6
6/25/04 0:00	26.42	143.536	-0.15	26.263	7.6	3.4	5.6
6/25/04 0:30	26.18	146.678	-0.18	26.228	7.59	3.5	5.6
6/25/04 1:00	26.37	141.202	-0.26	26.333	7.59	3.1	5.7
6/25/04 1:30	26.31	143.726	-0.25	26.315	7.59	2.9	5.6
6/25/04 2:00	26.36	149.579	-0.46	26.18	7.6	3	5.6
6/25/04 2:30	26.36	149.028	-0.41	26.169	7.58	3.1	11.5
6/25/04 3:00	27.07	131.523	-0.27	26.525	7.58	3	5.7
6/25/04 3:30	26.22	149.162	-0.51	26.148	7.57	3.1	5.5
6/25/04 4:00	26.21	148.967	-0.47	26.153	7.57	3	5.6
6/25/04 4:30	26.14	148.658	-0.51	26.137	7.55	3	5.9
6/25/04 5:00	26.33	147.539	-0.73	26.188	7.55	3	6.1
6/25/04 5:30	25.69	142.175	-0.22	26.262	7.55	3	5.3
6/25/04 6:00	26.57	137.914	-0.61	26.353	7.55	3	5.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/25/04 6:30	26.55	146.638	-0.58	26.182	7.56	3	5.5
6/25/04 7:00	26.66	146.748	-0.58	26.196	7.55	3	5.5
6/25/04 7:30	26.67	144.037	-0.72	26.247	7.54	3	5.6
6/25/04 8:00	26.58	142.294	-0.95	26.266	7.56	2.9	5.5
6/25/04 8:30	26.28	141.417	-0.35	26.308	7.57	3	5.6
6/25/04 9:00	26.28	144.949	-0.46	26.26	7.56	3	5.6
6/25/04 9:30	26.42	146.257	-0.49	26.257	7.54	2.9	7.3
6/25/04 10:00	26.46	141.594	-0.58	26.365	7.54	2.9	5.5
6/25/04 10:30	26.39	146.008	-0.53	26.299	7.54	3.1	5.5
6/25/04 11:00	26.55	144.069	-0.63	26.372	7.53	2.9	6.9
6/25/04 11:30	26.46	137.673	-0.55	26.501	7.56	3.2	5.5
6/25/04 12:00	26.45	141.203	-0.41	26.457	7.55	4.3	5.5
6/25/04 12:30	26.01	146.409	-0.4	26.382	7.54	6.9	5.5
6/25/04 13:00	26.43	146.392	-0.44	26.405	7.54	9.6	5.6
6/25/04 13:30	26.54	144.759	-0.51	26.458	7.54	13.2	5.5
6/25/04 14:00	26.63	140.791	-0.49	26.541	7.54	18.6	5.6
6/25/04 14:30	26.46	137.506	-0.48	26.585	7.54	16.3	5.6
6/25/04 15:00	26.46	143.595	-0.44	26.502	7.55	12.6	5.6
6/25/04 15:30	26.62	140.171	-0.48	26.56	7.54	14.2	5.5
6/25/04 16:00	26.58	137.324	-0.61	26.558	7.53	9.7	5.6
6/25/04 16:30	26.14	136.98	-0.25	26.554	7.58	8.9	5.6
6/25/04 17:00	25.78	140.649	-0.41	26.493	7.58	9.1	5.6
6/25/04 17:30	26.57	139.269	-0.46	26.521	7.58	7.4	5.6
6/25/04 18:00	26.19	140.555	-0.38	26.451	7.58	6	5.7
6/25/04 18:30	25.65	133.047	0.26	26.571	7.58	4	5.7
6/25/04 19:00	26.27	140.399	-0.29	26.439	7.59	3.9	5.6
6/25/04 19:30	26.66	140.355	-0.87	26.424	7.59	3.6	6.2
6/25/04 20:00	26.68	140.795	-0.7	26.359	7.59	3.9	5.5
6/25/04 20:30	26.58	141.905	-0.37	26.313	7.6	4.8	5.6
6/25/04 21:00	26.67	132.073	-0.26	26.493	7.6	4.2	5.6
6/25/04 21:30	26.32	138.432	-0.4	26.391	7.6	8.1	5.6
6/25/04 22:00	25.57	129.81	-0.15	26.547	7.6	3.9	5.6
6/25/04 22:30	26.88	139.466	-0.38	26.335	7.6	5.5	5.6
6/25/04 23:00	26.22	131.018	0.05	26.485	7.61	3.4	5.6
6/25/04 23:30	26.69	138.709	-0.38	26.354	7.61	4.2	5.6
6/26/04 0:00	26.78	139.733	-0.32	26.33	7.61	3.6	5.6
6/26/04 0:30	26.54	140.519	-0.38	26.322	7.61	3.4	5.6
6/26/04 1:00	26.71	138.126	-0.27	26.374	7.61	3.3	5.6
6/26/04 1:30	26.23	141.095	-0.03	26.324	7.61	3.1	5.6
6/26/04 2:00	25.76	137.875	-0.2	26.397	7.61	3.1	5.6
6/26/04 2:30	25.87	141.232	-0.38	26.355	7.61	2.9	5.6
6/26/04 3:00	26.57	140.129	-0.35	26.359	7.61	3.1	5.6
6/26/04 3:30	25.93	147.21	-0.32	26.232	7.61	2.9	5.6
6/26/04 4:00	25.82	143.542	-0.27	26.324	7.61	3	5.6
6/26/04 4:30	26.25	142.093	-0.05	26.331	7.61	3	5.5
6/26/04 5:00	26.48	146.149	-0.24	26.242	7.62	3	5.5
6/26/04 5:30	26.15	148.375	-0.39	26.207	7.61	3.2	5.5
6/26/04 6:00	26.22	144.852	-0.25	26.3	7.6	3	5.6
6/26/04 6:30	26.33	145.264	-0.23	26.265	7.6	2.9	5.6
6/26/04 7:00	26.13	145.778	-0.34	26.247	7.6	3	5.6
6/26/04 7:30	26.25	145.133	-0.26	26.259	7.59	3	5.5
6/26/04 8:00	26.23	143.869	-0.34	26.271	7.59	3	5.4
6/26/04 8:30	26.22	143.571	-0.3	26.281	7.58	3	5.5
6/26/04 9:00	26.83	142.336	-0.25	26.326	7.61	3	5.5
6/26/04 9:30	26.69	141.597	-0.54	26.367	7.63	2.9	5.4
6/26/04 10:00	26.67	143.615	-0.79	26.352	7.63	2.9	5.6
6/26/04 10:30	26.6	144.137	-0.66	26.342	7.63	3.1	5.6
6/26/04 11:00	26.73	144.009	-0.65	26.368	7.63	3.1	5.1
6/26/04 11:30	26.7	146.333	-0.58	26.316	7.63	3.1	5.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/26/04 12:00	26.63	150.835	-1.06	26.245	7.62	3.4	5.6
6/26/04 12:30	26.64	146.844	-0.74	26.331	7.62	4.3	5.5
6/26/04 13:00	26.48	148.1	-0.84	26.334	7.62	6	5.5
6/26/04 13:30	26.48	148.547	-0.56	26.31	7.63	7.8	5.6
6/26/04 14:00	26.52	146.634	-0.65	26.386	7.63	10.1	5.6
6/26/04 14:30	25.58	149.404	-0.04	26.313	7.62	14.9	5.6
6/26/04 15:00	25.69	149.223	0.02	26.308	7.59	3.7	5.6
6/26/04 15:30	25.62	147.15	0.13	26.344	7.59	4.1	5.7
6/26/04 16:00	25.58	147.377	-0.08	26.335	7.6	5.7	5.6
6/26/04 16:30	26.19	149.056	-0.21	26.274	7.62	7.9	5.6
6/26/04 17:00	26.32	148.432	-0.12	26.261	7.62	10.9	5.6
6/26/04 17:30	26.29	149.378	-0.55	26.252	7.63	16.3	5.7
6/26/04 18:00	26.33	149.753	-0.77	26.229	7.63	17.6	5.7
6/26/04 18:30	26.33	150.015	-0.55	26.188	7.64	21.5	5.6
6/26/04 19:00	26.4	149.63	-0.35	26.163	7.64	28.6	5.6
6/26/04 19:30	26.31	148.825	-0.4	26.16	7.64	20.8	5.6
6/26/04 20:00	26.37	151.989	-0.57	26.083	7.64	25	5.6
6/26/04 20:30	26.37	152.328	-0.44	26.064	7.66	31.8	5.7
6/26/04 21:00	26.4	152.17	-0.47	26.05	7.67	29.2	5.6
6/26/04 21:30	26.28	146.307	-0.38	26.154	7.66	19.2	5.6
6/26/04 22:00	26.35	154.52	-0.42	26	7.63	8.7	5.6
6/26/04 22:30	26.35	152.373	-0.14	26.048	7.63	8.5	5.6
6/26/04 23:00	26.39	160.659	-0.48	25.869	7.63	6.5	5.6
6/26/04 23:30	26.39	151.738	-0.5	26.066	7.63	5.6	5.6
6/27/04 0:00	26.04	152.2	-0.26	26.06	7.61	4.3	5.6
6/27/04 0:30	25.99	155.118	-0.2	26.021	7.6	3.9	5.9
6/27/04 1:00	25.92	155.737	-0.24	26.024	7.61	3.5	5.6
6/27/04 1:30	25.29	179.358	-0.59	25.549	7.61	3	5.6
6/27/04 2:00	25.97	166.691	-0.25	25.863	7.61	3.1	5.6
6/27/04 2:30	25.82	153.284	-0.25	26.173	7.61	3	5.7
6/27/04 3:00	25.82	152.812	-0.11	26.185	7.61	2.9	5.6
6/27/04 3:30	25.83	163.455	-0.14	25.975	7.61	3	5.6
6/27/04 4:00	25.97	162.797	-0.31	26.027	7.62	3	5.6
6/27/04 4:30	25.96	163.169	-0.52	26.023	7.61	3	5.7
6/27/04 5:00	25.93	163.557	-0.14	26.012	7.61	3	5.6
6/27/04 5:30	25.96	167.176	-0.29	25.939	7.61	3	5.8
6/27/04 6:00	26	168.613	-0.43	25.916	7.61	3	2145.4
6/27/04 6:30	26	153.477	-0.24	26.223	7.61	3	6.7
6/27/04 7:00	26.03	154.678	-0.13	26.196	7.6	3.1	5.6
6/27/04 7:30	26.04	157.305	-0.32	26.177	7.6	3.1	5.6
6/27/04 8:00	25.98	152.773	-0.16	26.248	7.61	3	5.4
6/27/04 8:30	25.96	152.23	-0.18	26.259	7.61	3	5.4
6/27/04 9:00	25.93	153.089	-0.34	26.238	7.6	3	162.1
6/27/04 9:30	25.92	156.431	-0.37	26.168	7.6	2.9	5.8
6/27/04 10:00	26.2	178.263	-0.52	25.715	7.6	2.9	6.1
6/27/04 10:30	25.81	179.204	-0.59	25.709	7.59	3	5.6
6/27/04 11:00	25.94	175.896	-0.5	25.787	7.59	3	5.6
6/27/04 11:30	25.28	185.485	-0.58	25.566	7.59	3.4	5.6
6/27/04 12:00	25.46	188.926	-0.71	25.49	7.61	4.7	5.6
6/27/04 12:30	25.46	185.014	-0.62	25.595	7.61	7	5.6
6/27/04 13:00	25.26	182.281	-0.48	25.648	7.6	10	5.6
6/27/04 13:30	25.22	181.3	-0.51	25.679	7.59	13.5	5.6
6/27/04 14:00	25.3	176.949	-0.59	25.757	7.59	16.5	5.6
6/27/04 14:30	25.26	181.21	-0.53	25.694	7.59	20.7	5.7
6/27/04 15:00	25.27	180.102	-0.63	25.679	7.6	24.6	5.6
6/27/04 15:30	26.17	171.987	-0.57	25.868	7.61	27.6	5.6
6/27/04 16:00	26.36	176.489	-0.62	25.726	7.63	30.4	5.7
6/27/04 16:30	26.46	177.357	-0.81	25.696	7.63	32.9	5.6
6/27/04 17:00	25.86	176.975	-0.99	25.686	7.63	34.9	5.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/27/04 17:30	26.2	157.385	-0.56	26.056	7.63	36.2	5.6
6/27/04 18:00	25.42	121.026	-0.26	26.722	7.63	37	5.6
6/27/04 18:30	26.29	126.507	-0.06	26.596	7.63	36.4	1110.5
6/27/04 19:00	26.17	154.211	-0.71	26.016	7.64	35.9	5.7
6/27/04 19:30	26.03	149.126	-0.13	26.092	7.64	33.7	5.7
6/27/04 20:00	26.01	177.855	-0.64	25.478	7.65	32.5	5.7
6/27/04 20:30	26.04	179.498	-0.67	25.405	7.66	29.8	5.7
6/27/04 21:00	25.9	178.449	-0.91	25.422	7.64	26	5.6
6/27/04 21:30	25.85	178.307	-0.74	25.392	7.64	24.4	5.6
6/27/04 22:00	26.11	171.427	-0.79	25.549	7.63	20.8	5.7
6/27/04 22:30	25.46	107.067	0.4	26.752	7.63	16.8	5.6
6/27/04 23:00	26.44	164.147	-0.66	25.682	7.62	13.3	5.6
6/27/04 23:30	26.37	166.138	-0.68	25.657	7.62	10.2	5.6
6/28/04 0:00	26.21	168.738	-0.68	25.604	7.61	7.4	5.8
6/28/04 0:30	26.33	163.955	-0.67	25.732	7.61	5.2	5.6
6/28/04 1:00	26.33	168.701	-0.72	25.655	7.61	3.7	5.7
6/28/04 1:30	26.41	168.134	-0.63	25.701	7.61	3.1	5.7
6/28/04 2:00	25.96	168.94	-0.67	25.706	7.6	3	5.7
6/28/04 2:30	25.6	174.191	-0.75	25.627	7.6	3	5.7
6/28/04 3:00	25.97	165.171	-0.46	25.843	7.59	3	5.7
6/28/04 3:30	26.15	163.965	-0.4	25.926	7.59	3	5.6
6/28/04 4:00	26.13	163.282	-0.55	25.988	7.59	3	5.6
6/28/04 4:30	26.27	163.143	1.73	26.002	7.59	3	5.6
6/28/04 5:00	26.17	167.118	-0.44	25.954	7.58	3.1	5.6
6/28/04 5:30	26.29	168.563	-0.6	25.946	7.59	3.1	5.6
6/28/04 6:00	26.34	167.578	-1.85	25.982	7.59	2.9	5.7
6/28/04 6:30	26.29	165.899	-1.87	26.009	7.59	3	5.6
6/28/04 7:00	26.15	170.342	-1.83	25.927	7.6	3	5.6
6/28/04 7:30	26.01	175.281	-0.87	25.827	7.6	3.1	5.6
6/28/04 8:00	26.29	172.979	-1.79	25.883	7.59	3	5.8
6/28/04 8:30	25.9	175.886	-1.77	25.796	7.59	2.9	5.7
6/28/04 9:00	25.92	175.496	-1.77	25.824	7.58	3.1	5.6
6/28/04 9:30	25.66	177.243	-0.83	25.789	7.58	3.1	5.6
6/28/04 10:00	25.75	175.177	-1.78	25.833	7.58	3	5.6
6/28/04 10:30	25.46	175.671	-1.78	25.817	7.57	3.1	5.6
6/28/04 11:00	25.51	173.215	-1.68	25.857	7.57	3.1	5.7
6/28/04 11:30	24.96	146.604	-1.2	26.392	7.57	3.4	5.6
6/28/04 12:00	25.44	178.07	-0.69	25.767	7.57	4.8	5.6
6/28/04 12:30	25.54	151.402	-0.72	26.305	7.58	7.4	5.6
6/28/04 13:00	25.56	170.385	-0.42	25.931	7.58	10.7	5.6
6/28/04 13:30	25.6	179.252	-0.1	25.731	7.58	14.5	5.7
6/28/04 14:00	25.55	175.701	-0.03	25.813	7.58	18.7	5.7
6/28/04 14:30	25.08	180.779	-0.12	25.693	7.58	22.8	5.6
6/28/04 15:00	25.26	180.989	-1.09	25.653	7.59	26.9	5.7
6/28/04 15:30	25.4	137.885	-1.89	26.522	7.6	30.5	5.7
6/28/04 16:00	26.12	147.324	-1.7	26.347	7.61	34.5	5.7
6/28/04 16:30	25.47	163.359	-1.92	25.983	7.6	38.1	5.7
6/28/04 17:00	25.53	145.209	-2.1	26.326	7.61	39.8	5.7
6/28/04 17:30	25.25	145.954	-1.95	26.266	7.62	44.1	5.7
6/28/04 18:00	25.55	141.569	-2.04	26.305	7.61	43.8	5.7
6/28/04 18:30	25.65	143.465	-1.94	26.251	7.62	44.8	5.6
6/28/04 19:00	25.59	142.135	-1.81	26.209	7.63	44.3	5.7
6/28/04 19:30	25.84	148.241	-1.27	26.059	7.63	42.4	5.8
6/28/04 20:00	25.18	141.606	-0.78	26.154	7.64	38.3	5.7
6/28/04 20:30	25.19	149.75	-0.38	25.967	7.64	34.3	5.7
6/28/04 21:00	25.81	179.554	-0.2	25.35	7.65	32	5.9
6/28/04 21:30	25.93	144.271	-0.19	26.015	7.64	31.2	5.7
6/28/04 22:00	25.26	180.337	-0.24	25.273	7.63	25.7	5.7
6/28/04 22:30	25.81	141.039	-0.28	26.039	7.62	16.9	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/28/04 23:00	26.48	177.087	-0.71	25.321	7.61	13.1	5.7
6/28/04 23:30	26.52	141.876	-0.93	26.044	7.62	11	5.7
6/29/04 0:00	26.77	174.14	0.37	25.419	7.61	8	6.4
6/29/04 0:30	26.44	175.997	-0.32	25.383	7.61	5.4	5.7
6/29/04 1:00	25.84	140.955	0.21	26.121	7.62	3.7	5.8
6/29/04 1:30	25.9	135.261	-0.24	26.27	7.61	3	5.8
6/29/04 2:00	26.54	137.757	-0.24	26.267	7.61	2.9	5.9
6/29/04 2:30	26.59	177.126	-0.32	25.518	7.61	2.9	5.8
6/29/04 3:00	26.66	145.324	-0.33	26.217	7.61	3	6
6/29/04 3:30	26.66	176.209	-0.2	25.647	7.61	2.8	5.6
6/29/04 4:00	26.96	174.981	-0.17	25.715	7.61	2.9	5.9
6/29/04 4:30	27.1	155.537	-0.26	26.173	7.61	3.1	5.6
6/29/04 5:00	26.55	136.438	-0.21	26.574	7.61	3	5.6
6/29/04 5:30	26.25	138.257	-0.2	26.587	7.61	3.1	5.6
6/29/04 6:00	26.96	175.574	-0.15	25.859	7.61	3	5.6
6/29/04 6:30	26.75	178.078	-0.14	25.818	7.61	3	5.6
6/29/04 7:00	26.8	177.728	-0.15	25.86	7.61	3.1	6.1
6/29/04 7:30	26.63	139.847	-0.19	26.658	7.61	3	5.7
6/29/04 8:00	27.06	175.987	-0.14	25.927	7.6	3	27.7
6/29/04 8:30	26.76	177.559	-0.16	25.896	7.6	3	5.7
6/29/04 9:00	26.29	179.368	-0.14	25.849	7.6	3.1	5.6
6/29/04 9:30	26.64	154.042	-0.16	26.388	7.6	3	5.7
6/29/04 10:00	26.58	175.866	-0.14	25.935	7.6	3.1	5.8
6/29/04 10:30	26.67	173.547	-0.15	25.989	7.6	2.8	5.8
6/29/04 11:00	26.44	174.623	-0.17	25.963	7.6	3	5.9
6/29/04 11:30	26.91	173.493	-0.16	25.985	7.6	3.3	6.1
6/29/04 12:00	26.63	154.535	-0.18	26.367	7.59	5.8	5.9
6/29/04 12:30	26.64	172.884	-0.15	25.98	7.6	8.3	5.9
6/29/04 13:00	25.92	176.994	-0.13	25.87	7.6	13.2	6
6/29/04 13:30	26.27	152.325	-0.26	26.378	7.6	15.5	6
6/29/04 14:00	26.67	145.477	-0.22	26.507	7.6	22.2	6
6/29/04 14:30	25.94	148.135	-0.22	26.42	7.61	22.5	6.1
6/29/04 15:00	26.3	173.595	-0.15	25.885	7.61	31.1	6.1
6/29/04 15:30	26.6	173.701	-0.13	25.871	7.6	17.3	6.2
6/29/04 16:00	26.37	156.53	-0.11	26.201	7.62	40.9	6.2
6/29/04 16:30	26.28	145.805	-0.1	26.394	7.62	46.5	6.2
6/29/04 17:00	25.99	143.999	-0.1	26.388	7.61	42.1	6.4
6/29/04 17:30	26.15	142.304	-0.2	26.383	7.62	46.1	6.6
6/29/04 18:00	25.4	140.358	-0.27	26.377	7.61	41.7	6.7
6/29/04 18:30	25.77	142.752	-0.2	26.277	7.6	32.2	6.7
6/29/04 19:00	25.16	142.374	-0.17	26.222	7.62	42.7	6.8
6/29/04 19:30	25.34	146.471	-0.18	26.108	7.61	33	7
6/29/04 20:00	25.73	142.048	-0.14	26.144	7.62	46.7	7.3
6/29/04 20:30	25.67	142.59	-0.08	26.088	7.63	39.8	7.3
6/29/04 21:00	25.97	143.699	-0.09	26.017	7.63	32.7	7.5
6/29/04 21:30	26.41	142.123	-0.14	26.014	7.61	24.2	7.9
6/29/04 22:00	26.12	146.47	-0.14	25.904	7.61	24.6	8.2
6/29/04 22:30	26.2	143.023	-0.16	25.932	7.6	19.6	7.9
6/29/04 23:00	26.59	143.364	-0.17	25.92	7.6	15.6	8.3
6/29/04 23:30	26.64	143.446	-0.19	25.916	7.59	10.5	8.6
6/30/04 0:00	26.23	144.009	-0.22	25.899	7.59	7.3	8.7
6/30/04 0:30	26.02	140.915	-0.25	25.979	7.57	5.2	8.8
6/30/04 1:00	26.71	142.421	-0.27	25.964	7.57	3.6	9.3
6/30/04 1:30	26.01	145.359	-0.34	25.948	7.56	3.1	9.8
6/30/04 2:00	26.05	144.365	-0.34	26.009	7.56	3.2	10.1
6/30/04 2:30	25.95	144.12	-0.36	26.051	7.54	3.1	10.3
6/30/04 3:00	26.38	143.369	-0.39	26.119	7.54	3	20.2
6/30/04 3:30	25.84	143.771	-0.43	26.164	7.53	3	1524.4
6/30/04 4:00	26.21	143.15	-0.4	26.244	7.56	3.3	865.6

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
6/30/04 4:30	26.54	150.095	-0.36	26.165	7.57	3	750.3
6/30/04 5:00	26.7	142.2	-0.37	26.392	7.58	2.9	704.4
6/30/04 5:30	26.76	142.095	-0.34	26.447	7.58	2.9	9.4
6/30/04 6:00	26.82	142.375	-0.37	26.485	7.57	3.1	10.3
6/30/04 6:30	26.5	144.925	-0.37	26.477	7.57	3.2	10.3
6/30/04 7:00	26.49	145.012	-0.38	26.5	7.57	3	10.7
6/30/04 7:30	26.29	146.364	-0.36	26.499	7.58	3	12.6
6/30/04 8:00	26.72	143.846	-0.35	26.575	7.58	3.1	13
6/30/04 8:30	26.76	143.77	-0.33	26.601	7.58	2.9	11.4
6/30/04 9:00	26.18	143.78	-0.32	26.607	7.58	2.9	11.4
6/30/04 9:30	26.8	144.452	-0.31	26.631	7.58	3	11.3
6/30/04 10:00	26.79	149.921	-0.3	26.517	7.58	3.1	11.4
6/30/04 10:30	26.36	142.764	-0.32	26.659	7.58	3.1	11.4
6/30/04 11:00	26.6	142.779	-0.36	26.651	7.58	2.9	11.9
6/30/04 11:30	26.87	143.422	-0.37	26.629	7.57	3.5	12.7
6/30/04 12:00	26.52	140.088	-0.35	26.681	7.57	6.4	13.3
6/30/04 12:30	26.61	143.71	-0.3	26.605	7.58	11.9	9
6/30/04 13:00	25.98	141.723	-0.28	26.646	7.58	15.6	11.3
6/30/04 13:30	26.18	142.643	-0.26	26.595	7.58	20.9	10
6/30/04 14:00	26.62	139.459	-0.25	26.672	7.58	27.4	11.1
6/30/04 14:30	26.54	140.203	-0.28	26.631	7.57	17.2	11.1
6/30/04 15:00	26.01	144.28	-0.25	26.522	7.58	34.7	12.2
6/30/04 15:30	26.51	142.758	-0.22	26.555	7.59	46.8	11.5
6/30/04 16:00	26.06	143.148	-0.22	26.509	7.59	48.9	6.5
6/30/04 16:30	26.26	142.449	-0.25	26.505	7.59	53	6.7
6/30/04 17:00	26.55	142.151	-0.26	26.458	7.59	55.5	7.8
6/30/04 17:30	26.2	143.971	-0.26	26.397	7.6	58.2	8.2
6/30/04 18:00	26.18	143.143	-0.26	26.379	7.6	61.1	8.3
6/30/04 18:30	26.48	149.258	-0.29	26.216	7.59	26.9	11.9
6/30/04 19:00	25.74	143.529	-0.29	26.279	7.6	34.9	10.9
6/30/04 19:30	26.05	143.424	-0.28	26.221	7.6	29.2	12.6
6/30/04 20:00	26.19	139.83	-0.26	26.245	7.63	51	7.6
6/30/04 20:30	26.44	140.741	-0.26	26.176	7.61	40.5	10.1
6/30/04 21:00	25.59	142.396	-0.22	26.079	7.62	27.7	9
6/30/04 21:30	26.48	138.608	-0.27	26.119	7.6	44	7.2
6/30/04 22:00	25.99	141.695	-0.26	25.992	7.59	25.8	6.9
6/30/04 22:30	25.39	140.61	-0.29	25.984	7.59	26.4	9.9
6/30/04 23:00	26.34	139.637	-0.28	25.966	7.58	20.4	7.2
6/30/04 23:30	26.36	135.841	-0.29	26.031	7.58	19.5	6.8
7/1/04 0:00	26.35	135.919	-0.3	26.007	7.57	11.4	50.8
7/1/04 0:30	25.87	141.275	-0.35	25.909	7.56	6.1	7.1
7/1/04 1:00	26.24	139.986	-0.38	25.942	7.55	4.1	7
7/1/04 1:30	25.92	139.917	-0.42	25.958	7.55	3.1	7
7/1/04 2:00	25.96	140.84	-0.44	25.979	7.54	3.1	7.3
7/1/04 2:30	26.16	140.366	-0.44	26.029	7.54	2.9	1680.2
7/1/04 3:00	26.09	139.837	-0.47	26.083	7.54	3.1	111
7/1/04 3:30	26.18	140.44	-0.48	26.146	7.53	3	8.2
7/1/04 4:00	26.07	139.262	-0.48	26.211	7.53	3.1	8.8
7/1/04 4:30	25.93	140.125	-0.43	26.266	7.56	2.9	572.5
7/1/04 5:00	26.95	138.972	-0.43	26.355	7.58	3.1	263.2
7/1/04 5:30	26.44	138.709	-0.43	26.426	7.58	3	99.3
7/1/04 6:00	27.28	138.336	-0.43	26.494	7.58	2.9	7.3
7/1/04 6:30	26.98	138.004	-0.43	26.573	7.58	2.9	9.4
7/1/04 7:00	26.86	138.783	-0.46	26.591	7.57	3	43.3
7/1/04 7:30	26.95	139.376	-0.43	26.647	7.57	3	1844.5
7/1/04 8:00	26.76	136.808	-0.51	26.721	7.57	3.1	148.4
7/1/04 8:30	26.74	137.919	-0.51	26.742	7.57	2.9	23.7
7/1/04 9:00	26.72	139.428	-0.52	26.738	7.56	2.9	18.6
7/1/04 9:30	26.85	138.543	-0.53	26.78	7.57	3.2	7.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/1/04 10:00	26.76	139.24	-0.53	26.775	7.57	3.2	9.4
7/1/04 10:30	26.94	138.716	-0.53	26.794	7.56	3.1	7.5
7/1/04 11:00	26.15	139.643	-0.54	26.771	7.56	3.1	7
7/1/04 11:30	26.26	139.432	-0.54	26.771	7.56	3.3	7.6
7/1/04 12:00	26.67	147.658	-0.51	26.615	7.56	4.7	8.1
7/1/04 12:30	26.44	139.264	-0.52	26.771	7.56	6.4	8.1
7/1/04 13:00	26.59	138.536	-0.49	26.785	7.56	10.7	6.5
7/1/04 13:30	26.58	148.463	-0.44	26.576	7.57	13.7	7.8
7/1/04 14:00	26.2	139.214	-0.47	26.728	7.58	19.8	8.3
7/1/04 14:30	26.46	138.595	-0.46	26.741	7.58	26.1	8.5
7/1/04 15:00	25.97	139.631	-0.46	26.688	7.59	34	8.4
7/1/04 15:30	26.28	139.872	-0.46	26.66	7.59	41.4	8.8
7/1/04 16:00	27.01	137.708	-0.54	26.685	7.59	39.2	9.4
7/1/04 16:30	26.72	148.04	-0.51	26.458	7.59	37.6	8.7
7/1/04 17:00	26.66	148.205	-0.48	26.416	7.6	44.1	5.9
7/1/04 17:30	27.31	136.784	-0.46	26.616	7.6	63.1	5.9
7/1/04 18:00	26.51	136.804	-0.66	26.559	7.63	61.1	6.1
7/1/04 18:30	26.54	134.67	-0.5	26.56	7.62	61.9	6.1
7/1/04 19:00	26.15	139.425	-0.75	26.415	7.62	71.2	5.9
7/1/04 19:30	25.84	139.491	-2.08	26.356	7.63	69.9	6.1
7/1/04 20:00	25.82	140.138	-0.87	26.297	7.63	56.4	6.1
7/1/04 20:30	25.79	139.739	-0.94	26.237	7.64	53.7	6.2
7/1/04 21:00	25.77	138.437	-1.16	26.195	7.62	37.4	6.2
7/1/04 21:30	26.57	138.101	-0.77	26.148	7.63	38.6	6.2
7/1/04 22:00	26.36	136.413	-0.87	26.131	7.59	23.2	6.4
7/1/04 22:30	26.29	133.7	-0.81	26.128	7.58	20.1	6.5
7/1/04 23:00	25.75	138.039	-0.7	25.992	7.59	20.2	6.6
7/1/04 23:30	26.77	136.504	-0.68	25.998	7.59	25.2	6.5
7/2/04 0:00	26.27	144.858	-0.71	25.791	7.57	13.6	6.8
7/2/04 0:30	26.26	133.712	-0.78	25.99	7.57	9.2	6.8
7/2/04 1:00	26.29	147.698	-0.73	25.72	7.56	4.9	6.8
7/2/04 1:30	26.18	138.511	-0.81	25.889	7.55	3.1	6.9
7/2/04 2:00	26.14	136.929	-0.8	25.934	7.55	3	7
7/2/04 2:30	26.14	137.133	-0.79	25.953	7.54	3	2198.9
7/2/04 3:00	25.84	136.479	-0.85	26.002	7.54	2.9	7
7/2/04 3:30	26.27	147.641	-0.78	25.841	7.54	3	7
7/2/04 4:00	26.96	128.44	-0.88	26.259	7.53	3.2	7.3
7/2/04 4:30	26.89	131.079	-0.88	26.276	7.54	3.1	7.4
7/2/04 5:00	26.36	134.053	-0.84	26.286	7.56	3.1	7.6
7/2/04 5:30	27.23	125.551	-0.83	26.523	7.56	3.1	8.6
7/2/04 6:00	26.4	138.081	-0.79	26.342	7.55	3	8.5
7/2/04 6:30	26.71	134.657	-0.85	26.485	7.55	2.9	9.1
7/2/04 7:00	26.19	138.77	-0.87	26.463	7.55	3.1	9.7
7/2/04 7:30	26.06	132.944	-0.8	26.642	7.56	3.2	10.6
7/2/04 8:00	27.28	131.137	-0.85	26.736	7.53	3.4	9.8
7/2/04 8:30	26.16	130.931	-0.86	26.791	7.56	2.8	11.2
7/2/04 9:00	26.6	133.27	-0.89	26.785	7.54	3	13.3
7/2/04 9:30	25.79	134.378	-0.91	26.797	7.55	2.7	14.9
7/2/04 10:00	27.11	126.625	-0.87	26.984	7.55	3.1	19.1
7/2/04 10:30	27	128.711	-0.85	26.974	7.55	3	24.1
7/2/04 11:00	26.08	135.196	-0.81	26.854	7.55	2.9	31.6
7/2/04 11:30	25.8	135.468	-0.86	26.856	7.54	3.5	34.4
7/2/04 12:00	26.37	134.717	-0.85	26.882	7.54	6.5	43.4
7/2/04 12:30	25.92	134.774	-0.78	26.883	7.55	11.3	52.3
7/2/04 13:00	27.2	131.62	-0.78	26.956	7.55	17.6	57.9
7/2/04 13:30	25.83	134.98	-0.76	26.863	7.57	24.8	84.2
7/2/04 14:00	26.95	132.459	-0.71	26.921	7.57	34.6	92
7/2/04 14:30	26.5	134.743	-0.65	26.859	7.58	39.8	119.9
7/2/04 15:00	25.85	126.896	-0.73	26.975	7.58	31.4	178.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/2/04 15:30	26.23	134.256	-0.67	26.831	7.59	53.1	295.1
7/2/04 16:00	27.2	131.886	-0.64	26.866	7.59	55.6	467.3
7/2/04 16:30	26.87	133.739	-0.65	26.799	7.6	60.5	648.6
7/2/04 17:00	26.83	134.582	-0.61	26.765	7.61	57.5	791.9
7/2/04 17:30	27.47	129.24	-0.61	26.833	7.6	65.6	1031.1
7/2/04 18:00	26.96	134.393	-0.57	26.693	7.62	66.9	1545.7
7/2/04 18:30	26.94	133.973	-0.63	26.669	7.62	67.1	2423.2
7/2/04 19:00	27.31	132.622	-0.66	26.648	7.62	68.7	2535
7/2/04 19:30	27.04	132.851	-0.69	26.596	7.62	67.3	2533
7/2/04 20:00	26.69	132.817	-0.79	26.545	7.61	65.4	2530.3
7/2/04 20:30	26.16	134.267	-0.89	26.456	7.63	56.7	2526.1
7/2/04 21:00	26.29	134.65	-0.78	26.398	7.61	52.4	2527.1
7/2/04 21:30	26.52	135.388	-0.77	26.317	7.61	48	2528.9
7/2/04 22:00	25.78	135.515	-0.71	26.237	7.61	40.6	2057.4
7/2/04 22:30	26.94	134.229	-0.71	26.212	7.57	27	2044.4
7/2/04 23:00	26.31	136.074	-0.7	26.107	7.59	23.8	2275.2
7/2/04 23:30	26.74	134.994	-0.83	26.085	7.57	17.4	1969.3
7/3/04 0:00	26.03	136.344	-0.76	26.016	7.57	12.4	1358
7/3/04 0:30	26.56	135.681	-0.8	25.99	7.55	6.2	940.8
7/3/04 1:00	27.01	133.689	-0.82	26.005	7.55	4.4	660.9
7/3/04 1:30	27	133.42	-0.47	25.972	7.56	3	527.5
7/3/04 2:00	25.82	136.695	-0.62	25.89	7.55	3.1	420.3
7/3/04 2:30	26.64	133.303	-1.05	25.981	7.54	3.1	377.7
7/3/04 3:00	25.61	134.081	-1.24	25.958	7.54	2.7	342.2
7/3/04 3:30	26.98	132.548	-1.23	26.031	7.53	3.1	316.1
7/3/04 4:00	25.75	135.613	-1.23	26.008	7.53	2.9	307.4
7/3/04 4:30	26.36	132.655	-1.17	26.119	7.53	3	302.7
7/3/04 5:00	25.86	133.987	-1.17	26.136	7.51	2.8	353.2
7/3/04 5:30	26.1	133.068	-1.2	26.22	7.5	2.8	678.1
7/3/04 6:00	26.57	146.303	-1.14	26.031	7.49	3	1463
7/3/04 6:30	26.48	133.663	-1.25	26.334	7.48	3.1	2167.5
7/3/04 7:00	26.4	133.449	-1.24	26.405	7.47	3.2	2191.7
7/3/04 7:30	25.77	134.69	-1.48	26.447	7.47	2.8	2338.1
7/3/04 8:00	26.36	134.022	-1.18	26.541	7.46	3.1	2527.7
7/3/04 8:30	26.89	131.602	-1.36	26.656	7.46	3.1	2531.6
7/3/04 9:00	27.24	132.496	-1.27	26.693	7.45	3.1	2534.3
7/3/04 9:30	26.49	134.384	-1.38	26.701	7.44	3	2528.6
7/3/04 10:00	26.11	135.994	-1.36	26.721	7.42	2.9	2525.8
7/3/04 10:30	25.92	135.686	-1.38	26.742	7.42	2.9	2524.4
7/3/04 11:00	26.69	134.092	-1.44	26.816	7.42	2.9	2530.1
7/3/04 11:30	26.55	134.144	-1.34	26.834	7.45	3.6	2419.6
7/3/04 12:00	27.32	132.545	-1.08	26.905	7.52	6.1	1251.8
7/3/04 12:30	26.59	135.364	-1.15	26.845	7.52	10.2	567.2
7/3/04 13:00	26.52	135.616	-1.01	26.852	7.53	16.1	244.6
7/3/04 13:30	26.58	132.172	-1	26.924	7.53	22.9	119.8
7/3/04 14:00	26.16	136.321	-0.97	26.834	7.54	30.6	67.7
7/3/04 14:30	26.84	135.153	-0.91	26.871	7.54	37.9	46.9
7/3/04 15:00	27.72	134.164	-0.9	26.875	7.55	46.1	37.7
7/3/04 15:30	26.5	134.003	-1	26.861	7.57	49.8	32.8
7/3/04 16:00	26.98	136.941	-0.93	26.799	7.57	54.3	29
7/3/04 16:30	27.61	133.665	-0.98	26.855	7.58	58	25.7
7/3/04 17:00	27.23	136.159	-0.87	26.783	7.58	61	21.7
7/3/04 17:30	26.47	138.546	-0.99	26.719	7.59	63.3	18
7/3/04 18:00	27.34	134.926	-1.09	26.767	7.59	63.2	14.7
7/3/04 18:30	27.19	135.438	-1	26.729	7.6	64.2	11.9
7/3/04 19:00	26.45	136.423	-1.07	26.662	7.6	58.2	9.5
7/3/04 19:30	27.45	136.277	-1.03	26.632	7.61	62.9	8.6
7/3/04 20:00	26.61	134.537	-0.96	26.636	7.61	56.5	7.1
7/3/04 20:30	27.1	135.38	-0.97	26.572	7.63	52.5	6.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/3/04 21:00	26.6	136.578	-1	26.493	7.61	45.4	5.9
7/3/04 21:30	26.89	137.343	-0.94	26.43	7.61	40.7	5.6
7/3/04 22:00	26.95	135.445	-0.97	26.407	7.59	32.9	5.6
7/3/04 22:30	26.31	136.262	-1	26.323	7.58	23.5	5.4
7/3/04 23:00	26.62	135.473	-0.99	26.279	7.58	22.9	5.3
7/3/04 23:30	27.73	133.185	-1.03	26.273	7.58	17.8	5.4
7/4/04 0:00	26.61	136.474	-1.15	26.152	7.58	13.4	5.4
7/4/04 0:30	27.06	135.047	-1.1	26.131	7.57	8.4	5.3
7/4/04 1:00	27.34	134.758	-1.18	26.105	7.56	4.8	5.3
7/4/04 1:30	27.14	146.866	-1.08	25.838	7.56	3.1	5.3
7/4/04 2:00	26.83	147.73	-1.09	25.791	7.56	2.9	5.3
7/4/04 2:30	26.3	135.991	-1.27	25.987	7.56	3.1	5.3
7/4/04 3:00	26.43	135.586	-1.13	25.988	7.56	2.9	5.3
7/4/04 3:30	26.97	135.033	-1.23	26.007	7.56	3	5.2
7/4/04 4:00	26.42	136.446	-1.24	26	7.56	3	557
7/4/04 4:30	26.55	136.112	-1.23	26.027	7.56	3	5.4
7/4/04 5:00	27.02	134.285	-1.3	26.098	7.56	3.1	5.1
7/4/04 5:30	27.06	134.712	-1.24	26.133	7.56	2.9	5.5
7/4/04 6:00	27.1	134.966	-1.33	26.167	7.56	3	5.6
7/4/04 6:30	27.85	133.347	-1.23	26.274	7.55	2.9	5.5
7/4/04 7:00	27.78	133.568	-1.25	26.313	7.54	3.1	5.3
7/4/04 7:30	27.16	134.275	-1.3	26.362	7.55	3.1	5.4
7/4/04 8:00	27.94	132.603	-1.2	26.461	7.55	2.9	5.6
7/4/04 8:30	27.19	134.82	-1.29	26.486	7.55	3	5.3
7/4/04 9:00	26.36	137.125	-1.26	26.495	7.55	3	74.8
7/4/04 9:30	27.53	133.781	-1.21	26.628	7.56	3	12.8
7/4/04 10:00	27.12	134.672	-1.25	26.655	7.56	3	5.3
7/4/04 10:30	27.6	132.95	-1.19	26.735	7.56	2.9	5.3
7/4/04 11:00	27.93	132.281	-1.15	26.795	7.57	3	5.3
7/4/04 11:30	27.25	133.904	-1.15	26.792	7.56	3.6	5.3
7/4/04 12:00	27.9	132.101	-1.26	26.85	7.56	5.4	5.4
7/4/04 12:30	26.49	135.933	-1.25	26.784	7.57	10.5	5.4
7/4/04 13:00	26.63	135.956	-1.16	26.795	7.57	18.9	5.6
7/4/04 13:30	26.69	134.476	-1.12	26.832	7.58	25.5	5.6
7/4/04 14:00	26.76	136.806	-1.16	26.793	7.58	32.3	5.7
7/4/04 14:30	26.64	135.174	-1.12	26.817	7.58	40.1	5.9
7/4/04 15:00	26.88	137.288	-1.25	26.778	7.58	45.1	6
7/4/04 15:30	27.05	134.832	-1.18	26.816	7.59	39.2	6.2
7/4/04 16:00	26.26	137.759	-1.07	26.744	7.59	57.2	6.3
7/4/04 16:30	26.86	136.178	-1.09	26.773	7.6	87.4	6.7
7/4/04 17:00	26.22	137.766	-1.33	26.715	7.6	64.6	6.7
7/4/04 17:30	27.28	135.571	-1.15	26.754	7.58	21.4	6.9
7/4/04 18:00	27.52	131.588	-1.31	26.825	7.57	13.5	7.2
7/4/04 18:30	26.69	137.924	-1.27	26.674	7.58	22.5	7.5
7/4/04 19:00	27.03	138.151	-1.24	26.639	7.61	64.6	7.7
7/4/04 19:30	27.11	149.728	-1.18	26.401	7.62	60.9	8.4
7/4/04 20:00	27.73	143.147	-1.13	26.513	7.64	57.9	9.6
7/4/04 20:30	26.54	138.435	-1.35	26.56	7.63	52.8	11.8
7/4/04 21:00	27.25	147.795	-1.25	26.35	7.64	47.4	15.5
7/4/04 21:30	27.45	141.036	-1.37	26.448	7.64	41.7	20.1
7/4/04 22:00	27.32	137.608	-1.14	26.463	7.63	35.4	29.2
7/4/04 22:30	27.19	141.626	-1.19	26.337	7.62	29.5	41.9
7/4/04 23:00	27.21	144.569	-1.21	26.232	7.61	26.2	69.7
7/4/04 23:30	27.36	137.419	-1.32	26.333	7.6	17.4	100.9
7/5/04 0:00	27.76	137.006	-1.29	26.281	7.59	13	133.5
7/5/04 0:30	27.1	141.512	-1.33	26.146	7.57	6.3	161.8
7/5/04 1:00	27.02	138.627	-1.36	26.158	7.56	4.4	183.1
7/5/04 1:30	26.25	139.624	-1.49	26.089	7.55	3.2	220.3
7/5/04 2:00	26.8	138.219	-1.51	26.092	7.55	2.9	341.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/5/04 2:30	26.99	137.274	-1.45	26.085	7.54	3.1	509
7/5/04 3:00	27.45	135.764	-1.46	26.103	7.54	3	690.1
7/5/04 3:30	26.95	138.301	-1.51	26.043	7.54	3.1	873.7
7/5/04 4:00	27.47	136.402	-1.49	26.076	7.53	3	1249.6
7/5/04 4:30	26.71	138.297	-1.56	26.045	7.53	3	2026.1
7/5/04 5:00	26.67	138.589	-1.62	26.046	7.52	3	2530.1
7/5/04 5:30	27	140.83	-1.49	26.029	7.52	3	2532.7
7/5/04 6:00	27.01	147.132	-1.48	25.936	7.51	3	2532.7
7/5/04 6:30	27.08	137.809	-1.16	26.153	7.51	2.8	2533.4
7/5/04 7:00	26.8	138.023	-2.1	26.185	7.54	3	2531.1
7/5/04 7:30	26.83	138.101	-1.89	26.24	7.53	2.9	2531.3
7/5/04 8:00	26.63	139.534	-1.64	26.252	7.54	3	2529.8
7/5/04 8:30	26.48	138.847	-1.48	26.315	7.53	3	2453.6
7/5/04 9:00	26.84	138.277	-1.61	26.386	7.53	2.9	2417.4
7/5/04 9:30	26.65	147.061	-1.49	26.257	7.51	3	2472
7/5/04 10:00	26.5	138.726	-1.56	26.477	7.52	3	1688.7
7/5/04 10:30	27.2	136.736	-1.62	26.575	7.51	2.9	1071.1
7/5/04 11:00	26.56	138.043	-1.59	26.599	7.51	3	733.7
7/5/04 11:30	26.57	138.223	-1.59	26.64	7.5	3.4	520.9
7/5/04 12:00	26.71	147.785	-1.45	26.479	7.51	5.8	407.7
7/5/04 12:30	26.82	146.468	-1.36	26.521	7.51	7	338.2
7/5/04 13:00	26.25	138.897	-1.31	26.678	7.54	17.3	304.5
7/5/04 13:30	26.99	141.116	-1.21	26.659	7.55	24.8	283.9
7/5/04 14:00	27.11	140.068	-1.18	26.702	7.55	31.4	284.4
7/5/04 14:30	26.71	142.576	-1.15	26.653	7.56	36.8	326.9
7/5/04 15:00	27	139.156	-1.04	26.718	7.57	44.6	635.4
7/5/04 15:30	26.73	137.737	-1.01	26.728	7.57	52.3	1432.6
7/5/04 16:00	26.79	140.746	-0.95	26.663	7.59	56.4	2136
7/5/04 16:30	26.82	138.881	-0.95	26.692	7.59	57.1	2167.6
7/5/04 17:00	26.89	138.272	-0.94	26.7	7.59	59.9	2526.2
7/5/04 17:30	27.04	134.045	-0.9	26.778	7.59	61.9	2533
7/5/04 18:00	27.11	137.366	-1.14	26.69	7.56	12.8	2533.5
7/5/04 18:30	26.58	138.584	-1.1	26.646	7.6	68.4	2529.5
7/5/04 19:00	26.03	139.235	-1.3	26.618	7.55	14.3	2525.3
7/5/04 19:30	27.21	136.148	-1.18	26.677	7.54	13.9	2534.1
7/5/04 20:00	27.54	135.755	-1.02	26.668	7.59	42.4	2536.8
7/5/04 20:30	26.5	138.755	-1.03	26.586	7.62	48.6	1778.1
7/5/04 21:00	27.44	135.661	-1.02	26.642	7.63	44.7	715
7/5/04 21:30	27.45	136.293	-1.16	26.602	7.6	38.6	304.9
7/5/04 22:00	27.03	138.719	-1.16	26.518	7.6	33	129.2
7/5/04 22:30	26.68	138.626	-1.2	26.49	7.6	26.9	61.2
7/5/04 23:00	26.29	138.579	-1.3	26.452	7.59	22.5	39.7
7/5/04 23:30	27.1	137.108	-1.22	26.457	7.58	16	31
7/6/04 0:00	26.56	138.727	-1.34	26.372	7.57	10.7	28.6
7/6/04 0:30	26.53	138.542	-1.52	26.34	7.54	7.1	24.5
7/6/04 1:00	26.41	137.887	-1.59	26.321	7.52	4.2	20.2
7/6/04 1:30	26.34	138.569	-1.54	26.257	7.51	3.1	16.1
7/6/04 2:00	26.58	138.451	-1.54	26.234	7.51	3.1	13.1
7/6/04 2:30	26.95	139.444	-1.38	26.189	7.54	3	10.6
7/6/04 3:00	26.46	138.467	-1.31	26.185	7.54	3	8.8
7/6/04 3:30	26.41	136.794	-1.34	26.188	7.53	3	541.5
7/6/04 4:00	25.14	141.199	-1.4	26.076	7.53	3	2518.6
7/6/04 4:30	26.08	138.868	-1.36	26.116	7.52	2.9	1235.2
7/6/04 5:00	25.94	140.043	-1.39	26.093	7.51	2.9	6.1
7/6/04 5:30	26.26	138.433	-1.32	26.119	7.5	3	5.7
7/6/04 6:00	26.28	137.905	-1.36	26.132	7.5	3	5.6
7/6/04 6:30	26.32	146.719	-1.3	25.98	7.5	3	5.4
7/6/04 7:00	26.31	146.513	-1.27	26.002	7.5	3	5.4
7/6/04 7:30	26.32	141.196	-1.32	26.138	7.49	3	5.5

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/6/04 8:00	26.78	138.437	-1.26	26.224	7.48	2.9	6.4
7/6/04 8:30	26.88	137.575	-1.31	26.281	7.48	3	5.4
7/6/04 9:00	26.64	137.827	-1.34	26.322	7.47	2.8	5.4
7/6/04 9:30	26.37	138.922	-1.34	26.354	7.46	3	5.3
7/6/04 10:00	26.17	138.297	-1.48	26.409	7.51	3	5.3
7/6/04 10:30	25.48	141.781	-1.31	26.381	7.52	3.1	5.4
7/6/04 11:00	25.99	139.982	-1.26	26.451	7.51	3.1	5.3
7/6/04 11:30	26.01	140.781	-1.29	26.468	7.48	3.3	5.4
7/6/04 12:00	25.98	140.578	-1.29	26.5	7.48	5.7	5.3
7/6/04 12:30	25.14	140.436	-1.47	26.521	7.51	9.6	5.5
7/6/04 13:00	25.43	139.31	-1.13	26.568	7.5	15.5	5.4
7/6/04 13:30	25.46	137.567	-1.17	26.619	7.51	21.9	5.5
7/6/04 14:00	25.26	141.06	-1.15	26.552	7.51	26.7	5.5
7/6/04 14:30	25.37	139.958	-0.98	26.58	7.53	35.2	5.5
7/6/04 15:00	25.22	140.899	-1.02	26.551	7.53	40.2	5.5
7/6/04 15:30	25.48	139.648	-0.92	26.584	7.55	47	5.4
7/6/04 16:00	25.55	141.2	-1	26.553	7.56	49.2	5.4
7/6/04 16:30	25.7	146.291	-0.75	26.443	7.57	52.3	5.4
7/6/04 17:00	25.95	145.428	-0.79	26.458	7.58	54.9	5.4
7/6/04 17:30	26.11	144.026	-0.82	26.464	7.58	55.3	5.4
7/6/04 18:00	26.19	144.166	-0.78	26.449	7.59	55.1	5.4
7/6/04 18:30	25.63	139.482	-0.86	26.518	7.59	55.1	5.4
7/6/04 19:00	26.16	138.575	-0.89	26.527	7.6	53.5	5.5
7/6/04 19:30	26.06	138.888	-0.83	26.509	7.61	51.4	5.5
7/6/04 20:00	26.24	138.009	-0.87	26.536	7.61	48.3	5.6
7/6/04 20:30	25.81	139.872	-0.85	26.475	7.62	45.5	5.6
7/6/04 21:00	26.43	138.507	-0.9	26.488	7.62	22.5	5.7
7/6/04 21:30	26.39	140.867	-0.87	26.442	7.61	37.4	5.7
7/6/04 22:00	26.35	138.934	-0.88	26.458	7.59	29.8	10.4
7/6/04 22:30	26.56	137.794	-0.85	26.463	7.59	25.1	5.9
7/6/04 23:00	25.82	142.359	-0.95	26.363	7.57	12	6.1
7/6/04 23:30	26.42	141.358	-0.9	26.368	7.58	13.3	6.1
7/7/04 0:00	26.55	141.329	-0.93	26.345	7.58	10.6	6.2
7/7/04 0:30	26.73	141.508	-0.99	26.324	7.58	6.9	6.6
7/7/04 1:00	26.66	142.873	-0.98	26.266	7.57	4.2	6.6
7/7/04 1:30	26.58	144.368	-0.98	26.201	7.56	2.9	6.8
7/7/04 2:00	26.15	139.621	-1	26.269	7.56	3	7.2
7/7/04 2:30	26.1	142.833	-0.99	26.189	7.55	2.9	54.6
7/7/04 3:00	25.86	145.548	-1	26.094	7.55	3	2064.6
7/7/04 3:30	26	143.148	-0.96	26.135	7.54	3	164
7/7/04 4:00	25.92	138.028	-0.99	26.224	7.54	2.9	10
7/7/04 4:30	26.37	135.82	-1.03	26.271	7.54	3	12.5
7/7/04 5:00	26.16	137.111	-1.03	26.215	7.53	3	16.9
7/7/04 5:30	25.88	138.363	-1.01	26.18	7.52	3.1	23.7
7/7/04 6:00	25.32	138.913	-1.08	26.157	7.51	3.1	39.3
7/7/04 6:30	25.66	138.314	-1.07	26.174	7.51	3	73.1
7/7/04 7:00	25.79	134.752	-1.1	26.252	7.5	3.1	90.5
7/7/04 7:30	25.64	132.137	-1.1	26.314	7.49	3	112.5
7/7/04 8:00	25.45	133.917	-1.07	26.3	7.5	3.1	148.8
7/7/04 8:30	25.68	132.267	-1.12	26.358	7.5	3	213.4
7/7/04 9:00	24.97	135.173	-1.07	26.34	7.5	3	346.4
7/7/04 9:30	25.99	132.189	-1.11	26.434	7.48	3	534.9
7/7/04 10:00	25.72	132.433	-1.1	26.452	7.47	3	748.8
7/7/04 10:30	24.6	136.063	-1.1	26.412	7.47	2.9	906.8
7/7/04 11:00	25.66	132.636	-1.1	26.533	7.47	2.9	1254.8
7/7/04 11:30	24.53	140.211	-1.08	26.404	7.5	3.3	1829.4
7/7/04 12:00	25.05	138.497	-0.98	26.47	7.51	5	2517.4
7/7/04 12:30	25.1	136.753	-0.95	26.529	7.51	6.4	2517.8
7/7/04 13:00	24.58	139.735	-0.86	26.48	7.51	14.5	2513.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/7/04 13:30	25.16	133.709	-0.84	26.615	7.52	22.9	2518.3
7/7/04 14:00	25.92	131.649	-0.77	26.667	7.52	28.4	2524
7/7/04 14:30	26.01	132.041	-0.7	26.67	7.53	33.2	2524.7
7/7/04 15:00	24.8	134.877	-0.68	26.603	7.55	39	2515.6
7/7/04 15:30	25.92	131.787	-0.66	26.672	7.56	43.6	2472.5
7/7/04 16:00	24.87	135.053	-0.58	26.6	7.57	45.9	2396.9
7/7/04 16:30	24.7	136.118	-0.55	26.579	7.58	51.3	2473.1
7/7/04 17:00	26.18	131.567	-0.53	26.667	7.58	49.6	1842.6
7/7/04 17:30	25.44	133.667	-0.56	26.599	7.59	53.3	1200.4
7/7/04 18:00	25.29	134.27	-0.59	26.581	7.59	54.2	829.8
7/7/04 18:30	25.77	135.804	-0.53	26.542	7.61	52.8	619.4
7/7/04 19:00	25.73	133.045	-0.54	26.595	7.61	53.6	462
7/7/04 19:30	25.99	133.284	-0.6	26.572	7.63	51.3	369.2
7/7/04 20:00	25.99	134.448	-0.66	26.545	7.64	49.7	322.2
7/7/04 20:30	26.24	132.926	-0.76	26.576	7.64	47.2	295.8
7/7/04 21:00	26.27	134.601	-0.99	26.536	7.63	42.5	273.4
7/7/04 21:30	26.27	133.798	-0.98	26.554	7.63	36.6	276.9
7/7/04 22:00	26.31	133.053	-0.91	26.554	7.62	30.4	319.7
7/7/04 22:30	26.8	132.464	-0.96	26.571	7.6	24.7	585.6
7/7/04 23:00	26.35	134.417	-0.95	26.525	7.59	10.6	1234
7/7/04 23:30	26.32	132.21	-0.96	26.565	7.59	14.1	2165.2
7/8/04 0:00	26.73	132.249	-0.99	26.566	7.57	10	2261.1
7/8/04 0:30	26.09	133.768	-1.08	26.527	7.55	6.5	2489.9
7/8/04 1:00	25.26	134.289	-1.18	26.493	7.52	4.3	2519.2
7/8/04 1:30	26.13	134.225	-1.22	26.511	7.51	2.9	2525.7
7/8/04 2:00	25.76	137.869	-1.18	26.425	7.54	2.9	2523
7/8/04 2:30	26.02	136.962	-1.11	26.421	7.55	3	2524.9
7/8/04 3:00	26.51	135.188	-1.09	26.464	7.54	3	2528.6
7/8/04 3:30	25.19	138.782	-1.11	26.371	7.54	2.9	2518.6
7/8/04 4:00	25.91	137.014	-1.1	26.404	7.54	2.9	2524.1
7/8/04 4:30	26.39	134.897	-1.08	26.444	7.54	2.9	932.3
7/8/04 5:00	25.28	137.893	-1.08	26.359	7.54	2.9	324
7/8/04 5:30	25.48	137.034	-1.09	26.385	7.53	3	109.8
7/8/04 6:00	25.7	137.416	-1.06	26.355	7.54	3	65.1
7/8/04 6:30	26.08	136.903	-1.08	26.373	7.53	3	44.6
7/8/04 7:00	26.46	136.122	-1.09	26.38	7.52	3	33.5
7/8/04 7:30	25.93	136.911	-1.13	26.369	7.51	3	28
7/8/04 8:00	25.98	136.616	-1.15	26.365	7.5	2.9	50.5
7/8/04 8:30	25.81	137.048	-1.15	26.362	7.5	2.9	19.8
7/8/04 9:00	26.03	135.174	-1.11	26.416	7.52	3	26.9
7/8/04 9:30	26.08	135.768	-1.07	26.423	7.52	3	12.8
7/8/04 10:00	25.83	133.369	-1.11	26.472	7.51	2.9	10.1
7/8/04 10:30	25.9	132.307	-1.19	26.522	7.49	3	8.7
7/8/04 11:00	24.36	137.447	-1.23	26.435	7.49	3	7.6
7/8/04 11:30	24.22	136.566	-1.32	26.461	7.47	3.2	6.7
7/8/04 12:00	25.26	135.181	-1.22	26.513	7.48	5.4	6.4
7/8/04 12:30	24.33	136.084	-1.18	26.505	7.47	7.1	6
7/8/04 13:00	24.42	135.809	-1.12	26.537	7.47	13.1	5.8
7/8/04 13:30	25.63	132.634	-1.04	26.614	7.48	18.7	5.7
7/8/04 14:00	25.68	133.034	-1	26.611	7.49	24.3	5.7
7/8/04 14:30	24.93	135.764	-0.92	26.549	7.5	32.8	5.7
7/8/04 15:00	25.09	135.618	-0.92	26.542	7.51	38.2	5.6
7/8/04 15:30	25.17	135.778	-0.88	26.524	7.53	42.6	5.6
7/8/04 16:00	24.58	136.653	-0.82	26.511	7.54	45.1	5.5
7/8/04 16:30	24.72	136.17	-0.82	26.509	7.56	48.7	5.6
7/8/04 17:00	25.33	135.33	-0.78	26.508	7.56	51.1	5.6
7/8/04 17:30	25.43	134.696	-0.76	26.51	7.56	53	5.4
7/8/04 18:00	25.53	135.336	-0.71	26.484	7.57	42	5.6
7/8/04 18:30	24.99	136.952	-0.7	26.423	7.58	51.8	5.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/8/04 19:00	24.97	136.344	-0.71	26.426	7.6	51.1	5.5
7/8/04 19:30	25.6	134.594	-0.73	26.464	7.62	49.4	5.4
7/8/04 20:00	25.41	137.809	-0.83	26.375	7.63	50.6	5.4
7/8/04 20:30	26.13	136.204	-0.8	26.416	7.64	45.8	5.5
7/8/04 21:00	26.37	135.699	-0.87	26.431	7.65	38.9	5.4
7/8/04 21:30	26.85	134.08	-0.94	26.448	7.61	35.4	5.4
7/8/04 22:00	26.45	135.937	-1.05	26.425	7.58	14.7	5.4
7/8/04 22:30	27.12	135.123	-1.06	26.454	7.59	26.2	5.4
7/8/04 23:00	26.39	136.561	-1.17	26.423	7.58	17.2	5.3
7/8/04 23:30	26.54	136.08	-1.18	26.44	7.57	10.1	5.4
7/9/04 0:00	26.92	133.772	-1.21	26.487	7.57	12.1	5.4
7/9/04 0:30	26.32	135.305	-1.2	26.464	7.56	6.9	5.5
7/9/04 1:00	26.45	133.454	-1.23	26.504	7.55	4.5	5.4
7/9/04 1:30	26.26	135.318	-1.26	26.485	7.55	3.1	5.4
7/9/04 2:00	26.75	134.515	-1.25	26.505	7.54	3	5.4
7/9/04 2:30	26.36	135.303	-1.24	26.494	7.54	3	6.4
7/9/04 3:00	26.44	133.991	-1.24	26.506	7.55	3	6.2
7/9/04 3:30	26.5	135.344	-1.23	26.492	7.55	2.9	445.9
7/9/04 4:00	26.37	134.113	-1.25	26.521	7.55	2.9	733.7
7/9/04 4:30	25.78	135.346	-1.31	26.484	7.51	3.1	50.5
7/9/04 5:00	26.23	133.045	-1.27	26.521	7.52	3	5.7
7/9/04 5:30	25.76	134.471	-1.26	26.496	7.51	3	5.7
7/9/04 6:00	26.08	134.31	-1.24	26.497	7.51	3.1	5.6
7/9/04 6:30	25.81	133.326	-1.27	26.506	7.5	3	5.7
7/9/04 7:00	25.4	134.857	-1.29	26.473	7.49	3	5.8
7/9/04 7:30	26.7	131.888	-1.27	26.542	7.48	2.9	5.9
7/9/04 8:00	25.31	136.085	-1.3	26.447	7.47	2.9	6
7/9/04 8:30	25.7	134.965	-1.29	26.46	7.48	2.9	6.2
7/9/04 9:00	26.38	132.937	-1.31	26.513	7.48	2.9	6.4
7/9/04 9:30	26.56	132.964	-1.36	26.526	7.46	3	6.4
7/9/04 10:00	26.31	133.144	-1.33	26.523	7.5	3.1	6.6
7/9/04 10:30	26.17	134.03	0.08	26.518	7.51	3	6.8
7/9/04 11:00	25.14	135.244	-1.91	26.493	7.49	2.9	7
7/9/04 11:30	25.54	134.234	-1.99	26.517	7.49	3.4	7.3
7/9/04 12:00	25.94	132.606	-1.88	26.567	7.48	4.8	7.6
7/9/04 12:30	24.64	135.635	-1.69	26.506	7.48	11.2	8.2
7/9/04 13:00	25.23	134.474	-1.73	26.535	7.48	9.1	9.5
7/9/04 13:30	25.66	133.127	-1.55	26.569	7.48	24.9	11.9
7/9/04 14:00	25.17	134.21	-1.24	26.558	7.51	33	14.6
7/9/04 14:30	25.56	134.483	-1.26	26.552	7.53	41.2	18.2
7/9/04 15:00	25.23	134.4	-1.18	26.552	7.53	45.4	22.8
7/9/04 15:30	25.43	133.511	-1.24	26.545	7.51	21.8	29.9
7/9/04 16:00	24.65	135.919	-1.08	26.509	7.54	61.2	42.7
7/9/04 16:30	25.95	133.315	-1.07	26.535	7.56	66.2	55.5
7/9/04 17:00	24.77	135.645	-1.02	26.452	7.56	45.6	88.2
7/9/04 17:30	26.13	132.812	-1.21	26.498	7.52	7.2	131.7
7/9/04 18:00	24.98	135.255	-1.21	26.429	7.5	9.8	289.3
7/9/04 18:30	25.5	135.059	-1.2	26.412	7.5	11.4	501.1
7/9/04 19:00	26.03	132.132	-1.22	26.458	7.5	5.4	837.6
7/9/04 19:30	26.12	132.378	-1.35	26.427	7.48	4.4	1175.9
7/9/04 20:00	25.11	134.605	-1.22	26.367	7.48	7.9	1927.3
7/9/04 20:30	25.48	134.418	-1.09	26.366	7.5	18.3	2520.8
7/9/04 21:00	25.83	132.76	-1.06	26.386	7.5	14.3	2523.4
7/9/04 21:30	25.85	134.369	-1.09	26.351	7.48	8.4	2523.5
7/9/04 22:00	24.97	135.463	-1.06	26.322	7.49	8.9	2516.9
7/9/04 22:30	25.57	135.398	-1.03	26.349	7.49	6.3	2521.5
7/9/04 23:00	26.08	133.782	-1.01	26.397	7.49	7.1	2525.3
7/9/04 23:30	25.63	134.681	-0.97	26.383	7.5	10.3	2418
7/10/04 0:00	25.65	134.331	-0.95	26.396	7.5	7.1	2487.7

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/10/04 0:30	25.04	136.932	-0.94	26.367	7.5	6.1	2303.4
7/10/04 1:00	25.83	135.75	-0.93	26.426	7.5	4.2	1459.9
7/10/04 1:30	26.08	134.655	-0.93	26.471	7.5	3	981.7
7/10/04 2:00	26.21	133.063	-0.96	26.515	7.5	3	669.9
7/10/04 2:30	25.62	133.931	-1	26.509	7.49	3.1	478.8
7/10/04 3:00	24.86	135.39	-0.99	26.49	7.49	2.9	370.7
7/10/04 3:30	25.15	134.98	-1.03	26.51	7.47	3	321
7/10/04 4:00	25.21	134.857	-1.05	26.528	7.47	3.1	290.1
7/10/04 4:30	25.81	133.247	-1	26.574	7.49	3	276.9
7/10/04 5:00	24.42	135.774	-1.01	26.528	7.49	3.1	300.4
7/10/04 5:30	24.56	135.592	-1.01	26.532	7.49	3	563.7
7/10/04 6:00	24.4	135.422	-1.01	26.527	7.48	2.8	1229
7/10/04 6:30	25.2	133.824	-1	26.595	7.48	3.1	2118.9
7/10/04 7:00	24.78	133.866	-1.02	26.568	7.48	3	2305.1
7/10/04 7:30	24.59	134.709	-1.06	26.566	7.47	3.1	2448.4
7/10/04 8:00	24.55	134.183	-1.04	26.568	7.48	3	2513.6
7/10/04 8:30	25.31	132.186	-1.03	26.61	7.47	3.4	2519.2
7/10/04 9:00	23.95	135.169	-1.1	26.532	7.47	3	2509
7/10/04 9:30	24.97	134.169	-1.05	26.561	7.47	3.3	2516.6
7/10/04 10:00	25	133.307	-1.06	26.57	7.46	3.2	2516.9
7/10/04 10:30	25.31	131.023	-1.06	26.624	7.46	3.1	2100.9
7/10/04 11:00	25.08	133.19	-1.05	26.581	7.46	2.9	700
7/10/04 11:30	24.25	135.689	-1.11	26.514	7.45	3.3	162.9
7/10/04 12:00	24.28	135.806	-1.11	26.517	7.44	5.3	56.1
7/10/04 12:30	25.26	139.088	-1.05	26.468	7.44	9.3	33
7/10/04 13:00	25.63	129.144	-1.05	26.664	7.44	14.7	28.5
7/10/04 13:30	24.78	130.987	-1.01	26.635	7.45	21.7	24.5
7/10/04 14:00	25.56	131.689	-0.97	26.606	7.46	28.4	17.8
7/10/04 14:30	24.53	134.443	-0.92	26.528	7.47	35.7	13
7/10/04 15:00	25.24	134.188	-0.9	26.521	7.47	38.7	9.4
7/10/04 15:30	25.21	134.265	-0.87	26.501	7.48	47.7	7.5
7/10/04 16:00	24.63	135.373	-0.79	26.463	7.5	52.9	6.4
7/10/04 16:30	24.8	134.7	-0.78	26.463	7.51	57.3	6.1
7/10/04 17:00	25.45	133.645	-0.74	26.443	7.52	58.1	5.7
7/10/04 17:30	24.8	135.815	-0.68	26.375	7.53	54.1	5.6
7/10/04 18:00	25.01	134.779	-0.71	26.365	7.54	36.3	5.6
7/10/04 18:30	25.18	136.05	-0.7	26.316	7.54	43.7	5.7
7/10/04 19:00	25.27	135.191	-0.69	26.307	7.56	52.4	5.6
7/10/04 19:30	25.35	134.886	-0.66	26.305	7.56	37.4	6
7/10/04 20:00	25.08	135.128	-0.68	26.284	7.56	32.8	5.4
7/10/04 20:30	26.32	132.628	-0.68	26.314	7.56	25.9	5.5
7/10/04 21:00	25.49	135.699	-0.75	26.25	7.54	21.5	5.6
7/10/04 21:30	26.27	136.408	-0.75	26.242	7.54	19.8	5.5
7/10/04 22:00	25.66	142.165	-0.76	26.114	7.54	15.4	5.5
7/10/04 22:30	25.61	133.987	-0.88	26.281	7.53	12.2	5.6
7/10/04 23:00	25.64	135.68	-0.86	26.247	7.53	10.1	5.6
7/10/04 23:30	25.53	135.061	-0.94	26.276	7.52	6.8	5.5
7/11/04 0:00	25.06	136.344	-0.97	26.272	7.52	5.7	5.5
7/11/04 0:30	25.54	135.391	-0.97	26.313	7.52	4.5	5.5
7/11/04 1:00	25.86	133.163	-1.02	26.39	7.51	3.9	5.6
7/11/04 1:30	25.03	136.459	-1.09	26.348	7.5	3.1	5.5
7/11/04 2:00	25.31	135.265	-1.09	26.4	7.51	3	219
7/11/04 2:30	25.65	134.282	-1.12	26.456	7.51	3.1	5.9
7/11/04 3:00	25.23	134.999	-1.12	26.477	7.51	2.9	6
7/11/04 3:30	25.29	134.721	-1.11	26.506	7.51	3	6
7/11/04 4:00	24.83	135.839	-1.15	26.52	7.5	3.1	880.1
7/11/04 4:30	25.36	134.558	-1.15	26.56	7.5	3	6.8
7/11/04 5:00	25.06	134.387	-1.14	26.586	7.49	3	5.6
7/11/04 5:30	25.03	134.87	-1.16	26.603	7.49	3.1	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/11/04 6:00	25.3	134.262	-1.14	26.635	7.49	3	5.7
7/11/04 6:30	25.28	134.754	-1.15	26.614	7.48	3.1	5.8
7/11/04 7:00	25.63	132.918	-1.13	26.686	7.48	3.1	6.2
7/11/04 7:30	25.82	132.699	-1.07	26.691	7.5	3.2	6.3
7/11/04 8:00	24.49	136.08	-1.07	26.628	7.51	2.9	6.4
7/11/04 8:30	25.13	134.779	-1.08	26.663	7.51	3	6.8
7/11/04 9:00	25.76	133.321	-1.09	26.685	7.5	3.1	7.1
7/11/04 9:30	25.29	133.968	-1.14	26.668	7.49	3	7.6
7/11/04 10:00	25.14	134.953	-1.13	26.622	7.5	3	8.7
7/11/04 10:30	24.59	135.685	-1.11	26.623	7.51	3	9
7/11/04 11:00	26.04	132.595	-1.14	26.702	7.49	3	9.6
7/11/04 11:30	25.42	133.493	-1.16	26.654	7.5	3.4	10.9
7/11/04 12:00	24.78	135.167	-1.16	26.621	7.49	4.4	13.6
7/11/04 12:30	25.62	133.881	-1.13	26.666	7.5	6.8	17.4
7/11/04 13:00	26.07	132.077	-1.13	26.684	7.49	8.1	24.9
7/11/04 13:30	25.23	134.851	-1.1	26.611	7.5	11.3	37.5
7/11/04 14:00	26.14	132.79	-1.08	26.659	7.49	13.6	57.8
7/11/04 14:30	25.4	134.375	-1.08	26.616	7.5	17.9	89.7
7/11/04 15:00	25.01	135.604	-1.04	26.567	7.5	25.1	198
7/11/04 15:30	25.3	135.173	-0.98	26.549	7.5	31.3	452.2
7/11/04 16:00	25.96	133.255	-0.97	26.578	7.52	33.3	715.5
7/11/04 16:30	25.09	135.17	-0.72	26.52	7.53	38.6	1117.1
7/11/04 17:00	25.32	134.313	-0.64	26.51	7.54	55.1	1832.3
7/11/04 17:30	25.16	135.142	-0.66	26.465	7.53	52.2	2518.3
7/11/04 18:00	25.09	135.161	-0.63	26.425	7.55	47.1	2517.8
7/11/04 18:30	25.67	134.171	-0.67	26.42	7.57	45.8	2522.2
7/11/04 19:00	25.85	134.33	-0.71	26.396	7.56	31.9	2523.6
7/11/04 19:30	25.68	135.817	-0.68	26.333	7.57	31.9	2522.3
7/11/04 20:00	26.21	133.279	-0.74	26.353	7.57	31.5	2511.2
7/11/04 20:30	25.46	134.561	-0.69	26.3	7.61	39	2447.2
7/11/04 21:00	25.1	135.978	-0.71	26.25	7.62	36	2470.9
7/11/04 21:30	24.99	136.366	-0.75	26.213	7.61	29.9	1639.5
7/11/04 22:00	25.91	132.764	-0.76	26.282	7.6	28.5	1024.5
7/11/04 22:30	25.59	134.612	-0.78	26.224	7.59	22.6	706
7/11/04 23:00	25.63	134.225	-0.92	26.235	7.57	7.4	504.4
7/11/04 23:30	25.77	134.763	-0.89	26.238	7.57	12.2	388.4
7/12/04 0:00	26.35	134.849	-0.94	26.257	7.56	7.5	334.7
7/12/04 0:30	25.8	134.334	-1.04	26.271	7.55	6.1	304
7/12/04 1:00	26.33	133.366	-1.06	26.311	7.55	3.9	280.3
7/12/04 1:30	25.77	134.053	-1.1	26.298	7.54	3	271
7/12/04 2:00	26.28	135.48	-1.12	26.323	7.54	3.1	446
7/12/04 2:30	25.27	134.552	-1.16	26.377	7.54	3	924.8
7/12/04 3:00	25.16	134.46	-1.16	26.416	7.54	2.9	1875.4
7/12/04 3:30	25.05	130.997	-1.2	26.503	7.54	3.3	2200.5
7/12/04 4:00	24.92	134.785	-1.2	26.486	7.54	3	2334.9
7/12/04 4:30	25.14	134.956	-1.17	26.523	7.53	3.1	2518
7/12/04 5:00	25.57	132.669	-1.19	26.594	7.52	3	2521.3
7/12/04 5:30	24.75	134.921	-1.22	26.574	7.52	3	2515.1
7/12/04 6:00	24.97	135.161	-1.21	26.572	7.51	3.1	2516.8
7/12/04 6:30	24.84	135.295	-1.22	26.581	7.5	3	2515.8
7/12/04 7:00	25.44	133.397	-1.21	26.648	7.5	3.1	2520.3
7/12/04 7:30	25.5	132.981	-1.26	26.667	7.5	3.1	2118.2
7/12/04 8:00	24.46	135.96	-1.3	26.59	7.49	3	835.4
7/12/04 8:30	25.05	135.243	-1.29	26.605	7.48	2.8	318.7
7/12/04 9:00	25.45	133.44	-1.33	26.671	7.48	2.9	84.5
7/12/04 9:30	25.52	134.082	-1.34	26.654	7.47	3	41.3
7/12/04 10:00	24.85	134.54	-1.38	26.633	7.46	3	31.8
7/12/04 10:30	25.1	134.346	-1.36	26.612	7.46	2.9	28.1
7/12/04 11:00	25.77	132.595	-1.39	26.676	7.45	3	23.9

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/12/04 11:30	25.26	133.879	-1.42	26.625	7.45	3.3	17.2
7/12/04 12:00	25.22	134.784	-1.37	26.609	7.45	5.3	11.8
7/12/04 12:30	25.97	132.776	-1.35	26.651	7.44	9.2	8.7
7/12/04 13:00	25.64	133.59	-1.32	26.615	7.44	13.8	7.2
7/12/04 13:30	24.83	135.764	-1.29	26.566	7.45	20.2	6.3
7/12/04 14:00	24.7	135.575	-1.26	26.56	7.45	25.3	5.9
7/12/04 14:30	25.22	134.542	-1.21	26.568	7.47	29.6	5.8
7/12/04 15:00	25.39	134.598	-1.15	26.548	7.48	36.6	5.7
7/12/04 15:30	24.85	136.504	-1.1	26.463	7.5	40.9	5.6
7/12/04 16:00	25.4	135.233	-1.02	26.494	7.51	43	5.6
7/12/04 16:30	25.58	134.99	-1.08	26.47	7.5	47.9	5.6
7/12/04 17:00	26.28	130.217	-0.99	26.564	7.53	49.9	5.7
7/12/04 17:30	26.04	133.706	-0.97	26.439	7.53	53	5.5
7/12/04 18:00	25.15	136.445	-1.02	26.345	7.56	54.3	5.4
7/12/04 18:30	25.97	135.599	-0.94	26.348	7.57	51.8	5.6
7/12/04 19:00	25.5	135.256	-1.29	26.295	7.55	14.8	5.8
7/12/04 19:30	25.22	136.027	-1.09	26.238	7.59	49.2	5.5
7/12/04 20:00	26.24	134.307	-1.06	26.276	7.61	46.9	5.5
7/12/04 20:30	25.94	135.756	-1.16	26.198	7.59	34.4	5.6
7/12/04 21:00	26.76	133.643	-1.05	26.228	7.64	36.2	5.6
7/12/04 21:30	25.58	135.396	-1.04	26.16	7.64	32.7	5.5
7/12/04 22:00	26.41	135.407	-1.03	26.159	7.63	28.5	5.5
7/12/04 22:30	25.99	136.118	-1.08	26.121	7.62	21.7	5.8
7/12/04 23:00	26.63	132.497	-1.15	26.185	7.6	17.8	5.6
7/12/04 23:30	25.62	135.198	-1.19	26.123	7.6	12.8	5.6
7/13/04 0:00	26.12	136.218	-1.2	26.124	7.61	9.6	5.6
7/13/04 0:30	26.63	132.75	-1.27	26.201	7.6	6.5	5.5
7/13/04 1:00	26.25	134.536	-1.37	26.207	7.59	3.8	5.5
7/13/04 1:30	26.6	134.477	-1.38	26.232	7.59	3	6.7
7/13/04 2:00	26.32	134.996	-1.42	26.245	7.57	2.9	5.6
7/13/04 2:30	26.27	135.271	-1.45	26.297	7.58	2.9	5.6
7/13/04 3:00	26.33	135.149	-1.49	26.331	7.57	2.9	5.7
7/13/04 3:30	26.38	134.509	-1.59	26.391	7.57	2.9	5.7
7/13/04 4:00	26.37	133.989	-1.59	26.451	7.56	2.9	5.8
7/13/04 4:30	26.36	134.687	-1.73	26.477	7.55	3	6.1
7/13/04 5:00	26.39	134.764	-1.48	26.525	7.55	3.1	43.3
7/13/04 5:30	25.84	135.986	-1.44	26.531	7.54	3	6.7
7/13/04 6:00	26.72	132.793	-1.42	26.656	7.54	3	6.2
7/13/04 6:30	26.45	135.803	-1.35	26.575	7.56	3.1	6.3
7/13/04 7:00	26.4	134.67	-1.41	26.656	7.55	3	6.5
7/13/04 7:30	26.43	135.362	-1.36	26.644	7.56	3	6.7
7/13/04 8:00	26.45	135.435	-1.42	26.668	7.55	2.9	7
7/13/04 8:30	26.72	134.744	-1.38	26.702	7.55	3	7.2
7/13/04 9:00	26.96	134.389	-1.38	26.722	7.54	2.9	7.6
7/13/04 9:30	25.74	135.615	-1.45	26.692	7.53	3	8.2
7/13/04 10:00	26.07	133.817	-1.45	26.722	7.52	3.1	9
7/13/04 10:30	25.41	137.279	-1.43	26.654	7.51	3	11.1
7/13/04 11:00	25.89	134.373	-1.42	26.688	7.5	3	13.4
7/13/04 11:30	25.39	137.412	-1.43	26.646	7.5	3.2	17.2
7/13/04 12:00	25.28	135.778	-1.43	26.669	7.5	5.2	21.8
7/13/04 12:30	26.05	134.24	-1.38	26.688	7.49	9.8	30
7/13/04 13:00	25.84	137.155	-1.38	26.632	7.49	8.7	44.7
7/13/04 13:30	26.09	136.378	-1.32	26.638	7.5	19.4	61.2
7/13/04 14:00	26.33	137.981	-1.27	26.601	7.5	25.3	92.6
7/13/04 14:30	25.87	142.425	-1.22	26.496	7.52	31.9	181
7/13/04 15:00	26.2	138.651	-1.24	26.562	7.53	40.3	373.1
7/13/04 15:30	26.23	138.145	-1.21	26.542	7.52	39.7	652.8
7/13/04 16:00	26.25	139.899	-1.18	26.503	7.53	46.6	914.5
7/13/04 16:30	26.23	139.789	-1.21	26.463	7.56	26.2	1588.3

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/13/04 17:00	26.84	136.686	-1.11	26.503	7.58	48.9	2531.3
7/13/04 17:30	26.26	137.552	-1.17	26.47	7.6	48.6	2527
7/13/04 18:00	26.7	137.479	-1.17	26.422	7.61	51.2	2530.3
7/13/04 18:30	26.55	137.311	-1.11	26.4	7.61	49.2	2529.1
7/13/04 19:00	26.73	136.691	-1.19	26.372	7.62	47.4	2530.5
7/13/04 19:30	26.55	138.145	-1.29	26.318	7.62	44.7	2529.1
7/13/04 20:00	26.9	134.28	-1.27	26.349	7.63	41.7	2438
7/13/04 20:30	26.42	137.085	-1.38	26.246	7.63	38.4	2479.7
7/13/04 21:00	26.27	137.311	-1.38	26.213	7.65	34.3	2291.6
7/13/04 21:30	26.47	137.764	-1.37	26.151	7.64	30	1459.4
7/13/04 22:00	26.55	136.593	-1.38	26.155	7.63	25.1	934.7
7/13/04 22:30	26.29	137.435	-1.47	26.122	7.62	18.3	670.2
7/13/04 23:00	26	138.644	-1.61	26.066	7.62	18.1	493.6
7/13/04 23:30	26.45	137.387	-1.52	26.092	7.62	13.5	392.7
7/14/04 0:00	26.57	137.558	-1.48	26.091	7.59	8.9	327.4
7/14/04 0:30	26.6	136.98	-1.51	26.104	7.59	6.3	295.5
7/14/04 1:00	27.2	136.642	-1.55	26.119	7.58	3.7	283
7/14/04 1:30	26.58	137.699	-1.59	26.116	7.58	2.8	270.3
7/14/04 2:00	26.74	138.123	-1.58	26.138	7.58	3	402.8
7/14/04 2:30	26.55	138.924	-1.67	26.143	7.56	3.1	767.3
7/14/04 3:00	26.54	138.99	-1.67	26.181	7.57	3	1556.7
7/14/04 3:30	26.97	136.381	-1.68	26.266	7.56	3	2154
7/14/04 4:00	26.6	136.76	-1.7	26.313	7.55	3.1	2234.7
7/14/04 4:30	26.56	137.13	-1.69	26.339	7.53	3.1	2383.9
7/14/04 5:00	26.68	138.219	-1.71	26.369	7.54	3	2530.1
7/14/04 5:30	27.03	137.525	-1.69	26.423	7.54	3.1	2532.7
7/14/04 6:00	26.69	136.563	-1.72	26.482	7.53	2.8	2530.2
7/14/04 6:30	26.78	138.264	-1.84	26.486	7.53	2.9	2530.9
7/14/04 7:00	26.55	138.584	-1.83	26.51	7.51	3	2529.1
7/14/04 7:30	26.88	138.194	-1.83	26.547	7.49	3	2531.6
7/14/04 8:00	26.73	137.752	-1.87	26.575	7.51	2.9	2530.5
7/14/04 8:30	26.13	139.001	-1.7	26.552	7.56	3.2	2525.9
7/14/04 9:00	25.78	138.403	-1.72	26.586	7.55	3.2	1853.5
7/14/04 9:30	25.39	139.088	-1.69	26.58	7.54	3.1	813.3
7/14/04 10:00	26.37	136.664	-1.68	26.638	7.52	2.9	331.3
7/14/04 10:30	25.78	138.282	-1.76	26.604	7.51	3.1	130.6
7/14/04 11:00	25.86	138.089	-1.7	26.623	7.51	2.9	54.3
7/14/04 11:30	26.2	137.107	-1.75	26.638	7.5	3.2	39.4
7/14/04 12:00	25.75	138.711	-1.74	26.585	7.5	4.9	33
7/14/04 12:30	26	138.716	-1.67	26.591	7.5	8.2	30.6
7/14/04 13:00	25.96	138.506	-1.62	26.59	7.51	12.7	27.4
7/14/04 13:30	26.39	136.964	-1.6	26.611	7.5	17.5	24.9
7/14/04 14:00	26.12	138.117	-1.6	26.574	7.5	23.4	19.2
7/14/04 14:30	25.52	139.264	-1.5	26.54	7.51	28.5	14.8
7/14/04 15:00	26.79	136.404	-1.39	26.587	7.51	20	11.5
7/14/04 15:30	26.35	137.255	-1.29	26.55	7.53	18.7	9.3
7/14/04 16:00	26.12	138.671	-1.12	26.493	7.54	42	7.8
7/14/04 16:30	26.22	139.405	-1.18	26.454	7.54	22.8	7.1
7/14/04 17:00	26.53	137.542	-1.23	26.505	7.54	25.6	6.4
7/14/04 17:30	26.32	138.387	-0.89	26.438	7.58	45.3	5.9
7/14/04 18:00	26.79	136.993	-0.91	26.426	7.59	45.8	5.7
7/14/04 18:30	26.66	136.957	-0.88	26.383	7.61	44.6	5.7
7/14/04 19:00	26.61	137.17	-0.92	26.355	7.63	46.7	5.6
7/14/04 19:30	26.54	139.837	-1.42	26.259	7.56	9.9	5.6
7/14/04 20:00	26.37	138.059	-1.2	26.267	7.6	26.4	5.6
7/14/04 20:30	26.08	142.302	-1.52	26.132	7.56	9.3	5.5
7/14/04 21:00	26.73	160.476	-1.29	25.738	7.55	12.9	5.6
7/14/04 21:30	26.88	134.558	-1.32	26.205	7.59	18.5	5.4
7/14/04 22:00	26.59	139.404	-1.27	26.078	7.59	21.1	5.4

Appendix 5
Water Quality Data

West Flower Garden Bank							
March 11, 2004 - July 15, 2004							
Date Time M/D/Y	Temp C	SpCond mS/cm	DO Conc mg/L	Depth m	pH	PAR1	Turbidity NTU
7/14/04 22:30	26.64	137.606	-1.35	26.088	7.58	16.4	5.4
7/14/04 23:00	26.72	161.203	-1.27	25.612	7.56	10.8	5.4
7/14/04 23:30	26.73	159.68	-1.29	25.627	7.57	10.6	5.7
7/15/04 0:00	26.69	142.608	-1.52	25.942	7.56	8.2	5.5
7/15/04 0:30	26.75	136.465	-1.68	26.061	7.55	5.5	5.6
7/15/04 1:00	26.87	158.604	-1.57	25.643	7.54	3.7	5.5
7/15/04 1:30	26.78	145.036	-1.75	25.921	7.54	3	5.6
7/15/04 2:00	26.62	141.994	-1.89	26.01	7.53	3	5.6
7/15/04 2:30	26.43	156.532	-1.82	25.749	7.5	3.1	5.4
7/15/04 3:00	26.51	159.684	-1.86	25.71	7.5	3	5.4
7/15/04 3:30	26.42	139.281	-2.18	26.162	7.5	3	5.6
7/15/04 4:00	26.61	135.599	-2.22	26.275	7.48	3	5.4
7/15/04 4:30	26.49	142.012	-2.15	26.212	7.48	3	5.4
7/15/04 5:00	26.67	143.847	-2.12	26.221	7.47	2.9	19.7
7/15/04 5:30	26.73	136.148	-2.21	26.417	7.48	3	5.4
7/15/04 6:00	26.67	146.445	-2.09	26.262	7.48	2.9	5.9
7/15/04 6:30	26.51	140.896	-2.16	26.416	7.47	3	5.6
7/15/04 7:00	26.86	137.476	-2.19	26.517	7.45	2.9	5.5
7/15/04 7:30	26.54	140.507	-2.16	26.495	7.45	3	5.6
7/15/04 8:00	27.13	145.739	-2.08	26.432	7.46	2.9	5.6
7/15/04 8:30	26.58	142.785	-2.13	26.503	7.47	3	5.6
7/15/04 9:00	26.48	140.138	-2.17	26.587	7.46	3	5.7
7/15/04 9:30	26.49	143.137	-2.13	26.538	7.44	2.9	5.7
7/15/04 10:00	26.49	137.487	-2.2	26.652	7.44	3.1	5.7
7/15/04 10:30	26.61	135.094	-2.23	26.722	7.43	3	5.9
7/15/04 11:00	26.38	147.91	-2.08	26.477	7.4	3	6.4
7/15/04 11:30	25.7	141.687	-2.17	26.591	7.45	3.1	6.1
7/15/04 12:00	25.73	145.408	-2.13	26.525	7.45	3.7	6.1
7/15/04 12:30	26.16	145.742	-2.11	26.515	7.44	4	6.3
7/15/04 13:00	26.33	144.008	-2.13	26.552	7.43	4.3	6.4
7/15/04 13:30	26.24	143.559	-2.14	26.534	7.42	3.7	56.7
7/15/04 14:00	26.33	138.199	-2.2	26.641	7.41	4.3	6.7
7/15/04 14:30	26.17	139.911	-2.18	26.594	7.41	3.5	6.8
7/15/04 15:00	26.3	140.517	-2.17	26.555	7.41	5.3	7
7/15/04 15:30	26.3	140.821	-2.17	26.54	7.41	5.6	7.3
7/15/04 16:00	25.96	141.633	-2.17	26.493	7.39	5.7	7.8
7/15/04 16:30	26.45	141.837	-2.15	26.466	7.39	8.2	7.9
7/15/04 17:00	26.31	137.857	-1.96	26.526	7.42	25.3	8.4
7/15/04 17:30	25.96	141.07	-1.73	26.433	7.43	42	9.4
7/15/04 18:00	27.68	147.431	-2.05	8.913	7.58	44.8	10.9
7/15/04 18:30	18.04	40.454	-4.05	0.326	11.46	-173.9	46.5

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/11/04 07:52:21.0	22.35
03/11/04 08:22:21.0	19.77
03/11/04 08:52:21.0	20.96
03/11/04 09:22:21.0	20.32
03/11/04 09:52:21.0	20.27
03/11/04 10:22:21.0	20.37
03/11/04 10:52:21.0	24.17
03/11/04 11:22:21.0	26.57
03/11/04 11:52:21.0	25.38
03/11/04 12:22:21.0	21.29
03/11/04 12:52:21.0	21.29
03/11/04 13:22:21.0	21.34
03/11/04 13:52:21.0	21.34
03/11/04 14:22:21.0	21.34
03/11/04 14:52:21.0	21.32
03/11/04 15:22:21.0	21.27
03/11/04 15:52:21.0	21.27
03/11/04 16:22:21.0	21.25
03/11/04 16:52:21.0	21.20
03/11/04 17:22:21.0	21.18
03/11/04 17:52:21.0	21.15
03/11/04 18:22:21.0	21.15
03/11/04 18:52:21.0	21.15
03/11/04 19:22:21.0	21.13
03/11/04 19:52:21.0	21.15
03/11/04 20:22:21.0	21.15
03/11/04 20:52:21.0	21.15
03/11/04 21:22:21.0	21.15
03/11/04 21:52:21.0	21.20
03/11/04 22:22:21.0	21.20
03/11/04 22:52:21.0	21.20
03/11/04 23:22:21.0	21.18
03/11/04 23:52:21.0	21.15
03/12/04 00:22:21.0	21.13
03/12/04 00:52:21.0	21.13
03/12/04 01:22:21.0	21.10
03/12/04 01:52:21.0	21.08
03/12/04 02:22:21.0	21.03
03/12/04 02:52:21.0	21.01
03/12/04 03:22:21.0	21.01
03/12/04 03:52:21.0	21.06
03/12/04 04:22:21.0	21.08
03/12/04 04:52:21.0	21.06
03/12/04 05:22:21.0	21.03
03/12/04 05:52:21.0	21.01
03/12/04 06:22:21.0	20.98
03/12/04 06:52:21.0	20.94
03/12/04 07:22:21.0	20.96
03/12/04 07:52:21.0	20.98
03/12/04 08:22:21.0	21.01
03/12/04 08:52:21.0	21.03
03/12/04 09:22:21.0	21.01
03/12/04 09:52:21.0	21.01
03/12/04 10:22:21.0	20.98
03/12/04 10:52:21.0	20.94
03/12/04 11:22:21.0	20.96
03/12/04 11:52:21.0	20.96
03/12/04 12:22:21.0	20.96
03/12/04 12:52:21.0	20.98

Series	Temperature (*C)	
Logger Info	Information specific to the logger	
Model	HOBO Water Temp Pro [H20-001]	
Serial Number	595390	
Memory Size (Bytes)	32768	
Deployment	7	
Series Info	Information about the data in the series	
Points Used	6058	
First Point	03/11/04 07:52:21.0	
Last Point	07/15/04 13:22:21.0	
Duration	126 Days 04:30:00.0	
Stats	Calculated from the series	
Wrap Count	0	
Max Value	31.89	
Min Value	19.77	
Avg Value	23.77	
Launch Parameters		
Load Time	03/11/2004 13:52:20 GMT	03/11/2004 07:52:20 Local
Launch Time	03/11/2004 13:52:21 GMT	03/11/2004 07:52:21 Local
Logging Time	03/11/2004 13:52:21 GMT	03/11/2004 07:52:21 Local
Sampling Interval	1800	
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)	
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)	
End of Data	0x250D_00	
Wrap Count	0	
Description String	WFGB	
Time Zone	GMT-360 Minutes TZ set on Launch	

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/12/04 13:22:21.0	20.98
03/12/04 13:52:21.0	20.98
03/12/04 14:22:21.0	20.98
03/12/04 14:52:21.0	20.96
03/12/04 15:22:21.0	20.96
03/12/04 15:52:21.0	20.96
03/12/04 16:22:21.0	20.89
03/12/04 16:52:21.0	20.77
03/12/04 17:22:21.0	20.72
03/12/04 17:52:21.0	20.65
03/12/04 18:22:21.0	20.67
03/12/04 18:52:21.0	20.67
03/12/04 19:22:21.0	20.67
03/12/04 19:52:21.0	20.67
03/12/04 20:22:21.0	20.67
03/12/04 20:52:21.0	20.70
03/12/04 21:22:21.0	20.70
03/12/04 21:52:21.0	20.75
03/12/04 22:22:21.0	20.77
03/12/04 22:52:21.0	20.79
03/12/04 23:22:21.0	20.82
03/12/04 23:52:21.0	20.87
03/13/04 00:22:21.0	20.89
03/13/04 00:52:21.0	20.91
03/13/04 01:22:21.0	20.91
03/13/04 01:52:21.0	20.91
03/13/04 02:22:21.0	20.91
03/13/04 02:52:21.0	20.91
03/13/04 03:22:21.0	20.91
03/13/04 03:52:21.0	20.89
03/13/04 04:22:21.0	20.89
03/13/04 04:52:21.0	20.89
03/13/04 05:22:21.0	20.91
03/13/04 05:52:21.0	20.89
03/13/04 06:22:21.0	20.89
03/13/04 06:52:21.0	20.91
03/13/04 07:22:21.0	20.94
03/13/04 07:52:21.0	20.98
03/13/04 08:22:21.0	20.98
03/13/04 08:52:21.0	21.01
03/13/04 09:22:21.0	21.03
03/13/04 09:52:21.0	21.03
03/13/04 10:22:21.0	21.03
03/13/04 10:52:21.0	21.06
03/13/04 11:22:21.0	21.03
03/13/04 11:52:21.0	20.98
03/13/04 12:22:21.0	20.91
03/13/04 12:52:21.0	20.91
03/13/04 13:22:21.0	20.87
03/13/04 13:52:21.0	20.82
03/13/04 14:22:21.0	20.77
03/13/04 14:52:21.0	20.75
03/13/04 15:22:21.0	20.67
03/13/04 15:52:21.0	20.56
03/13/04 16:22:21.0	20.53
03/13/04 16:52:21.0	20.53
03/13/04 17:22:21.0	20.53
03/13/04 17:52:21.0	20.53
03/13/04 18:22:21.0	20.51

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/13/04 18:52:21.0	20.53
03/13/04 19:22:21.0	20.51
03/13/04 19:52:21.0	20.48
03/13/04 20:22:21.0	20.48
03/13/04 20:52:21.0	20.48
03/13/04 21:22:21.0	20.51
03/13/04 21:52:21.0	20.53
03/13/04 22:22:21.0	20.53
03/13/04 22:52:21.0	20.56
03/13/04 23:22:21.0	20.56
03/13/04 23:52:21.0	20.56
03/14/04 00:22:21.0	20.58
03/14/04 00:52:21.0	20.58
03/14/04 01:22:21.0	20.63
03/14/04 01:52:21.0	20.70
03/14/04 02:22:21.0	20.84
03/14/04 02:52:21.0	20.98
03/14/04 03:22:21.0	20.98
03/14/04 03:52:21.0	21.01
03/14/04 04:22:21.0	21.06
03/14/04 04:52:21.0	21.10
03/14/04 05:22:21.0	21.10
03/14/04 05:52:21.0	21.08
03/14/04 06:22:21.0	21.08
03/14/04 06:52:21.0	21.10
03/14/04 07:22:21.0	21.13
03/14/04 07:52:21.0	21.15
03/14/04 08:22:21.0	21.15
03/14/04 08:52:21.0	21.18
03/14/04 09:22:21.0	21.18
03/14/04 09:52:21.0	21.18
03/14/04 10:22:21.0	21.18
03/14/04 10:52:21.0	21.18
03/14/04 11:22:21.0	21.18
03/14/04 11:52:21.0	21.20
03/14/04 12:22:21.0	21.13
03/14/04 12:52:21.0	21.08
03/14/04 13:22:21.0	21.15
03/14/04 13:52:21.0	20.96
03/14/04 14:22:21.0	20.96
03/14/04 14:52:21.0	20.96
03/14/04 15:22:21.0	20.91
03/14/04 15:52:21.0	20.87
03/14/04 16:22:21.0	20.87
03/14/04 16:52:21.0	20.87
03/14/04 17:22:21.0	20.82
03/14/04 17:52:21.0	20.82
03/14/04 18:22:21.0	20.84
03/14/04 18:52:21.0	20.82
03/14/04 19:22:21.0	20.82
03/14/04 19:52:21.0	20.82
03/14/04 20:22:21.0	20.82
03/14/04 20:52:21.0	20.79
03/14/04 21:22:21.0	20.77
03/14/04 21:52:21.0	20.77
03/14/04 22:22:21.0	20.77
03/14/04 22:52:21.0	20.77
03/14/04 23:22:21.0	20.75
03/14/04 23:52:21.0	20.75

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/15/04 00:22:21.0	20.75
03/15/04 00:52:21.0	20.75
03/15/04 01:22:21.0	20.82
03/15/04 01:52:21.0	20.79
03/15/04 02:22:21.0	20.79
03/15/04 02:52:21.0	21.10
03/15/04 03:22:21.0	21.10
03/15/04 03:52:21.0	21.10
03/15/04 04:22:21.0	21.08
03/15/04 04:52:21.0	21.03
03/15/04 05:22:21.0	21.03
03/15/04 05:52:21.0	21.01
03/15/04 06:22:21.0	20.96
03/15/04 06:52:21.0	20.96
03/15/04 07:22:21.0	20.98
03/15/04 07:52:21.0	21.01
03/15/04 08:22:21.0	21.06
03/15/04 08:52:21.0	21.08
03/15/04 09:22:21.0	21.08
03/15/04 09:52:21.0	21.03
03/15/04 10:22:21.0	20.96
03/15/04 10:52:21.0	20.96
03/15/04 11:22:21.0	20.98
03/15/04 11:52:21.0	21.03
03/15/04 12:22:21.0	21.13
03/15/04 12:52:21.0	21.18
03/15/04 13:22:21.0	21.22
03/15/04 13:52:21.0	21.22
03/15/04 14:22:21.0	21.20
03/15/04 14:52:21.0	21.15
03/15/04 15:22:21.0	21.15
03/15/04 15:52:21.0	21.10
03/15/04 16:22:21.0	21.06
03/15/04 16:52:21.0	21.01
03/15/04 17:22:21.0	21.01
03/15/04 17:52:21.0	20.96
03/15/04 18:22:21.0	20.94
03/15/04 18:52:21.0	20.91
03/15/04 19:22:21.0	20.91
03/15/04 19:52:21.0	20.91
03/15/04 20:22:21.0	20.89
03/15/04 20:52:21.0	20.87
03/15/04 21:22:21.0	20.84
03/15/04 21:52:21.0	20.84
03/15/04 22:22:21.0	20.82
03/15/04 22:52:21.0	20.79
03/15/04 23:22:21.0	20.70
03/15/04 23:52:21.0	20.70
03/16/04 00:22:21.0	20.65
03/16/04 00:52:21.0	20.63
03/16/04 01:22:21.0	20.63
03/16/04 01:52:21.0	20.63
03/16/04 02:22:21.0	20.63
03/16/04 02:52:21.0	20.67
03/16/04 03:22:21.0	20.67
03/16/04 03:52:21.0	20.72
03/16/04 04:22:21.0	20.75
03/16/04 04:52:21.0	20.87
03/16/04 05:22:21.0	20.91

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/16/04 05:52:21.0	20.94
03/16/04 06:22:21.0	20.91
03/16/04 06:52:21.0	20.87
03/16/04 07:22:21.0	20.87
03/16/04 07:52:21.0	20.84
03/16/04 08:22:21.0	20.72
03/16/04 08:52:21.0	20.67
03/16/04 09:22:21.0	20.67
03/16/04 09:52:21.0	20.67
03/16/04 10:22:21.0	20.72
03/16/04 10:52:21.0	20.79
03/16/04 11:22:21.0	20.84
03/16/04 11:52:21.0	20.89
03/16/04 12:22:21.0	20.96
03/16/04 12:52:21.0	21.01
03/16/04 13:22:21.0	20.98
03/16/04 13:52:21.0	20.96
03/16/04 14:22:21.0	20.96
03/16/04 14:52:21.0	20.98
03/16/04 15:22:21.0	20.96
03/16/04 15:52:21.0	20.94
03/16/04 16:22:21.0	20.91
03/16/04 16:52:21.0	20.89
03/16/04 17:22:21.0	20.87
03/16/04 17:52:21.0	20.87
03/16/04 18:22:21.0	20.87
03/16/04 18:52:21.0	20.87
03/16/04 19:22:21.0	20.87
03/16/04 19:52:21.0	20.89
03/16/04 20:22:21.0	20.89
03/16/04 20:52:21.0	20.91
03/16/04 21:22:21.0	20.91
03/16/04 21:52:21.0	20.94
03/16/04 22:22:21.0	20.94
03/16/04 22:52:21.0	20.94
03/16/04 23:22:21.0	20.94
03/16/04 23:52:21.0	20.94
03/17/04 00:22:21.0	20.94
03/17/04 00:52:21.0	20.91
03/17/04 01:22:21.0	20.87
03/17/04 01:52:21.0	20.84
03/17/04 02:22:21.0	20.79
03/17/04 02:52:21.0	20.77
03/17/04 03:22:21.0	20.70
03/17/04 03:52:21.0	20.65
03/17/04 04:22:21.0	20.63
03/17/04 04:52:21.0	20.67
03/17/04 05:22:21.0	20.67
03/17/04 05:52:21.0	20.67
03/17/04 06:22:21.0	20.67
03/17/04 06:52:21.0	20.70
03/17/04 07:22:21.0	20.75
03/17/04 07:52:21.0	20.84
03/17/04 08:22:21.0	20.91
03/17/04 08:52:21.0	20.96
03/17/04 09:22:21.0	20.98
03/17/04 09:52:21.0	20.96
03/17/04 10:22:21.0	20.96
03/17/04 10:52:21.0	20.96

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/17/04 11:22:21.0	20.96
03/17/04 11:52:21.0	20.96
03/17/04 12:22:21.0	20.96
03/17/04 12:52:21.0	20.98
03/17/04 13:22:21.0	21.01
03/17/04 13:52:21.0	21.03
03/17/04 14:22:21.0	21.06
03/17/04 14:52:21.0	21.08
03/17/04 15:22:21.0	21.06
03/17/04 15:52:21.0	21.06
03/17/04 16:22:21.0	21.03
03/17/04 16:52:21.0	21.06
03/17/04 17:22:21.0	21.08
03/17/04 17:52:21.0	21.08
03/17/04 18:22:21.0	21.08
03/17/04 18:52:21.0	21.10
03/17/04 19:22:21.0	21.10
03/17/04 19:52:21.0	21.10
03/17/04 20:22:21.0	21.13
03/17/04 20:52:21.0	21.15
03/17/04 21:22:21.0	21.15
03/17/04 21:52:21.0	21.15
03/17/04 22:22:21.0	21.13
03/17/04 22:52:21.0	21.10
03/17/04 23:22:21.0	21.08
03/17/04 23:52:21.0	21.03
03/18/04 00:22:21.0	20.96
03/18/04 00:52:21.0	20.89
03/18/04 01:22:21.0	20.87
03/18/04 01:52:21.0	20.84
03/18/04 02:22:21.0	20.84
03/18/04 02:52:21.0	20.82
03/18/04 03:22:21.0	20.82
03/18/04 03:52:21.0	20.79
03/18/04 04:22:21.0	20.70
03/18/04 04:52:21.0	20.65
03/18/04 05:22:21.0	20.58
03/18/04 05:52:21.0	20.53
03/18/04 06:22:21.0	20.51
03/18/04 06:52:21.0	20.53
03/18/04 07:22:21.0	20.60
03/18/04 07:52:21.0	20.67
03/18/04 08:22:21.0	20.67
03/18/04 08:52:21.0	20.70
03/18/04 09:22:21.0	20.72
03/18/04 09:52:21.0	20.75
03/18/04 10:22:21.0	20.75
03/18/04 10:52:21.0	20.79
03/18/04 11:22:21.0	20.94
03/18/04 11:52:21.0	21.06
03/18/04 12:22:21.0	21.10
03/18/04 12:52:21.0	21.10
03/18/04 13:22:21.0	21.10
03/18/04 13:52:21.0	21.13
03/18/04 14:22:21.0	21.10
03/18/04 14:52:21.0	21.13
03/18/04 15:22:21.0	21.15
03/18/04 15:52:21.0	21.15
03/18/04 16:22:21.0	21.20

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/18/04 16:52:21.0	21.20
03/18/04 17:22:21.0	21.18
03/18/04 17:52:21.0	21.15
03/18/04 18:22:21.0	21.15
03/18/04 18:52:21.0	21.18
03/18/04 19:22:21.0	21.15
03/18/04 19:52:21.0	21.10
03/18/04 20:22:21.0	21.13
03/18/04 20:52:21.0	21.13
03/18/04 21:22:21.0	21.10
03/18/04 21:52:21.0	21.08
03/18/04 22:22:21.0	21.10
03/18/04 22:52:21.0	21.13
03/18/04 23:22:21.0	21.15
03/18/04 23:52:21.0	21.18
03/19/04 00:22:21.0	21.18
03/19/04 00:52:21.0	21.06
03/19/04 01:22:21.0	21.03
03/19/04 01:52:21.0	20.98
03/19/04 02:22:21.0	20.96
03/19/04 02:52:21.0	20.94
03/19/04 03:22:21.0	20.94
03/19/04 03:52:21.0	20.94
03/19/04 04:22:21.0	20.91
03/19/04 04:52:21.0	20.91
03/19/04 05:22:21.0	20.89
03/19/04 05:52:21.0	20.89
03/19/04 06:22:21.0	20.89
03/19/04 06:52:21.0	20.89
03/19/04 07:22:21.0	20.91
03/19/04 07:52:21.0	21.01
03/19/04 08:22:21.0	21.08
03/19/04 08:52:21.0	21.13
03/19/04 09:22:21.0	21.13
03/19/04 09:52:21.0	21.18
03/19/04 10:22:21.0	21.20
03/19/04 10:52:21.0	21.25
03/19/04 11:22:21.0	21.25
03/19/04 11:52:21.0	21.22
03/19/04 12:22:21.0	21.22
03/19/04 12:52:21.0	21.20
03/19/04 13:22:21.0	21.18
03/19/04 13:52:21.0	21.20
03/19/04 14:22:21.0	21.27
03/19/04 14:52:21.0	21.34
03/19/04 15:22:21.0	21.34
03/19/04 15:52:21.0	21.37
03/19/04 16:22:21.0	21.39
03/19/04 16:52:21.0	21.39
03/19/04 17:22:21.0	21.41
03/19/04 17:52:21.0	21.39
03/19/04 18:22:21.0	21.41
03/19/04 18:52:21.0	21.41
03/19/04 19:22:21.0	21.41
03/19/04 19:52:21.0	21.39
03/19/04 20:22:21.0	21.37
03/19/04 20:52:21.0	21.32
03/19/04 21:22:21.0	21.20
03/19/04 21:52:21.0	21.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/19/04 22:22:21.0	21.22
03/19/04 22:52:21.0	21.27
03/19/04 23:22:21.0	21.27
03/19/04 23:52:21.0	21.29
03/20/04 00:22:21.0	21.29
03/20/04 00:52:21.0	21.29
03/20/04 01:22:21.0	21.29
03/20/04 01:52:21.0	21.34
03/20/04 02:22:21.0	21.34
03/20/04 02:52:21.0	21.32
03/20/04 03:22:21.0	21.29
03/20/04 03:52:21.0	21.27
03/20/04 04:22:21.0	21.27
03/20/04 04:52:21.0	21.25
03/20/04 05:22:21.0	21.25
03/20/04 05:52:21.0	21.22
03/20/04 06:22:21.0	21.20
03/20/04 06:52:21.0	21.20
03/20/04 07:22:21.0	21.20
03/20/04 07:52:21.0	21.22
03/20/04 08:22:21.0	21.25
03/20/04 08:52:21.0	21.29
03/20/04 09:22:21.0	21.32
03/20/04 09:52:21.0	21.34
03/20/04 10:22:21.0	21.39
03/20/04 10:52:21.0	21.41
03/20/04 11:22:21.0	21.44
03/20/04 11:52:21.0	21.49
03/20/04 12:22:21.0	21.53
03/20/04 12:52:21.0	21.58
03/20/04 13:22:21.0	21.63
03/20/04 13:52:21.0	21.63
03/20/04 14:22:21.0	21.56
03/20/04 14:52:21.0	21.51
03/20/04 15:22:21.0	21.49
03/20/04 15:52:21.0	21.53
03/20/04 16:22:21.0	21.58
03/20/04 16:52:21.0	21.49
03/20/04 17:22:21.0	21.39
03/20/04 17:52:21.0	21.39
03/20/04 18:22:21.0	21.39
03/20/04 18:52:21.0	21.41
03/20/04 19:22:21.0	21.41
03/20/04 19:52:21.0	21.46
03/20/04 20:22:21.0	21.46
03/20/04 20:52:21.0	21.37
03/20/04 21:22:21.0	21.34
03/20/04 21:52:21.0	21.44
03/20/04 22:22:21.0	21.44
03/20/04 22:52:21.0	21.39
03/20/04 23:22:21.0	21.39
03/20/04 23:52:21.0	21.39
03/21/04 00:22:21.0	21.41
03/21/04 00:52:21.0	21.41
03/21/04 01:22:21.0	21.39
03/21/04 01:52:21.0	21.39
03/21/04 02:22:21.0	21.39
03/21/04 02:52:21.0	21.44
03/21/04 03:22:21.0	21.41

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/21/04 03:52:21.0	21.29
03/21/04 04:22:21.0	21.27
03/21/04 04:52:21.0	21.27
03/21/04 05:22:21.0	21.22
03/21/04 05:52:21.0	21.22
03/21/04 06:22:21.0	21.25
03/21/04 06:52:21.0	21.27
03/21/04 07:22:21.0	21.29
03/21/04 07:52:21.0	21.34
03/21/04 08:22:21.0	21.37
03/21/04 08:52:21.0	21.41
03/21/04 09:22:21.0	21.44
03/21/04 09:52:21.0	21.46
03/21/04 10:22:21.0	21.49
03/21/04 10:52:21.0	21.51
03/21/04 11:22:21.0	21.53
03/21/04 11:52:21.0	21.56
03/21/04 12:22:21.0	21.58
03/21/04 12:52:21.0	21.65
03/21/04 13:22:21.0	21.65
03/21/04 13:52:21.0	21.77
03/21/04 14:22:21.0	21.82
03/21/04 14:52:21.0	21.82
03/21/04 15:22:21.0	21.82
03/21/04 15:52:21.0	21.77
03/21/04 16:22:21.0	21.72
03/21/04 16:52:21.0	21.70
03/21/04 17:22:21.0	21.65
03/21/04 17:52:21.0	21.63
03/21/04 18:22:21.0	21.60
03/21/04 18:52:21.0	21.60
03/21/04 19:22:21.0	21.60
03/21/04 19:52:21.0	21.68
03/21/04 20:22:21.0	21.68
03/21/04 20:52:21.0	21.65
03/21/04 21:22:21.0	21.65
03/21/04 21:52:21.0	21.68
03/21/04 22:22:21.0	21.68
03/21/04 22:52:21.0	21.68
03/21/04 23:22:21.0	21.60
03/21/04 23:52:21.0	21.58
03/22/04 00:22:21.0	21.53
03/22/04 00:52:21.0	21.56
03/22/04 01:22:21.0	21.58
03/22/04 01:52:21.0	21.58
03/22/04 02:22:21.0	21.60
03/22/04 02:52:21.0	21.58
03/22/04 03:22:21.0	21.58
03/22/04 03:52:21.0	21.58
03/22/04 04:22:21.0	21.63
03/22/04 04:52:21.0	21.63
03/22/04 05:22:21.0	21.63
03/22/04 05:52:21.0	21.63
03/22/04 06:22:21.0	21.60
03/22/04 06:52:21.0	21.60
03/22/04 07:22:21.0	21.60
03/22/04 07:52:21.0	21.63
03/22/04 08:22:21.0	21.65
03/22/04 08:52:21.0	21.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/22/04 09:22:21.0	21.68
03/22/04 09:52:21.0	21.68
03/22/04 10:22:21.0	21.65
03/22/04 10:52:21.0	21.65
03/22/04 11:22:21.0	21.65
03/22/04 11:52:21.0	21.65
03/22/04 12:22:21.0	21.65
03/22/04 12:52:21.0	21.63
03/22/04 13:22:21.0	21.65
03/22/04 13:52:21.0	21.63
03/22/04 14:22:21.0	21.65
03/22/04 14:52:21.0	21.65
03/22/04 15:22:21.0	21.65
03/22/04 15:52:21.0	21.63
03/22/04 16:22:21.0	21.63
03/22/04 16:52:21.0	21.63
03/22/04 17:22:21.0	21.63
03/22/04 17:52:21.0	21.63
03/22/04 18:22:21.0	21.60
03/22/04 18:52:21.0	21.60
03/22/04 19:22:21.0	21.60
03/22/04 19:52:21.0	21.60
03/22/04 20:22:21.0	21.60
03/22/04 20:52:21.0	21.58
03/22/04 21:22:21.0	21.58
03/22/04 21:52:21.0	21.56
03/22/04 22:22:21.0	21.56
03/22/04 22:52:21.0	21.56
03/22/04 23:22:21.0	21.56
03/22/04 23:52:21.0	21.56
03/23/04 00:22:21.0	21.56
03/23/04 00:52:21.0	21.56
03/23/04 01:22:21.0	21.53
03/23/04 01:52:21.0	21.53
03/23/04 02:22:21.0	21.53
03/23/04 02:52:21.0	21.53
03/23/04 03:22:21.0	21.53
03/23/04 03:52:21.0	21.53
03/23/04 04:22:21.0	21.51
03/23/04 04:52:21.0	21.51
03/23/04 05:22:21.0	21.51
03/23/04 05:52:21.0	21.51
03/23/04 06:22:21.0	21.51
03/23/04 06:52:21.0	21.51
03/23/04 07:22:21.0	21.51
03/23/04 07:52:21.0	21.51
03/23/04 08:22:21.0	21.56
03/23/04 08:52:21.0	21.58
03/23/04 09:22:21.0	21.58
03/23/04 09:52:21.0	21.58
03/23/04 10:22:21.0	21.60
03/23/04 10:52:21.0	21.56
03/23/04 11:22:21.0	21.60
03/23/04 11:52:21.0	21.60
03/23/04 12:22:21.0	21.58
03/23/04 12:52:21.0	21.60
03/23/04 13:22:21.0	21.60
03/23/04 13:52:21.0	21.58
03/23/04 14:22:21.0	21.58

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/23/04 14:52:21.0	21.58
03/23/04 15:22:21.0	21.58
03/23/04 15:52:21.0	21.58
03/23/04 16:22:21.0	21.58
03/23/04 16:52:21.0	21.58
03/23/04 17:22:21.0	21.58
03/23/04 17:52:21.0	21.58
03/23/04 18:22:21.0	21.56
03/23/04 18:52:21.0	21.56
03/23/04 19:22:21.0	21.53
03/23/04 19:52:21.0	21.53
03/23/04 20:22:21.0	21.53
03/23/04 20:52:21.0	21.53
03/23/04 21:22:21.0	21.53
03/23/04 21:52:21.0	21.53
03/23/04 22:22:21.0	21.53
03/23/04 22:52:21.0	21.53
03/23/04 23:22:21.0	21.53
03/23/04 23:52:21.0	21.53
03/24/04 00:22:21.0	21.51
03/24/04 00:52:21.0	21.51
03/24/04 01:22:21.0	21.51
03/24/04 01:52:21.0	21.49
03/24/04 02:22:21.0	21.49
03/24/04 02:52:21.0	21.46
03/24/04 03:22:21.0	21.46
03/24/04 03:52:21.0	21.44
03/24/04 04:22:21.0	21.44
03/24/04 04:52:21.0	21.44
03/24/04 05:22:21.0	21.44
03/24/04 05:52:21.0	21.44
03/24/04 06:22:21.0	21.44
03/24/04 06:52:21.0	21.44
03/24/04 07:22:21.0	21.44
03/24/04 07:52:21.0	21.44
03/24/04 08:22:21.0	21.44
03/24/04 08:52:21.0	21.49
03/24/04 09:22:21.0	21.51
03/24/04 09:52:21.0	21.51
03/24/04 10:22:21.0	21.51
03/24/04 10:52:21.0	21.53
03/24/04 11:22:21.0	21.53
03/24/04 11:52:21.0	21.53
03/24/04 12:22:21.0	21.51
03/24/04 12:52:21.0	21.53
03/24/04 13:22:21.0	21.53
03/24/04 13:52:21.0	21.56
03/24/04 14:22:21.0	21.56
03/24/04 14:52:21.0	21.53
03/24/04 15:22:21.0	21.49
03/24/04 15:52:21.0	21.41
03/24/04 16:22:21.0	21.39
03/24/04 16:52:21.0	21.37
03/24/04 17:22:21.0	21.37
03/24/04 17:52:21.0	21.34
03/24/04 18:22:21.0	21.32
03/24/04 18:52:21.0	21.32
03/24/04 19:22:21.0	21.32
03/24/04 19:52:21.0	21.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/24/04 20:22:21.0	21.32
03/24/04 20:52:21.0	21.32
03/24/04 21:22:21.0	21.32
03/24/04 21:52:21.0	21.34
03/24/04 22:22:21.0	21.34
03/24/04 22:52:21.0	21.34
03/24/04 23:22:21.0	21.34
03/24/04 23:52:21.0	21.34
03/25/04 00:22:21.0	21.37
03/25/04 00:52:21.0	21.37
03/25/04 01:22:21.0	21.37
03/25/04 01:52:21.0	21.39
03/25/04 02:22:21.0	21.39
03/25/04 02:52:21.0	21.41
03/25/04 03:22:21.0	21.41
03/25/04 03:52:21.0	21.41
03/25/04 04:22:21.0	21.44
03/25/04 04:52:21.0	21.44
03/25/04 05:22:21.0	21.44
03/25/04 05:52:21.0	21.44
03/25/04 06:22:21.0	21.44
03/25/04 06:52:21.0	21.44
03/25/04 07:22:21.0	21.44
03/25/04 07:52:21.0	21.46
03/25/04 08:22:21.0	21.46
03/25/04 08:52:21.0	21.49
03/25/04 09:22:21.0	21.51
03/25/04 09:52:21.0	21.53
03/25/04 10:22:21.0	21.53
03/25/04 10:52:21.0	21.56
03/25/04 11:22:21.0	21.56
03/25/04 11:52:21.0	21.56
03/25/04 12:22:21.0	21.56
03/25/04 12:52:21.0	21.56
03/25/04 13:22:21.0	21.53
03/25/04 13:52:21.0	21.53
03/25/04 14:22:21.0	21.53
03/25/04 14:52:21.0	21.51
03/25/04 15:22:21.0	21.51
03/25/04 15:52:21.0	21.49
03/25/04 16:22:21.0	21.49
03/25/04 16:52:21.0	21.46
03/25/04 17:22:21.0	21.44
03/25/04 17:52:21.0	21.44
03/25/04 18:22:21.0	21.44
03/25/04 18:52:21.0	21.44
03/25/04 19:22:21.0	21.44
03/25/04 19:52:21.0	21.46
03/25/04 20:22:21.0	21.46
03/25/04 20:52:21.0	21.46
03/25/04 21:22:21.0	21.46
03/25/04 21:52:21.0	21.46
03/25/04 22:22:21.0	21.46
03/25/04 22:52:21.0	21.46
03/25/04 23:22:21.0	21.46
03/25/04 23:52:21.0	21.46
03/26/04 00:22:21.0	21.46
03/26/04 00:52:21.0	21.46
03/26/04 01:22:21.0	21.41

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/26/04 01:52:21.0	21.44
03/26/04 02:22:21.0	21.44
03/26/04 02:52:21.0	21.51
03/26/04 03:22:21.0	21.51
03/26/04 03:52:21.0	21.51
03/26/04 04:22:21.0	21.51
03/26/04 04:52:21.0	21.51
03/26/04 05:22:21.0	21.51
03/26/04 05:52:21.0	21.49
03/26/04 06:22:21.0	21.49
03/26/04 06:52:21.0	21.49
03/26/04 07:22:21.0	21.49
03/26/04 07:52:21.0	21.51
03/26/04 08:22:21.0	21.51
03/26/04 08:52:21.0	21.53
03/26/04 09:22:21.0	21.56
03/26/04 09:52:21.0	21.56
03/26/04 10:22:21.0	21.56
03/26/04 10:52:21.0	21.56
03/26/04 11:22:21.0	21.53
03/26/04 11:52:21.0	21.53
03/26/04 12:22:21.0	21.53
03/26/04 12:52:21.0	21.53
03/26/04 13:22:21.0	21.49
03/26/04 13:52:21.0	21.46
03/26/04 14:22:21.0	21.44
03/26/04 14:52:21.0	21.44
03/26/04 15:22:21.0	21.44
03/26/04 15:52:21.0	21.44
03/26/04 16:22:21.0	21.44
03/26/04 16:52:21.0	21.44
03/26/04 17:22:21.0	21.44
03/26/04 17:52:21.0	21.41
03/26/04 18:22:21.0	21.39
03/26/04 18:52:21.0	21.39
03/26/04 19:22:21.0	21.39
03/26/04 19:52:21.0	21.41
03/26/04 20:22:21.0	21.44
03/26/04 20:52:21.0	21.44
03/26/04 21:22:21.0	21.44
03/26/04 21:52:21.0	21.41
03/26/04 22:22:21.0	21.41
03/26/04 22:52:21.0	21.41
03/26/04 23:22:21.0	21.41
03/26/04 23:52:21.0	21.39
03/27/04 00:22:21.0	21.37
03/27/04 00:52:21.0	21.37
03/27/04 01:22:21.0	21.34
03/27/04 01:52:21.0	21.34
03/27/04 02:22:21.0	21.34
03/27/04 02:52:21.0	21.29
03/27/04 03:22:21.0	21.29
03/27/04 03:52:21.0	21.29
03/27/04 04:22:21.0	21.41
03/27/04 04:52:21.0	21.46
03/27/04 05:22:21.0	21.46
03/27/04 05:52:21.0	21.49
03/27/04 06:22:21.0	21.51
03/27/04 06:52:21.0	21.51

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/27/04 07:22:21.0	21.53
03/27/04 07:52:21.0	21.56
03/27/04 08:22:21.0	21.56
03/27/04 08:52:21.0	21.58
03/27/04 09:22:21.0	21.56
03/27/04 09:52:21.0	21.46
03/27/04 10:22:21.0	21.44
03/27/04 10:52:21.0	21.49
03/27/04 11:22:21.0	21.53
03/27/04 11:52:21.0	21.56
03/27/04 12:22:21.0	21.58
03/27/04 12:52:21.0	21.56
03/27/04 13:22:21.0	21.51
03/27/04 13:52:21.0	21.46
03/27/04 14:22:21.0	21.41
03/27/04 14:52:21.0	21.39
03/27/04 15:22:21.0	21.46
03/27/04 15:52:21.0	21.51
03/27/04 16:22:21.0	21.51
03/27/04 16:52:21.0	21.51
03/27/04 17:22:21.0	21.49
03/27/04 17:52:21.0	21.46
03/27/04 18:22:21.0	21.37
03/27/04 18:52:21.0	21.29
03/27/04 19:22:21.0	21.29
03/27/04 19:52:21.0	21.37
03/27/04 20:22:21.0	21.44
03/27/04 20:52:21.0	21.44
03/27/04 21:22:21.0	21.46
03/27/04 21:52:21.0	21.46
03/27/04 22:22:21.0	21.44
03/27/04 22:52:21.0	21.44
03/27/04 23:22:21.0	21.41
03/27/04 23:52:21.0	21.41
03/28/04 00:22:21.0	21.34
03/28/04 00:52:21.0	21.29
03/28/04 01:22:21.0	21.25
03/28/04 01:52:21.0	21.20
03/28/04 02:22:21.0	21.18
03/28/04 02:52:21.0	21.18
03/28/04 03:22:21.0	21.20
03/28/04 03:52:21.0	21.13
03/28/04 04:22:21.0	21.13
03/28/04 04:52:21.0	21.13
03/28/04 05:22:21.0	21.10
03/28/04 05:52:21.0	21.08
03/28/04 06:22:21.0	21.08
03/28/04 06:52:21.0	21.10
03/28/04 07:22:21.0	21.13
03/28/04 07:52:21.0	21.15
03/28/04 08:22:21.0	21.15
03/28/04 08:52:21.0	21.15
03/28/04 09:22:21.0	21.18
03/28/04 09:52:21.0	21.20
03/28/04 10:22:21.0	21.22
03/28/04 10:52:21.0	21.25
03/28/04 11:22:21.0	21.20
03/28/04 11:52:21.0	21.27
03/28/04 12:22:21.0	21.46

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/28/04 12:52:21.0	21.49
03/28/04 13:22:21.0	21.49
03/28/04 13:52:21.0	21.41
03/28/04 14:22:21.0	21.39
03/28/04 14:52:21.0	21.37
03/28/04 15:22:21.0	21.34
03/28/04 15:52:21.0	21.34
03/28/04 16:22:21.0	21.27
03/28/04 16:52:21.0	21.22
03/28/04 17:22:21.0	21.18
03/28/04 17:52:21.0	21.13
03/28/04 18:22:21.0	21.06
03/28/04 18:52:21.0	20.98
03/28/04 19:22:21.0	20.91
03/28/04 19:52:21.0	20.87
03/28/04 20:22:21.0	20.84
03/28/04 20:52:21.0	20.89
03/28/04 21:22:21.0	20.96
03/28/04 21:52:21.0	21.03
03/28/04 22:22:21.0	21.06
03/28/04 22:52:21.0	21.13
03/28/04 23:22:21.0	21.20
03/28/04 23:52:21.0	21.27
03/29/04 00:22:21.0	21.25
03/29/04 00:52:21.0	21.25
03/29/04 01:22:21.0	21.15
03/29/04 01:52:21.0	21.06
03/29/04 02:22:21.0	21.08
03/29/04 02:52:21.0	21.06
03/29/04 03:22:21.0	21.08
03/29/04 03:52:21.0	21.10
03/29/04 04:22:21.0	21.10
03/29/04 04:52:21.0	21.10
03/29/04 05:22:21.0	20.94
03/29/04 05:52:21.0	20.91
03/29/04 06:22:21.0	20.91
03/29/04 06:52:21.0	20.94
03/29/04 07:22:21.0	21.01
03/29/04 07:52:21.0	20.98
03/29/04 08:22:21.0	21.03
03/29/04 08:52:21.0	21.08
03/29/04 09:22:21.0	21.10
03/29/04 09:52:21.0	21.13
03/29/04 10:22:21.0	21.20
03/29/04 10:52:21.0	21.27
03/29/04 11:22:21.0	21.27
03/29/04 11:52:21.0	21.29
03/29/04 12:22:21.0	21.39
03/29/04 12:52:21.0	21.53
03/29/04 13:22:21.0	21.56
03/29/04 13:52:21.0	21.56
03/29/04 14:22:21.0	21.53
03/29/04 14:52:21.0	21.51
03/29/04 15:22:21.0	21.49
03/29/04 15:52:21.0	21.41
03/29/04 16:22:21.0	21.37
03/29/04 16:52:21.0	21.32
03/29/04 17:22:21.0	21.29
03/29/04 17:52:21.0	21.29

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/29/04 18:22:21.0	21.27
03/29/04 18:52:21.0	21.15
03/29/04 19:22:21.0	21.13
03/29/04 19:52:21.0	21.10
03/29/04 20:22:21.0	21.01
03/29/04 20:52:21.0	20.84
03/29/04 21:22:21.0	20.67
03/29/04 21:52:21.0	20.60
03/29/04 22:22:21.0	20.58
03/29/04 22:52:21.0	20.51
03/29/04 23:22:21.0	20.56
03/29/04 23:52:21.0	20.65
03/30/04 00:22:21.0	20.65
03/30/04 00:52:21.0	20.75
03/30/04 01:22:21.0	20.75
03/30/04 01:52:21.0	20.82
03/30/04 02:22:21.0	20.77
03/30/04 02:52:21.0	20.77
03/30/04 03:22:21.0	20.75
03/30/04 03:52:21.0	20.75
03/30/04 04:22:21.0	20.75
03/30/04 04:52:21.0	20.77
03/30/04 05:22:21.0	20.51
03/30/04 05:52:21.0	20.51
03/30/04 06:22:21.0	20.67
03/30/04 06:52:21.0	20.89
03/30/04 07:22:21.0	20.79
03/30/04 07:52:21.0	20.89
03/30/04 08:22:21.0	20.87
03/30/04 08:52:21.0	20.91
03/30/04 09:22:21.0	21.08
03/30/04 09:52:21.0	21.32
03/30/04 10:22:21.0	21.32
03/30/04 10:52:21.0	21.34
03/30/04 11:22:21.0	21.34
03/30/04 11:52:21.0	21.27
03/30/04 12:22:21.0	21.29
03/30/04 12:52:21.0	21.32
03/30/04 13:22:21.0	21.32
03/30/04 13:52:21.0	20.96
03/30/04 14:22:21.0	20.96
03/30/04 14:52:21.0	20.98
03/30/04 15:22:21.0	21.01
03/30/04 15:52:21.0	21.01
03/30/04 16:22:21.0	21.03
03/30/04 16:52:21.0	21.03
03/30/04 17:22:21.0	21.03
03/30/04 17:52:21.0	21.03
03/30/04 18:22:21.0	21.03
03/30/04 18:52:21.0	21.06
03/30/04 19:22:21.0	21.03
03/30/04 19:52:21.0	21.08
03/30/04 20:22:21.0	20.56
03/30/04 20:52:21.0	20.25
03/30/04 21:22:21.0	20.25
03/30/04 21:52:21.0	20.25
03/30/04 22:22:21.0	20.29
03/30/04 22:52:21.0	20.32
03/30/04 23:22:21.0	20.56

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
03/30/04 23:52:21.0	20.56
03/31/04 00:22:21.0	20.37
03/31/04 00:52:21.0	20.15
03/31/04 01:22:21.0	20.15
03/31/04 01:52:21.0	20.17
03/31/04 02:22:21.0	20.20
03/31/04 02:52:21.0	20.22
03/31/04 03:22:21.0	20.25
03/31/04 03:52:21.0	20.25
03/31/04 04:22:21.0	20.27
03/31/04 04:52:21.0	20.27
03/31/04 05:22:21.0	20.29
03/31/04 05:52:21.0	20.53
03/31/04 06:22:21.0	20.44
03/31/04 06:52:21.0	20.46
03/31/04 07:22:21.0	20.41
03/31/04 07:52:21.0	20.48
03/31/04 08:22:21.0	20.51
03/31/04 08:52:21.0	21.01
03/31/04 09:22:21.0	21.03
03/31/04 09:52:21.0	21.08
03/31/04 10:22:21.0	21.10
03/31/04 10:52:21.0	21.10
03/31/04 11:22:21.0	21.13
03/31/04 11:52:21.0	21.13
03/31/04 12:22:21.0	21.15
03/31/04 12:52:21.0	21.18
03/31/04 13:22:21.0	21.22
03/31/04 13:52:21.0	21.27
03/31/04 14:22:21.0	21.27
03/31/04 14:52:21.0	21.27
03/31/04 15:22:21.0	21.29
03/31/04 15:52:21.0	21.29
03/31/04 16:22:21.0	21.29
03/31/04 16:52:21.0	21.27
03/31/04 17:22:21.0	21.27
03/31/04 17:52:21.0	21.18
03/31/04 18:22:21.0	21.06
03/31/04 18:52:21.0	21.08
03/31/04 19:22:21.0	20.94
03/31/04 19:52:21.0	20.82
03/31/04 20:22:21.0	20.82
03/31/04 20:52:21.0	20.77
03/31/04 21:22:21.0	20.75
03/31/04 21:52:21.0	20.65
03/31/04 22:22:21.0	20.65
03/31/04 22:52:21.0	20.63
03/31/04 23:22:21.0	20.60
03/31/04 23:52:21.0	20.63
04/01/04 00:22:21.0	20.63
04/01/04 00:52:21.0	20.60
04/01/04 01:22:21.0	20.60
04/01/04 01:52:21.0	20.60
04/01/04 02:22:21.0	20.63
04/01/04 02:52:21.0	20.63
04/01/04 03:22:21.0	20.63
04/01/04 03:52:21.0	20.56
04/01/04 04:22:21.0	20.56
04/01/04 04:52:21.0	20.56

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/01/04 05:22:21.0	20.58
04/01/04 05:52:21.0	20.53
04/01/04 06:22:21.0	20.46
04/01/04 06:52:21.0	20.46
04/01/04 07:22:21.0	20.48
04/01/04 07:52:21.0	20.53
04/01/04 08:22:21.0	20.56
04/01/04 08:52:21.0	20.58
04/01/04 09:22:21.0	20.60
04/01/04 09:52:21.0	20.65
04/01/04 10:22:21.0	20.72
04/01/04 10:52:21.0	20.89
04/01/04 11:22:21.0	20.94
04/01/04 11:52:21.0	21.34
04/01/04 12:22:21.0	21.37
04/01/04 12:52:21.0	21.37
04/01/04 13:22:21.0	21.37
04/01/04 13:52:21.0	21.37
04/01/04 14:22:21.0	21.25
04/01/04 14:52:21.0	21.22
04/01/04 15:22:21.0	21.22
04/01/04 15:52:21.0	21.20
04/01/04 16:22:21.0	21.20
04/01/04 16:52:21.0	21.20
04/01/04 17:22:21.0	21.20
04/01/04 17:52:21.0	21.18
04/01/04 18:22:21.0	21.18
04/01/04 18:52:21.0	21.18
04/01/04 19:22:21.0	21.18
04/01/04 19:52:21.0	21.20
04/01/04 20:22:21.0	21.20
04/01/04 20:52:21.0	21.20
04/01/04 21:22:21.0	21.20
04/01/04 21:52:21.0	21.20
04/01/04 22:22:21.0	21.22
04/01/04 22:52:21.0	21.22
04/01/04 23:22:21.0	21.22
04/01/04 23:52:21.0	21.20
04/02/04 00:22:21.0	21.20
04/02/04 00:52:21.0	21.13
04/02/04 01:22:21.0	20.91
04/02/04 01:52:21.0	20.96
04/02/04 02:22:21.0	20.94
04/02/04 02:52:21.0	20.98
04/02/04 03:22:21.0	20.87
04/02/04 03:52:21.0	20.84
04/02/04 04:22:21.0	20.89
04/02/04 04:52:21.0	20.87
04/02/04 05:22:21.0	20.89
04/02/04 05:52:21.0	20.91
04/02/04 06:22:21.0	20.94
04/02/04 06:52:21.0	20.96
04/02/04 07:22:21.0	21.13
04/02/04 07:52:21.0	21.13
04/02/04 08:22:21.0	21.18
04/02/04 08:52:21.0	21.22
04/02/04 09:22:21.0	21.15
04/02/04 09:52:21.0	21.20
04/02/04 10:22:21.0	21.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/02/04 10:52:21.0	21.25
04/02/04 11:22:21.0	21.22
04/02/04 11:52:21.0	21.22
04/02/04 12:22:21.0	21.20
04/02/04 12:52:21.0	21.18
04/02/04 13:22:21.0	21.15
04/02/04 13:52:21.0	21.18
04/02/04 14:22:21.0	20.77
04/02/04 14:52:21.0	20.65
04/02/04 15:22:21.0	20.67
04/02/04 15:52:21.0	20.82
04/02/04 16:22:21.0	20.82
04/02/04 16:52:21.0	20.67
04/02/04 17:22:21.0	20.60
04/02/04 17:52:21.0	20.70
04/02/04 18:22:21.0	20.82
04/02/04 18:52:21.0	20.84
04/02/04 19:22:21.0	20.91
04/02/04 19:52:21.0	20.91
04/02/04 20:22:21.0	20.96
04/02/04 20:52:21.0	20.96
04/02/04 21:22:21.0	20.96
04/02/04 21:52:21.0	20.96
04/02/04 22:22:21.0	20.96
04/02/04 22:52:21.0	20.96
04/02/04 23:22:21.0	20.96
04/02/04 23:52:21.0	20.98
04/03/04 00:22:21.0	20.98
04/03/04 00:52:21.0	21.06
04/03/04 01:22:21.0	21.08
04/03/04 01:52:21.0	21.08
04/03/04 02:22:21.0	21.06
04/03/04 02:52:21.0	20.98
04/03/04 03:22:21.0	20.94
04/03/04 03:52:21.0	20.94
04/03/04 04:22:21.0	20.96
04/03/04 04:52:21.0	20.91
04/03/04 05:22:21.0	20.87
04/03/04 05:52:21.0	20.84
04/03/04 06:22:21.0	20.77
04/03/04 06:52:21.0	20.77
04/03/04 07:22:21.0	20.84
04/03/04 07:52:21.0	20.91
04/03/04 08:22:21.0	20.96
04/03/04 08:52:21.0	21.01
04/03/04 09:22:21.0	21.01
04/03/04 09:52:21.0	20.96
04/03/04 10:22:21.0	20.98
04/03/04 10:52:21.0	21.01
04/03/04 11:22:21.0	21.10
04/03/04 11:52:21.0	21.15
04/03/04 12:22:21.0	21.15
04/03/04 12:52:21.0	21.08
04/03/04 13:22:21.0	21.13
04/03/04 13:52:21.0	21.15
04/03/04 14:22:21.0	21.10
04/03/04 14:52:21.0	21.10
04/03/04 15:22:21.0	21.06
04/03/04 15:52:21.0	21.01

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/03/04 16:22:21.0	21.01
04/03/04 16:52:21.0	21.03
04/03/04 17:22:21.0	21.06
04/03/04 17:52:21.0	21.06
04/03/04 18:22:21.0	21.06
04/03/04 18:52:21.0	21.06
04/03/04 19:22:21.0	21.06
04/03/04 19:52:21.0	21.08
04/03/04 20:22:21.0	20.98
04/03/04 20:52:21.0	21.01
04/03/04 21:22:21.0	21.06
04/03/04 21:52:21.0	21.06
04/03/04 22:22:21.0	21.06
04/03/04 22:52:21.0	21.06
04/03/04 23:22:21.0	21.06
04/03/04 23:52:21.0	21.10
04/04/04 00:22:21.0	21.06
04/04/04 00:52:21.0	21.06
04/04/04 01:22:21.0	21.06
04/04/04 01:52:21.0	21.08
04/04/04 03:22:21.0	21.08
04/04/04 03:52:21.0	21.08
04/04/04 04:22:21.0	21.01
04/04/04 04:52:21.0	20.96
04/04/04 05:22:21.0	20.89
04/04/04 05:52:21.0	20.84
04/04/04 06:22:21.0	20.87
04/04/04 06:52:21.0	20.87
04/04/04 07:22:21.0	20.84
04/04/04 07:52:21.0	20.87
04/04/04 08:22:21.0	20.87
04/04/04 08:52:21.0	20.91
04/04/04 09:22:21.0	20.94
04/04/04 09:52:21.0	20.84
04/04/04 10:22:21.0	20.87
04/04/04 10:52:21.0	21.01
04/04/04 11:22:21.0	21.01
04/04/04 11:52:21.0	21.03
04/04/04 12:22:21.0	21.10
04/04/04 12:52:21.0	21.18
04/04/04 13:22:21.0	21.20
04/04/04 13:52:21.0	21.22
04/04/04 14:22:21.0	21.27
04/04/04 14:52:21.0	21.27
04/04/04 15:22:21.0	21.22
04/04/04 15:52:21.0	21.20
04/04/04 16:22:21.0	21.13
04/04/04 16:52:21.0	21.03
04/04/04 17:22:21.0	21.06
04/04/04 17:52:21.0	21.10
04/04/04 18:22:21.0	21.20
04/04/04 18:52:21.0	21.20
04/04/04 19:22:21.0	21.20
04/04/04 19:52:21.0	21.25
04/04/04 20:22:21.0	21.32
04/04/04 20:52:21.0	21.27
04/04/04 21:22:21.0	21.25
04/04/04 21:52:21.0	21.25
04/04/04 22:22:21.0	21.25

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/04/04 22:52:21.0	21.25
04/04/04 23:22:21.0	21.25
04/04/04 23:52:21.0	21.25
04/05/04 00:22:21.0	21.25
04/05/04 00:52:21.0	21.25
04/05/04 01:22:21.0	21.18
04/05/04 01:52:21.0	21.15
04/05/04 02:22:21.0	21.13
04/05/04 02:52:21.0	21.15
04/05/04 03:22:21.0	21.13
04/05/04 03:52:21.0	21.15
04/05/04 04:22:21.0	21.10
04/05/04 04:52:21.0	21.01
04/05/04 05:22:21.0	21.03
04/05/04 05:52:21.0	21.06
04/05/04 06:22:21.0	21.08
04/05/04 06:52:21.0	21.08
04/05/04 07:22:21.0	21.10
04/05/04 07:52:21.0	21.10
04/05/04 08:22:21.0	21.10
04/05/04 08:52:21.0	21.10
04/05/04 09:22:21.0	21.10
04/05/04 09:52:21.0	21.13
04/05/04 10:22:21.0	21.25
04/05/04 10:52:21.0	21.20
04/05/04 11:22:21.0	21.22
04/05/04 11:52:21.0	21.25
04/05/04 12:22:21.0	21.32
04/05/04 12:52:21.0	21.32
04/05/04 13:22:21.0	21.32
04/05/04 13:52:21.0	21.32
04/05/04 14:22:21.0	21.32
04/05/04 14:52:21.0	21.37
04/05/04 15:22:21.0	21.41
04/05/04 15:52:21.0	21.49
04/05/04 16:22:21.0	21.46
04/05/04 16:52:21.0	21.44
04/05/04 17:22:21.0	21.39
04/05/04 17:52:21.0	21.37
04/05/04 18:22:21.0	21.34
04/05/04 18:52:21.0	21.32
04/05/04 19:22:21.0	21.32
04/05/04 19:52:21.0	21.32
04/05/04 20:22:21.0	21.32
04/05/04 20:52:21.0	21.34
04/05/04 21:22:21.0	21.34
04/05/04 21:52:21.0	21.34
04/05/04 22:22:21.0	21.34
04/05/04 22:52:21.0	21.37
04/05/04 23:22:21.0	21.37
04/05/04 23:52:21.0	21.37
04/06/04 00:22:21.0	21.37
04/06/04 00:52:21.0	21.44
04/06/04 01:22:21.0	21.41
04/06/04 01:52:21.0	21.41
04/06/04 02:22:21.0	21.34
04/06/04 02:52:21.0	21.32
04/06/04 03:22:21.0	21.25
04/06/04 03:52:21.0	21.27

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/06/04 04:22:21.0	21.27
04/06/04 04:52:21.0	21.29
04/06/04 05:22:21.0	21.29
04/06/04 05:52:21.0	21.34
04/06/04 06:22:21.0	21.32
04/06/04 06:52:21.0	21.41
04/06/04 07:22:21.0	21.46
04/06/04 07:52:21.0	21.25
04/06/04 08:22:21.0	21.32
04/06/04 08:52:21.0	21.32
04/06/04 09:22:21.0	21.29
04/06/04 09:52:21.0	21.29
04/06/04 10:22:21.0	21.34
04/06/04 10:52:21.0	21.32
04/06/04 11:22:21.0	21.34
04/06/04 11:52:21.0	21.37
04/06/04 12:22:21.0	21.34
04/06/04 12:52:21.0	21.27
04/06/04 13:22:21.0	21.29
04/06/04 13:52:21.0	21.32
04/06/04 14:22:21.0	21.29
04/06/04 14:52:21.0	21.29
04/06/04 15:22:21.0	21.22
04/06/04 15:52:21.0	21.18
04/06/04 16:22:21.0	21.22
04/06/04 16:52:21.0	21.25
04/06/04 17:22:21.0	21.27
04/06/04 17:52:21.0	21.25
04/06/04 18:22:21.0	21.27
04/06/04 18:52:21.0	21.29
04/06/04 19:22:21.0	21.29
04/06/04 19:52:21.0	21.34
04/06/04 20:22:21.0	21.39
04/06/04 20:52:21.0	21.44
04/06/04 21:22:21.0	21.51
04/06/04 21:52:21.0	21.53
04/06/04 22:22:21.0	21.51
04/06/04 22:52:21.0	21.53
04/06/04 23:22:21.0	21.53
04/06/04 23:52:21.0	21.53
04/07/04 00:22:21.0	21.53
04/07/04 00:52:21.0	21.53
04/07/04 01:22:21.0	21.56
04/07/04 01:52:21.0	21.56
04/07/04 02:22:21.0	21.58
04/07/04 02:52:21.0	21.53
04/07/04 03:22:21.0	21.46
04/07/04 03:52:21.0	21.41
04/07/04 04:22:21.0	21.37
04/07/04 04:52:21.0	21.39
04/07/04 05:22:21.0	21.39
04/07/04 05:52:21.0	21.39
04/07/04 06:22:21.0	21.44
04/07/04 06:52:21.0	21.37
04/07/04 07:22:21.0	21.20
04/07/04 07:52:21.0	21.18
04/07/04 08:22:21.0	21.20
04/07/04 08:52:21.0	21.22
04/07/04 09:22:21.0	21.25

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/07/04 09:52:21.0	21.27
04/07/04 10:22:21.0	21.29
04/07/04 10:52:21.0	21.32
04/07/04 11:22:21.0	21.20
04/07/04 11:52:21.0	21.29
04/07/04 12:22:21.0	21.29
04/07/04 12:52:21.0	21.22
04/07/04 13:22:21.0	21.27
04/07/04 13:52:21.0	21.29
04/07/04 14:22:21.0	21.44
04/07/04 14:52:21.0	21.51
04/07/04 15:22:21.0	21.49
04/07/04 15:52:21.0	21.49
04/07/04 16:22:21.0	21.29
04/07/04 16:52:21.0	21.32
04/07/04 17:22:21.0	21.34
04/07/04 17:52:21.0	21.29
04/07/04 18:22:21.0	21.29
04/07/04 18:52:21.0	21.29
04/07/04 19:22:21.0	21.25
04/07/04 19:52:21.0	21.27
04/07/04 20:22:21.0	21.27
04/07/04 20:52:21.0	21.27
04/07/04 21:22:21.0	21.29
04/07/04 21:52:21.0	21.29
04/07/04 22:22:21.0	21.32
04/07/04 22:52:21.0	21.37
04/07/04 23:22:21.0	21.29
04/07/04 23:52:21.0	21.29
04/08/04 00:22:21.0	21.29
04/08/04 00:52:21.0	21.29
04/08/04 01:22:21.0	21.34
04/08/04 01:52:21.0	21.34
04/08/04 02:22:21.0	21.37
04/08/04 02:52:21.0	21.41
04/08/04 03:22:21.0	21.34
04/08/04 03:52:21.0	21.32
04/08/04 04:22:21.0	21.29
04/08/04 04:52:21.0	21.27
04/08/04 05:22:21.0	21.20
04/08/04 05:52:21.0	21.08
04/08/04 06:22:21.0	21.13
04/08/04 06:52:21.0	21.34
04/08/04 07:22:21.0	21.39
04/08/04 07:52:21.0	21.41
04/08/04 08:22:21.0	21.44
04/08/04 08:52:21.0	21.44
04/08/04 09:22:21.0	21.44
04/08/04 09:52:21.0	21.46
04/08/04 10:22:21.0	21.49
04/08/04 10:52:21.0	21.51
04/08/04 11:22:21.0	21.41
04/08/04 11:52:21.0	21.37
04/08/04 12:22:21.0	21.37
04/08/04 12:52:21.0	21.39
04/08/04 13:22:21.0	21.18
04/08/04 13:52:21.0	21.37
04/08/04 14:22:21.0	21.34
04/08/04 14:52:21.0	21.37

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/08/04 15:22:21.0	21.37
04/08/04 15:52:21.0	21.37
04/08/04 16:22:21.0	21.39
04/08/04 16:52:21.0	21.41
04/08/04 17:22:21.0	21.41
04/08/04 17:52:21.0	21.44
04/08/04 18:22:21.0	21.49
04/08/04 18:52:21.0	21.60
04/08/04 19:22:21.0	21.60
04/08/04 19:52:21.0	21.65
04/08/04 20:22:21.0	21.89
04/08/04 20:52:21.0	21.99
04/08/04 21:22:21.0	22.01
04/08/04 21:52:21.0	21.70
04/08/04 22:22:21.0	21.87
04/08/04 22:52:21.0	21.89
04/08/04 23:22:21.0	21.89
04/08/04 23:52:21.0	21.92
04/09/04 00:22:21.0	21.60
04/09/04 00:52:21.0	21.44
04/09/04 01:22:21.0	21.46
04/09/04 01:52:21.0	21.46
04/09/04 02:22:21.0	21.58
04/09/04 02:52:21.0	21.53
04/09/04 03:22:21.0	21.58
04/09/04 03:52:21.0	21.53
04/09/04 04:22:21.0	21.58
04/09/04 04:52:21.0	21.58
04/09/04 05:22:21.0	21.58
04/09/04 05:52:21.0	21.65
04/09/04 06:22:21.0	21.06
04/09/04 06:52:21.0	21.13
04/09/04 07:22:21.0	21.10
04/09/04 07:52:21.0	21.13
04/09/04 08:22:21.0	21.18
04/09/04 08:52:21.0	21.22
04/09/04 09:22:21.0	21.25
04/09/04 09:52:21.0	21.44
04/09/04 10:22:21.0	21.65
04/09/04 10:52:21.0	21.60
04/09/04 11:22:21.0	21.60
04/09/04 11:52:21.0	21.63
04/09/04 12:22:21.0	21.65
04/09/04 12:52:21.0	21.68
04/09/04 13:22:21.0	21.70
04/09/04 13:52:21.0	21.72
04/09/04 14:22:21.0	21.77
04/09/04 14:52:21.0	21.84
04/09/04 15:22:21.0	22.03
04/09/04 15:52:21.0	22.01
04/09/04 16:22:21.0	21.94
04/09/04 16:52:21.0	21.94
04/09/04 17:22:21.0	21.92
04/09/04 17:52:21.0	21.87
04/09/04 18:22:21.0	21.92
04/09/04 18:52:21.0	21.99
04/09/04 19:22:21.0	21.89
04/09/04 19:52:21.0	21.80
04/09/04 20:22:21.0	21.56

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/09/04 20:52:21.0	21.39
04/09/04 21:22:21.0	21.58
04/09/04 21:52:21.0	21.22
04/09/04 22:22:21.0	21.41
04/09/04 22:52:21.0	21.44
04/09/04 23:22:21.0	21.51
04/09/04 23:52:21.0	21.49
04/10/04 00:22:21.0	21.53
04/10/04 00:52:21.0	21.53
04/10/04 01:22:21.0	21.56
04/10/04 01:52:21.0	21.60
04/10/04 02:22:21.0	21.58
04/10/04 02:52:21.0	21.60
04/10/04 03:22:21.0	21.63
04/10/04 03:52:21.0	21.68
04/10/04 04:22:21.0	21.87
04/10/04 04:52:21.0	21.89
04/10/04 05:22:21.0	21.94
04/10/04 05:52:21.0	21.94
04/10/04 06:22:21.0	21.82
04/10/04 06:52:21.0	21.82
04/10/04 07:22:21.0	21.84
04/10/04 07:52:21.0	21.87
04/10/04 08:22:21.0	21.84
04/10/04 08:52:21.0	21.89
04/10/04 09:22:21.0	21.92
04/10/04 09:52:21.0	21.82
04/10/04 10:22:21.0	21.72
04/10/04 10:52:21.0	21.63
04/10/04 11:22:21.0	21.68
04/10/04 11:52:21.0	21.77
04/10/04 12:22:21.0	21.84
04/10/04 12:52:21.0	21.84
04/10/04 13:22:21.0	21.87
04/10/04 13:52:21.0	21.87
04/10/04 14:22:21.0	21.89
04/10/04 14:52:21.0	21.96
04/10/04 15:22:21.0	21.96
04/10/04 15:52:21.0	21.80
04/10/04 16:22:21.0	21.77
04/10/04 16:52:21.0	21.80
04/10/04 17:22:21.0	21.80
04/10/04 17:52:21.0	21.80
04/10/04 18:22:21.0	21.82
04/10/04 18:52:21.0	21.82
04/10/04 19:22:21.0	21.82
04/10/04 19:52:21.0	21.84
04/10/04 20:22:21.0	21.84
04/10/04 20:52:21.0	21.84
04/10/04 21:22:21.0	21.84
04/10/04 21:52:21.0	21.87
04/10/04 22:22:21.0	21.87
04/10/04 22:52:21.0	21.89
04/10/04 23:22:21.0	21.94
04/10/04 23:52:21.0	21.96
04/11/04 00:22:21.0	21.99
04/11/04 00:52:21.0	21.99
04/11/04 01:22:21.0	21.92
04/11/04 01:52:21.0	21.87

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/11/04 02:22:21.0	21.84
04/11/04 02:52:21.0	21.75
04/11/04 03:22:21.0	21.77
04/11/04 03:52:21.0	21.84
04/11/04 04:22:21.0	21.89
04/11/04 04:52:21.0	22.01
04/11/04 05:22:21.0	22.11
04/11/04 05:52:21.0	22.13
04/11/04 06:22:21.0	22.18
04/11/04 06:52:21.0	22.18
04/11/04 07:22:21.0	21.96
04/11/04 07:52:21.0	21.92
04/11/04 08:22:21.0	21.75
04/11/04 08:52:21.0	21.84
04/11/04 09:22:21.0	21.92
04/11/04 09:52:21.0	21.94
04/11/04 10:22:21.0	21.94
04/11/04 10:52:21.0	21.94
04/11/04 11:22:21.0	21.94
04/11/04 11:52:21.0	21.92
04/11/04 12:22:21.0	21.92
04/11/04 12:52:21.0	21.84
04/11/04 13:22:21.0	21.82
04/11/04 13:52:21.0	21.82
04/11/04 14:22:21.0	21.87
04/11/04 14:52:21.0	21.92
04/11/04 15:22:21.0	21.96
04/11/04 15:52:21.0	21.96
04/11/04 16:22:21.0	21.99
04/11/04 16:52:21.0	22.01
04/11/04 17:22:21.0	22.01
04/11/04 17:52:21.0	22.03
04/11/04 18:22:21.0	22.03
04/11/04 18:52:21.0	21.94
04/11/04 19:22:21.0	21.82
04/11/04 19:52:21.0	21.77
04/11/04 20:22:21.0	21.80
04/11/04 20:52:21.0	21.77
04/11/04 21:22:21.0	21.80
04/11/04 21:52:21.0	21.77
04/11/04 22:22:21.0	21.92
04/11/04 22:52:21.0	21.65
04/11/04 23:22:21.0	21.65
04/11/04 23:52:21.0	21.68
04/12/04 00:22:21.0	21.87
04/12/04 00:52:21.0	21.72
04/12/04 01:22:21.0	21.70
04/12/04 01:52:21.0	21.70
04/12/04 02:22:21.0	21.96
04/12/04 02:52:21.0	22.06
04/12/04 03:22:21.0	22.11
04/12/04 03:52:21.0	21.60
04/12/04 04:22:21.0	21.63
04/12/04 04:52:21.0	21.63
04/12/04 05:22:21.0	21.65
04/12/04 05:52:21.0	21.65
04/12/04 06:22:21.0	21.65
04/12/04 06:52:21.0	21.70
04/12/04 07:22:21.0	21.72

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/12/04 07:52:21.0	21.77
04/12/04 08:22:21.0	21.80
04/12/04 08:52:21.0	21.80
04/12/04 09:22:21.0	21.80
04/12/04 09:52:21.0	21.82
04/12/04 10:22:21.0	21.87
04/12/04 10:52:21.0	21.82
04/12/04 11:22:21.0	21.82
04/12/04 11:52:21.0	21.82
04/12/04 12:22:21.0	21.82
04/12/04 12:52:21.0	21.82
04/12/04 13:22:21.0	21.84
04/12/04 13:52:21.0	21.84
04/12/04 14:22:21.0	21.89
04/12/04 14:52:21.0	21.96
04/12/04 15:22:21.0	21.92
04/12/04 15:52:21.0	21.94
04/12/04 16:22:21.0	21.96
04/12/04 16:52:21.0	22.15
04/12/04 17:22:21.0	22.51
04/12/04 17:52:21.0	22.54
04/12/04 18:22:21.0	22.54
04/12/04 18:52:21.0	22.51
04/12/04 19:22:21.0	22.51
04/12/04 19:52:21.0	22.51
04/12/04 20:22:21.0	22.49
04/12/04 20:52:21.0	22.44
04/12/04 21:22:21.0	22.42
04/12/04 21:52:21.0	22.37
04/12/04 22:22:21.0	22.30
04/12/04 22:52:21.0	22.18
04/12/04 23:22:21.0	22.08
04/12/04 23:52:21.0	21.96
04/13/04 00:22:21.0	21.87
04/13/04 00:52:21.0	21.82
04/13/04 01:22:21.0	21.82
04/13/04 01:52:21.0	21.82
04/13/04 02:22:21.0	21.82
04/13/04 02:52:21.0	21.84
04/13/04 03:22:21.0	21.92
04/13/04 03:52:21.0	21.94
04/13/04 04:22:21.0	21.89
04/13/04 04:52:21.0	21.84
04/13/04 05:22:21.0	21.87
04/13/04 05:52:21.0	21.84
04/13/04 06:22:21.0	21.84
04/13/04 06:52:21.0	21.82
04/13/04 07:22:21.0	21.80
04/13/04 07:52:21.0	21.80
04/13/04 08:22:21.0	21.80
04/13/04 08:52:21.0	21.82
04/13/04 09:22:21.0	21.82
04/13/04 09:52:21.0	21.84
04/13/04 10:22:21.0	21.87
04/13/04 10:52:21.0	21.87
04/13/04 11:22:21.0	21.89
04/13/04 11:52:21.0	21.89
04/13/04 12:22:21.0	21.87
04/13/04 12:52:21.0	21.89

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/13/04 13:22:21.0	21.92
04/13/04 13:52:21.0	21.96
04/13/04 14:22:21.0	22.01
04/13/04 14:52:21.0	21.99
04/13/04 15:22:21.0	21.99
04/13/04 15:52:21.0	22.01
04/13/04 16:22:21.0	22.13
04/13/04 16:52:21.0	22.25
04/13/04 17:22:21.0	22.23
04/13/04 17:52:21.0	22.35
04/13/04 18:22:21.0	22.37
04/13/04 18:52:21.0	22.37
04/13/04 19:22:21.0	22.37
04/13/04 19:52:21.0	22.42
04/13/04 20:22:21.0	22.42
04/13/04 20:52:21.0	22.37
04/13/04 21:22:21.0	22.39
04/13/04 21:52:21.0	22.42
04/13/04 22:22:21.0	22.42
04/13/04 22:52:21.0	22.42
04/13/04 23:22:21.0	22.42
04/13/04 23:52:21.0	22.42
04/14/04 00:22:21.0	22.39
04/14/04 00:52:21.0	22.37
04/14/04 01:22:21.0	22.32
04/14/04 01:52:21.0	22.27
04/14/04 02:22:21.0	22.23
04/14/04 02:52:21.0	22.20
04/14/04 03:22:21.0	22.18
04/14/04 03:52:21.0	22.23
04/14/04 04:22:21.0	22.18
04/14/04 04:52:21.0	22.18
04/14/04 05:22:21.0	22.18
04/14/04 05:52:21.0	22.18
04/14/04 06:22:21.0	22.13
04/14/04 06:52:21.0	22.13
04/14/04 07:22:21.0	22.13
04/14/04 07:52:21.0	22.06
04/14/04 08:22:21.0	21.99
04/14/04 08:52:21.0	21.96
04/14/04 09:22:21.0	21.92
04/14/04 09:52:21.0	21.96
04/14/04 10:22:21.0	22.01
04/14/04 10:52:21.0	22.03
04/14/04 11:22:21.0	22.03
04/14/04 11:52:21.0	22.08
04/14/04 12:22:21.0	22.08
04/14/04 12:52:21.0	22.11
04/14/04 13:22:21.0	22.15
04/14/04 13:52:21.0	22.20
04/14/04 14:22:21.0	22.23
04/14/04 14:52:21.0	22.23
04/14/04 15:22:21.0	22.25
04/14/04 15:52:21.0	22.25
04/14/04 16:22:21.0	22.27
04/14/04 16:52:21.0	22.27
04/14/04 17:22:21.0	22.30
04/14/04 17:52:21.0	22.30
04/14/04 18:22:21.0	22.27

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/14/04 18:52:21.0	22.27
04/14/04 19:22:21.0	22.27
04/14/04 19:52:21.0	22.25
04/14/04 20:22:21.0	22.25
04/14/04 20:52:21.0	22.20
04/14/04 21:22:21.0	22.15
04/14/04 21:52:21.0	22.15
04/14/04 22:22:21.0	22.18
04/14/04 22:52:21.0	22.23
04/14/04 23:22:21.0	22.39
04/14/04 23:52:21.0	22.25
04/15/04 00:22:21.0	22.27
04/15/04 00:52:21.0	22.27
04/15/04 01:22:21.0	22.27
04/15/04 01:52:21.0	22.25
04/15/04 02:22:21.0	22.18
04/15/04 02:52:21.0	22.13
04/15/04 03:22:21.0	22.11
04/15/04 03:52:21.0	22.13
04/15/04 04:22:21.0	22.13
04/15/04 04:52:21.0	22.13
04/15/04 05:22:21.0	22.13
04/15/04 05:52:21.0	21.82
04/15/04 06:22:21.0	21.72
04/15/04 06:52:21.0	21.70
04/15/04 07:22:21.0	21.72
04/15/04 07:52:21.0	21.75
04/15/04 08:22:21.0	21.75
04/15/04 08:52:21.0	21.80
04/15/04 09:22:21.0	21.82
04/15/04 09:52:21.0	21.84
04/15/04 10:22:21.0	21.80
04/15/04 10:52:21.0	21.84
04/15/04 11:22:21.0	21.89
04/15/04 11:52:21.0	21.89
04/15/04 12:22:21.0	21.89
04/15/04 12:52:21.0	21.92
04/15/04 13:22:21.0	21.99
04/15/04 13:52:21.0	21.92
04/15/04 14:22:21.0	21.94
04/15/04 14:52:21.0	21.94
04/15/04 15:22:21.0	21.94
04/15/04 15:52:21.0	21.96
04/15/04 16:22:21.0	21.94
04/15/04 16:52:21.0	21.96
04/15/04 17:22:21.0	21.96
04/15/04 17:52:21.0	21.96
04/15/04 18:22:21.0	21.96
04/15/04 18:52:21.0	21.96
04/15/04 19:22:21.0	21.96
04/15/04 19:52:21.0	21.96
04/15/04 20:22:21.0	21.96
04/15/04 20:52:21.0	21.96
04/15/04 21:22:21.0	21.99
04/15/04 21:52:21.0	22.11
04/15/04 22:22:21.0	22.03
04/15/04 22:52:21.0	22.01
04/15/04 23:22:21.0	21.94
04/15/04 23:52:21.0	21.87

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/16/04 00:22:21.0	21.80
04/16/04 00:52:21.0	21.75
04/16/04 01:22:21.0	21.70
04/16/04 01:52:21.0	21.70
04/16/04 02:22:21.0	21.70
04/16/04 02:52:21.0	21.68
04/16/04 03:22:21.0	21.68
04/16/04 03:52:21.0	21.68
04/16/04 04:22:21.0	21.70
04/16/04 04:52:21.0	21.72
04/16/04 05:22:21.0	21.70
04/16/04 05:52:21.0	21.70
04/16/04 06:22:21.0	21.70
04/16/04 06:52:21.0	21.72
04/16/04 07:22:21.0	21.72
04/16/04 07:52:21.0	21.72
04/16/04 08:22:21.0	21.75
04/16/04 08:52:21.0	21.80
04/16/04 09:22:21.0	21.82
04/16/04 09:52:21.0	21.87
04/16/04 10:22:21.0	21.84
04/16/04 10:52:21.0	21.87
04/16/04 11:22:21.0	21.89
04/16/04 11:52:21.0	21.84
04/16/04 12:22:21.0	21.84
04/16/04 12:52:21.0	21.84
04/16/04 13:22:21.0	21.84
04/16/04 13:52:21.0	21.84
04/16/04 14:22:21.0	21.84
04/16/04 14:52:21.0	21.87
04/16/04 15:22:21.0	21.89
04/16/04 15:52:21.0	21.87
04/16/04 16:22:21.0	21.87
04/16/04 16:52:21.0	21.87
04/16/04 17:22:21.0	21.89
04/16/04 17:52:21.0	21.84
04/16/04 18:22:21.0	21.84
04/16/04 18:52:21.0	21.89
04/16/04 19:22:21.0	21.94
04/16/04 19:52:21.0	21.99
04/16/04 20:22:21.0	22.06
04/16/04 20:52:21.0	22.11
04/16/04 21:22:21.0	22.06
04/16/04 21:52:21.0	22.11
04/16/04 22:22:21.0	22.23
04/16/04 22:52:21.0	22.30
04/16/04 23:22:21.0	22.32
04/16/04 23:52:21.0	22.37
04/17/04 00:22:21.0	22.39
04/17/04 00:52:21.0	22.37
04/17/04 01:22:21.0	22.35
04/17/04 01:52:21.0	22.37
04/17/04 02:22:21.0	22.37
04/17/04 02:52:21.0	22.35
04/17/04 03:22:21.0	22.35
04/17/04 03:52:21.0	22.35
04/17/04 04:22:21.0	22.32
04/17/04 04:52:21.0	22.25
04/17/04 05:22:21.0	22.25

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/17/04 05:52:21.0	22.39
04/17/04 06:22:21.0	22.42
04/17/04 06:52:21.0	22.51
04/17/04 07:22:21.0	22.59
04/17/04 07:52:21.0	22.59
04/17/04 08:22:21.0	22.61
04/17/04 08:52:21.0	22.61
04/17/04 09:22:21.0	22.63
04/17/04 09:52:21.0	22.59
04/17/04 10:22:21.0	22.63
04/17/04 10:52:21.0	22.63
04/17/04 11:22:21.0	22.61
04/17/04 11:52:21.0	22.54
04/17/04 12:22:21.0	22.42
04/17/04 12:52:21.0	22.30
04/17/04 13:22:21.0	22.30
04/17/04 13:52:21.0	22.27
04/17/04 14:22:21.0	22.30
04/17/04 14:52:21.0	22.30
04/17/04 15:22:21.0	22.32
04/17/04 15:52:21.0	22.35
04/17/04 16:22:21.0	22.37
04/17/04 16:52:21.0	22.42
04/17/04 17:22:21.0	22.42
04/17/04 17:52:21.0	22.39
04/17/04 18:22:21.0	22.42
04/17/04 18:52:21.0	22.44
04/17/04 19:22:21.0	22.44
04/17/04 19:52:21.0	22.49
04/17/04 20:22:21.0	22.51
04/17/04 20:52:21.0	22.56
04/17/04 21:22:21.0	22.61
04/17/04 21:52:21.0	22.61
04/17/04 22:22:21.0	22.59
04/17/04 22:52:21.0	22.61
04/17/04 23:22:21.0	22.66
04/17/04 23:52:21.0	22.63
04/18/04 00:22:21.0	22.61
04/18/04 00:52:21.0	22.56
04/18/04 01:22:21.0	22.56
04/18/04 01:52:21.0	22.54
04/18/04 02:22:21.0	22.51
04/18/04 02:52:21.0	22.49
04/18/04 03:22:21.0	22.47
04/18/04 03:52:21.0	22.44
04/18/04 04:22:21.0	22.56
04/18/04 04:52:21.0	22.56
04/18/04 05:22:21.0	22.49
04/18/04 05:52:21.0	22.37
04/18/04 06:22:21.0	22.32
04/18/04 06:52:21.0	22.27
04/18/04 07:22:21.0	22.27
04/18/04 07:52:21.0	22.27
04/18/04 08:22:21.0	22.27
04/18/04 08:52:21.0	22.30
04/18/04 09:22:21.0	22.30
04/18/04 09:52:21.0	22.32
04/18/04 10:22:21.0	22.35
04/18/04 10:52:21.0	22.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/18/04 11:22:21.0	22.32
04/18/04 11:52:21.0	22.32
04/18/04 12:22:21.0	22.35
04/18/04 12:52:21.0	22.32
04/18/04 13:22:21.0	22.32
04/18/04 13:52:21.0	22.32
04/18/04 14:22:21.0	22.35
04/18/04 14:52:21.0	22.35
04/18/04 15:22:21.0	22.35
04/18/04 15:52:21.0	22.35
04/18/04 16:22:21.0	22.32
04/18/04 16:52:21.0	22.32
04/18/04 17:22:21.0	22.32
04/18/04 17:52:21.0	22.30
04/18/04 18:22:21.0	22.30
04/18/04 18:52:21.0	22.25
04/18/04 19:22:21.0	22.11
04/18/04 19:52:21.0	22.01
04/18/04 20:22:21.0	21.99
04/18/04 20:52:21.0	22.01
04/18/04 21:22:21.0	22.01
04/18/04 21:52:21.0	22.03
04/18/04 22:22:21.0	22.11
04/18/04 22:52:21.0	22.23
04/18/04 23:22:21.0	22.23
04/18/04 23:52:21.0	22.25
04/19/04 00:22:21.0	22.30
04/19/04 00:52:21.0	22.30
04/19/04 01:22:21.0	22.27
04/19/04 01:52:21.0	22.25
04/19/04 02:22:21.0	22.35
04/19/04 02:52:21.0	22.37
04/19/04 03:22:21.0	22.35
04/19/04 03:52:21.0	22.35
04/19/04 04:22:21.0	22.27
04/19/04 04:52:21.0	22.13
04/19/04 05:22:21.0	22.03
04/19/04 05:52:21.0	22.03
04/19/04 06:22:21.0	22.08
04/19/04 06:52:21.0	22.11
04/19/04 07:22:21.0	22.08
04/19/04 07:52:21.0	22.11
04/19/04 08:22:21.0	22.15
04/19/04 08:52:21.0	22.20
04/19/04 09:22:21.0	22.23
04/19/04 09:52:21.0	22.30
04/19/04 10:22:21.0	22.32
04/19/04 10:52:21.0	22.42
04/19/04 11:22:21.0	22.47
04/19/04 11:52:21.0	22.32
04/19/04 12:22:21.0	22.25
04/19/04 12:52:21.0	22.30
04/19/04 13:22:21.0	22.30
04/19/04 13:52:21.0	22.27
04/19/04 14:22:21.0	22.25
04/19/04 14:52:21.0	22.30
04/19/04 15:22:21.0	22.32
04/19/04 15:52:21.0	22.32
04/19/04 16:22:21.0	22.35

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/19/04 16:52:21.0	22.32
04/19/04 17:22:21.0	22.32
04/19/04 17:52:21.0	22.32
04/19/04 18:22:21.0	22.35
04/19/04 18:52:21.0	22.35
04/19/04 19:22:21.0	22.35
04/19/04 19:52:21.0	22.35
04/19/04 20:22:21.0	22.39
04/19/04 20:52:21.0	22.42
04/19/04 21:22:21.0	22.39
04/19/04 21:52:21.0	22.39
04/19/04 22:22:21.0	22.42
04/19/04 22:52:21.0	22.47
04/19/04 23:22:21.0	22.49
04/19/04 23:52:21.0	22.51
04/20/04 00:22:21.0	22.49
04/20/04 00:52:21.0	22.37
04/20/04 01:22:21.0	22.39
04/20/04 01:52:21.0	22.39
04/20/04 02:22:21.0	22.49
04/20/04 02:52:21.0	22.61
04/20/04 03:22:21.0	22.56
04/20/04 03:52:21.0	22.56
04/20/04 04:22:21.0	22.54
04/20/04 04:52:21.0	22.49
04/20/04 05:22:21.0	22.44
04/20/04 05:52:21.0	22.42
04/20/04 06:22:21.0	22.47
04/20/04 06:52:21.0	22.49
04/20/04 07:22:21.0	22.51
04/20/04 07:52:21.0	22.54
04/20/04 08:22:21.0	22.59
04/20/04 08:52:21.0	22.63
04/20/04 09:22:21.0	22.68
04/20/04 09:52:21.0	22.73
04/20/04 10:22:21.0	22.78
04/20/04 10:52:21.0	22.85
04/20/04 11:22:21.0	22.94
04/20/04 11:52:21.0	22.94
04/20/04 12:22:21.0	22.94
04/20/04 12:52:21.0	23.11
04/20/04 13:22:21.0	23.18
04/20/04 13:52:21.0	23.18
04/20/04 14:22:21.0	23.18
04/20/04 14:52:21.0	23.21
04/20/04 15:22:21.0	23.21
04/20/04 15:52:21.0	23.21
04/20/04 16:22:21.0	23.21
04/20/04 16:52:21.0	23.21
04/20/04 17:22:21.0	23.18
04/20/04 17:52:21.0	23.18
04/20/04 18:22:21.0	23.18
04/20/04 18:52:21.0	23.16
04/20/04 19:22:21.0	23.16
04/20/04 19:52:21.0	23.14
04/20/04 20:22:21.0	23.14
04/20/04 20:52:21.0	23.14
04/20/04 21:22:21.0	23.14
04/20/04 21:52:21.0	23.11

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/20/04 22:22:21.0	23.09
04/20/04 22:52:21.0	23.09
04/20/04 23:22:21.0	23.09
04/20/04 23:52:21.0	22.90
04/21/04 00:22:21.0	22.97
04/21/04 00:52:21.0	22.97
04/21/04 01:22:21.0	22.97
04/21/04 01:52:21.0	22.97
04/21/04 02:22:21.0	22.97
04/21/04 02:52:21.0	22.99
04/21/04 03:22:21.0	22.99
04/21/04 03:52:21.0	22.99
04/21/04 04:22:21.0	22.99
04/21/04 04:52:21.0	22.97
04/21/04 05:22:21.0	22.87
04/21/04 05:52:21.0	22.90
04/21/04 06:22:21.0	22.94
04/21/04 06:52:21.0	22.99
04/21/04 07:22:21.0	22.99
04/21/04 07:52:21.0	22.99
04/21/04 08:22:21.0	22.99
04/21/04 08:52:21.0	23.02
04/21/04 09:22:21.0	23.02
04/21/04 09:52:21.0	23.02
04/21/04 10:22:21.0	22.85
04/21/04 10:52:21.0	22.66
04/21/04 11:22:21.0	22.68
04/21/04 11:52:21.0	22.66
04/21/04 12:22:21.0	22.63
04/21/04 12:52:21.0	22.66
04/21/04 13:22:21.0	22.73
04/21/04 13:52:21.0	22.80
04/21/04 14:22:21.0	22.94
04/21/04 14:52:21.0	22.87
04/21/04 15:22:21.0	22.85
04/21/04 15:52:21.0	22.80
04/21/04 16:22:21.0	22.80
04/21/04 16:52:21.0	22.82
04/21/04 17:22:21.0	22.85
04/21/04 17:52:21.0	22.90
04/21/04 18:22:21.0	22.92
04/21/04 18:52:21.0	22.94
04/21/04 19:22:21.0	22.92
04/21/04 19:52:21.0	22.90
04/21/04 20:22:21.0	22.85
04/21/04 20:52:21.0	22.85
04/21/04 21:22:21.0	22.85
04/21/04 21:52:21.0	22.85
04/21/04 22:22:21.0	22.85
04/21/04 22:52:21.0	22.85
04/21/04 23:22:21.0	22.85
04/21/04 23:52:21.0	22.85
04/22/04 00:22:21.0	22.85
04/22/04 00:52:21.0	22.85
04/22/04 01:22:21.0	22.85
04/22/04 01:52:21.0	22.85
04/22/04 02:22:21.0	22.85
04/22/04 02:52:21.0	22.85
04/22/04 03:22:21.0	22.82

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/22/04 03:52:21.0	22.78
04/22/04 04:22:21.0	22.78
04/22/04 04:52:21.0	22.78
04/22/04 05:22:21.0	22.75
04/22/04 05:52:21.0	22.75
04/22/04 06:22:21.0	22.92
04/22/04 06:52:21.0	22.92
04/22/04 07:22:21.0	22.80
04/22/04 07:52:21.0	22.87
04/22/04 08:22:21.0	23.02
04/22/04 08:52:21.0	23.06
04/22/04 09:22:21.0	23.02
04/22/04 09:52:21.0	23.06
04/22/04 10:22:21.0	23.04
04/22/04 10:52:21.0	23.11
04/22/04 11:22:21.0	23.21
04/22/04 11:52:21.0	23.26
04/22/04 12:22:21.0	23.26
04/22/04 12:52:21.0	23.26
04/22/04 13:22:21.0	23.23
04/22/04 13:52:21.0	23.23
04/22/04 14:22:21.0	23.21
04/22/04 14:52:21.0	23.21
04/22/04 15:22:21.0	23.18
04/22/04 15:52:21.0	23.16
04/22/04 16:22:21.0	23.16
04/22/04 16:52:21.0	23.16
04/22/04 17:22:21.0	23.14
04/22/04 17:52:21.0	23.11
04/22/04 18:22:21.0	23.11
04/22/04 18:52:21.0	23.06
04/22/04 19:22:21.0	23.06
04/22/04 19:52:21.0	23.11
04/22/04 20:22:21.0	23.14
04/22/04 20:52:21.0	23.14
04/22/04 21:22:21.0	23.14
04/22/04 21:52:21.0	23.16
04/22/04 22:22:21.0	23.16
04/22/04 22:52:21.0	23.16
04/22/04 23:22:21.0	23.16
04/22/04 23:52:21.0	23.16
04/23/04 00:22:21.0	23.16
04/23/04 00:52:21.0	23.14
04/23/04 01:22:21.0	23.14
04/23/04 01:52:21.0	23.11
04/23/04 02:22:21.0	23.11
04/23/04 02:52:21.0	23.11
04/23/04 03:22:21.0	23.14
04/23/04 03:52:21.0	23.14
04/23/04 04:22:21.0	23.14
04/23/04 04:52:21.0	23.14
04/23/04 05:22:21.0	23.14
04/23/04 05:52:21.0	23.14
04/23/04 06:22:21.0	23.11
04/23/04 06:52:21.0	23.02
04/23/04 07:22:21.0	22.97
04/23/04 07:52:21.0	23.06
04/23/04 08:22:21.0	23.11
04/23/04 08:52:21.0	23.16

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/23/04 09:22:21.0	23.21
04/23/04 09:52:21.0	23.21
04/23/04 10:22:21.0	23.21
04/23/04 10:52:21.0	23.21
04/23/04 11:22:21.0	23.21
04/23/04 11:52:21.0	23.23
04/23/04 12:22:21.0	23.21
04/23/04 12:52:21.0	23.23
04/23/04 13:22:21.0	23.21
04/23/04 13:52:21.0	23.21
04/23/04 14:22:21.0	23.23
04/23/04 14:52:21.0	23.26
04/23/04 15:22:21.0	23.26
04/23/04 15:52:21.0	23.26
04/23/04 16:22:21.0	23.26
04/23/04 16:52:21.0	23.23
04/23/04 17:22:21.0	23.23
04/23/04 17:52:21.0	23.21
04/23/04 18:22:21.0	23.18
04/23/04 18:52:21.0	23.18
04/23/04 19:22:21.0	23.18
04/23/04 19:52:21.0	23.18
04/23/04 20:22:21.0	23.21
04/23/04 20:52:21.0	23.21
04/23/04 21:22:21.0	23.21
04/23/04 21:52:21.0	23.21
04/23/04 22:22:21.0	23.21
04/23/04 22:52:21.0	23.21
04/23/04 23:22:21.0	23.21
04/23/04 23:52:21.0	23.21
04/24/04 00:22:21.0	23.14
04/24/04 00:52:21.0	23.09
04/24/04 01:22:21.0	23.16
04/24/04 01:52:21.0	23.16
04/24/04 02:22:21.0	23.16
04/24/04 02:52:21.0	23.16
04/24/04 03:22:21.0	23.18
04/24/04 03:52:21.0	23.18
04/24/04 04:22:21.0	23.18
04/24/04 04:52:21.0	23.14
04/24/04 05:22:21.0	23.11
04/24/04 05:52:21.0	23.11
04/24/04 06:22:21.0	23.11
04/24/04 06:52:21.0	23.11
04/24/04 07:22:21.0	23.09
04/24/04 07:52:21.0	23.09
04/24/04 08:22:21.0	23.09
04/24/04 08:52:21.0	23.06
04/24/04 09:22:21.0	23.09
04/24/04 09:52:21.0	23.09
04/24/04 10:22:21.0	23.06
04/24/04 10:52:21.0	23.09
04/24/04 11:22:21.0	23.11
04/24/04 11:52:21.0	23.11
04/24/04 12:22:21.0	23.14
04/24/04 12:52:21.0	23.23
04/24/04 13:22:21.0	23.35
04/24/04 13:52:21.0	23.40
04/24/04 14:22:21.0	23.40

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/24/04 14:52:21.0	23.38
04/24/04 15:22:21.0	23.09
04/24/04 15:52:21.0	23.11
04/24/04 16:22:21.0	23.14
04/24/04 16:52:21.0	23.09
04/24/04 17:22:21.0	23.09
04/24/04 17:52:21.0	23.09
04/24/04 18:22:21.0	23.11
04/24/04 18:52:21.0	23.09
04/24/04 19:22:21.0	23.11
04/24/04 19:52:21.0	23.09
04/24/04 20:22:21.0	23.09
04/24/04 20:52:21.0	23.09
04/24/04 21:22:21.0	23.06
04/24/04 21:52:21.0	23.04
04/24/04 22:22:21.0	23.06
04/24/04 22:52:21.0	23.06
04/24/04 23:22:21.0	23.06
04/24/04 23:52:21.0	23.06
04/25/04 00:22:21.0	23.06
04/25/04 00:52:21.0	23.06
04/25/04 01:22:21.0	23.09
04/25/04 01:52:21.0	23.09
04/25/04 02:22:21.0	23.11
04/25/04 02:52:21.0	23.11
04/25/04 03:22:21.0	23.11
04/25/04 03:52:21.0	23.14
04/25/04 04:22:21.0	23.14
04/25/04 04:52:21.0	23.18
04/25/04 05:22:21.0	23.18
04/25/04 05:52:21.0	23.18
04/25/04 06:22:21.0	23.16
04/25/04 06:52:21.0	23.16
04/25/04 07:22:21.0	23.16
04/25/04 07:52:21.0	23.14
04/25/04 08:22:21.0	23.14
04/25/04 08:52:21.0	23.14
04/25/04 09:22:21.0	23.16
04/25/04 09:52:21.0	23.16
04/25/04 10:22:21.0	23.16
04/25/04 10:52:21.0	23.14
04/25/04 11:22:21.0	23.11
04/25/04 11:52:21.0	23.11
04/25/04 12:22:21.0	23.09
04/25/04 12:52:21.0	23.09
04/25/04 13:22:21.0	23.14
04/25/04 13:52:21.0	23.11
04/25/04 14:22:21.0	23.11
04/25/04 14:52:21.0	23.14
04/25/04 15:22:21.0	23.16
04/25/04 15:52:21.0	23.16
04/25/04 16:22:21.0	23.14
04/25/04 16:52:21.0	23.11
04/25/04 17:22:21.0	23.11
04/25/04 17:52:21.0	23.11
04/25/04 18:22:21.0	23.14
04/25/04 18:52:21.0	23.16
04/25/04 19:22:21.0	23.21
04/25/04 19:52:21.0	23.21

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/25/04 20:22:21.0	23.11
04/25/04 20:52:21.0	23.11
04/25/04 21:22:21.0	23.11
04/25/04 21:52:21.0	23.14
04/25/04 22:22:21.0	23.14
04/25/04 22:52:21.0	22.94
04/25/04 23:22:21.0	22.92
04/25/04 23:52:21.0	22.92
04/26/04 00:22:21.0	22.99
04/26/04 00:52:21.0	23.02
04/26/04 01:22:21.0	22.99
04/26/04 01:52:21.0	22.99
04/26/04 02:22:21.0	22.99
04/26/04 02:52:21.0	22.94
04/26/04 03:22:21.0	22.63
04/26/04 03:52:21.0	22.68
04/26/04 04:22:21.0	22.68
04/26/04 04:52:21.0	22.68
04/26/04 05:22:21.0	22.63
04/26/04 05:52:21.0	22.61
04/26/04 06:22:21.0	22.61
04/26/04 06:52:21.0	22.61
04/26/04 07:22:21.0	22.61
04/26/04 07:52:21.0	22.63
04/26/04 08:22:21.0	22.63
04/26/04 08:52:21.0	22.68
04/26/04 09:22:21.0	22.73
04/26/04 09:52:21.0	22.73
04/26/04 10:22:21.0	22.75
04/26/04 10:52:21.0	22.78
04/26/04 11:22:21.0	22.78
04/26/04 11:52:21.0	22.78
04/26/04 12:22:21.0	22.78
04/26/04 12:52:21.0	22.80
04/26/04 13:22:21.0	22.82
04/26/04 13:52:21.0	22.82
04/26/04 14:22:21.0	22.82
04/26/04 14:52:21.0	22.82
04/26/04 15:22:21.0	22.82
04/26/04 15:52:21.0	22.82
04/26/04 16:22:21.0	22.85
04/26/04 16:52:21.0	22.85
04/26/04 17:22:21.0	22.85
04/26/04 17:52:21.0	22.85
04/26/04 18:22:21.0	22.85
04/26/04 18:52:21.0	22.85
04/26/04 19:22:21.0	22.85
04/26/04 19:52:21.0	22.75
04/26/04 20:22:21.0	22.75
04/26/04 20:52:21.0	22.75
04/26/04 21:22:21.0	22.75
04/26/04 21:52:21.0	22.75
04/26/04 22:22:21.0	22.75
04/26/04 22:52:21.0	22.75
04/26/04 23:22:21.0	22.75
04/26/04 23:52:21.0	22.75
04/27/04 00:22:21.0	22.75
04/27/04 00:52:21.0	22.75
04/27/04 01:22:21.0	22.75

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/27/04 01:52:21.0	22.73
04/27/04 02:22:21.0	22.71
04/27/04 02:52:21.0	22.73
04/27/04 03:22:21.0	22.73
04/27/04 03:52:21.0	22.73
04/27/04 04:22:21.0	22.73
04/27/04 04:52:21.0	22.71
04/27/04 05:22:21.0	22.71
04/27/04 05:52:21.0	22.71
04/27/04 06:22:21.0	22.71
04/27/04 06:52:21.0	22.71
04/27/04 07:22:21.0	22.71
04/27/04 07:52:21.0	22.73
04/27/04 08:22:21.0	22.73
04/27/04 08:52:21.0	22.71
04/27/04 09:22:21.0	22.47
04/27/04 09:52:21.0	22.42
04/27/04 10:22:21.0	22.44
04/27/04 10:52:21.0	22.44
04/27/04 11:22:21.0	22.49
04/27/04 11:52:21.0	22.54
04/27/04 12:22:21.0	22.56
04/27/04 12:52:21.0	22.63
04/27/04 13:22:21.0	22.68
04/27/04 13:52:21.0	22.75
04/27/04 14:22:21.0	22.85
04/27/04 14:52:21.0	22.87
04/27/04 15:22:21.0	22.90
04/27/04 15:52:21.0	22.92
04/27/04 16:22:21.0	22.92
04/27/04 16:52:21.0	22.94
04/27/04 17:22:21.0	22.97
04/27/04 17:52:21.0	23.04
04/27/04 18:22:21.0	23.09
04/27/04 18:52:21.0	23.06
04/27/04 19:22:21.0	23.06
04/27/04 19:52:21.0	23.04
04/27/04 20:22:21.0	22.92
04/27/04 20:52:21.0	22.92
04/27/04 21:22:21.0	22.82
04/27/04 21:52:21.0	22.80
04/27/04 22:22:21.0	22.78
04/27/04 22:52:21.0	22.78
04/27/04 23:22:21.0	22.73
04/27/04 23:52:21.0	22.71
04/28/04 00:22:21.0	22.71
04/28/04 00:52:21.0	22.71
04/28/04 01:22:21.0	22.71
04/28/04 01:52:21.0	22.71
04/28/04 02:22:21.0	22.73
04/28/04 02:52:21.0	22.73
04/28/04 03:22:21.0	22.73
04/28/04 03:52:21.0	22.73
04/28/04 04:22:21.0	22.73
04/28/04 04:52:21.0	22.73
04/28/04 05:22:21.0	22.73
04/28/04 05:52:21.0	22.73
04/28/04 06:22:21.0	22.73
04/28/04 06:52:21.0	22.73

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/28/04 07:22:21.0	22.73
04/28/04 07:52:21.0	22.75
04/28/04 08:22:21.0	22.73
04/28/04 08:52:21.0	22.75
04/28/04 09:22:21.0	22.75
04/28/04 09:52:21.0	22.78
04/28/04 10:22:21.0	22.78
04/28/04 10:52:21.0	22.78
04/28/04 11:22:21.0	22.82
04/28/04 11:52:21.0	22.85
04/28/04 12:22:21.0	22.82
04/28/04 12:52:21.0	22.85
04/28/04 13:22:21.0	22.85
04/28/04 13:52:21.0	22.90
04/28/04 14:22:21.0	22.90
04/28/04 14:52:21.0	22.97
04/28/04 15:22:21.0	22.97
04/28/04 15:52:21.0	22.99
04/28/04 16:22:21.0	23.04
04/28/04 16:52:21.0	23.02
04/28/04 17:22:21.0	23.04
04/28/04 17:52:21.0	23.09
04/28/04 18:22:21.0	23.11
04/28/04 18:52:21.0	23.14
04/28/04 19:22:21.0	23.14
04/28/04 19:52:21.0	23.14
04/28/04 20:22:21.0	23.14
04/28/04 20:52:21.0	23.11
04/28/04 21:22:21.0	23.09
04/28/04 21:52:21.0	23.09
04/28/04 22:22:21.0	23.09
04/28/04 22:52:21.0	23.09
04/28/04 23:22:21.0	23.09
04/28/04 23:52:21.0	23.06
04/29/04 00:22:21.0	23.09
04/29/04 00:52:21.0	23.11
04/29/04 01:22:21.0	23.11
04/29/04 01:52:21.0	23.11
04/29/04 02:22:21.0	23.11
04/29/04 02:52:21.0	23.11
04/29/04 03:22:21.0	23.14
04/29/04 03:52:21.0	23.14
04/29/04 04:22:21.0	23.14
04/29/04 04:52:21.0	23.11
04/29/04 05:22:21.0	23.11
04/29/04 05:52:21.0	23.09
04/29/04 06:22:21.0	23.06
04/29/04 06:52:21.0	23.06
04/29/04 07:22:21.0	23.06
04/29/04 07:52:21.0	23.06
04/29/04 08:22:21.0	23.06
04/29/04 08:52:21.0	23.09
04/29/04 09:22:21.0	23.11
04/29/04 09:52:21.0	23.11
04/29/04 10:22:21.0	23.14
04/29/04 10:52:21.0	23.18
04/29/04 11:22:21.0	23.21
04/29/04 11:52:21.0	23.21
04/29/04 12:22:21.0	23.26

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/29/04 12:52:21.0	23.26
04/29/04 13:22:21.0	23.28
04/29/04 13:52:21.0	23.26
04/29/04 14:22:21.0	23.26
04/29/04 14:52:21.0	23.26
04/29/04 15:22:21.0	23.23
04/29/04 15:52:21.0	23.21
04/29/04 16:22:21.0	23.21
04/29/04 16:52:21.0	23.18
04/29/04 17:22:21.0	23.16
04/29/04 17:52:21.0	23.16
04/29/04 18:22:21.0	23.16
04/29/04 18:52:21.0	23.16
04/29/04 19:22:21.0	23.18
04/29/04 19:52:21.0	23.18
04/29/04 20:22:21.0	23.18
04/29/04 20:52:21.0	23.18
04/29/04 21:22:21.0	23.18
04/29/04 21:52:21.0	23.18
04/29/04 22:22:21.0	23.18
04/29/04 22:52:21.0	23.18
04/29/04 23:22:21.0	23.16
04/29/04 23:52:21.0	23.14
04/30/04 00:22:21.0	23.11
04/30/04 00:52:21.0	23.11
04/30/04 01:22:21.0	23.09
04/30/04 01:52:21.0	23.09
04/30/04 02:22:21.0	23.09
04/30/04 02:52:21.0	23.09
04/30/04 03:22:21.0	23.09
04/30/04 03:52:21.0	23.06
04/30/04 04:22:21.0	23.06
04/30/04 04:52:21.0	23.06
04/30/04 05:22:21.0	23.06
04/30/04 05:52:21.0	23.04
04/30/04 06:22:21.0	23.04
04/30/04 06:52:21.0	22.99
04/30/04 07:22:21.0	22.99
04/30/04 07:52:21.0	23.04
04/30/04 08:22:21.0	23.06
04/30/04 08:52:21.0	23.06
04/30/04 09:22:21.0	23.06
04/30/04 09:52:21.0	23.02
04/30/04 10:22:21.0	22.97
04/30/04 10:52:21.0	22.94
04/30/04 11:22:21.0	22.97
04/30/04 11:52:21.0	22.97
04/30/04 12:22:21.0	22.97
04/30/04 12:52:21.0	22.97
04/30/04 13:22:21.0	22.99
04/30/04 13:52:21.0	23.04
04/30/04 14:22:21.0	23.09
04/30/04 14:52:21.0	23.16
04/30/04 15:22:21.0	23.16
04/30/04 15:52:21.0	23.23
04/30/04 16:22:21.0	23.28
04/30/04 16:52:21.0	23.28
04/30/04 17:22:21.0	23.21
04/30/04 17:52:21.0	23.23

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
04/30/04 18:22:21.0	23.23
04/30/04 18:52:21.0	23.21
04/30/04 19:22:21.0	23.21
04/30/04 19:52:21.0	23.16
04/30/04 20:22:21.0	23.18
04/30/04 20:52:21.0	23.23
04/30/04 21:22:21.0	23.28
04/30/04 21:52:21.0	23.33
04/30/04 22:22:21.0	23.33
04/30/04 22:52:21.0	23.35
04/30/04 23:22:21.0	23.35
04/30/04 23:52:21.0	23.38
05/01/04 00:22:21.0	23.40
05/01/04 00:52:21.0	23.40
05/01/04 01:22:21.0	23.42
05/01/04 01:52:21.0	23.40
05/01/04 02:22:21.0	23.40
05/01/04 02:52:21.0	23.40
05/01/04 03:22:21.0	23.40
05/01/04 03:52:21.0	23.42
05/01/04 04:22:21.0	23.45
05/01/04 04:52:21.0	23.40
05/01/04 05:22:21.0	23.38
05/01/04 05:52:21.0	23.35
05/01/04 06:22:21.0	23.35
05/01/04 06:52:21.0	23.35
05/01/04 07:22:21.0	23.35
05/01/04 07:52:21.0	23.38
05/01/04 08:22:21.0	23.38
05/01/04 08:52:21.0	23.38
05/01/04 09:22:21.0	23.40
05/01/04 09:52:21.0	23.40
05/01/04 10:22:21.0	23.40
05/01/04 10:52:21.0	23.40
05/01/04 11:22:21.0	23.40
05/01/04 11:52:21.0	23.40
05/01/04 12:22:21.0	23.42
05/01/04 12:52:21.0	23.42
05/01/04 13:22:21.0	23.40
05/01/04 13:52:21.0	23.42
05/01/04 14:22:21.0	23.42
05/01/04 14:52:21.0	23.42
05/01/04 15:22:21.0	23.40
05/01/04 15:52:21.0	23.40
05/01/04 16:22:21.0	23.40
05/01/04 16:52:21.0	23.40
05/01/04 17:22:21.0	23.57
05/01/04 17:52:21.0	23.52
05/01/04 18:22:21.0	23.50
05/01/04 18:52:21.0	23.47
05/01/04 19:22:21.0	23.45
05/01/04 19:52:21.0	23.45
05/01/04 20:22:21.0	23.45
05/01/04 20:52:21.0	23.45
05/01/04 21:22:21.0	23.45
05/01/04 21:52:21.0	23.45
05/01/04 22:22:21.0	23.45
05/01/04 22:52:21.0	23.42
05/01/04 23:22:21.0	23.38

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/01/04 23:52:21.0	23.33
05/02/04 00:22:21.0	23.28
05/02/04 00:52:21.0	23.26
05/02/04 01:22:21.0	23.33
05/02/04 01:52:21.0	23.33
05/02/04 02:22:21.0	23.40
05/02/04 02:52:21.0	23.40
05/02/04 03:22:21.0	23.42
05/02/04 03:52:21.0	23.42
05/02/04 04:22:21.0	23.40
05/02/04 04:52:21.0	23.38
05/02/04 05:22:21.0	23.35
05/02/04 05:52:21.0	23.38
05/02/04 06:22:21.0	23.33
05/02/04 06:52:21.0	23.30
05/02/04 07:22:21.0	23.30
05/02/04 07:52:21.0	23.35
05/02/04 08:22:21.0	23.38
05/02/04 08:52:21.0	23.38
05/02/04 09:22:21.0	23.35
05/02/04 09:52:21.0	23.38
05/02/04 10:22:21.0	23.38
05/02/04 10:52:21.0	23.40
05/02/04 11:22:21.0	23.40
05/02/04 11:52:21.0	23.40
05/02/04 12:22:21.0	23.40
05/02/04 12:52:21.0	23.40
05/02/04 13:22:21.0	23.38
05/02/04 13:52:21.0	23.33
05/02/04 14:22:21.0	23.26
05/02/04 14:52:21.0	23.23
05/02/04 15:22:21.0	23.21
05/02/04 15:52:21.0	23.16
05/02/04 16:22:21.0	23.11
05/02/04 16:52:21.0	23.11
05/02/04 17:22:21.0	23.09
05/02/04 17:52:21.0	23.09
05/02/04 18:22:21.0	23.06
05/02/04 18:52:21.0	23.06
05/02/04 19:22:21.0	23.06
05/02/04 19:52:21.0	23.14
05/02/04 20:22:21.0	23.23
05/02/04 20:52:21.0	23.26
05/02/04 21:22:21.0	23.26
05/02/04 21:52:21.0	23.21
05/02/04 22:22:21.0	23.21
05/02/04 22:52:21.0	23.23
05/02/04 23:22:21.0	23.26
05/02/04 23:52:21.0	23.26
05/03/04 00:22:21.0	23.26
05/03/04 00:52:21.0	23.23
05/03/04 01:22:21.0	23.26
05/03/04 01:52:21.0	23.23
05/03/04 02:22:21.0	23.23
05/03/04 02:52:21.0	23.23
05/03/04 03:22:21.0	23.21
05/03/04 03:52:21.0	23.21
05/03/04 04:22:21.0	23.21
05/03/04 04:52:21.0	23.21

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/03/04 05:22:21.0	23.21
05/03/04 05:52:21.0	23.18
05/03/04 06:22:21.0	23.14
05/03/04 06:52:21.0	23.14
05/03/04 07:22:21.0	23.14
05/03/04 07:52:21.0	23.14
05/03/04 08:22:21.0	23.11
05/03/04 08:52:21.0	23.14
05/03/04 09:22:21.0	23.18
05/03/04 09:52:21.0	23.21
05/03/04 10:22:21.0	23.23
05/03/04 10:52:21.0	23.21
05/03/04 11:22:21.0	23.21
05/03/04 11:52:21.0	23.21
05/03/04 12:22:21.0	23.21
05/03/04 12:52:21.0	23.21
05/03/04 13:22:21.0	23.21
05/03/04 13:52:21.0	23.14
05/03/04 14:22:21.0	23.04
05/03/04 14:52:21.0	23.02
05/03/04 15:22:21.0	22.97
05/03/04 15:52:21.0	22.94
05/03/04 16:22:21.0	22.92
05/03/04 16:52:21.0	22.92
05/03/04 17:22:21.0	22.92
05/03/04 17:52:21.0	22.92
05/03/04 18:22:21.0	22.92
05/03/04 18:52:21.0	22.94
05/03/04 19:22:21.0	22.94
05/03/04 19:52:21.0	22.94
05/03/04 20:22:21.0	22.94
05/03/04 20:52:21.0	22.90
05/03/04 21:22:21.0	22.90
05/03/04 21:52:21.0	22.87
05/03/04 22:22:21.0	22.87
05/03/04 22:52:21.0	22.87
05/03/04 23:22:21.0	22.82
05/03/04 23:52:21.0	22.82
05/04/04 00:22:21.0	22.85
05/04/04 00:52:21.0	22.87
05/04/04 01:22:21.0	22.85
05/04/04 01:52:21.0	22.85
05/04/04 02:22:21.0	22.87
05/04/04 02:52:21.0	22.87
05/04/04 03:22:21.0	22.90
05/04/04 03:52:21.0	22.90
05/04/04 04:22:21.0	22.90
05/04/04 04:52:21.0	22.90
05/04/04 05:22:21.0	22.90
05/04/04 05:52:21.0	22.90
05/04/04 06:22:21.0	22.85
05/04/04 06:52:21.0	22.80
05/04/04 07:22:21.0	22.80
05/04/04 07:52:21.0	22.87
05/04/04 08:22:21.0	22.92
05/04/04 08:52:21.0	22.94
05/04/04 09:22:21.0	22.97
05/04/04 09:52:21.0	22.97
05/04/04 10:22:21.0	22.99

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/04/04 10:52:21.0	23.02
05/04/04 11:22:21.0	23.06
05/04/04 11:52:21.0	23.09
05/04/04 12:22:21.0	23.06
05/04/04 12:52:21.0	23.06
05/04/04 13:22:21.0	23.04
05/04/04 13:52:21.0	23.04
05/04/04 14:22:21.0	23.02
05/04/04 14:52:21.0	22.99
05/04/04 15:22:21.0	22.94
05/04/04 15:52:21.0	22.87
05/04/04 16:22:21.0	22.85
05/04/04 16:52:21.0	22.78
05/04/04 17:22:21.0	22.66
05/04/04 17:52:21.0	22.68
05/04/04 18:22:21.0	22.63
05/04/04 18:52:21.0	22.63
05/04/04 19:22:21.0	22.63
05/04/04 19:52:21.0	22.63
05/04/04 20:22:21.0	22.63
05/04/04 20:52:21.0	22.63
05/04/04 21:22:21.0	22.63
05/04/04 21:52:21.0	22.63
05/04/04 22:22:21.0	22.63
05/04/04 22:52:21.0	22.66
05/04/04 23:22:21.0	22.68
05/04/04 23:52:21.0	22.61
05/05/04 00:22:21.0	22.59
05/05/04 00:52:21.0	22.59
05/05/04 01:22:21.0	22.59
05/05/04 01:52:21.0	22.61
05/05/04 02:22:21.0	22.63
05/05/04 02:52:21.0	22.68
05/05/04 03:22:21.0	22.71
05/05/04 03:52:21.0	22.75
05/05/04 04:22:21.0	22.75
05/05/04 04:52:21.0	22.80
05/05/04 05:22:21.0	22.82
05/05/04 05:52:21.0	22.85
05/05/04 06:22:21.0	22.90
05/05/04 06:52:21.0	22.92
05/05/04 07:22:21.0	22.99
05/05/04 07:52:21.0	23.04
05/05/04 08:22:21.0	23.06
05/05/04 08:52:21.0	23.09
05/05/04 09:22:21.0	23.09
05/05/04 09:52:21.0	23.11
05/05/04 10:22:21.0	23.14
05/05/04 10:52:21.0	23.16
05/05/04 11:22:21.0	23.16
05/05/04 11:52:21.0	23.21
05/05/04 12:22:21.0	23.14
05/05/04 12:52:21.0	23.09
05/05/04 13:22:21.0	23.09
05/05/04 13:52:21.0	23.06
05/05/04 14:22:21.0	23.06
05/05/04 14:52:21.0	23.09
05/05/04 15:22:21.0	23.09
05/05/04 15:52:21.0	23.09

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/05/04 16:22:21.0	23.11
05/05/04 16:52:21.0	23.11
05/05/04 17:22:21.0	23.11
05/05/04 17:52:21.0	23.04
05/05/04 18:22:21.0	23.04
05/05/04 18:52:21.0	23.02
05/05/04 19:22:21.0	23.04
05/05/04 19:52:21.0	23.06
05/05/04 20:22:21.0	23.06
05/05/04 20:52:21.0	23.06
05/05/04 21:22:21.0	23.14
05/05/04 21:52:21.0	23.16
05/05/04 22:22:21.0	23.14
05/05/04 22:52:21.0	23.11
05/05/04 23:22:21.0	23.11
05/05/04 23:52:21.0	23.11
05/06/04 00:22:21.0	23.14
05/06/04 00:52:21.0	23.14
05/06/04 01:22:21.0	23.14
05/06/04 01:52:21.0	23.14
05/06/04 02:22:21.0	23.16
05/06/04 02:52:21.0	23.16
05/06/04 03:22:21.0	23.18
05/06/04 03:52:21.0	23.18
05/06/04 04:22:21.0	23.16
05/06/04 04:52:21.0	23.14
05/06/04 05:22:21.0	23.16
05/06/04 05:52:21.0	23.16
05/06/04 06:22:21.0	23.11
05/06/04 06:52:21.0	23.09
05/06/04 07:22:21.0	23.11
05/06/04 07:52:21.0	23.11
05/06/04 08:22:21.0	23.09
05/06/04 08:52:21.0	23.09
05/06/04 09:22:21.0	23.09
05/06/04 09:52:21.0	23.06
05/06/04 10:22:21.0	23.04
05/06/04 10:52:21.0	23.11
05/06/04 11:22:21.0	23.02
05/06/04 11:52:21.0	22.97
05/06/04 12:22:21.0	23.28
05/06/04 12:52:21.0	23.47
05/06/04 13:22:21.0	23.47
05/06/04 13:52:21.0	23.47
05/06/04 14:22:21.0	23.55
05/06/04 14:52:21.0	23.57
05/06/04 15:22:21.0	23.55
05/06/04 15:52:21.0	23.55
05/06/04 16:22:21.0	23.52
05/06/04 16:52:21.0	23.55
05/06/04 17:22:21.0	23.57
05/06/04 17:52:21.0	23.55
05/06/04 18:22:21.0	23.33
05/06/04 18:52:21.0	23.02
05/06/04 19:22:21.0	22.94
05/06/04 19:52:21.0	22.87
05/06/04 20:22:21.0	22.90
05/06/04 20:52:21.0	22.90
05/06/04 21:22:21.0	22.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/06/04 21:52:21.0	22.92
05/06/04 22:22:21.0	22.92
05/06/04 22:52:21.0	22.92
05/06/04 23:22:21.0	22.92
05/06/04 23:52:21.0	22.92
05/07/04 00:22:21.0	22.90
05/07/04 00:52:21.0	22.92
05/07/04 01:22:21.0	22.99
05/07/04 01:52:21.0	22.99
05/07/04 02:22:21.0	22.97
05/07/04 02:52:21.0	22.99
05/07/04 03:22:21.0	22.99
05/07/04 03:52:21.0	22.99
05/07/04 04:22:21.0	22.99
05/07/04 04:52:21.0	22.99
05/07/04 05:22:21.0	22.99
05/07/04 05:52:21.0	22.99
05/07/04 06:22:21.0	22.99
05/07/04 06:52:21.0	22.99
05/07/04 07:22:21.0	22.99
05/07/04 07:52:21.0	23.02
05/07/04 08:22:21.0	23.02
05/07/04 08:52:21.0	23.04
05/07/04 09:22:21.0	23.04
05/07/04 09:52:21.0	23.09
05/07/04 10:22:21.0	23.11
05/07/04 10:52:21.0	22.94
05/07/04 11:22:21.0	22.94
05/07/04 11:52:21.0	22.97
05/07/04 12:22:21.0	23.04
05/07/04 12:52:21.0	23.11
05/07/04 13:22:21.0	23.21
05/07/04 13:52:21.0	23.35
05/07/04 14:22:21.0	23.45
05/07/04 14:52:21.0	23.40
05/07/04 15:22:21.0	23.35
05/07/04 15:52:21.0	23.16
05/07/04 16:22:21.0	22.87
05/07/04 16:52:21.0	22.80
05/07/04 17:22:21.0	22.75
05/07/04 17:52:21.0	22.78
05/07/04 18:22:21.0	22.73
05/07/04 18:52:21.0	22.71
05/07/04 19:22:21.0	22.73
05/07/04 19:52:21.0	22.66
05/07/04 20:22:21.0	22.66
05/07/04 20:52:21.0	22.73
05/07/04 21:22:21.0	22.87
05/07/04 21:52:21.0	22.90
05/07/04 22:22:21.0	22.71
05/07/04 22:52:21.0	22.71
05/07/04 23:22:21.0	22.68
05/07/04 23:52:21.0	22.68
05/08/04 00:22:21.0	22.71
05/08/04 00:52:21.0	22.71
05/08/04 01:22:21.0	22.73
05/08/04 01:52:21.0	22.78
05/08/04 02:22:21.0	22.75
05/08/04 02:52:21.0	22.73

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/08/04 03:22:21.0	22.73
05/08/04 03:52:21.0	22.75
05/08/04 04:22:21.0	22.75
05/08/04 04:52:21.0	22.75
05/08/04 05:22:21.0	22.78
05/08/04 05:52:21.0	22.78
05/08/04 06:22:21.0	22.78
05/08/04 06:52:21.0	22.78
05/08/04 07:22:21.0	22.68
05/08/04 07:52:21.0	22.66
05/08/04 08:22:21.0	22.66
05/08/04 08:52:21.0	22.68
05/08/04 09:22:21.0	22.71
05/08/04 09:52:21.0	22.73
05/08/04 10:22:21.0	22.80
05/08/04 10:52:21.0	22.94
05/08/04 11:22:21.0	23.14
05/08/04 11:52:21.0	23.33
05/08/04 12:22:21.0	23.55
05/08/04 12:52:21.0	23.62
05/08/04 13:22:21.0	23.67
05/08/04 13:52:21.0	23.67
05/08/04 14:22:21.0	23.69
05/08/04 14:52:21.0	23.71
05/08/04 15:22:21.0	23.74
05/08/04 15:52:21.0	23.76
05/08/04 16:22:21.0	23.76
05/08/04 16:52:21.0	23.79
05/08/04 17:22:21.0	23.76
05/08/04 17:52:21.0	23.74
05/08/04 18:22:21.0	23.76
05/08/04 18:52:21.0	23.81
05/08/04 19:22:21.0	23.79
05/08/04 19:52:21.0	23.79
05/08/04 20:22:21.0	23.64
05/08/04 20:52:21.0	23.64
05/08/04 21:22:21.0	23.50
05/08/04 21:52:21.0	23.50
05/08/04 22:22:21.0	23.55
05/08/04 22:52:21.0	23.50
05/08/04 23:22:21.0	23.50
05/08/04 23:52:21.0	23.50
05/09/04 00:22:21.0	23.86
05/09/04 00:52:21.0	24.12
05/09/04 01:22:21.0	24.12
05/09/04 01:52:21.0	24.10
05/09/04 02:22:21.0	24.03
05/09/04 02:52:21.0	23.95
05/09/04 03:22:21.0	24.00
05/09/04 03:52:21.0	23.98
05/09/04 04:22:21.0	24.03
05/09/04 04:52:21.0	24.10
05/09/04 05:22:21.0	24.10
05/09/04 05:52:21.0	24.03
05/09/04 06:22:21.0	23.88
05/09/04 06:52:21.0	23.79
05/09/04 07:22:21.0	23.91
05/09/04 07:52:21.0	23.93
05/09/04 08:22:21.0	23.95

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/09/04 08:52:21.0	23.98
05/09/04 09:22:21.0	24.12
05/09/04 09:52:21.0	24.17
05/09/04 10:22:21.0	24.20
05/09/04 10:52:21.0	24.20
05/09/04 11:22:21.0	24.27
05/09/04 11:52:21.0	24.29
05/09/04 12:22:21.0	24.29
05/09/04 12:52:21.0	24.29
05/09/04 13:22:21.0	24.27
05/09/04 13:52:21.0	24.27
05/09/04 14:22:21.0	24.27
05/09/04 14:52:21.0	24.27
05/09/04 15:22:21.0	24.24
05/09/04 15:52:21.0	24.24
05/09/04 16:22:21.0	24.27
05/09/04 16:52:21.0	24.27
05/09/04 17:22:21.0	24.20
05/09/04 17:52:21.0	24.20
05/09/04 18:22:21.0	24.22
05/09/04 18:52:21.0	24.22
05/09/04 19:22:21.0	24.22
05/09/04 19:52:21.0	24.22
05/09/04 20:22:21.0	24.22
05/09/04 20:52:21.0	24.20
05/09/04 21:22:21.0	24.17
05/09/04 21:52:21.0	24.07
05/09/04 22:22:21.0	24.10
05/09/04 22:52:21.0	24.07
05/09/04 23:22:21.0	24.10
05/09/04 23:52:21.0	24.27
05/10/04 00:22:21.0	24.29
05/10/04 00:52:21.0	24.29
05/10/04 01:22:21.0	24.29
05/10/04 01:52:21.0	24.29
05/10/04 02:22:21.0	24.29
05/10/04 02:52:21.0	24.29
05/10/04 03:22:21.0	24.27
05/10/04 03:52:21.0	24.27
05/10/04 04:22:21.0	24.27
05/10/04 04:52:21.0	24.27
05/10/04 05:22:21.0	24.27
05/10/04 05:52:21.0	24.27
05/10/04 06:22:21.0	24.27
05/10/04 06:52:21.0	24.27
05/10/04 07:22:21.0	24.27
05/10/04 07:52:21.0	24.27
05/10/04 08:22:21.0	24.27
05/10/04 08:52:21.0	24.29
05/10/04 09:22:21.0	24.29
05/10/04 09:52:21.0	24.29
05/10/04 10:22:21.0	24.27
05/10/04 10:52:21.0	24.29
05/10/04 11:22:21.0	24.29
05/10/04 11:52:21.0	24.29
05/10/04 12:22:21.0	24.32
05/10/04 12:52:21.0	24.32
05/10/04 13:22:21.0	24.34
05/10/04 13:52:21.0	24.34

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/10/04 14:22:21.0	24.34
05/10/04 14:52:21.0	24.34
05/10/04 15:22:21.0	24.32
05/10/04 15:52:21.0	24.32
05/10/04 16:22:21.0	24.32
05/10/04 16:52:21.0	24.32
05/10/04 17:22:21.0	24.32
05/10/04 17:52:21.0	24.32
05/10/04 18:22:21.0	24.29
05/10/04 18:52:21.0	24.10
05/10/04 19:22:21.0	23.81
05/10/04 19:52:21.0	23.83
05/10/04 20:22:21.0	23.88
05/10/04 20:52:21.0	23.86
05/10/04 21:22:21.0	23.79
05/10/04 21:52:21.0	23.79
05/10/04 22:22:21.0	23.76
05/10/04 22:52:21.0	23.76
05/10/04 23:22:21.0	23.74
05/10/04 23:52:21.0	23.74
05/11/04 00:22:21.0	23.76
05/11/04 00:52:21.0	23.81
05/11/04 01:22:21.0	23.81
05/11/04 01:52:21.0	23.83
05/11/04 02:22:21.0	23.83
05/11/04 02:52:21.0	23.88
05/11/04 03:22:21.0	23.86
05/11/04 03:52:21.0	23.86
05/11/04 04:22:21.0	23.88
05/11/04 04:52:21.0	23.88
05/11/04 05:22:21.0	23.91
05/11/04 05:52:21.0	23.93
05/11/04 06:22:21.0	23.93
05/11/04 06:52:21.0	23.98
05/11/04 07:22:21.0	23.98
05/11/04 07:52:21.0	23.98
05/11/04 08:22:21.0	24.00
05/11/04 08:52:21.0	24.07
05/11/04 09:22:21.0	24.07
05/11/04 09:52:21.0	24.07
05/11/04 10:22:21.0	24.07
05/11/04 10:52:21.0	24.12
05/11/04 11:22:21.0	23.81
05/11/04 11:52:21.0	23.81
05/11/04 12:22:21.0	23.76
05/11/04 12:52:21.0	23.71
05/11/04 13:22:21.0	23.50
05/11/04 13:52:21.0	23.45
05/11/04 14:22:21.0	23.30
05/11/04 14:52:21.0	23.33
05/11/04 15:22:21.0	23.14
05/11/04 15:52:21.0	23.06
05/11/04 16:22:21.0	23.09
05/11/04 16:52:21.0	23.09
05/11/04 17:22:21.0	23.09
05/11/04 17:52:21.0	23.06
05/11/04 18:22:21.0	22.92
05/11/04 18:52:21.0	22.94
05/11/04 19:22:21.0	22.99

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/11/04 19:52:21.0	23.26
05/11/04 20:22:21.0	23.35
05/11/04 20:52:21.0	23.52
05/11/04 21:22:21.0	23.11
05/11/04 21:52:21.0	23.09
05/11/04 22:22:21.0	23.02
05/11/04 22:52:21.0	23.04
05/11/04 23:22:21.0	23.04
05/11/04 23:52:21.0	23.09
05/12/04 00:22:21.0	23.11
05/12/04 00:52:21.0	23.06
05/12/04 01:22:21.0	23.09
05/12/04 01:52:21.0	23.11
05/12/04 02:22:21.0	23.09
05/12/04 02:52:21.0	23.11
05/12/04 03:22:21.0	23.09
05/12/04 03:52:21.0	23.11
05/12/04 04:22:21.0	23.11
05/12/04 04:52:21.0	22.90
05/12/04 05:22:21.0	22.87
05/12/04 05:52:21.0	22.90
05/12/04 06:22:21.0	22.90
05/12/04 06:52:21.0	22.92
05/12/04 07:22:21.0	22.94
05/12/04 07:52:21.0	22.97
05/12/04 08:22:21.0	23.11
05/12/04 08:52:21.0	23.11
05/12/04 09:22:21.0	23.18
05/12/04 09:52:21.0	23.26
05/12/04 10:22:21.0	23.33
05/12/04 10:52:21.0	23.45
05/12/04 11:22:21.0	23.55
05/12/04 11:52:21.0	23.55
05/12/04 12:22:21.0	23.59
05/12/04 12:52:21.0	23.64
05/12/04 13:22:21.0	23.35
05/12/04 13:52:21.0	23.42
05/12/04 14:22:21.0	23.45
05/12/04 14:52:21.0	23.50
05/12/04 15:22:21.0	23.69
05/12/04 15:52:21.0	23.76
05/12/04 16:22:21.0	24.29
05/12/04 16:52:21.0	24.27
05/12/04 17:22:21.0	24.27
05/12/04 17:52:21.0	24.27
05/12/04 18:22:21.0	24.29
05/12/04 18:52:21.0	24.27
05/12/04 19:22:21.0	24.27
05/12/04 19:52:21.0	24.27
05/12/04 20:22:21.0	24.27
05/12/04 20:52:21.0	24.27
05/12/04 21:22:21.0	24.29
05/12/04 21:52:21.0	24.29
05/12/04 22:22:21.0	24.29
05/12/04 22:52:21.0	24.32
05/12/04 23:22:21.0	24.32
05/12/04 23:52:21.0	24.32
05/13/04 00:22:21.0	24.32
05/13/04 00:52:21.0	24.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/13/04 01:22:21.0	24.32
05/13/04 01:52:21.0	24.32
05/13/04 02:22:21.0	24.20
05/13/04 02:52:21.0	23.98
05/13/04 03:22:21.0	24.03
05/13/04 03:52:21.0	24.00
05/13/04 04:22:21.0	23.91
05/13/04 04:52:21.0	23.91
05/13/04 05:22:21.0	23.93
05/13/04 05:52:21.0	23.93
05/13/04 06:22:21.0	23.98
05/13/04 06:52:21.0	24.03
05/13/04 07:22:21.0	23.91
05/13/04 07:52:21.0	23.93
05/13/04 08:22:21.0	24.03
05/13/04 08:52:21.0	24.05
05/13/04 09:22:21.0	24.07
05/13/04 09:52:21.0	24.05
05/13/04 10:22:21.0	24.07
05/13/04 10:52:21.0	24.10
05/13/04 11:22:21.0	24.10
05/13/04 11:52:21.0	24.12
05/13/04 12:22:21.0	24.15
05/13/04 12:52:21.0	24.17
05/13/04 13:22:21.0	24.20
05/13/04 13:52:21.0	24.20
05/13/04 14:22:21.0	24.20
05/13/04 14:52:21.0	24.20
05/13/04 15:22:21.0	24.22
05/13/04 15:52:21.0	24.24
05/13/04 16:22:21.0	24.24
05/13/04 16:52:21.0	24.24
05/13/04 17:22:21.0	24.24
05/13/04 17:52:21.0	24.27
05/13/04 18:22:21.0	24.22
05/13/04 18:52:21.0	24.12
05/13/04 19:22:21.0	24.12
05/13/04 19:52:21.0	24.12
05/13/04 20:22:21.0	24.10
05/13/04 20:52:21.0	24.12
05/13/04 21:22:21.0	24.12
05/13/04 21:52:21.0	24.12
05/13/04 22:22:21.0	24.17
05/13/04 22:52:21.0	24.17
05/13/04 23:22:21.0	24.17
05/13/04 23:52:21.0	24.17
05/14/04 00:22:21.0	24.17
05/14/04 00:52:21.0	24.20
05/14/04 01:22:21.0	24.20
05/14/04 01:52:21.0	24.20
05/14/04 02:22:21.0	24.20
05/14/04 02:52:21.0	24.20
05/14/04 03:22:21.0	24.20
05/14/04 03:52:21.0	24.20
05/14/04 04:22:21.0	24.07
05/14/04 04:52:21.0	24.10
05/14/04 05:22:21.0	24.12
05/14/04 05:52:21.0	24.12
05/14/04 06:22:21.0	24.15

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/14/04 06:52:21.0	24.15
05/14/04 07:22:21.0	24.17
05/14/04 07:52:21.0	24.22
05/14/04 08:22:21.0	24.22
05/14/04 08:52:21.0	24.22
05/14/04 09:22:21.0	24.22
05/14/04 09:52:21.0	24.22
05/14/04 10:22:21.0	24.24
05/14/04 10:52:21.0	24.27
05/14/04 11:22:21.0	24.29
05/14/04 11:52:21.0	24.29
05/14/04 12:22:21.0	24.29
05/14/04 12:52:21.0	24.32
05/14/04 13:22:21.0	24.32
05/14/04 13:52:21.0	24.34
05/14/04 14:22:21.0	24.34
05/14/04 14:52:21.0	24.34
05/14/04 15:22:21.0	24.29
05/14/04 15:52:21.0	24.29
05/14/04 16:22:21.0	24.29
05/14/04 16:52:21.0	24.27
05/14/04 17:22:21.0	24.24
05/14/04 17:52:21.0	24.27
05/14/04 18:22:21.0	24.27
05/14/04 18:52:21.0	24.27
05/14/04 19:22:21.0	24.27
05/14/04 19:52:21.0	24.22
05/14/04 20:22:21.0	24.22
05/14/04 20:52:21.0	24.22
05/14/04 21:22:21.0	24.22
05/14/04 21:52:21.0	24.22
05/14/04 22:22:21.0	24.22
05/14/04 22:52:21.0	24.22
05/14/04 23:22:21.0	24.22
05/14/04 23:52:21.0	24.22
05/15/04 00:22:21.0	24.22
05/15/04 00:52:21.0	24.12
05/15/04 01:22:21.0	24.12
05/15/04 01:52:21.0	24.12
05/15/04 02:22:21.0	24.12
05/15/04 02:52:21.0	24.12
05/15/04 03:22:21.0	24.15
05/15/04 03:52:21.0	24.17
05/15/04 04:22:21.0	24.15
05/15/04 04:52:21.0	24.17
05/15/04 05:22:21.0	23.88
05/15/04 05:52:21.0	23.88
05/15/04 06:22:21.0	23.91
05/15/04 06:52:21.0	23.93
05/15/04 07:22:21.0	23.93
05/15/04 07:52:21.0	23.93
05/15/04 08:22:21.0	23.95
05/15/04 08:52:21.0	23.95
05/15/04 09:22:21.0	23.98
05/15/04 09:52:21.0	24.03
05/15/04 10:22:21.0	24.03
05/15/04 10:52:21.0	24.03
05/15/04 11:22:21.0	24.05
05/15/04 11:52:21.0	24.10

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/15/04 12:22:21.0	24.07
05/15/04 12:52:21.0	24.07
05/15/04 13:22:21.0	24.05
05/15/04 13:52:21.0	24.03
05/15/04 14:22:21.0	23.98
05/15/04 14:52:21.0	24.03
05/15/04 15:22:21.0	24.03
05/15/04 15:52:21.0	24.05
05/15/04 16:22:21.0	24.05
05/15/04 16:52:21.0	24.07
05/15/04 17:22:21.0	24.07
05/15/04 17:52:21.0	24.07
05/15/04 18:22:21.0	24.05
05/15/04 18:52:21.0	24.05
05/15/04 19:22:21.0	24.05
05/15/04 19:52:21.0	24.05
05/15/04 20:22:21.0	24.05
05/15/04 20:52:21.0	24.07
05/15/04 21:22:21.0	24.05
05/15/04 21:52:21.0	24.07
05/15/04 22:22:21.0	24.07
05/15/04 22:52:21.0	24.10
05/15/04 23:22:21.0	24.10
05/15/04 23:52:21.0	24.10
05/16/04 00:22:21.0	23.88
05/16/04 00:52:21.0	23.40
05/16/04 01:22:21.0	23.55
05/16/04 01:52:21.0	23.52
05/16/04 02:22:21.0	23.06
05/16/04 02:52:21.0	23.16
05/16/04 03:22:21.0	23.16
05/16/04 03:52:21.0	23.18
05/16/04 04:22:21.0	23.23
05/16/04 04:52:21.0	23.28
05/16/04 05:22:21.0	23.26
05/16/04 05:52:21.0	23.26
05/16/04 06:22:21.0	23.30
05/16/04 06:52:21.0	23.33
05/16/04 07:22:21.0	23.33
05/16/04 07:52:21.0	23.35
05/16/04 08:22:21.0	23.42
05/16/04 08:52:21.0	23.47
05/16/04 09:22:21.0	23.52
05/16/04 09:52:21.0	23.47
05/16/04 10:22:21.0	23.52
05/16/04 10:52:21.0	23.55
05/16/04 11:22:21.0	23.26
05/16/04 11:52:21.0	23.38
05/16/04 12:22:21.0	23.38
05/16/04 12:52:21.0	23.35
05/16/04 13:22:21.0	23.26
05/16/04 13:52:21.0	23.02
05/16/04 14:22:21.0	22.94
05/16/04 14:52:21.0	22.99
05/16/04 15:22:21.0	23.04
05/16/04 15:52:21.0	23.02
05/16/04 16:22:21.0	23.06
05/16/04 16:52:21.0	23.06
05/16/04 17:22:21.0	22.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/16/04 17:52:21.0	22.87
05/16/04 18:22:21.0	22.87
05/16/04 18:52:21.0	22.87
05/16/04 19:22:21.0	22.90
05/16/04 19:52:21.0	22.90
05/16/04 20:22:21.0	22.78
05/16/04 20:52:21.0	22.75
05/16/04 21:22:21.0	22.78
05/16/04 21:52:21.0	22.78
05/16/04 22:22:21.0	22.78
05/16/04 22:52:21.0	22.75
05/16/04 23:22:21.0	22.78
05/16/04 23:52:21.0	22.78
05/17/04 00:22:21.0	22.82
05/17/04 00:52:21.0	22.85
05/17/04 01:22:21.0	22.87
05/17/04 01:52:21.0	22.78
05/17/04 02:22:21.0	22.75
05/17/04 02:52:21.0	22.73
05/17/04 03:22:21.0	22.73
05/17/04 03:52:21.0	22.80
05/17/04 04:22:21.0	22.80
05/17/04 04:52:21.0	22.82
05/17/04 05:22:21.0	22.85
05/17/04 05:52:21.0	22.87
05/17/04 06:22:21.0	22.73
05/17/04 06:52:21.0	22.87
05/17/04 07:22:21.0	22.90
05/17/04 07:52:21.0	23.04
05/17/04 08:22:21.0	23.09
05/17/04 08:52:21.0	23.09
05/17/04 09:22:21.0	23.26
05/17/04 09:52:21.0	23.23
05/17/04 10:22:21.0	23.26
05/17/04 10:52:21.0	23.28
05/17/04 11:22:21.0	23.30
05/17/04 11:52:21.0	23.30
05/17/04 12:22:21.0	23.33
05/17/04 12:52:21.0	23.26
05/17/04 13:22:21.0	22.99
05/17/04 13:52:21.0	22.97
05/17/04 14:22:21.0	22.94
05/17/04 14:52:21.0	22.87
05/17/04 15:22:21.0	22.92
05/17/04 15:52:21.0	22.90
05/17/04 16:22:21.0	22.90
05/17/04 16:52:21.0	22.92
05/17/04 17:22:21.0	22.87
05/17/04 17:52:21.0	22.80
05/17/04 18:22:21.0	22.78
05/17/04 18:52:21.0	22.73
05/17/04 19:22:21.0	22.68
05/17/04 19:52:21.0	22.68
05/17/04 20:22:21.0	22.68
05/17/04 20:52:21.0	22.71
05/17/04 21:22:21.0	22.73
05/17/04 21:52:21.0	22.73
05/17/04 22:22:21.0	22.73
05/17/04 22:52:21.0	22.75

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/17/04 23:22:21.0	22.78
05/17/04 23:52:21.0	22.78
05/18/04 00:22:21.0	22.82
05/18/04 00:52:21.0	22.87
05/18/04 01:22:21.0	22.87
05/18/04 01:52:21.0	22.87
05/18/04 02:22:21.0	22.92
05/18/04 02:52:21.0	23.04
05/18/04 03:22:21.0	23.04
05/18/04 03:52:21.0	22.99
05/18/04 04:22:21.0	22.92
05/18/04 04:52:21.0	22.90
05/18/04 05:22:21.0	22.80
05/18/04 05:52:21.0	22.80
05/18/04 06:22:21.0	22.80
05/18/04 06:52:21.0	22.80
05/18/04 07:22:21.0	22.82
05/18/04 07:52:21.0	22.82
05/18/04 08:22:21.0	22.85
05/18/04 08:52:21.0	22.87
05/18/04 09:22:21.0	22.90
05/18/04 09:52:21.0	22.87
05/18/04 10:22:21.0	22.87
05/18/04 10:52:21.0	22.90
05/18/04 11:22:21.0	22.94
05/18/04 11:52:21.0	22.97
05/18/04 12:22:21.0	23.02
05/18/04 12:52:21.0	23.04
05/18/04 13:22:21.0	23.04
05/18/04 13:52:21.0	23.06
05/18/04 14:22:21.0	23.09
05/18/04 14:52:21.0	23.14
05/18/04 15:22:21.0	23.14
05/18/04 15:52:21.0	23.09
05/18/04 16:22:21.0	22.90
05/18/04 16:52:21.0	22.90
05/18/04 17:22:21.0	22.94
05/18/04 17:52:21.0	22.97
05/18/04 18:22:21.0	22.94
05/18/04 18:52:21.0	22.94
05/18/04 19:22:21.0	22.94
05/18/04 19:52:21.0	22.92
05/18/04 20:22:21.0	22.92
05/18/04 20:52:21.0	22.92
05/18/04 21:22:21.0	22.92
05/18/04 21:52:21.0	22.92
05/18/04 22:22:21.0	22.92
05/18/04 22:52:21.0	22.92
05/18/04 23:22:21.0	22.92
05/18/04 23:52:21.0	22.94
05/19/04 00:22:21.0	22.94
05/19/04 00:52:21.0	22.94
05/19/04 01:22:21.0	22.94
05/19/04 01:52:21.0	22.94
05/19/04 02:22:21.0	22.97
05/19/04 02:52:21.0	22.99
05/19/04 03:22:21.0	22.97
05/19/04 03:52:21.0	22.78
05/19/04 04:22:21.0	22.78

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/19/04 04:52:21.0	22.78
05/19/04 05:22:21.0	22.85
05/19/04 05:52:21.0	22.80
05/19/04 06:22:21.0	22.78
05/19/04 06:52:21.0	22.73
05/19/04 07:22:21.0	22.75
05/19/04 07:52:21.0	22.75
05/19/04 08:22:21.0	22.80
05/19/04 08:52:21.0	22.85
05/19/04 09:22:21.0	22.90
05/19/04 09:52:21.0	22.90
05/19/04 10:22:21.0	22.92
05/19/04 10:52:21.0	22.92
05/19/04 11:22:21.0	22.94
05/19/04 11:52:21.0	22.94
05/19/04 12:22:21.0	22.97
05/19/04 12:52:21.0	22.97
05/19/04 13:22:21.0	22.99
05/19/04 13:52:21.0	23.02
05/19/04 14:22:21.0	23.04
05/19/04 14:52:21.0	23.04
05/19/04 15:22:21.0	23.04
05/19/04 15:52:21.0	23.04
05/19/04 16:22:21.0	23.04
05/19/04 16:52:21.0	22.97
05/19/04 17:22:21.0	22.75
05/19/04 17:52:21.0	22.75
05/19/04 18:22:21.0	22.73
05/19/04 18:52:21.0	22.68
05/19/04 19:22:21.0	22.66
05/19/04 19:52:21.0	22.63
05/19/04 20:22:21.0	22.61
05/19/04 20:52:21.0	22.63
05/19/04 21:22:21.0	22.63
05/19/04 21:52:21.0	22.66
05/19/04 22:22:21.0	22.68
05/19/04 22:52:21.0	22.68
05/19/04 23:22:21.0	22.68
05/19/04 23:52:21.0	22.71
05/20/04 00:22:21.0	22.73
05/20/04 00:52:21.0	22.71
05/20/04 01:22:21.0	22.73
05/20/04 01:52:21.0	22.73
05/20/04 02:22:21.0	22.73
05/20/04 02:52:21.0	22.75
05/20/04 03:22:21.0	22.75
05/20/04 03:52:21.0	22.75
05/20/04 04:22:21.0	22.78
05/20/04 04:52:21.0	22.78
05/20/04 05:22:21.0	22.78
05/20/04 05:52:21.0	22.78
05/20/04 06:22:21.0	22.80
05/20/04 06:52:21.0	22.78
05/20/04 07:22:21.0	22.54
05/20/04 07:52:21.0	22.59
05/20/04 08:22:21.0	22.59
05/20/04 08:52:21.0	22.59
05/20/04 09:22:21.0	22.61
05/20/04 09:52:21.0	22.66

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/20/04 10:22:21.0	22.66
05/20/04 10:52:21.0	22.71
05/20/04 11:22:21.0	22.73
05/20/04 11:52:21.0	22.75
05/20/04 12:22:21.0	22.80
05/20/04 12:52:21.0	22.85
05/20/04 13:22:21.0	22.87
05/20/04 13:52:21.0	22.90
05/20/04 14:22:21.0	22.94
05/20/04 14:52:21.0	22.94
05/20/04 15:22:21.0	22.99
05/20/04 15:52:21.0	22.97
05/20/04 16:22:21.0	22.94
05/20/04 16:52:21.0	22.94
05/20/04 17:22:21.0	22.63
05/20/04 17:52:21.0	22.54
05/20/04 18:22:21.0	22.49
05/20/04 18:52:21.0	22.39
05/20/04 19:22:21.0	22.30
05/20/04 19:52:21.0	22.35
05/20/04 20:22:21.0	22.35
05/20/04 20:52:21.0	22.37
05/20/04 21:22:21.0	22.37
05/20/04 21:52:21.0	22.42
05/20/04 22:22:21.0	22.42
05/20/04 22:52:21.0	22.44
05/20/04 23:22:21.0	22.47
05/20/04 23:52:21.0	22.54
05/21/04 00:22:21.0	22.51
05/21/04 00:52:21.0	22.54
05/21/04 01:22:21.0	22.54
05/21/04 01:52:21.0	22.54
05/21/04 02:22:21.0	22.56
05/21/04 02:52:21.0	22.54
05/21/04 03:22:21.0	22.56
05/21/04 03:52:21.0	22.59
05/21/04 04:22:21.0	22.59
05/21/04 04:52:21.0	22.61
05/21/04 05:22:21.0	22.49
05/21/04 05:52:21.0	22.56
05/21/04 06:22:21.0	22.56
05/21/04 06:52:21.0	22.56
05/21/04 07:22:21.0	22.56
05/21/04 07:52:21.0	22.59
05/21/04 08:22:21.0	22.61
05/21/04 08:52:21.0	22.63
05/21/04 09:22:21.0	22.66
05/21/04 09:52:21.0	22.71
05/21/04 10:22:21.0	22.71
05/21/04 10:52:21.0	22.73
05/21/04 11:22:21.0	22.78
05/21/04 11:52:21.0	22.80
05/21/04 12:22:21.0	22.82
05/21/04 12:52:21.0	22.87
05/21/04 13:22:21.0	22.90
05/21/04 13:52:21.0	22.94
05/21/04 14:22:21.0	22.99
05/21/04 14:52:21.0	22.99
05/21/04 15:22:21.0	22.99

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/21/04 15:52:21.0	23.02
05/21/04 16:22:21.0	23.04
05/21/04 16:52:21.0	23.06
05/21/04 17:22:21.0	23.06
05/21/04 17:52:21.0	23.09
05/21/04 18:22:21.0	23.06
05/21/04 18:52:21.0	22.87
05/21/04 19:22:21.0	22.85
05/21/04 19:52:21.0	22.87
05/21/04 20:22:21.0	22.85
05/21/04 20:52:21.0	22.87
05/21/04 21:22:21.0	22.87
05/21/04 21:52:21.0	22.87
05/21/04 22:22:21.0	22.87
05/21/04 22:52:21.0	22.85
05/21/04 23:22:21.0	22.87
05/21/04 23:52:21.0	22.85
05/22/04 00:22:21.0	22.85
05/22/04 00:52:21.0	22.85
05/22/04 01:22:21.0	22.87
05/22/04 01:52:21.0	22.71
05/22/04 02:22:21.0	22.73
05/22/04 02:52:21.0	22.73
05/22/04 03:22:21.0	22.73
05/22/04 03:52:21.0	22.78
05/22/04 04:22:21.0	22.78
05/22/04 04:52:21.0	22.80
05/22/04 05:22:21.0	22.85
05/22/04 05:52:21.0	22.90
05/22/04 06:22:21.0	22.90
05/22/04 06:52:21.0	22.90
05/22/04 07:22:21.0	22.92
05/22/04 07:52:21.0	22.94
05/22/04 08:22:21.0	23.06
05/22/04 08:52:21.0	23.14
05/22/04 09:22:21.0	23.18
05/22/04 09:52:21.0	23.42
05/22/04 10:22:21.0	23.47
05/22/04 10:52:21.0	23.67
05/22/04 11:22:21.0	23.71
05/22/04 11:52:21.0	23.74
05/22/04 12:22:21.0	23.86
05/22/04 12:52:21.0	23.86
05/22/04 13:22:21.0	23.88
05/22/04 13:52:21.0	23.91
05/22/04 14:22:21.0	23.95
05/22/04 14:52:21.0	23.88
05/22/04 15:22:21.0	23.04
05/22/04 15:52:21.0	22.97
05/22/04 16:22:21.0	22.90
05/22/04 16:52:21.0	22.92
05/22/04 17:22:21.0	22.94
05/22/04 17:52:21.0	22.97
05/22/04 18:22:21.0	22.97
05/22/04 18:52:21.0	22.99
05/22/04 19:22:21.0	23.02
05/22/04 19:52:21.0	22.99
05/22/04 20:22:21.0	23.02
05/22/04 20:52:21.0	22.75

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/22/04 21:22:21.0	22.75
05/22/04 21:52:21.0	22.73
05/22/04 22:22:21.0	22.73
05/22/04 22:52:21.0	22.75
05/22/04 23:22:21.0	22.80
05/22/04 23:52:21.0	23.09
05/23/04 00:22:21.0	23.06
05/23/04 00:52:21.0	23.06
05/23/04 01:22:21.0	23.09
05/23/04 01:52:21.0	23.09
05/23/04 02:22:21.0	23.09
05/23/04 02:52:21.0	23.11
05/23/04 03:22:21.0	23.09
05/23/04 03:52:21.0	23.11
05/23/04 04:22:21.0	23.11
05/23/04 04:52:21.0	23.14
05/23/04 05:22:21.0	23.16
05/23/04 05:52:21.0	23.18
05/23/04 06:22:21.0	23.21
05/23/04 06:52:21.0	23.21
05/23/04 07:22:21.0	23.23
05/23/04 07:52:21.0	23.26
05/23/04 08:22:21.0	23.28
05/23/04 08:52:21.0	23.30
05/23/04 09:22:21.0	23.30
05/23/04 09:52:21.0	23.33
05/23/04 10:22:21.0	23.35
05/23/04 10:52:21.0	23.35
05/23/04 11:22:21.0	23.40
05/23/04 11:52:21.0	23.42
05/23/04 12:22:21.0	23.45
05/23/04 12:52:21.0	23.47
05/23/04 13:22:21.0	23.47
05/23/04 13:52:21.0	23.52
05/23/04 14:22:21.0	23.55
05/23/04 14:52:21.0	23.57
05/23/04 15:22:21.0	23.57
05/23/04 15:52:21.0	23.59
05/23/04 16:22:21.0	23.62
05/23/04 16:52:21.0	23.64
05/23/04 17:22:21.0	23.64
05/23/04 17:52:21.0	23.79
05/23/04 18:22:21.0	23.88
05/23/04 18:52:21.0	23.91
05/23/04 19:22:21.0	23.83
05/23/04 19:52:21.0	23.59
05/23/04 20:22:21.0	23.40
05/23/04 20:52:21.0	23.38
05/23/04 21:22:21.0	23.35
05/23/04 21:52:21.0	23.35
05/23/04 22:22:21.0	23.38
05/23/04 22:52:21.0	23.40
05/23/04 23:22:21.0	23.40
05/23/04 23:52:21.0	23.40
05/24/04 00:22:21.0	23.40
05/24/04 00:52:21.0	23.42
05/24/04 01:22:21.0	23.42
05/24/04 01:52:21.0	23.42
05/24/04 02:22:21.0	23.45

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/24/04 02:52:21.0	23.45
05/24/04 03:22:21.0	23.42
05/24/04 03:52:21.0	23.47
05/24/04 04:22:21.0	23.47
05/24/04 04:52:21.0	23.40
05/24/04 05:22:21.0	23.38
05/24/04 05:52:21.0	23.40
05/24/04 06:22:21.0	23.42
05/24/04 06:52:21.0	23.42
05/24/04 07:22:21.0	23.42
05/24/04 07:52:21.0	23.50
05/24/04 08:22:21.0	23.55
05/24/04 08:52:21.0	23.52
05/24/04 09:22:21.0	23.55
05/24/04 09:52:21.0	23.57
05/24/04 10:22:21.0	23.57
05/24/04 10:52:21.0	23.59
05/24/04 11:22:21.0	23.59
05/24/04 11:52:21.0	23.62
05/24/04 12:22:21.0	23.62
05/24/04 12:52:21.0	23.64
05/24/04 13:22:21.0	23.64
05/24/04 13:52:21.0	23.69
05/24/04 14:22:21.0	23.69
05/24/04 14:52:21.0	23.71
05/24/04 15:22:21.0	23.74
05/24/04 15:52:21.0	23.74
05/24/04 16:22:21.0	23.74
05/24/04 16:52:21.0	23.76
05/24/04 17:22:21.0	23.76
05/24/04 17:52:21.0	23.76
05/24/04 18:22:21.0	23.76
05/24/04 18:52:21.0	23.76
05/24/04 19:22:21.0	23.74
05/24/04 19:52:21.0	23.74
05/24/04 20:22:21.0	23.76
05/24/04 20:52:21.0	23.74
05/24/04 21:22:21.0	23.76
05/24/04 21:52:21.0	23.76
05/24/04 22:22:21.0	23.76
05/24/04 22:52:21.0	23.76
05/24/04 23:22:21.0	23.76
05/24/04 23:52:21.0	23.76
05/25/04 00:22:21.0	23.76
05/25/04 00:52:21.0	23.76
05/25/04 01:22:21.0	23.76
05/25/04 01:52:21.0	23.76
05/25/04 02:22:21.0	23.76
05/25/04 02:52:21.0	23.28
05/25/04 03:22:21.0	23.30
05/25/04 03:52:21.0	23.23
05/25/04 04:22:21.0	23.21
05/25/04 04:52:21.0	23.23
05/25/04 05:22:21.0	23.23
05/25/04 05:52:21.0	23.23
05/25/04 06:22:21.0	23.28
05/25/04 06:52:21.0	23.26
05/25/04 07:22:21.0	23.28
05/25/04 07:52:21.0	23.33

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/25/04 08:22:21.0	23.33
05/25/04 08:52:21.0	23.35
05/25/04 09:22:21.0	23.40
05/25/04 09:52:21.0	23.35
05/25/04 10:22:21.0	23.35
05/25/04 10:52:21.0	23.38
05/25/04 11:22:21.0	23.40
05/25/04 11:52:21.0	23.28
05/25/04 12:22:21.0	23.30
05/25/04 12:52:21.0	23.33
05/25/04 13:22:21.0	23.35
05/25/04 13:52:21.0	23.40
05/25/04 14:22:21.0	23.42
05/25/04 14:52:21.0	23.45
05/25/04 15:22:21.0	23.45
05/25/04 15:52:21.0	23.45
05/25/04 16:22:21.0	23.47
05/25/04 16:52:21.0	23.50
05/25/04 17:22:21.0	23.50
05/25/04 17:52:21.0	23.52
05/25/04 18:22:21.0	23.52
05/25/04 18:52:21.0	23.52
05/25/04 19:22:21.0	23.52
05/25/04 19:52:21.0	23.52
05/25/04 20:22:21.0	23.55
05/25/04 20:52:21.0	23.55
05/25/04 21:22:21.0	23.52
05/25/04 21:52:21.0	23.55
05/25/04 22:22:21.0	23.52
05/25/04 22:52:21.0	23.52
05/25/04 23:22:21.0	23.52
05/25/04 23:52:21.0	23.52
05/26/04 00:22:21.0	23.52
05/26/04 00:52:21.0	22.97
05/26/04 01:22:21.0	22.85
05/26/04 01:52:21.0	22.90
05/26/04 02:22:21.0	22.90
05/26/04 02:52:21.0	22.94
05/26/04 03:22:21.0	22.97
05/26/04 03:52:21.0	23.06
05/26/04 04:22:21.0	23.21
05/26/04 04:52:21.0	23.28
05/26/04 05:22:21.0	23.30
05/26/04 05:52:21.0	23.30
05/26/04 06:22:21.0	23.33
05/26/04 06:52:21.0	23.33
05/26/04 07:22:21.0	23.23
05/26/04 07:52:21.0	23.09
05/26/04 08:22:21.0	23.21
05/26/04 08:52:21.0	23.02
05/26/04 09:22:21.0	23.18
05/26/04 09:52:21.0	23.18
05/26/04 10:22:21.0	23.33
05/26/04 10:52:21.0	23.42
05/26/04 11:22:21.0	23.55
05/26/04 11:52:21.0	23.67
05/26/04 12:22:21.0	23.69
05/26/04 12:52:21.0	23.71
05/26/04 13:22:21.0	23.74

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/26/04 13:52:21.0	23.76
05/26/04 14:22:21.0	23.81
05/26/04 14:52:21.0	23.83
05/26/04 15:22:21.0	23.91
05/26/04 15:52:21.0	23.88
05/26/04 16:22:21.0	23.91
05/26/04 16:52:21.0	23.93
05/26/04 17:22:21.0	23.95
05/26/04 17:52:21.0	23.95
05/26/04 18:22:21.0	23.95
05/26/04 18:52:21.0	23.95
05/26/04 19:22:21.0	23.91
05/26/04 19:52:21.0	23.93
05/26/04 20:22:21.0	23.69
05/26/04 20:52:21.0	23.52
05/26/04 21:22:21.0	23.45
05/26/04 21:52:21.0	23.47
05/26/04 22:22:21.0	23.50
05/26/04 22:52:21.0	23.52
05/26/04 23:22:21.0	23.50
05/26/04 23:52:21.0	23.52
05/27/04 00:22:21.0	23.52
05/27/04 00:52:21.0	23.55
05/27/04 01:22:21.0	23.57
05/27/04 01:52:21.0	23.57
05/27/04 02:22:21.0	23.57
05/27/04 02:52:21.0	23.59
05/27/04 03:22:21.0	23.57
05/27/04 03:52:21.0	23.59
05/27/04 04:22:21.0	23.62
05/27/04 04:52:21.0	23.59
05/27/04 05:22:21.0	23.62
05/27/04 05:52:21.0	23.64
05/27/04 06:22:21.0	23.59
05/27/04 06:52:21.0	23.55
05/27/04 07:22:21.0	23.42
05/27/04 07:52:21.0	23.35
05/27/04 08:22:21.0	23.38
05/27/04 08:52:21.0	23.38
05/27/04 09:22:21.0	23.40
05/27/04 09:52:21.0	23.45
05/27/04 10:22:21.0	23.45
05/27/04 10:52:21.0	23.50
05/27/04 11:22:21.0	23.55
05/27/04 11:52:21.0	23.55
05/27/04 12:22:21.0	23.57
05/27/04 12:52:21.0	23.57
05/27/04 13:22:21.0	23.62
05/27/04 13:52:21.0	23.67
05/27/04 14:22:21.0	23.69
05/27/04 14:52:21.0	23.71
05/27/04 15:22:21.0	23.74
05/27/04 15:52:21.0	23.76
05/27/04 16:22:21.0	23.79
05/27/04 16:52:21.0	23.81
05/27/04 17:22:21.0	23.83
05/27/04 17:52:21.0	23.83
05/27/04 18:22:21.0	23.83
05/27/04 18:52:21.0	23.83

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/27/04 19:22:21.0	23.86
05/27/04 19:52:21.0	23.86
05/27/04 20:22:21.0	23.86
05/27/04 20:52:21.0	23.86
05/27/04 21:22:21.0	23.86
05/27/04 21:52:21.0	23.81
05/27/04 22:22:21.0	23.71
05/27/04 22:52:21.0	23.67
05/27/04 23:22:21.0	23.67
05/27/04 23:52:21.0	23.62
05/28/04 00:22:21.0	23.64
05/28/04 00:52:21.0	23.67
05/28/04 01:22:21.0	23.69
05/28/04 01:52:21.0	23.69
05/28/04 02:22:21.0	23.69
05/28/04 02:52:21.0	23.69
05/28/04 03:22:21.0	23.69
05/28/04 03:52:21.0	23.71
05/28/04 04:22:21.0	23.74
05/28/04 04:52:21.0	23.74
05/28/04 05:22:21.0	23.74
05/28/04 05:52:21.0	23.76
05/28/04 06:22:21.0	23.76
05/28/04 06:52:21.0	23.76
05/28/04 07:22:21.0	23.79
05/28/04 07:52:21.0	23.81
05/28/04 08:22:21.0	23.83
05/28/04 08:52:21.0	23.74
05/28/04 09:22:21.0	23.67
05/28/04 09:52:21.0	23.64
05/28/04 10:22:21.0	23.67
05/28/04 10:52:21.0	23.69
05/28/04 11:22:21.0	23.71
05/28/04 11:52:21.0	23.74
05/28/04 12:22:21.0	23.79
05/28/04 12:52:21.0	23.81
05/28/04 13:22:21.0	23.81
05/28/04 13:52:21.0	23.86
05/28/04 14:22:21.0	23.88
05/28/04 14:52:21.0	23.91
05/28/04 15:22:21.0	23.95
05/28/04 15:52:21.0	24.00
05/28/04 16:22:21.0	23.79
05/28/04 16:52:21.0	23.81
05/28/04 17:22:21.0	23.83
05/28/04 17:52:21.0	23.83
05/28/04 18:22:21.0	23.83
05/28/04 18:52:21.0	23.86
05/28/04 19:22:21.0	23.86
05/28/04 19:52:21.0	23.88
05/28/04 20:22:21.0	23.81
05/28/04 20:52:21.0	23.86
05/28/04 21:22:21.0	23.83
05/28/04 21:52:21.0	23.86
05/28/04 22:22:21.0	23.86
05/28/04 22:52:21.0	23.86
05/28/04 23:22:21.0	23.86
05/28/04 23:52:21.0	23.86
05/29/04 00:22:21.0	23.88

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/29/04 00:52:21.0	23.88
05/29/04 01:22:21.0	23.88
05/29/04 01:52:21.0	23.91
05/29/04 02:22:21.0	23.91
05/29/04 02:52:21.0	23.91
05/29/04 03:22:21.0	23.91
05/29/04 03:52:21.0	23.93
05/29/04 04:22:21.0	23.93
05/29/04 04:52:21.0	23.93
05/29/04 05:22:21.0	23.95
05/29/04 05:52:21.0	23.95
05/29/04 06:22:21.0	23.95
05/29/04 06:52:21.0	23.95
05/29/04 07:22:21.0	24.05
05/29/04 07:52:21.0	24.00
05/29/04 08:22:21.0	24.07
05/29/04 08:52:21.0	24.10
05/29/04 09:22:21.0	24.17
05/29/04 09:52:21.0	24.22
05/29/04 10:22:21.0	23.91
05/29/04 10:52:21.0	23.93
05/29/04 11:22:21.0	23.98
05/29/04 11:52:21.0	24.00
05/29/04 12:22:21.0	24.07
05/29/04 12:52:21.0	24.10
05/29/04 13:22:21.0	24.05
05/29/04 13:52:21.0	24.15
05/29/04 14:22:21.0	24.17
05/29/04 14:52:21.0	24.05
05/29/04 15:22:21.0	24.00
05/29/04 15:52:21.0	24.05
05/29/04 16:22:21.0	24.07
05/29/04 16:52:21.0	24.10
05/29/04 17:22:21.0	24.12
05/29/04 17:52:21.0	24.17
05/29/04 18:22:21.0	24.10
05/29/04 18:52:21.0	24.12
05/29/04 19:22:21.0	24.12
05/29/04 19:52:21.0	24.12
05/29/04 20:22:21.0	24.15
05/29/04 20:52:21.0	24.15
05/29/04 21:22:21.0	24.10
05/29/04 21:52:21.0	23.95
05/29/04 22:22:21.0	23.95
05/29/04 22:52:21.0	24.00
05/29/04 23:22:21.0	24.00
05/29/04 23:52:21.0	24.07
05/30/04 00:22:21.0	24.05
05/30/04 00:52:21.0	24.12
05/30/04 01:22:21.0	24.12
05/30/04 01:52:21.0	24.22
05/30/04 02:22:21.0	24.27
05/30/04 02:52:21.0	24.29
05/30/04 03:22:21.0	24.34
05/30/04 03:52:21.0	24.39
05/30/04 04:22:21.0	24.36
05/30/04 04:52:21.0	24.39
05/30/04 05:22:21.0	24.39
05/30/04 05:52:21.0	24.00

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/30/04 06:22:21.0	24.03
05/30/04 06:52:21.0	24.10
05/30/04 07:22:21.0	23.95
05/30/04 07:52:21.0	24.03
05/30/04 08:22:21.0	24.10
05/30/04 08:52:21.0	24.07
05/30/04 09:22:21.0	24.15
05/30/04 09:52:21.0	24.20
05/30/04 10:22:21.0	24.27
05/30/04 10:52:21.0	24.17
05/30/04 11:22:21.0	24.22
05/30/04 11:52:21.0	24.22
05/30/04 12:22:21.0	24.27
05/30/04 12:52:21.0	24.32
05/30/04 13:22:21.0	24.15
05/30/04 13:52:21.0	23.83
05/30/04 14:22:21.0	23.91
05/30/04 14:52:21.0	23.93
05/30/04 15:22:21.0	23.98
05/30/04 15:52:21.0	24.05
05/30/04 16:22:21.0	23.79
05/30/04 16:52:21.0	23.62
05/30/04 17:22:21.0	23.59
05/30/04 17:52:21.0	23.64
05/30/04 18:22:21.0	23.64
05/30/04 18:52:21.0	23.81
05/30/04 19:22:21.0	23.81
05/30/04 19:52:21.0	23.86
05/30/04 20:22:21.0	23.98
05/30/04 20:52:21.0	24.00
05/30/04 21:22:21.0	24.05
05/30/04 21:52:21.0	24.17
05/30/04 22:22:21.0	24.15
05/30/04 22:52:21.0	24.00
05/30/04 23:22:21.0	23.88
05/30/04 23:52:21.0	23.88
05/31/04 00:22:21.0	23.91
05/31/04 00:52:21.0	23.98
05/31/04 01:22:21.0	24.00
05/31/04 01:52:21.0	24.05
05/31/04 02:22:21.0	24.07
05/31/04 02:52:21.0	24.15
05/31/04 03:22:21.0	24.22
05/31/04 03:52:21.0	24.29
05/31/04 04:22:21.0	24.32
05/31/04 04:52:21.0	24.32
05/31/04 05:22:21.0	24.32
05/31/04 05:52:21.0	24.32
05/31/04 06:22:21.0	24.32
05/31/04 06:52:21.0	23.95
05/31/04 07:22:21.0	23.86
05/31/04 07:52:21.0	23.83
05/31/04 08:22:21.0	23.83
05/31/04 08:52:21.0	23.88
05/31/04 09:22:21.0	23.91
05/31/04 09:52:21.0	23.98
05/31/04 10:22:21.0	24.12
05/31/04 10:52:21.0	24.15
05/31/04 11:22:21.0	23.95

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
05/31/04 11:52:21.0	23.83
05/31/04 12:22:21.0	23.88
05/31/04 12:52:21.0	23.79
05/31/04 13:22:21.0	23.79
05/31/04 13:52:21.0	23.74
05/31/04 14:22:21.0	23.69
05/31/04 14:52:21.0	23.71
05/31/04 15:22:21.0	23.74
05/31/04 15:52:21.0	23.79
05/31/04 16:22:21.0	23.81
05/31/04 16:52:21.0	23.83
05/31/04 17:22:21.0	23.86
05/31/04 17:52:21.0	23.91
05/31/04 18:22:21.0	23.95
05/31/04 18:52:21.0	24.07
05/31/04 19:22:21.0	24.07
05/31/04 19:52:21.0	24.10
05/31/04 20:22:21.0	24.15
05/31/04 20:52:21.0	24.15
05/31/04 21:22:21.0	24.12
05/31/04 21:52:21.0	24.12
05/31/04 22:22:21.0	24.05
05/31/04 22:52:21.0	23.91
05/31/04 23:22:21.0	23.93
05/31/04 23:52:21.0	23.76
06/01/04 00:22:21.0	23.67
06/01/04 00:52:21.0	23.64
06/01/04 01:22:21.0	23.67
06/01/04 01:52:21.0	23.64
06/01/04 02:22:21.0	23.67
06/01/04 02:52:21.0	23.74
06/01/04 03:22:21.0	23.91
06/01/04 03:52:21.0	24.12
06/01/04 04:22:21.0	24.58
06/01/04 04:52:21.0	24.58
06/01/04 05:22:21.0	24.58
06/01/04 05:52:21.0	24.58
06/01/04 06:22:21.0	24.53
06/01/04 06:52:21.0	24.34
06/01/04 07:22:21.0	24.29
06/01/04 07:52:21.0	24.17
06/01/04 08:22:21.0	24.24
06/01/04 08:52:21.0	24.34
06/01/04 09:22:21.0	24.39
06/01/04 09:52:21.0	24.44
06/01/04 10:22:21.0	24.58
06/01/04 10:52:21.0	24.63
06/01/04 11:22:21.0	24.68
06/01/04 11:52:21.0	24.68
06/01/04 12:22:21.0	24.73
06/01/04 12:52:21.0	24.73
06/01/04 13:22:21.0	24.77
06/01/04 13:52:21.0	24.70
06/01/04 14:22:21.0	24.68
06/01/04 14:52:21.0	24.46
06/01/04 15:22:21.0	24.48
06/01/04 15:52:21.0	24.41
06/01/04 16:22:21.0	24.22
06/01/04 16:52:21.0	24.03

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/01/04 17:22:21.0	23.88
06/01/04 17:52:21.0	23.83
06/01/04 18:22:21.0	23.74
06/01/04 18:52:21.0	23.74
06/01/04 19:22:21.0	23.74
06/01/04 19:52:21.0	23.76
06/01/04 20:22:21.0	23.79
06/01/04 20:52:21.0	23.83
06/01/04 21:22:21.0	23.91
06/01/04 21:52:21.0	24.05
06/01/04 22:22:21.0	24.10
06/01/04 22:52:21.0	23.88
06/01/04 23:22:21.0	23.57
06/01/04 23:52:21.0	23.55
06/02/04 00:22:21.0	23.57
06/02/04 00:52:21.0	23.59
06/02/04 01:22:21.0	23.62
06/02/04 01:52:21.0	23.67
06/02/04 02:22:21.0	23.67
06/02/04 02:52:21.0	23.67
06/02/04 03:22:21.0	23.69
06/02/04 03:52:21.0	23.71
06/02/04 04:22:21.0	23.71
06/02/04 04:52:21.0	23.71
06/02/04 05:22:21.0	23.74
06/02/04 05:52:21.0	23.74
06/02/04 06:22:21.0	23.74
06/02/04 06:52:21.0	23.76
06/02/04 07:22:21.0	23.76
06/02/04 07:52:21.0	23.79
06/02/04 08:22:21.0	23.81
06/02/04 08:52:21.0	23.83
06/02/04 09:22:21.0	23.86
06/02/04 09:52:21.0	23.91
06/02/04 10:22:21.0	23.93
06/02/04 10:52:21.0	23.95
06/02/04 11:22:21.0	23.98
06/02/04 11:52:21.0	24.00
06/02/04 12:22:21.0	24.03
06/02/04 12:52:21.0	24.07
06/02/04 13:22:21.0	24.07
06/02/04 13:52:21.0	24.12
06/02/04 14:22:21.0	24.20
06/02/04 14:52:21.0	24.17
06/02/04 15:22:21.0	24.20
06/02/04 15:52:21.0	24.22
06/02/04 16:22:21.0	24.24
06/02/04 16:52:21.0	24.20
06/02/04 17:22:21.0	23.91
06/02/04 17:52:21.0	23.81
06/02/04 18:22:21.0	23.74
06/02/04 18:52:21.0	23.74
06/02/04 19:22:21.0	23.74
06/02/04 19:52:21.0	23.79
06/02/04 20:22:21.0	23.76
06/02/04 20:52:21.0	23.81
06/02/04 21:22:21.0	23.83
06/02/04 21:52:21.0	23.83
06/02/04 22:22:21.0	23.88

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/02/04 22:52:21.0	23.93
06/02/04 23:22:21.0	23.93
06/02/04 23:52:21.0	23.93
06/03/04 00:22:21.0	23.86
06/03/04 00:52:21.0	23.86
06/03/04 01:22:21.0	23.79
06/03/04 01:52:21.0	23.62
06/03/04 02:22:21.0	23.59
06/03/04 02:52:21.0	23.59
06/03/04 03:22:21.0	23.55
06/03/04 03:52:21.0	23.55
06/03/04 04:22:21.0	23.57
06/03/04 04:52:21.0	23.57
06/03/04 05:22:21.0	23.59
06/03/04 05:52:21.0	23.59
06/03/04 06:22:21.0	23.64
06/03/04 06:52:21.0	23.62
06/03/04 07:22:21.0	23.64
06/03/04 07:52:21.0	23.67
06/03/04 08:22:21.0	23.74
06/03/04 08:52:21.0	23.74
06/03/04 09:22:21.0	23.79
06/03/04 09:52:21.0	23.81
06/03/04 10:22:21.0	23.83
06/03/04 10:52:21.0	23.83
06/03/04 11:22:21.0	23.86
06/03/04 11:52:21.0	23.93
06/03/04 12:22:21.0	23.95
06/03/04 12:52:21.0	24.00
06/03/04 13:22:21.0	24.03
06/03/04 13:52:21.0	24.03
06/03/04 14:22:21.0	24.05
06/03/04 14:52:21.0	24.12
06/03/04 15:22:21.0	24.17
06/03/04 15:52:21.0	24.20
06/03/04 16:22:21.0	24.24
06/03/04 16:52:21.0	24.36
06/03/04 17:22:21.0	24.34
06/03/04 17:52:21.0	24.24
06/03/04 18:22:21.0	24.05
06/03/04 18:52:21.0	24.07
06/03/04 19:22:21.0	24.12
06/03/04 19:52:21.0	24.05
06/03/04 20:22:21.0	24.00
06/03/04 20:52:21.0	24.05
06/03/04 21:22:21.0	24.05
06/03/04 21:52:21.0	23.98
06/03/04 22:22:21.0	23.81
06/03/04 22:52:21.0	23.81
06/03/04 23:22:21.0	23.76
06/03/04 23:52:21.0	23.79
06/04/04 00:22:21.0	23.79
06/04/04 00:52:21.0	23.79
06/04/04 01:22:21.0	23.81
06/04/04 01:52:21.0	23.79
06/04/04 02:22:21.0	23.76
06/04/04 02:52:21.0	23.64
06/04/04 03:22:21.0	23.50
06/04/04 03:52:21.0	23.47

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/04/04 04:22:21.0	23.57
06/04/04 04:52:21.0	23.55
06/04/04 05:22:21.0	23.57
06/04/04 05:52:21.0	23.59
06/04/04 06:22:21.0	23.62
06/04/04 06:52:21.0	23.62
06/04/04 07:22:21.0	23.64
06/04/04 07:52:21.0	23.67
06/04/04 08:22:21.0	23.71
06/04/04 08:52:21.0	23.74
06/04/04 09:22:21.0	23.79
06/04/04 09:52:21.0	23.81
06/04/04 10:22:21.0	23.86
06/04/04 10:52:21.0	23.91
06/04/04 11:22:21.0	23.91
06/04/04 11:52:21.0	23.95
06/04/04 12:22:21.0	24.00
06/04/04 12:52:21.0	24.05
06/04/04 13:22:21.0	24.07
06/04/04 13:52:21.0	24.12
06/04/04 14:22:21.0	24.24
06/04/04 14:52:21.0	24.29
06/04/04 15:22:21.0	24.29
06/04/04 15:52:21.0	24.15
06/04/04 16:22:21.0	24.05
06/04/04 16:52:21.0	24.03
06/04/04 17:22:21.0	24.05
06/04/04 17:52:21.0	24.07
06/04/04 18:22:21.0	24.10
06/04/04 18:52:21.0	24.10
06/04/04 19:22:21.0	24.10
06/04/04 19:52:21.0	23.76
06/04/04 20:22:21.0	23.76
06/04/04 20:52:21.0	23.50
06/04/04 21:22:21.0	23.52
06/04/04 21:52:21.0	23.55
06/04/04 22:22:21.0	23.59
06/04/04 22:52:21.0	23.64
06/04/04 23:22:21.0	23.81
06/04/04 23:52:21.0	23.79
06/05/04 00:22:21.0	23.79
06/05/04 00:52:21.0	23.88
06/05/04 01:22:21.0	23.86
06/05/04 01:52:21.0	23.62
06/05/04 02:22:21.0	23.67
06/05/04 02:52:21.0	23.71
06/05/04 03:22:21.0	23.74
06/05/04 03:52:21.0	23.74
06/05/04 04:22:21.0	23.81
06/05/04 04:52:21.0	23.88
06/05/04 05:22:21.0	23.86
06/05/04 05:52:21.0	23.88
06/05/04 06:22:21.0	23.86
06/05/04 06:52:21.0	23.88
06/05/04 07:22:21.0	23.91
06/05/04 07:52:21.0	23.93
06/05/04 08:22:21.0	24.27
06/05/04 08:52:21.0	24.46
06/05/04 09:22:21.0	24.44

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/05/04 09:52:21.0	24.51
06/05/04 10:22:21.0	24.34
06/05/04 10:52:21.0	24.39
06/05/04 11:22:21.0	24.41
06/05/04 11:52:21.0	24.41
06/05/04 12:22:21.0	24.41
06/05/04 12:52:21.0	24.44
06/05/04 13:22:21.0	24.46
06/05/04 13:52:21.0	24.51
06/05/04 14:22:21.0	24.51
06/05/04 14:52:21.0	24.53
06/05/04 15:22:21.0	24.56
06/05/04 15:52:21.0	24.58
06/05/04 16:22:21.0	24.61
06/05/04 16:52:21.0	24.48
06/05/04 17:22:21.0	24.36
06/05/04 17:52:21.0	24.27
06/05/04 18:22:21.0	23.59
06/05/04 18:52:21.0	23.67
06/05/04 19:22:21.0	23.57
06/05/04 19:52:21.0	23.52
06/05/04 20:22:21.0	23.52
06/05/04 20:52:21.0	23.52
06/05/04 21:22:21.0	23.55
06/05/04 21:52:21.0	23.55
06/05/04 22:22:21.0	23.57
06/05/04 22:52:21.0	23.57
06/05/04 23:22:21.0	23.67
06/05/04 23:52:21.0	23.74
06/06/04 00:22:21.0	23.69
06/06/04 00:52:21.0	23.71
06/06/04 01:22:21.0	23.81
06/06/04 01:52:21.0	23.81
06/06/04 02:22:21.0	23.71
06/06/04 02:52:21.0	23.71
06/06/04 03:22:21.0	23.74
06/06/04 03:52:21.0	23.79
06/06/04 04:22:21.0	23.76
06/06/04 04:52:21.0	23.79
06/06/04 05:22:21.0	23.79
06/06/04 05:52:21.0	23.79
06/06/04 06:22:21.0	23.79
06/06/04 06:52:21.0	23.81
06/06/04 07:22:21.0	23.83
06/06/04 07:52:21.0	23.86
06/06/04 08:22:21.0	24.00
06/06/04 08:52:21.0	24.48
06/06/04 09:22:21.0	24.27
06/06/04 09:52:21.0	24.27
06/06/04 10:22:21.0	24.34
06/06/04 10:52:21.0	24.39
06/06/04 11:22:21.0	24.44
06/06/04 11:52:21.0	24.44
06/06/04 12:22:21.0	24.44
06/06/04 12:52:21.0	24.46
06/06/04 13:22:21.0	24.51
06/06/04 13:52:21.0	24.63
06/06/04 14:22:21.0	24.44
06/06/04 14:52:21.0	24.51

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/06/04 15:22:21.0	24.51
06/06/04 15:52:21.0	24.53
06/06/04 16:22:21.0	24.56
06/06/04 16:52:21.0	24.56
06/06/04 17:22:21.0	24.24
06/06/04 17:52:21.0	24.24
06/06/04 18:22:21.0	24.27
06/06/04 18:52:21.0	24.00
06/06/04 19:22:21.0	24.05
06/06/04 19:52:21.0	24.05
06/06/04 20:22:21.0	23.64
06/06/04 20:52:21.0	23.55
06/06/04 21:22:21.0	23.59
06/06/04 21:52:21.0	23.64
06/06/04 22:22:21.0	23.62
06/06/04 22:52:21.0	23.55
06/06/04 23:22:21.0	23.62
06/06/04 23:52:21.0	23.62
06/07/04 00:22:21.0	23.64
06/07/04 00:52:21.0	23.69
06/07/04 01:22:21.0	23.71
06/07/04 01:52:21.0	23.71
06/07/04 02:22:21.0	23.79
06/07/04 02:52:21.0	23.98
06/07/04 03:22:21.0	23.76
06/07/04 03:52:21.0	23.55
06/07/04 04:22:21.0	23.50
06/07/04 04:52:21.0	23.50
06/07/04 05:22:21.0	23.50
06/07/04 05:52:21.0	23.57
06/07/04 06:22:21.0	23.57
06/07/04 06:52:21.0	23.59
06/07/04 07:22:21.0	23.67
06/07/04 07:52:21.0	23.67
06/07/04 08:22:21.0	23.76
06/07/04 08:52:21.0	23.79
06/07/04 09:22:21.0	23.81
06/07/04 09:52:21.0	23.86
06/07/04 10:22:21.0	23.93
06/07/04 10:52:21.0	24.00
06/07/04 11:22:21.0	24.27
06/07/04 11:52:21.0	24.22
06/07/04 12:22:21.0	24.29
06/07/04 12:52:21.0	24.29
06/07/04 13:22:21.0	24.36
06/07/04 13:52:21.0	23.81
06/07/04 14:22:21.0	23.71
06/07/04 14:52:21.0	23.79
06/07/04 15:22:21.0	23.59
06/07/04 15:52:21.0	23.59
06/07/04 16:22:21.0	23.64
06/07/04 16:52:21.0	23.64
06/07/04 17:22:21.0	23.67
06/07/04 17:52:21.0	23.91
06/07/04 18:22:21.0	23.81
06/07/04 18:52:21.0	23.86
06/07/04 19:22:21.0	23.74
06/07/04 19:52:21.0	23.81
06/07/04 20:22:21.0	23.52

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/07/04 20:52:21.0	23.47
06/07/04 21:22:21.0	23.45
06/07/04 21:52:21.0	23.47
06/07/04 22:22:21.0	23.47
06/07/04 22:52:21.0	23.52
06/07/04 23:22:21.0	23.50
06/07/04 23:52:21.0	23.52
06/08/04 00:22:21.0	23.55
06/08/04 00:52:21.0	23.55
06/08/04 01:22:21.0	23.59
06/08/04 01:52:21.0	23.67
06/08/04 02:22:21.0	23.67
06/08/04 02:52:21.0	23.74
06/08/04 03:22:21.0	23.81
06/08/04 03:52:21.0	23.95
06/08/04 04:22:21.0	23.88
06/08/04 04:52:21.0	23.88
06/08/04 05:22:21.0	23.93
06/08/04 05:52:21.0	23.93
06/08/04 06:22:21.0	24.03
06/08/04 06:52:21.0	24.12
06/08/04 07:22:21.0	24.27
06/08/04 07:52:21.0	24.46
06/08/04 08:22:21.0	24.63
06/08/04 08:52:21.0	24.77
06/08/04 09:22:21.0	24.85
06/08/04 09:52:21.0	24.82
06/08/04 10:22:21.0	24.85
06/08/04 10:52:21.0	24.82
06/08/04 11:22:21.0	24.85
06/08/04 11:52:21.0	24.85
06/08/04 12:22:21.0	24.87
06/08/04 12:52:21.0	24.87
06/08/04 13:22:21.0	24.92
06/08/04 13:52:21.0	24.90
06/08/04 14:22:21.0	24.90
06/08/04 14:52:21.0	24.92
06/08/04 15:22:21.0	24.94
06/08/04 15:52:21.0	25.04
06/08/04 16:22:21.0	25.11
06/08/04 16:52:21.0	25.16
06/08/04 17:22:21.0	25.21
06/08/04 17:52:21.0	24.39
06/08/04 18:22:21.0	24.03
06/08/04 18:52:21.0	23.91
06/08/04 19:22:21.0	24.00
06/08/04 19:52:21.0	23.86
06/08/04 20:22:21.0	23.91
06/08/04 20:52:21.0	24.05
06/08/04 21:22:21.0	23.40
06/08/04 21:52:21.0	23.33
06/08/04 22:22:21.0	23.28
06/08/04 22:52:21.0	23.33
06/08/04 23:22:21.0	23.33
06/08/04 23:52:21.0	23.38
06/09/04 00:22:21.0	23.52
06/09/04 00:52:21.0	23.55
06/09/04 01:22:21.0	23.67
06/09/04 01:52:21.0	23.67

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/09/04 02:22:21.0	23.83
06/09/04 02:52:21.0	23.86
06/09/04 03:22:21.0	23.83
06/09/04 03:52:21.0	23.86
06/09/04 04:22:21.0	23.86
06/09/04 04:52:21.0	23.93
06/09/04 05:22:21.0	23.98
06/09/04 05:52:21.0	24.05
06/09/04 06:22:21.0	24.10
06/09/04 06:52:21.0	24.20
06/09/04 07:22:21.0	24.15
06/09/04 07:52:21.0	24.20
06/09/04 08:22:21.0	24.12
06/09/04 08:52:21.0	24.20
06/09/04 09:22:21.0	24.20
06/09/04 09:52:21.0	24.27
06/09/04 10:22:21.0	24.24
06/09/04 10:52:21.0	24.29
06/09/04 11:22:21.0	24.39
06/09/04 11:52:21.0	24.41
06/09/04 12:22:21.0	24.46
06/09/04 12:52:21.0	24.51
06/09/04 13:22:21.0	24.61
06/09/04 13:52:21.0	24.63
06/09/04 14:22:21.0	24.70
06/09/04 14:52:21.0	24.70
06/09/04 15:22:21.0	24.75
06/09/04 15:52:21.0	24.77
06/09/04 16:22:21.0	24.80
06/09/04 16:52:21.0	24.94
06/09/04 17:22:21.0	24.99
06/09/04 17:52:21.0	24.97
06/09/04 18:22:21.0	24.90
06/09/04 18:52:21.0	24.94
06/09/04 19:22:21.0	24.87
06/09/04 19:52:21.0	23.91
06/09/04 20:22:21.0	23.88
06/09/04 20:52:21.0	23.95
06/09/04 21:22:21.0	23.69
06/09/04 21:52:21.0	23.62
06/09/04 22:22:21.0	23.55
06/09/04 22:52:21.0	23.47
06/09/04 23:22:21.0	23.52
06/09/04 23:52:21.0	23.45
06/10/04 00:22:21.0	23.50
06/10/04 00:52:21.0	23.57
06/10/04 01:22:21.0	23.62
06/10/04 01:52:21.0	23.74
06/10/04 02:22:21.0	23.86
06/10/04 02:52:21.0	23.91
06/10/04 03:22:21.0	23.98
06/10/04 03:52:21.0	24.22
06/10/04 04:22:21.0	24.56
06/10/04 04:52:21.0	25.11
06/10/04 05:22:21.0	26.06
06/10/04 05:52:21.0	26.16
06/10/04 06:22:21.0	26.06
06/10/04 06:52:21.0	25.99
06/10/04 07:22:21.0	25.72

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/10/04 07:52:21.0	25.55
06/10/04 08:22:21.0	25.72
06/10/04 08:52:21.0	25.77
06/10/04 09:22:21.0	25.67
06/10/04 09:52:21.0	25.55
06/10/04 10:22:21.0	25.60
06/10/04 10:52:21.0	25.74
06/10/04 11:22:21.0	26.04
06/10/04 11:52:21.0	26.16
06/10/04 12:22:21.0	26.18
06/10/04 12:52:21.0	26.23
06/10/04 13:22:21.0	26.26
06/10/04 13:52:21.0	26.28
06/10/04 14:22:21.0	26.23
06/10/04 14:52:21.0	26.26
06/10/04 15:22:21.0	26.28
06/10/04 15:52:21.0	26.23
06/10/04 16:22:21.0	26.01
06/10/04 16:52:21.0	25.96
06/10/04 17:22:21.0	25.62
06/10/04 17:52:21.0	25.33
06/10/04 18:22:21.0	25.21
06/10/04 18:52:21.0	25.23
06/10/04 19:22:21.0	25.07
06/10/04 19:52:21.0	24.75
06/10/04 20:22:21.0	24.68
06/10/04 20:52:21.0	24.70
06/10/04 21:22:21.0	24.70
06/10/04 21:52:21.0	24.70
06/10/04 22:22:21.0	24.75
06/10/04 22:52:21.0	24.73
06/10/04 23:22:21.0	24.87
06/10/04 23:52:21.0	24.80
06/11/04 00:22:21.0	24.87
06/11/04 00:52:21.0	25.26
06/11/04 01:22:21.0	25.79
06/11/04 01:52:21.0	24.87
06/11/04 02:22:21.0	25.26
06/11/04 02:52:21.0	25.45
06/11/04 03:22:21.0	25.26
06/11/04 03:52:21.0	25.21
06/11/04 04:22:21.0	25.31
06/11/04 04:52:21.0	25.28
06/11/04 05:22:21.0	25.31
06/11/04 05:52:21.0	25.11
06/11/04 06:22:21.0	24.99
06/11/04 06:52:21.0	25.02
06/11/04 07:22:21.0	25.04
06/11/04 07:52:21.0	25.09
06/11/04 08:22:21.0	25.19
06/11/04 08:52:21.0	25.14
06/11/04 09:22:21.0	25.16
06/11/04 09:52:21.0	25.19
06/11/04 10:22:21.0	25.07
06/11/04 10:52:21.0	24.90
06/11/04 11:22:21.0	24.90
06/11/04 11:52:21.0	24.90
06/11/04 12:22:21.0	24.97
06/11/04 12:52:21.0	25.07

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/11/04 13:22:21.0	25.09
06/11/04 13:52:21.0	25.11
06/11/04 14:22:21.0	25.14
06/11/04 14:52:21.0	25.16
06/11/04 15:22:21.0	25.19
06/11/04 15:52:21.0	25.23
06/11/04 16:22:21.0	25.28
06/11/04 16:52:21.0	25.31
06/11/04 17:22:21.0	25.31
06/11/04 17:52:21.0	25.33
06/11/04 18:22:21.0	25.33
06/11/04 18:52:21.0	25.36
06/11/04 19:22:21.0	25.38
06/11/04 19:52:21.0	25.16
06/11/04 20:22:21.0	24.90
06/11/04 20:52:21.0	24.90
06/11/04 21:22:21.0	24.70
06/11/04 21:52:21.0	24.80
06/11/04 22:22:21.0	24.87
06/11/04 22:52:21.0	24.94
06/11/04 23:22:21.0	25.02
06/11/04 23:52:21.0	25.14
06/12/04 00:22:21.0	25.16
06/12/04 00:52:21.0	25.19
06/12/04 01:22:21.0	25.19
06/12/04 01:52:21.0	25.23
06/12/04 02:22:21.0	25.31
06/12/04 02:52:21.0	25.33
06/12/04 03:22:21.0	25.38
06/12/04 03:52:21.0	25.43
06/12/04 04:22:21.0	25.45
06/12/04 04:52:21.0	25.45
06/12/04 05:22:21.0	25.50
06/12/04 05:52:21.0	24.85
06/12/04 06:22:21.0	24.75
06/12/04 06:52:21.0	24.77
06/12/04 07:22:21.0	24.80
06/12/04 07:52:21.0	24.85
06/12/04 08:22:21.0	24.87
06/12/04 08:52:21.0	24.90
06/12/04 09:22:21.0	24.94
06/12/04 09:52:21.0	25.02
06/12/04 10:22:21.0	25.53
06/12/04 10:52:21.0	25.55
06/12/04 11:22:21.0	25.57
06/12/04 11:52:21.0	25.62
06/12/04 12:22:21.0	25.67
06/12/04 12:52:21.0	25.70
06/12/04 13:22:21.0	25.74
06/12/04 13:52:21.0	25.77
06/12/04 14:22:21.0	25.79
06/12/04 14:52:21.0	25.82
06/12/04 15:22:21.0	25.84
06/12/04 15:52:21.0	25.94
06/12/04 16:22:21.0	26.04
06/12/04 16:52:21.0	26.38
06/12/04 17:22:21.0	26.62
06/12/04 17:52:21.0	26.62
06/12/04 18:22:21.0	25.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/12/04 18:52:21.0	25.45
06/12/04 19:22:21.0	24.99
06/12/04 19:52:21.0	24.63
06/12/04 20:22:21.0	24.68
06/12/04 20:52:21.0	24.65
06/12/04 21:22:21.0	24.73
06/12/04 21:52:21.0	24.77
06/12/04 22:22:21.0	24.85
06/12/04 22:52:21.0	24.87
06/12/04 23:22:21.0	24.90
06/12/04 23:52:21.0	24.94
06/13/04 00:22:21.0	24.94
06/13/04 00:52:21.0	25.02
06/13/04 01:22:21.0	25.11
06/13/04 01:52:21.0	25.26
06/13/04 02:22:21.0	25.33
06/13/04 02:52:21.0	25.50
06/13/04 03:22:21.0	25.57
06/13/04 03:52:21.0	25.67
06/13/04 04:22:21.0	26.04
06/13/04 04:52:21.0	26.16
06/13/04 05:22:21.0	26.33
06/13/04 05:52:21.0	26.30
06/13/04 06:22:21.0	26.33
06/13/04 06:52:21.0	26.43
06/13/04 07:22:21.0	26.45
06/13/04 07:52:21.0	26.38
06/13/04 08:22:21.0	26.11
06/13/04 08:52:21.0	25.82
06/13/04 09:22:21.0	25.50
06/13/04 09:52:21.0	25.36
06/13/04 10:22:21.0	25.31
06/13/04 10:52:21.0	25.31
06/13/04 11:22:21.0	25.36
06/13/04 11:52:21.0	25.89
06/13/04 12:22:21.0	25.65
06/13/04 12:52:21.0	25.09
06/13/04 13:22:21.0	24.82
06/13/04 13:52:21.0	25.09
06/13/04 14:22:21.0	25.28
06/13/04 14:52:21.0	25.33
06/13/04 15:22:21.0	25.40
06/13/04 15:52:21.0	25.55
06/13/04 16:22:21.0	25.48
06/13/04 16:52:21.0	25.53
06/13/04 17:22:21.0	25.53
06/13/04 17:52:21.0	25.36
06/13/04 18:22:21.0	25.31
06/13/04 18:52:21.0	25.28
06/13/04 19:22:21.0	25.33
06/13/04 19:52:21.0	25.53
06/13/04 20:22:21.0	25.33
06/13/04 20:52:21.0	25.36
06/13/04 21:22:21.0	25.38
06/13/04 21:52:21.0	25.38
06/13/04 22:22:21.0	25.38
06/13/04 22:52:21.0	25.33
06/13/04 23:22:21.0	25.33
06/13/04 23:52:21.0	25.33

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/14/04 00:22:21.0	25.31
06/14/04 00:52:21.0	25.36
06/14/04 01:22:21.0	25.36
06/14/04 01:52:21.0	25.36
06/14/04 02:22:21.0	25.38
06/14/04 02:52:21.0	25.38
06/14/04 03:22:21.0	25.38
06/14/04 03:52:21.0	25.40
06/14/04 04:22:21.0	25.48
06/14/04 04:52:21.0	25.50
06/14/04 05:22:21.0	25.94
06/14/04 05:52:21.0	25.87
06/14/04 06:22:21.0	25.91
06/14/04 06:52:21.0	25.87
06/14/04 07:22:21.0	25.65
06/14/04 07:52:21.0	25.53
06/14/04 08:22:21.0	25.60
06/14/04 08:52:21.0	25.62
06/14/04 09:22:21.0	25.74
06/14/04 09:52:21.0	25.82
06/14/04 10:22:21.0	26.06
06/14/04 10:52:21.0	25.94
06/14/04 11:22:21.0	25.72
06/14/04 11:52:21.0	25.23
06/14/04 12:22:21.0	25.26
06/14/04 12:52:21.0	25.28
06/14/04 13:22:21.0	25.31
06/14/04 13:52:21.0	25.43
06/14/04 14:22:21.0	25.48
06/14/04 14:52:21.0	25.50
06/14/04 15:22:21.0	25.40
06/14/04 15:52:21.0	25.04
06/14/04 16:22:21.0	24.92
06/14/04 16:52:21.0	24.75
06/14/04 17:22:21.0	24.65
06/14/04 17:52:21.0	24.58
06/14/04 18:22:21.0	24.53
06/14/04 18:52:21.0	24.51
06/14/04 19:22:21.0	24.48
06/14/04 19:52:21.0	24.58
06/14/04 20:22:21.0	24.68
06/14/04 20:52:21.0	24.75
06/14/04 21:22:21.0	24.94
06/14/04 21:52:21.0	24.99
06/14/04 22:22:21.0	24.94
06/14/04 22:52:21.0	24.87
06/14/04 23:22:21.0	24.90
06/14/04 23:52:21.0	24.87
06/15/04 00:22:21.0	24.87
06/15/04 00:52:21.0	24.87
06/15/04 01:22:21.0	24.85
06/15/04 01:52:21.0	25.31
06/15/04 02:22:21.0	25.19
06/15/04 02:52:21.0	25.19
06/15/04 03:22:21.0	25.23
06/15/04 03:52:21.0	25.26
06/15/04 04:22:21.0	25.19
06/15/04 04:52:21.0	25.04
06/15/04 05:22:21.0	25.09

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/15/04 05:52:21.0	25.33
06/15/04 06:22:21.0	26.45
06/15/04 06:52:21.0	26.45
06/15/04 07:22:21.0	26.06
06/15/04 07:52:21.0	25.99
06/15/04 08:22:21.0	26.30
06/15/04 08:52:21.0	26.60
06/15/04 09:22:21.0	26.87
06/15/04 09:52:21.0	26.89
06/15/04 10:22:21.0	26.94
06/15/04 10:52:21.0	27.21
06/15/04 11:22:21.0	27.21
06/15/04 11:52:21.0	27.09
06/15/04 12:22:21.0	26.94
06/15/04 12:52:21.0	26.92
06/15/04 13:22:21.0	26.97
06/15/04 13:52:21.0	26.92
06/15/04 14:22:21.0	26.84
06/15/04 14:52:21.0	26.87
06/15/04 15:22:21.0	26.92
06/15/04 15:52:21.0	26.99
06/15/04 16:22:21.0	27.01
06/15/04 16:52:21.0	27.06
06/15/04 17:22:21.0	27.11
06/15/04 17:52:21.0	27.24
06/15/04 18:22:21.0	27.21
06/15/04 18:52:21.0	27.24
06/15/04 19:22:21.0	27.31
06/15/04 19:52:21.0	27.31
06/15/04 20:22:21.0	27.31
06/15/04 20:52:21.0	27.33
06/15/04 21:22:21.0	27.31
06/15/04 21:52:21.0	27.41
06/15/04 22:22:21.0	27.51
06/15/04 22:52:21.0	27.53
06/15/04 23:22:21.0	27.58
06/15/04 23:52:21.0	27.60
06/16/04 00:22:21.0	27.60
06/16/04 00:52:21.0	27.58
06/16/04 01:22:21.0	27.58
06/16/04 01:52:21.0	27.58
06/16/04 02:22:21.0	27.55
06/16/04 02:52:21.0	27.55
06/16/04 03:22:21.0	27.58
06/16/04 03:52:21.0	27.55
06/16/04 04:22:21.0	27.58
06/16/04 04:52:21.0	27.58
06/16/04 05:22:21.0	27.58
06/16/04 05:52:21.0	27.55
06/16/04 06:22:21.0	27.55
06/16/04 06:52:21.0	27.55
06/16/04 07:22:21.0	27.55
06/16/04 07:52:21.0	27.55
06/16/04 08:22:21.0	27.55
06/16/04 08:52:21.0	27.55
06/16/04 09:22:21.0	27.51
06/16/04 09:52:21.0	27.38
06/16/04 10:22:21.0	27.36
06/16/04 10:52:21.0	27.28

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/16/04 11:22:21.0	27.36
06/16/04 11:52:21.0	27.41
06/16/04 12:22:21.0	27.41
06/16/04 12:52:21.0	27.41
06/16/04 13:22:21.0	27.36
06/16/04 13:52:21.0	27.41
06/16/04 14:22:21.0	27.43
06/16/04 14:52:21.0	27.43
06/16/04 15:22:21.0	27.46
06/16/04 15:52:21.0	27.48
06/16/04 16:22:21.0	27.36
06/16/04 16:52:21.0	27.28
06/16/04 17:22:21.0	27.31
06/16/04 17:52:21.0	27.36
06/16/04 18:22:21.0	27.33
06/16/04 18:52:21.0	27.41
06/16/04 19:22:21.0	27.38
06/16/04 19:52:21.0	27.38
06/16/04 20:22:21.0	27.38
06/16/04 20:52:21.0	27.38
06/16/04 21:22:21.0	27.38
06/16/04 21:52:21.0	27.41
06/16/04 22:22:21.0	27.43
06/16/04 22:52:21.0	27.41
06/16/04 23:22:21.0	27.43
06/16/04 23:52:21.0	27.43
06/17/04 00:22:21.0	27.43
06/17/04 00:52:21.0	27.43
06/17/04 01:22:21.0	27.51
06/17/04 01:52:21.0	27.53
06/17/04 02:22:21.0	27.09
06/17/04 02:52:21.0	27.01
06/17/04 03:22:21.0	27.04
06/17/04 03:52:21.0	26.99
06/17/04 04:22:21.0	27.01
06/17/04 04:52:21.0	26.82
06/17/04 05:22:21.0	26.74
06/17/04 05:52:21.0	26.77
06/17/04 06:22:21.0	26.72
06/17/04 06:52:21.0	26.74
06/17/04 07:22:21.0	26.72
06/17/04 07:52:21.0	26.18
06/17/04 08:22:21.0	26.13
06/17/04 08:52:21.0	26.18
06/17/04 09:22:21.0	26.23
06/17/04 09:52:21.0	26.01
06/17/04 10:22:21.0	26.35
06/17/04 10:52:21.0	25.84
06/17/04 11:22:21.0	26.04
06/17/04 11:52:21.0	25.96
06/17/04 12:22:21.0	26.04
06/17/04 12:52:21.0	26.13
06/17/04 13:22:21.0	26.23
06/17/04 13:52:21.0	26.28
06/17/04 14:22:21.0	26.38
06/17/04 14:52:21.0	26.43
06/17/04 15:22:21.0	26.52
06/17/04 15:52:21.0	26.60
06/17/04 16:22:21.0	26.57

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/17/04 16:52:21.0	26.60
06/17/04 17:22:21.0	26.62
06/17/04 17:52:21.0	26.65
06/17/04 18:22:21.0	26.65
06/17/04 18:52:21.0	26.65
06/17/04 19:22:21.0	26.62
06/17/04 19:52:21.0	26.62
06/17/04 20:22:21.0	26.57
06/17/04 20:52:21.0	26.57
06/17/04 21:22:21.0	26.57
06/17/04 21:52:21.0	26.57
06/17/04 22:22:21.0	26.55
06/17/04 22:52:21.0	26.55
06/17/04 23:22:21.0	26.55
06/17/04 23:52:21.0	26.57
06/18/04 00:22:21.0	26.60
06/18/04 00:52:21.0	26.60
06/18/04 01:22:21.0	26.60
06/18/04 01:52:21.0	26.60
06/18/04 02:22:21.0	26.57
06/18/04 02:52:21.0	26.57
06/18/04 03:22:21.0	26.57
06/18/04 03:52:21.0	26.57
06/18/04 04:22:21.0	26.57
06/18/04 04:52:21.0	26.57
06/18/04 05:22:21.0	26.55
06/18/04 05:52:21.0	26.57
06/18/04 06:22:21.0	26.57
06/18/04 06:52:21.0	26.57
06/18/04 07:22:21.0	26.57
06/18/04 07:52:21.0	26.48
06/18/04 08:22:21.0	25.99
06/18/04 08:52:21.0	26.09
06/18/04 09:22:21.0	25.87
06/18/04 09:52:21.0	25.84
06/18/04 10:22:21.0	25.87
06/18/04 10:52:21.0	25.84
06/18/04 11:22:21.0	25.72
06/18/04 11:52:21.0	25.74
06/18/04 12:22:21.0	25.65
06/18/04 12:52:21.0	25.11
06/18/04 13:22:21.0	25.09
06/18/04 13:52:21.0	25.21
06/18/04 14:22:21.0	25.28
06/18/04 14:52:21.0	25.28
06/18/04 15:22:21.0	25.26
06/18/04 15:52:21.0	25.31
06/18/04 16:22:21.0	25.33
06/18/04 16:52:21.0	25.33
06/18/04 17:22:21.0	25.40
06/18/04 17:52:21.0	25.43
06/18/04 18:22:21.0	25.53
06/18/04 18:52:21.0	25.53
06/18/04 19:22:21.0	25.50
06/18/04 19:52:21.0	25.57
06/18/04 20:22:21.0	25.70
06/18/04 20:52:21.0	25.70
06/18/04 21:22:21.0	25.72
06/18/04 21:52:21.0	25.74

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/18/04 22:22:21.0	25.70
06/18/04 22:52:21.0	25.70
06/18/04 23:22:21.0	25.70
06/18/04 23:52:21.0	25.72
06/19/04 00:22:21.0	25.72
06/19/04 00:52:21.0	25.72
06/19/04 01:22:21.0	25.74
06/19/04 01:52:21.0	25.74
06/19/04 02:22:21.0	25.77
06/19/04 02:52:21.0	25.74
06/19/04 03:22:21.0	25.74
06/19/04 03:52:21.0	25.74
06/19/04 04:22:21.0	25.77
06/19/04 04:52:21.0	25.77
06/19/04 05:22:21.0	25.79
06/19/04 05:52:21.0	25.79
06/19/04 06:22:21.0	25.79
06/19/04 06:52:21.0	25.79
06/19/04 07:22:21.0	25.82
06/19/04 07:52:21.0	25.84
06/19/04 08:22:21.0	25.84
06/19/04 08:52:21.0	25.89
06/19/04 09:22:21.0	25.74
06/19/04 09:52:21.0	25.48
06/19/04 10:22:21.0	24.87
06/19/04 10:52:21.0	24.70
06/19/04 11:22:21.0	24.82
06/19/04 11:52:21.0	24.85
06/19/04 12:22:21.0	24.87
06/19/04 12:52:21.0	24.92
06/19/04 13:22:21.0	25.19
06/19/04 13:52:21.0	25.16
06/19/04 14:22:21.0	25.23
06/19/04 14:52:21.0	25.21
06/19/04 15:22:21.0	25.23
06/19/04 15:52:21.0	25.26
06/19/04 16:22:21.0	25.28
06/19/04 16:52:21.0	25.33
06/19/04 17:22:21.0	25.33
06/19/04 17:52:21.0	25.38
06/19/04 18:22:21.0	25.38
06/19/04 18:52:21.0	25.38
06/19/04 19:22:21.0	25.40
06/19/04 19:52:21.0	25.40
06/19/04 20:22:21.0	25.40
06/19/04 20:52:21.0	25.43
06/19/04 21:22:21.0	25.45
06/19/04 21:52:21.0	25.50
06/19/04 22:22:21.0	25.48
06/19/04 22:52:21.0	25.48
06/19/04 23:22:21.0	25.50
06/19/04 23:52:21.0	25.55
06/20/04 00:22:21.0	25.57
06/20/04 00:52:21.0	25.57
06/20/04 01:22:21.0	25.60
06/20/04 01:52:21.0	25.67
06/20/04 02:22:21.0	25.65
06/20/04 02:52:21.0	25.67
06/20/04 03:22:21.0	25.72

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/20/04 03:52:21.0	25.72
06/20/04 04:22:21.0	25.72
06/20/04 04:52:21.0	25.94
06/20/04 05:22:21.0	25.96
06/20/04 05:52:21.0	25.94
06/20/04 06:22:21.0	25.94
06/20/04 06:52:21.0	25.84
06/20/04 07:22:21.0	25.74
06/20/04 07:52:21.0	25.57
06/20/04 08:22:21.0	25.48
06/20/04 08:52:21.0	25.43
06/20/04 09:22:21.0	25.45
06/20/04 09:52:21.0	25.36
06/20/04 10:22:21.0	25.19
06/20/04 10:52:21.0	25.04
06/20/04 11:22:21.0	25.14
06/20/04 11:52:21.0	25.16
06/20/04 12:22:21.0	24.94
06/20/04 12:52:21.0	24.94
06/20/04 13:22:21.0	25.02
06/20/04 13:52:21.0	25.02
06/20/04 14:22:21.0	25.04
06/20/04 14:52:21.0	25.07
06/20/04 15:22:21.0	25.07
06/20/04 15:52:21.0	25.09
06/20/04 16:22:21.0	25.11
06/20/04 16:52:21.0	25.11
06/20/04 17:22:21.0	25.11
06/20/04 17:52:21.0	25.11
06/20/04 18:22:21.0	24.87
06/20/04 18:52:21.0	24.90
06/20/04 19:22:21.0	24.87
06/20/04 19:52:21.0	24.92
06/20/04 20:22:21.0	24.87
06/20/04 20:52:21.0	24.92
06/20/04 21:22:21.0	24.90
06/20/04 21:52:21.0	24.97
06/20/04 22:22:21.0	24.94
06/20/04 22:52:21.0	24.97
06/20/04 23:22:21.0	24.97
06/20/04 23:52:21.0	24.99
06/21/04 00:22:21.0	25.07
06/21/04 00:52:21.0	25.07
06/21/04 01:22:21.0	25.09
06/21/04 01:52:21.0	25.09
06/21/04 02:22:21.0	25.09
06/21/04 02:52:21.0	25.11
06/21/04 03:22:21.0	25.11
06/21/04 03:52:21.0	25.19
06/21/04 04:22:21.0	25.14
06/21/04 04:52:21.0	25.14
06/21/04 05:22:21.0	25.16
06/21/04 05:52:21.0	25.16
06/21/04 06:22:21.0	25.19
06/21/04 06:52:21.0	25.23
06/21/04 07:22:21.0	25.26
06/21/04 07:52:21.0	25.33
06/21/04 08:22:21.0	25.33
06/21/04 08:52:21.0	25.38

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	**Temperature (ºC)**
06/21/04 09:22:21.0	25.38
06/21/04 09:52:21.0	25.45
06/21/04 10:22:21.0	25.45
06/21/04 10:52:21.0	25.23
06/21/04 11:22:21.0	25.33
06/21/04 11:52:21.0	25.28
06/21/04 12:22:21.0	25.33
06/21/04 12:52:21.0	25.36
06/21/04 13:22:21.0	25.38
06/21/04 13:52:21.0	25.40
06/21/04 14:22:21.0	25.43
06/21/04 14:52:21.0	25.43
06/21/04 15:22:21.0	25.48
06/21/04 15:52:21.0	25.45
06/21/04 16:22:21.0	25.48
06/21/04 16:52:21.0	25.50
06/21/04 17:22:21.0	25.57
06/21/04 17:52:21.0	25.48
06/21/04 18:22:21.0	25.94
06/21/04 18:52:21.0	25.89
06/21/04 19:22:21.0	25.96
06/21/04 19:52:21.0	26.09
06/21/04 20:22:21.0	26.23
06/21/04 20:52:21.0	26.30
06/21/04 21:22:21.0	26.40
06/21/04 21:52:21.0	26.40
06/21/04 22:22:21.0	26.40
06/21/04 22:52:21.0	26.30
06/21/04 23:22:21.0	26.26
06/21/04 23:52:21.0	26.11
06/22/04 00:22:21.0	25.79
06/22/04 00:52:21.0	25.67
06/22/04 01:22:21.0	25.72
06/22/04 01:52:21.0	25.67
06/22/04 02:22:21.0	25.60
06/22/04 02:52:21.0	25.60
06/22/04 03:22:21.0	25.67
06/22/04 03:52:21.0	25.77
06/22/04 04:22:21.0	25.87
06/22/04 04:52:21.0	25.87
06/22/04 05:22:21.0	25.84
06/22/04 05:52:21.0	25.87
06/22/04 06:22:21.0	25.89
06/22/04 06:52:21.0	25.99
06/22/04 07:22:21.0	25.94
06/22/04 07:52:21.0	25.96
06/22/04 08:22:21.0	25.84
06/22/04 08:52:21.0	25.79
06/22/04 09:22:21.0	25.79
06/22/04 09:52:21.0	25.84
06/22/04 10:22:21.0	25.84
06/22/04 10:52:21.0	25.87
06/22/04 11:22:21.0	25.91
06/22/04 11:52:21.0	25.91
06/22/04 12:22:21.0	25.94
06/22/04 12:52:21.0	25.99
06/22/04 13:22:21.0	26.01
06/22/04 13:52:21.0	26.04
06/22/04 14:22:21.0	25.87

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/22/04 14:52:21.0	25.79
06/22/04 15:22:21.0	25.70
06/22/04 15:52:21.0	25.57
06/22/04 16:22:21.0	25.74
06/22/04 16:52:21.0	25.84
06/22/04 17:22:21.0	26.01
06/22/04 17:52:21.0	26.16
06/22/04 18:22:21.0	26.21
06/22/04 18:52:21.0	26.30
06/22/04 19:22:21.0	26.45
06/22/04 19:52:21.0	26.55
06/22/04 20:22:21.0	26.65
06/22/04 20:52:21.0	26.74
06/22/04 21:22:21.0	26.67
06/22/04 21:52:21.0	26.57
06/22/04 22:22:21.0	26.79
06/22/04 22:52:21.0	27.06
06/22/04 23:22:21.0	27.31
06/22/04 23:52:21.0	27.58
06/23/04 00:22:21.0	27.68
06/23/04 00:52:21.0	27.75
06/23/04 01:22:21.0	27.75
06/23/04 01:52:21.0	27.73
06/23/04 02:22:21.0	27.78
06/23/04 02:52:21.0	27.73
06/23/04 03:22:21.0	27.70
06/23/04 03:52:21.0	27.73
06/23/04 04:22:21.0	27.68
06/23/04 04:52:21.0	27.65
06/23/04 05:22:21.0	27.65
06/23/04 05:52:21.0	27.70
06/23/04 06:22:21.0	27.78
06/23/04 06:52:21.0	27.78
06/23/04 07:22:21.0	27.83
06/23/04 07:52:21.0	27.70
06/23/04 08:22:21.0	27.78
06/23/04 08:52:21.0	27.85
06/23/04 09:22:21.0	28.00
06/23/04 09:52:21.0	28.07
06/23/04 10:22:21.0	28.10
06/23/04 10:52:21.0	28.15
06/23/04 11:22:21.0	28.20
06/23/04 11:52:21.0	28.10
06/23/04 12:22:21.0	27.92
06/23/04 12:52:21.0	27.97
06/23/04 13:22:21.0	28.07
06/23/04 13:52:21.0	28.15
06/23/04 14:22:21.0	28.15
06/23/04 14:52:21.0	28.12
06/23/04 15:22:21.0	28.10
06/23/04 15:52:21.0	28.05
06/23/04 16:22:21.0	28.05
06/23/04 16:52:21.0	28.05
06/23/04 17:22:21.0	28.05
06/23/04 17:52:21.0	28.05
06/23/04 18:22:21.0	28.05
06/23/04 18:52:21.0	28.07
06/23/04 19:22:21.0	28.05
06/23/04 19:52:21.0	28.05

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/23/04 20:22:21.0	28.12
06/23/04 20:52:21.0	28.10
06/23/04 21:22:21.0	28.05
06/23/04 21:52:21.0	28.02
06/23/04 22:22:21.0	27.97
06/23/04 22:52:21.0	27.92
06/23/04 23:22:21.0	27.90
06/23/04 23:52:21.0	27.92
06/24/04 00:22:21.0	27.92
06/24/04 00:52:21.0	27.95
06/24/04 01:22:21.0	27.97
06/24/04 01:52:21.0	27.97
06/24/04 02:22:21.0	28.00
06/24/04 02:52:21.0	28.02
06/24/04 03:22:21.0	28.02
06/24/04 03:52:21.0	28.02
06/24/04 04:22:21.0	28.02
06/24/04 04:52:21.0	28.02
06/24/04 05:22:21.0	28.00
06/24/04 05:52:21.0	28.02
06/24/04 06:22:21.0	27.97
06/24/04 06:52:21.0	28.00
06/24/04 07:22:21.0	27.97
06/24/04 07:52:21.0	28.00
06/24/04 08:22:21.0	28.00
06/24/04 08:52:21.0	27.97
06/24/04 09:22:21.0	27.36
06/24/04 09:52:21.0	27.46
06/24/04 10:22:21.0	27.16
06/24/04 10:52:21.0	26.87
06/24/04 11:22:21.0	26.94
06/24/04 11:52:21.0	26.82
06/24/04 12:22:21.0	26.87
06/24/04 12:52:21.0	26.84
06/24/04 13:22:21.0	26.89
06/24/04 13:52:21.0	26.89
06/24/04 14:22:21.0	26.92
06/24/04 14:52:21.0	26.97
06/24/04 15:22:21.0	26.97
06/24/04 15:52:21.0	27.26
06/24/04 16:22:21.0	27.24
06/24/04 16:52:21.0	27.24
06/24/04 17:22:21.0	27.26
06/24/04 17:52:21.0	27.24
06/24/04 18:22:21.0	27.26
06/24/04 18:52:21.0	27.26
06/24/04 19:22:21.0	27.28
06/24/04 19:52:21.0	27.28
06/24/04 20:22:21.0	27.28
06/24/04 20:52:21.0	27.28
06/24/04 21:22:21.0	27.28
06/24/04 21:52:21.0	27.28
06/24/04 22:22:21.0	27.41
06/24/04 22:52:21.0	27.36
06/24/04 23:22:21.0	27.46
06/24/04 23:52:21.0	27.41
06/25/04 00:22:21.0	27.43
06/25/04 00:52:21.0	27.51
06/25/04 01:22:21.0	27.58

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/25/04 01:52:21.0	27.70
06/25/04 02:22:21.0	27.65
06/25/04 02:52:21.0	27.68
06/25/04 03:22:21.0	27.26
06/25/04 03:52:21.0	27.31
06/25/04 04:22:21.0	27.41
06/25/04 04:52:21.0	27.41
06/25/04 05:22:21.0	27.46
06/25/04 05:52:21.0	27.48
06/25/04 06:22:21.0	27.36
06/25/04 06:52:21.0	27.41
06/25/04 07:22:21.0	27.46
06/25/04 07:52:21.0	27.46
06/25/04 08:22:21.0	27.55
06/25/04 08:52:21.0	27.53
06/25/04 09:22:21.0	27.58
06/25/04 09:52:21.0	27.60
06/25/04 10:22:21.0	27.60
06/25/04 10:52:21.0	27.65
06/25/04 11:22:21.0	27.33
06/25/04 11:52:21.0	27.28
06/25/04 12:22:21.0	27.33
06/25/04 12:52:21.0	27.31
06/25/04 13:22:21.0	27.24
06/25/04 13:52:21.0	27.51
06/25/04 14:22:21.0	27.68
06/25/04 14:52:21.0	27.58
06/25/04 15:22:21.0	27.68
06/25/04 15:52:21.0	27.58
06/25/04 16:22:21.0	27.48
06/25/04 16:52:21.0	27.36
06/25/04 17:22:21.0	27.38
06/25/04 17:52:21.0	27.36
06/25/04 18:22:21.0	27.33
06/25/04 18:52:21.0	27.33
06/25/04 19:22:21.0	27.38
06/25/04 19:52:21.0	27.36
06/25/04 20:22:21.0	27.31
06/25/04 20:52:21.0	27.31
06/25/04 21:22:21.0	27.31
06/25/04 21:52:21.0	27.28
06/25/04 22:22:21.0	27.16
06/25/04 22:52:21.0	27.16
06/25/04 23:22:21.0	27.26
06/25/04 23:52:21.0	27.36
06/26/04 00:22:21.0	27.26
06/26/04 00:52:21.0	27.24
06/26/04 01:22:21.0	27.21
06/26/04 01:52:21.0	27.21
06/26/04 02:22:21.0	27.21
06/26/04 02:52:21.0	27.21
06/26/04 03:22:21.0	27.21
06/26/04 03:52:21.0	27.43
06/26/04 04:22:21.0	27.70
06/26/04 04:52:21.0	27.68
06/26/04 05:22:21.0	27.68
06/26/04 05:52:21.0	27.65
06/26/04 06:22:21.0	27.65
06/26/04 06:52:21.0	27.63

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/26/04 07:22:21.0	27.60
06/26/04 07:52:21.0	27.58
06/26/04 08:22:21.0	27.53
06/26/04 08:52:21.0	27.48
06/26/04 09:22:21.0	26.62
06/26/04 09:52:21.0	26.57
06/26/04 10:22:21.0	26.57
06/26/04 10:52:21.0	26.99
06/26/04 11:22:21.0	27.33
06/26/04 11:52:21.0	27.28
06/26/04 12:22:21.0	27.28
06/26/04 12:52:21.0	27.33
06/26/04 13:22:21.0	27.36
06/26/04 13:52:21.0	27.36
06/26/04 14:22:21.0	27.36
06/26/04 14:52:21.0	27.36
06/26/04 15:22:21.0	27.38
06/26/04 15:52:21.0	27.38
06/26/04 16:22:21.0	27.38
06/26/04 16:52:21.0	27.36
06/26/04 17:22:21.0	27.36
06/26/04 17:52:21.0	27.36
06/26/04 18:22:21.0	27.38
06/26/04 18:52:21.0	27.01
06/26/04 19:22:21.0	26.99
06/26/04 19:52:21.0	26.92
06/26/04 20:22:21.0	26.89
06/26/04 20:52:21.0	26.89
06/26/04 21:22:21.0	26.79
06/26/04 21:52:21.0	26.84
06/26/04 22:22:21.0	26.79
06/26/04 22:52:21.0	26.92
06/26/04 23:22:21.0	26.89
06/26/04 23:52:21.0	26.84
06/27/04 00:22:21.0	26.92
06/27/04 00:52:21.0	26.97
06/27/04 01:22:21.0	26.99
06/27/04 01:52:21.0	26.99
06/27/04 02:22:21.0	26.99
06/27/04 02:52:21.0	26.99
06/27/04 03:22:21.0	26.92
06/27/04 03:52:21.0	26.89
06/27/04 04:22:21.0	26.89
06/27/04 04:52:21.0	26.87
06/27/04 05:22:21.0	26.89
06/27/04 05:52:21.0	26.87
06/27/04 06:22:21.0	26.89
06/27/04 06:52:21.0	26.87
06/27/04 07:22:21.0	26.84
06/27/04 07:52:21.0	26.87
06/27/04 08:22:21.0	26.89
06/27/04 08:52:21.0	26.92
06/27/04 09:22:21.0	26.92
06/27/04 09:52:21.0	26.94
06/27/04 10:22:21.0	27.04
06/27/04 10:52:21.0	27.24
06/27/04 11:22:21.0	27.24
06/27/04 11:52:21.0	27.21
06/27/04 12:22:21.0	27.16

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/27/04 12:52:21.0	27.14
06/27/04 13:22:21.0	27.16
06/27/04 13:52:21.0	27.16
06/27/04 14:22:21.0	27.11
06/27/04 14:52:21.0	27.11
06/27/04 15:22:21.0	27.14
06/27/04 15:52:21.0	27.24
06/27/04 16:22:21.0	27.28
06/27/04 16:52:21.0	27.24
06/27/04 17:22:21.0	27.33
06/27/04 17:52:21.0	27.36
06/27/04 18:22:21.0	27.41
06/27/04 18:52:21.0	27.33
06/27/04 19:22:21.0	27.38
06/27/04 19:52:21.0	27.38
06/27/04 20:22:21.0	27.36
06/27/04 20:52:21.0	27.31
06/27/04 21:22:21.0	27.16
06/27/04 21:52:21.0	27.06
06/27/04 22:22:21.0	27.06
06/27/04 22:52:21.0	27.16
06/27/04 23:22:21.0	27.24
06/27/04 23:52:21.0	27.33
06/28/04 00:22:21.0	27.33
06/28/04 00:52:21.0	27.38
06/28/04 01:22:21.0	27.33
06/28/04 01:52:21.0	27.31
06/28/04 02:22:21.0	27.14
06/28/04 02:52:21.0	27.11
06/28/04 03:22:21.0	27.01
06/28/04 03:52:21.0	26.84
06/28/04 04:22:21.0	26.82
06/28/04 04:52:21.0	26.65
06/28/04 05:22:21.0	26.57
06/28/04 05:52:21.0	26.55
06/28/04 06:22:21.0	26.57
06/28/04 06:52:21.0	26.50
06/28/04 07:22:21.0	26.60
06/28/04 07:52:21.0	26.70
06/28/04 08:22:21.0	26.67
06/28/04 08:52:21.0	26.57
06/28/04 09:22:21.0	26.57
06/28/04 09:52:21.0	26.60
06/28/04 10:22:21.0	26.62
06/28/04 10:52:21.0	26.65
06/28/04 11:22:21.0	26.67
06/28/04 11:52:21.0	26.72
06/28/04 12:22:21.0	26.79
06/28/04 12:52:21.0	26.82
06/28/04 13:22:21.0	26.82
06/28/04 13:52:21.0	26.87
06/28/04 14:22:21.0	26.89
06/28/04 14:52:21.0	26.89
06/28/04 15:22:21.0	26.92
06/28/04 15:52:21.0	26.94
06/28/04 16:22:21.0	26.94
06/28/04 16:52:21.0	26.97
06/28/04 17:22:21.0	26.97
06/28/04 17:52:21.0	27.58

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/28/04 18:22:21.0	27.63
06/28/04 18:52:21.0	27.73
06/28/04 19:22:21.0	27.75
06/28/04 19:52:21.0	27.78
06/28/04 20:22:21.0	27.83
06/28/04 20:52:21.0	27.83
06/28/04 21:22:21.0	27.85
06/28/04 21:52:21.0	27.90
06/28/04 22:22:21.0	27.92
06/28/04 22:52:21.0	27.88
06/28/04 23:22:21.0	27.97
06/28/04 23:52:21.0	27.83
06/29/04 00:22:21.0	27.83
06/29/04 00:52:21.0	27.92
06/29/04 01:22:21.0	27.95
06/29/04 01:52:21.0	27.92
06/29/04 02:22:21.0	27.88
06/29/04 02:52:21.0	27.92
06/29/04 03:22:21.0	27.88
06/29/04 03:52:21.0	27.80
06/29/04 04:22:21.0	27.75
06/29/04 04:52:21.0	27.73
06/29/04 05:22:21.0	27.78
06/29/04 05:52:21.0	27.80
06/29/04 06:22:21.0	27.80
06/29/04 06:52:21.0	27.80
06/29/04 07:22:21.0	27.73
06/29/04 07:52:21.0	27.65
06/29/04 08:22:21.0	27.63
06/29/04 08:52:21.0	27.63
06/29/04 09:22:21.0	27.63
06/29/04 09:52:21.0	27.63
06/29/04 10:22:21.0	27.60
06/29/04 10:52:21.0	27.60
06/29/04 11:22:21.0	27.51
06/29/04 11:52:21.0	27.28
06/29/04 12:22:21.0	27.26
06/29/04 12:52:21.0	27.14
06/29/04 13:22:21.0	26.97
06/29/04 13:52:21.0	26.92
06/29/04 14:22:21.0	26.94
06/29/04 14:52:21.0	26.84
06/29/04 15:22:21.0	26.84
06/29/04 15:52:21.0	26.94
06/29/04 16:22:21.0	27.14
06/29/04 16:52:21.0	27.33
06/29/04 17:22:21.0	27.43
06/29/04 17:52:21.0	27.51
06/29/04 18:22:21.0	27.55
06/29/04 18:52:21.0	27.58
06/29/04 19:22:21.0	27.55
06/29/04 19:52:21.0	27.55
06/29/04 20:22:21.0	27.53
06/29/04 20:52:21.0	27.55
06/29/04 21:22:21.0	27.53
06/29/04 21:52:21.0	27.55
06/29/04 22:22:21.0	27.55
06/29/04 22:52:21.0	27.78
06/29/04 23:22:21.0	27.78

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
06/29/04 23:52:21.0	27.88
06/30/04 00:22:21.0	27.88
06/30/04 00:52:21.0	27.90
06/30/04 01:22:21.0	27.90
06/30/04 01:52:21.0	27.95
06/30/04 02:22:21.0	28.02
06/30/04 02:52:21.0	28.05
06/30/04 03:22:21.0	28.07
06/30/04 03:52:21.0	28.02
06/30/04 04:22:21.0	27.97
06/30/04 04:52:21.0	27.97
06/30/04 05:22:21.0	27.95
06/30/04 05:52:21.0	27.92
06/30/04 06:22:21.0	27.90
06/30/04 06:52:21.0	27.85
06/30/04 07:22:21.0	27.80
06/30/04 07:52:21.0	27.68
06/30/04 08:22:21.0	27.60
06/30/04 08:52:21.0	27.46
06/30/04 09:22:21.0	27.36
06/30/04 09:52:21.0	27.36
06/30/04 10:22:21.0	27.43
06/30/04 10:52:21.0	27.38
06/30/04 11:22:21.0	27.51
06/30/04 11:52:21.0	27.55
06/30/04 12:22:21.0	27.53
06/30/04 12:52:21.0	27.58
06/30/04 13:22:21.0	27.51
06/30/04 13:52:21.0	27.48
06/30/04 14:22:21.0	27.48
06/30/04 14:52:21.0	27.51
06/30/04 15:22:21.0	27.41
06/30/04 15:52:21.0	27.31
06/30/04 16:22:21.0	27.28
06/30/04 16:52:21.0	27.31
06/30/04 17:22:21.0	27.28
06/30/04 17:52:21.0	27.33
06/30/04 18:22:21.0	27.36
06/30/04 18:52:21.0	27.36
06/30/04 19:22:21.0	27.38
06/30/04 19:52:21.0	27.38
06/30/04 20:22:21.0	27.38
06/30/04 20:52:21.0	27.38
06/30/04 21:22:21.0	27.38
06/30/04 21:52:21.0	27.38
06/30/04 22:22:21.0	27.38
06/30/04 22:52:21.0	27.51
06/30/04 23:22:21.0	27.78
06/30/04 23:52:21.0	28.07
07/01/04 00:22:21.0	28.12
07/01/04 00:52:21.0	28.15
07/01/04 01:22:21.0	28.17
07/01/04 01:52:21.0	28.17
07/01/04 02:22:21.0	28.12
07/01/04 02:52:21.0	28.05
07/01/04 03:22:21.0	28.05
07/01/04 03:52:21.0	28.07
07/01/04 04:22:21.0	28.07
07/01/04 04:52:21.0	28.07

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/01/04 05:22:21.0	28.07
07/01/04 05:52:21.0	28.07
07/01/04 06:22:21.0	28.02
07/01/04 06:52:21.0	27.95
07/01/04 07:22:21.0	27.92
07/01/04 07:52:21.0	27.92
07/01/04 08:22:21.0	27.83
07/01/04 08:52:21.0	27.80
07/01/04 09:22:21.0	27.85
07/01/04 09:52:21.0	27.90
07/01/04 10:22:21.0	27.92
07/01/04 10:52:21.0	27.92
07/01/04 11:22:21.0	27.92
07/01/04 11:52:21.0	27.92
07/01/04 12:22:21.0	27.92
07/01/04 12:52:21.0	27.90
07/01/04 13:22:21.0	27.85
07/01/04 13:52:21.0	27.83
07/01/04 14:22:21.0	27.75
07/01/04 14:52:21.0	27.73
07/01/04 15:22:21.0	27.75
07/01/04 15:52:21.0	27.73
07/01/04 16:22:21.0	27.75
07/01/04 16:52:21.0	27.75
07/01/04 17:22:21.0	27.70
07/01/04 17:52:21.0	27.68
07/01/04 18:22:21.0	27.63
07/01/04 18:52:21.0	27.60
07/01/04 19:22:21.0	27.48
07/01/04 19:52:21.0	27.48
07/01/04 20:22:21.0	27.48
07/01/04 20:52:21.0	27.48
07/01/04 21:22:21.0	27.51
07/01/04 21:52:21.0	27.58
07/01/04 22:22:21.0	27.58
07/01/04 22:52:21.0	27.68
07/01/04 23:22:21.0	27.70
07/01/04 23:52:21.0	27.78
07/02/04 00:22:21.0	27.78
07/02/04 00:52:21.0	27.80
07/02/04 01:22:21.0	27.80
07/02/04 01:52:21.0	27.83
07/02/04 02:22:21.0	27.83
07/02/04 02:52:21.0	27.85
07/02/04 03:22:21.0	27.85
07/02/04 03:52:21.0	27.85
07/02/04 04:22:21.0	27.78
07/02/04 04:52:21.0	27.75
07/02/04 05:22:21.0	27.75
07/02/04 05:52:21.0	27.75
07/02/04 06:22:21.0	27.78
07/02/04 06:52:21.0	27.80
07/02/04 07:22:21.0	27.83
07/02/04 07:52:21.0	27.85
07/02/04 08:22:21.0	27.88
07/02/04 08:52:21.0	27.92
07/02/04 09:22:21.0	27.97
07/02/04 09:52:21.0	28.00
07/02/04 10:22:21.0	28.12

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/02/04 10:52:21.0	28.20
07/02/04 11:22:21.0	28.30
07/02/04 11:52:21.0	28.35
07/02/04 12:22:21.0	28.39
07/02/04 12:52:21.0	28.44
07/02/04 13:22:21.0	28.44
07/02/04 13:52:21.0	28.39
07/02/04 14:22:21.0	28.37
07/02/04 14:52:21.0	27.97
07/02/04 15:22:21.0	27.60
07/02/04 15:52:21.0	27.65
07/02/04 16:22:21.0	27.70
07/02/04 16:52:21.0	27.70
07/02/04 17:22:21.0	27.70
07/02/04 17:52:21.0	27.70
07/02/04 18:22:21.0	27.68
07/02/04 18:52:21.0	27.68
07/02/04 19:22:21.0	27.70
07/02/04 19:52:21.0	27.70
07/02/04 20:22:21.0	27.73
07/02/04 20:52:21.0	27.73
07/02/04 21:22:21.0	27.73
07/02/04 21:52:21.0	27.75
07/02/04 22:22:21.0	27.75
07/02/04 22:52:21.0	27.75
07/02/04 23:22:21.0	27.75
07/02/04 23:52:21.0	27.75
07/03/04 00:22:21.0	27.75
07/03/04 00:52:21.0	27.75
07/03/04 01:22:21.0	27.75
07/03/04 01:52:21.0	27.78
07/03/04 02:22:21.0	27.78
07/03/04 02:52:21.0	27.80
07/03/04 03:22:21.0	27.78
07/03/04 03:52:21.0	27.83
07/03/04 04:22:21.0	27.85
07/03/04 04:52:21.0	27.83
07/03/04 05:22:21.0	27.90
07/03/04 05:52:21.0	27.90
07/03/04 06:22:21.0	27.90
07/03/04 06:52:21.0	27.92
07/03/04 07:22:21.0	27.92
07/03/04 07:52:21.0	28.10
07/03/04 08:22:21.0	28.22
07/03/04 08:52:21.0	28.35
07/03/04 09:22:21.0	28.39
07/03/04 09:52:21.0	28.44
07/03/04 10:22:21.0	28.57
07/03/04 10:52:21.0	28.62
07/03/04 11:22:21.0	28.69
07/03/04 11:52:21.0	28.79
07/03/04 12:22:21.0	28.62
07/03/04 12:52:21.0	28.64
07/03/04 13:22:21.0	28.64
07/03/04 13:52:21.0	28.62
07/03/04 14:22:21.0	28.59
07/03/04 14:52:21.0	28.57
07/03/04 15:22:21.0	28.57
07/03/04 15:52:21.0	28.47

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/03/04 16:22:21.0	28.39
07/03/04 16:52:21.0	28.35
07/03/04 17:22:21.0	28.30
07/03/04 17:52:21.0	28.35
07/03/04 18:22:21.0	28.44
07/03/04 18:52:21.0	28.44
07/03/04 19:22:21.0	28.49
07/03/04 19:52:21.0	28.49
07/03/04 20:22:21.0	28.44
07/03/04 20:52:21.0	28.42
07/03/04 21:22:21.0	28.39
07/03/04 21:52:21.0	28.39
07/03/04 22:22:21.0	28.42
07/03/04 22:52:21.0	28.42
07/03/04 23:22:21.0	28.47
07/03/04 23:52:21.0	28.52
07/04/04 00:22:21.0	28.54
07/04/04 00:52:21.0	28.57
07/04/04 01:22:21.0	28.59
07/04/04 01:52:21.0	28.59
07/04/04 02:22:21.0	28.62
07/04/04 02:52:21.0	28.62
07/04/04 03:22:21.0	28.64
07/04/04 03:52:21.0	28.64
07/04/04 04:22:21.0	28.62
07/04/04 04:52:21.0	28.59
07/04/04 05:22:21.0	28.62
07/04/04 05:52:21.0	28.67
07/04/04 06:22:21.0	28.64
07/04/04 06:52:21.0	28.64
07/04/04 07:22:21.0	28.64
07/04/04 07:52:21.0	28.67
07/04/04 08:22:21.0	28.62
07/04/04 08:52:21.0	28.57
07/04/04 09:22:21.0	28.49
07/04/04 09:52:21.0	28.44
07/04/04 10:22:21.0	28.37
07/04/04 10:52:21.0	28.39
07/04/04 11:22:21.0	28.37
07/04/04 11:52:21.0	28.37
07/04/04 12:22:21.0	28.37
07/04/04 12:52:21.0	28.39
07/04/04 13:22:21.0	28.39
07/04/04 13:52:21.0	28.44
07/04/04 14:22:21.0	28.49
07/04/04 14:52:21.0	28.54
07/04/04 15:22:21.0	28.59
07/04/04 15:52:21.0	28.62
07/04/04 16:22:21.0	28.62
07/04/04 16:52:21.0	28.67
07/04/04 17:22:21.0	28.69
07/04/04 17:52:21.0	28.69
07/04/04 18:22:21.0	28.72
07/04/04 18:52:21.0	28.72
07/04/04 19:22:21.0	28.67
07/04/04 19:52:21.0	28.52
07/04/04 20:22:21.0	28.37
07/04/04 20:52:21.0	28.30
07/04/04 21:22:21.0	28.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/04/04 21:52:21.0	28.32
07/04/04 22:22:21.0	28.35
07/04/04 22:52:21.0	28.35
07/04/04 23:22:21.0	28.35
07/04/04 23:52:21.0	28.35
07/05/04 00:22:21.0	28.35
07/05/04 00:52:21.0	28.35
07/05/04 01:22:21.0	28.37
07/05/04 01:52:21.0	28.22
07/05/04 02:22:21.0	28.17
07/05/04 02:52:21.0	28.12
07/05/04 03:22:21.0	28.07
07/05/04 03:52:21.0	28.05
07/05/04 04:22:21.0	28.00
07/05/04 04:52:21.0	27.97
07/05/04 05:22:21.0	27.97
07/05/04 05:52:21.0	28.00
07/05/04 06:22:21.0	28.02
07/05/04 06:52:21.0	28.05
07/05/04 07:22:21.0	28.07
07/05/04 07:52:21.0	28.22
07/05/04 08:22:21.0	28.20
07/05/04 08:52:21.0	28.20
07/05/04 09:22:21.0	28.25
07/05/04 09:52:21.0	28.30
07/05/04 10:22:21.0	28.32
07/05/04 10:52:21.0	28.37
07/05/04 11:22:21.0	28.39
07/05/04 11:52:21.0	28.47
07/05/04 12:22:21.0	28.49
07/05/04 12:52:21.0	28.44
07/05/04 13:22:21.0	28.35
07/05/04 13:52:21.0	28.20
07/05/04 14:22:21.0	28.17
07/05/04 14:52:21.0	28.30
07/05/04 15:22:21.0	28.30
07/05/04 15:52:21.0	28.30
07/05/04 16:22:21.0	28.37
07/05/04 16:52:21.0	28.57
07/05/04 17:22:21.0	28.54
07/05/04 17:52:21.0	28.49
07/05/04 18:22:21.0	28.49
07/05/04 18:52:21.0	28.47
07/05/04 19:22:21.0	28.10
07/05/04 19:52:21.0	28.07
07/05/04 20:22:21.0	28.22
07/05/04 20:52:21.0	28.17
07/05/04 21:22:21.0	28.30
07/05/04 21:52:21.0	27.95
07/05/04 22:22:21.0	27.55
07/05/04 22:52:21.0	27.70
07/05/04 23:22:21.0	27.53
07/05/04 23:52:21.0	27.51
07/06/04 00:22:21.0	27.53
07/06/04 00:52:21.0	27.55
07/06/04 01:22:21.0	27.65
07/06/04 01:52:21.0	27.70
07/06/04 02:22:21.0	27.80
07/06/04 02:52:21.0	27.78

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/06/04 03:22:21.0	27.78
07/06/04 03:52:21.0	27.80
07/06/04 04:22:21.0	27.83
07/06/04 04:52:21.0	27.01
07/06/04 05:22:21.0	27.09
07/06/04 05:52:21.0	27.16
07/06/04 06:22:21.0	27.11
07/06/04 06:52:21.0	27.19
07/06/04 07:22:21.0	26.38
07/06/04 07:52:21.0	26.48
07/06/04 08:22:21.0	26.52
07/06/04 08:52:21.0	26.57
07/06/04 09:22:21.0	26.67
07/06/04 09:52:21.0	26.72
07/06/04 10:22:21.0	26.74
07/06/04 10:52:21.0	26.97
07/06/04 11:22:21.0	27.09
07/06/04 11:52:21.0	27.38
07/06/04 12:22:21.0	27.55
07/06/04 12:52:21.0	27.60
07/06/04 13:22:21.0	27.58
07/06/04 13:52:21.0	27.60
07/06/04 14:22:21.0	27.63
07/06/04 14:52:21.0	27.60
07/06/04 15:22:21.0	27.60
07/06/04 15:52:21.0	27.65
07/06/04 16:22:21.0	27.70
07/06/04 16:52:21.0	27.75
07/06/04 17:22:21.0	27.83
07/06/04 17:52:21.0	27.80
07/06/04 18:22:21.0	28.00
07/06/04 18:52:21.0	28.05
07/06/04 19:22:21.0	28.20
07/06/04 19:52:21.0	28.15
07/06/04 20:22:21.0	27.97
07/06/04 20:52:21.0	27.65
07/06/04 21:22:21.0	27.43
07/06/04 21:52:21.0	27.31
07/06/04 22:22:21.0	27.28
07/06/04 22:52:21.0	27.31
07/06/04 23:22:21.0	27.21
07/06/04 23:52:21.0	27.19
07/07/04 00:22:21.0	27.21
07/07/04 00:52:21.0	27.28
07/07/04 01:22:21.0	27.26
07/07/04 01:52:21.0	27.24
07/07/04 02:22:21.0	27.06
07/07/04 02:52:21.0	26.89
07/07/04 03:22:21.0	26.97
07/07/04 03:52:21.0	26.92
07/07/04 04:22:21.0	26.82
07/07/04 04:52:21.0	26.79
07/07/04 05:22:21.0	26.70
07/07/04 05:52:21.0	26.65
07/07/04 06:22:21.0	26.50
07/07/04 06:52:21.0	26.48
07/07/04 07:22:21.0	26.50
07/07/04 07:52:21.0	26.55
07/07/04 08:22:21.0	26.57

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/07/04 08:52:21.0	26.62
07/07/04 09:22:21.0	26.74
07/07/04 09:52:21.0	26.72
07/07/04 10:22:21.0	26.74
07/07/04 10:52:21.0	26.79
07/07/04 11:22:21.0	26.82
07/07/04 11:52:21.0	26.87
07/07/04 12:22:21.0	26.92
07/07/04 12:52:21.0	26.94
07/07/04 13:22:21.0	26.99
07/07/04 13:52:21.0	27.14
07/07/04 14:22:21.0	27.36
07/07/04 14:52:21.0	27.70
07/07/04 15:22:21.0	27.78
07/07/04 15:52:21.0	27.70
07/07/04 16:22:21.0	27.65
07/07/04 16:52:21.0	27.63
07/07/04 17:22:21.0	27.58
07/07/04 17:52:21.0	27.60
07/07/04 18:22:21.0	27.63
07/07/04 18:52:21.0	27.55
07/07/04 19:22:21.0	27.55
07/07/04 19:52:21.0	27.09
07/07/04 20:22:21.0	27.09
07/07/04 20:52:21.0	27.16
07/07/04 21:22:21.0	27.24
07/07/04 21:52:21.0	27.24
07/07/04 22:22:21.0	27.21
07/07/04 22:52:21.0	27.24
07/07/04 23:22:21.0	27.26
07/07/04 23:52:21.0	27.28
07/08/04 00:22:21.0	27.28
07/08/04 00:52:21.0	27.31
07/08/04 01:22:21.0	27.33
07/08/04 01:52:21.0	27.36
07/08/04 02:22:21.0	27.43
07/08/04 02:52:21.0	27.43
07/08/04 03:22:21.0	27.41
07/08/04 03:52:21.0	27.11
07/08/04 04:22:21.0	27.04
07/08/04 04:52:21.0	26.99
07/08/04 05:22:21.0	26.65
07/08/04 05:52:21.0	26.52
07/08/04 06:22:21.0	26.43
07/08/04 06:52:21.0	26.13
07/08/04 07:22:21.0	26.30
07/08/04 07:52:21.0	26.40
07/08/04 08:22:21.0	26.38
07/08/04 08:52:21.0	26.45
07/08/04 09:22:21.0	26.55
07/08/04 09:52:21.0	26.57
07/08/04 10:22:21.0	26.62
07/08/04 10:52:21.0	26.70
07/08/04 11:22:21.0	26.82
07/08/04 11:52:21.0	26.84
07/08/04 12:22:21.0	26.89
07/08/04 12:52:21.0	26.92
07/08/04 13:22:21.0	26.97
07/08/04 13:52:21.0	27.01

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/08/04 14:22:21.0	27.04
07/08/04 14:52:21.0	27.06
07/08/04 15:22:21.0	27.16
07/08/04 15:52:21.0	27.48
07/08/04 16:22:21.0	27.92
07/08/04 16:52:21.0	28.02
07/08/04 17:22:21.0	28.27
07/08/04 17:52:21.0	28.37
07/08/04 18:22:21.0	28.17
07/08/04 18:52:21.0	27.90
07/08/04 19:22:21.0	27.70
07/08/04 19:52:21.0	27.73
07/08/04 20:22:21.0	27.70
07/08/04 20:52:21.0	27.73
07/08/04 21:22:21.0	27.75
07/08/04 21:52:21.0	27.75
07/08/04 22:22:21.0	27.73
07/08/04 22:52:21.0	27.75
07/08/04 23:22:21.0	27.33
07/08/04 23:52:21.0	27.14
07/09/04 00:22:21.0	27.19
07/09/04 00:52:21.0	27.21
07/09/04 01:22:21.0	27.24
07/09/04 01:52:21.0	27.31
07/09/04 02:22:21.0	27.24
07/09/04 02:52:21.0	27.33
07/09/04 03:22:21.0	27.28
07/09/04 03:52:21.0	27.31
07/09/04 04:22:21.0	27.33
07/09/04 04:52:21.0	27.14
07/09/04 05:22:21.0	27.11
07/09/04 05:52:21.0	26.94
07/09/04 06:22:21.0	26.65
07/09/04 06:52:21.0	26.62
07/09/04 07:22:21.0	26.62
07/09/04 07:52:21.0	26.65
07/09/04 08:22:21.0	26.70
07/09/04 08:52:21.0	26.70
07/09/04 09:22:21.0	26.67
07/09/04 09:52:21.0	26.70
07/09/04 10:22:21.0	26.72
07/09/04 10:52:21.0	26.77
07/09/04 11:22:21.0	26.82
07/09/04 11:52:21.0	26.84
07/09/04 12:22:21.0	26.84
07/09/04 12:52:21.0	26.79
07/09/04 13:22:21.0	26.84
07/09/04 13:52:21.0	26.84
07/09/04 14:22:21.0	26.87
07/09/04 14:52:21.0	26.89
07/09/04 15:22:21.0	26.92
07/09/04 15:52:21.0	26.94
07/09/04 16:22:21.0	26.94
07/09/04 16:52:21.0	26.99
07/09/04 17:22:21.0	27.09
07/09/04 17:52:21.0	27.09
07/09/04 18:22:21.0	27.14
07/09/04 18:52:21.0	27.14
07/09/04 19:22:21.0	27.06

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/09/04 19:52:21.0	27.04
07/09/04 20:22:21.0	27.06
07/09/04 20:52:21.0	26.77
07/09/04 21:22:21.0	26.67
07/09/04 21:52:21.0	26.50
07/09/04 22:22:21.0	26.57
07/09/04 22:52:21.0	26.60
07/09/04 23:22:21.0	26.57
07/09/04 23:52:21.0	26.43
07/10/04 00:22:21.0	26.35
07/10/04 00:52:21.0	26.38
07/10/04 01:22:21.0	26.40
07/10/04 01:52:21.0	26.40
07/10/04 02:22:21.0	26.11
07/10/04 02:52:21.0	25.99
07/10/04 03:22:21.0	25.99
07/10/04 03:52:21.0	26.01
07/10/04 04:22:21.0	26.06
07/10/04 04:52:21.0	26.06
07/10/04 05:22:21.0	26.09
07/10/04 05:52:21.0	26.11
07/10/04 06:22:21.0	26.13
07/10/04 06:52:21.0	26.28
07/10/04 07:22:21.0	26.23
07/10/04 07:52:21.0	26.26
07/10/04 08:22:21.0	26.33
07/10/04 08:52:21.0	26.38
07/10/04 09:22:21.0	26.43
07/10/04 09:52:21.0	26.62
07/10/04 10:22:21.0	26.60
07/10/04 10:52:21.0	26.62
07/10/04 11:22:21.0	26.65
07/10/04 11:52:21.0	26.70
07/10/04 12:22:21.0	26.89
07/10/04 12:52:21.0	26.84
07/10/04 13:22:21.0	26.84
07/10/04 13:52:21.0	26.77
07/10/04 14:22:21.0	26.79
07/10/04 14:52:21.0	26.84
07/10/04 15:22:21.0	26.89
07/10/04 15:52:21.0	27.04
07/10/04 16:22:21.0	27.04
07/10/04 16:52:21.0	27.04
07/10/04 17:22:21.0	27.04
07/10/04 17:52:21.0	27.06
07/10/04 18:22:21.0	27.16
07/10/04 18:52:21.0	27.11
07/10/04 19:22:21.0	27.14
07/10/04 19:52:21.0	27.11
07/10/04 20:22:21.0	27.04
07/10/04 20:52:21.0	26.79
07/10/04 21:22:21.0	26.72
07/10/04 21:52:21.0	26.62
07/10/04 22:22:21.0	26.60
07/10/04 22:52:21.0	26.38
07/10/04 23:22:21.0	26.38
07/10/04 23:52:21.0	26.40
07/11/04 00:22:21.0	26.43
07/11/04 00:52:21.0	26.48

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/11/04 01:22:21.0	26.48
07/11/04 01:52:21.0	26.50
07/11/04 02:22:21.0	26.60
07/11/04 02:52:21.0	26.57
07/11/04 03:22:21.0	26.60
07/11/04 03:52:21.0	26.57
07/11/04 04:22:21.0	26.60
07/11/04 04:52:21.0	26.65
07/11/04 05:22:21.0	26.65
07/11/04 05:52:21.0	26.67
07/11/04 06:22:21.0	26.72
07/11/04 06:52:21.0	26.70
07/11/04 07:22:21.0	26.72
07/11/04 07:52:21.0	26.74
07/11/04 08:22:21.0	26.74
07/11/04 08:52:21.0	26.77
07/11/04 09:22:21.0	26.82
07/11/04 09:52:21.0	26.79
07/11/04 10:22:21.0	26.87
07/11/04 10:52:21.0	26.87
07/11/04 11:22:21.0	26.92
07/11/04 11:52:21.0	26.97
07/11/04 12:22:21.0	27.01
07/11/04 12:52:21.0	27.01
07/11/04 13:22:21.0	26.99
07/11/04 13:52:21.0	26.97
07/11/04 14:22:21.0	27.01
07/11/04 14:52:21.0	27.01
07/11/04 15:22:21.0	27.04
07/11/04 15:52:21.0	27.04
07/11/04 16:22:21.0	27.06
07/11/04 16:52:21.0	27.09
07/11/04 17:22:21.0	27.09
07/11/04 17:52:21.0	27.09
07/11/04 18:22:21.0	27.16
07/11/04 18:52:21.0	27.31
07/11/04 19:22:21.0	27.36
07/11/04 19:52:21.0	27.33
07/11/04 20:22:21.0	27.33
07/11/04 20:52:21.0	27.33
07/11/04 21:22:21.0	27.21
07/11/04 21:52:21.0	27.09
07/11/04 22:22:21.0	26.48
07/11/04 22:52:21.0	26.30
07/11/04 23:22:21.0	26.35
07/11/04 23:52:21.0	26.38
07/12/04 00:22:21.0	26.38
07/12/04 00:52:21.0	26.40
07/12/04 01:22:21.0	26.40
07/12/04 01:52:21.0	26.43
07/12/04 02:22:21.0	26.45
07/12/04 02:52:21.0	26.48
07/12/04 03:22:21.0	26.55
07/12/04 03:52:21.0	26.55
07/12/04 04:22:21.0	26.57
07/12/04 04:52:21.0	26.57
07/12/04 05:22:21.0	26.67
07/12/04 05:52:21.0	26.62
07/12/04 06:22:21.0	26.62

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/12/04 06:52:21.0	26.67
07/12/04 07:22:21.0	26.67
07/12/04 07:52:21.0	26.70
07/12/04 08:22:21.0	26.74
07/12/04 08:52:21.0	26.79
07/12/04 09:22:21.0	26.82
07/12/04 09:52:21.0	26.89
07/12/04 10:22:21.0	26.92
07/12/04 10:52:21.0	26.94
07/12/04 11:22:21.0	27.06
07/12/04 11:52:21.0	27.14
07/12/04 12:22:21.0	27.14
07/12/04 12:52:21.0	27.19
07/12/04 13:22:21.0	27.33
07/12/04 13:52:21.0	27.21
07/12/04 14:22:21.0	27.26
07/12/04 14:52:21.0	27.31
07/12/04 15:22:21.0	27.33
07/12/04 15:52:21.0	27.38
07/12/04 16:22:21.0	27.43
07/12/04 16:52:21.0	27.46
07/12/04 17:22:21.0	27.48
07/12/04 17:52:21.0	27.60
07/12/04 18:22:21.0	27.55
07/12/04 18:52:21.0	27.58
07/12/04 19:22:21.0	27.60
07/12/04 19:52:21.0	27.65
07/12/04 20:22:21.0	27.65
07/12/04 20:52:21.0	27.68
07/12/04 21:22:21.0	27.70
07/12/04 21:52:21.0	27.73
07/12/04 22:22:21.0	27.75
07/12/04 22:52:21.0	27.75
07/12/04 23:22:21.0	27.80
07/12/04 23:52:21.0	27.78
07/13/04 00:22:21.0	27.80
07/13/04 00:52:21.0	27.78
07/13/04 01:22:21.0	27.90
07/13/04 01:52:21.0	27.88
07/13/04 02:22:21.0	27.90
07/13/04 02:52:21.0	27.90
07/13/04 03:22:21.0	27.88
07/13/04 03:52:21.0	27.90
07/13/04 04:22:21.0	27.55
07/13/04 04:52:21.0	27.46
07/13/04 05:22:21.0	27.33
07/13/04 05:52:21.0	27.31
07/13/04 06:22:21.0	27.36
07/13/04 06:52:21.0	27.36
07/13/04 07:22:21.0	27.43
07/13/04 07:52:21.0	27.46
07/13/04 08:22:21.0	27.53
07/13/04 08:52:21.0	27.55
07/13/04 09:22:21.0	27.60
07/13/04 09:52:21.0	27.58
07/13/04 10:22:21.0	27.65
07/13/04 10:52:21.0	27.73
07/13/04 11:22:21.0	27.78
07/13/04 11:52:21.0	27.83

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/13/04 12:22:21.0	28.02
07/13/04 12:52:21.0	28.05
07/13/04 13:22:21.0	28.05
07/13/04 13:52:21.0	28.05
07/13/04 14:22:21.0	28.02
07/13/04 14:52:21.0	27.92
07/13/04 15:22:21.0	27.63
07/13/04 15:52:21.0	27.73
07/13/04 16:22:21.0	27.75
07/13/04 16:52:21.0	27.80
07/13/04 17:22:21.0	27.85
07/13/04 17:52:21.0	27.97
07/13/04 18:22:21.0	28.00
07/13/04 18:52:21.0	28.05
07/13/04 19:22:21.0	28.02
07/13/04 19:52:21.0	28.02
07/13/04 20:22:21.0	28.02
07/13/04 20:52:21.0	28.02
07/13/04 21:22:21.0	28.02
07/13/04 21:52:21.0	28.02
07/13/04 22:22:21.0	28.02
07/13/04 22:52:21.0	28.02
07/13/04 23:22:21.0	28.02
07/13/04 23:52:21.0	28.02
07/14/04 00:22:21.0	28.02
07/14/04 00:52:21.0	28.02
07/14/04 01:22:21.0	28.05
07/14/04 01:52:21.0	28.02
07/14/04 02:22:21.0	28.05
07/14/04 02:52:21.0	28.07
07/14/04 03:22:21.0	27.65
07/14/04 03:52:21.0	27.68
07/14/04 04:22:21.0	27.33
07/14/04 04:52:21.0	27.26
07/14/04 05:22:21.0	27.26
07/14/04 05:52:21.0	27.28
07/14/04 06:22:21.0	27.38
07/14/04 06:52:21.0	27.36
07/14/04 07:22:21.0	27.38
07/14/04 07:52:21.0	27.43
07/14/04 08:22:21.0	27.46
07/14/04 08:52:21.0	27.48
07/14/04 09:22:21.0	27.51
07/14/04 09:52:21.0	27.55
07/14/04 10:22:21.0	27.63
07/14/04 10:52:21.0	27.63
07/14/04 11:22:21.0	27.73
07/14/04 11:52:21.0	27.75
07/14/04 12:22:21.0	27.90
07/14/04 12:52:21.0	27.85
07/14/04 13:22:21.0	27.90
07/14/04 13:52:21.0	27.95
07/14/04 14:22:21.0	27.92
07/14/04 14:52:21.0	27.95
07/14/04 15:22:21.0	28.02
07/14/04 15:52:21.0	28.05
07/14/04 16:22:21.0	28.05
07/14/04 16:52:21.0	28.07
07/14/04 17:22:21.0	28.10

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data March 11, 2004 - July 15, 2004	
Date/Time	Temperature (ºC)
07/14/04 17:52:21.0	28.10
07/14/04 18:22:21.0	28.12
07/14/04 18:52:21.0	28.12
07/14/04 19:22:21.0	28.12
07/14/04 19:52:21.0	28.12
07/14/04 20:22:21.0	28.15
07/14/04 20:52:21.0	28.12
07/14/04 21:22:21.0	27.92
07/14/04 21:52:21.0	27.92
07/14/04 22:22:21.0	27.90
07/14/04 22:52:21.0	27.95
07/14/04 23:22:21.0	27.97
07/14/04 23:52:21.0	27.95
07/15/04 00:22:21.0	28.00
07/15/04 00:52:21.0	28.02
07/15/04 01:22:21.0	28.02
07/15/04 01:52:21.0	28.02
07/15/04 02:22:21.0	28.00
07/15/04 02:52:21.0	27.95
07/15/04 03:22:21.0	27.97
07/15/04 03:52:21.0	27.97
07/15/04 04:22:21.0	27.95
07/15/04 04:52:21.0	27.95
07/15/04 05:22:21.0	27.95
07/15/04 05:52:21.0	27.92
07/15/04 06:22:21.0	27.51
07/15/04 06:52:21.0	27.51
07/15/04 07:22:21.0	27.55
07/15/04 07:52:21.0	27.55
07/15/04 08:22:21.0	27.63
07/15/04 08:52:21.0	27.65
07/15/04 09:22:21.0	27.65
07/15/04 09:52:21.0	27.63
07/15/04 10:22:21.0	27.70
07/15/04 10:52:21.0	27.70
07/15/04 11:22:21.0	27.70
07/15/04 11:52:21.0	27.75
07/15/04 12:22:21.0	27.80
07/15/04 12:52:21.0	28.92
07/15/04 13:22:21.C	31.89

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/15/2004	23:00:39	-10.00	162.218	101.58	93.8	8.53	44	14.74	0.018	7.01	0.3	6.4
7/15/2004	23:30:39	31.45	47.892	31.01	55.4	3.45	100	55.18	27.994	7.72	-286.4	-1.5
7/15/2004	0:00:39	30.91	48.323	31.34	22.6	1.42	49	55.07	27.909	7.73	-277.4	-1.6
7/15/2004	0:30:39	30.69	48.504	31.48	24.6	1.55	48	54.95	27.822	7.74	-190.1	-0.4
7/15/2004	1:00:39	31.30	48.005	31.10	24.6	1.54	47	54.80	27.731	7.74	-163.7	-1.6
7/15/2004	1:30:39	31.46	47.873	31.00	28.0	1.74	48	54.67	27.642	7.76	-126.1	-1.4
7/15/2004	2:00:39	30.67	48.521	31.49	29.1	1.83	48	54.55	27.544	7.77	-67.5	2.5
7/16/2004	2:30:39	31.16	48.114	31.18	28.4	1.77	48	54.50	27.517	7.77	-24.1	-1.6
7/16/2004	3:00:39	30.58	48.601	31.55	27.0	1.70	47	54.48	27.492	7.76	16.1	-1.5
7/16/2004	3:30:39	31.97	47.460	30.68	27.4	1.69	47	54.50	27.535	7.76	27.8	-1.6
7/16/2004	4:00:39	30.65	48.537	31.51	27.5	1.73	46	54.58	27.563	7.75	30.8	-1.6
7/16/2004	4:30:39	31.28	48.015	31.10	26.1	1.63	46	54.70	27.661	7.74	32.8	-1.6
7/16/2004	5:00:39	32.03	47.413	30.64	22.9	1.41	45	54.83	27.771	7.73	32.6	-1.5
7/16/2004	5:30:39	30.52	48.645	31.59	18.0	1.14	43	54.97	27.831	7.70	33.3	-1.6
7/16/2004	6:00:39	30.69	48.507	31.48	25.0	1.57	45	55.12	27.940	7.75	33.8	-1.6
7/16/2004	6:30:39	30.33	48.807	31.71	32.0	2.02	47	55.24	28.010	7.80	35.9	-1.6
7/16/2004	7:00:39	30.28	48.853	31.75	32.0	2.02	46	55.34	28.081	7.80	36.8	-1.6
7/16/2004	7:30:39	31.42	47.904	31.02	31.3	1.95	46	55.40	28.150	7.80	37.8	-1.7
7/16/2004	8:00:39	31.57	47.780	30.92	29.1	1.81	46	55.47	28.202	7.80	38.3	-1.6
7/16/2004	8:30:39	31.28	48.019	31.11	29.7	1.85	46	55.48	28.200	7.79	24.9	-1.6
7/16/2004	9:00:39	30.79	48.423	31.42	28.0	1.76	45	55.48	28.192	7.78	-36.6	-1.6
7/16/2004	9:30:39	31.56	47.787	30.93	30.3	1.89	46	55.46	28.194	7.79	-107.7	-1.7
7/16/2004	10:00:39	30.73	48.474	31.46	35.4	2.22	47	55.42	28.147	7.82	-179.8	-1.6
7/16/2004	10:30:39	32.03	47.414	30.64	34.4	2.13	47	55.38	28.146	7.82	-238.8	-1.7
7/16/2004	11:00:39	30.48	48.685	31.62	36.6	2.31	47	55.33	28.079	7.81	-253.6	-1.7
7/16/2004	11:30:39	30.70	48.499	31.48	40.1	2.52	48	55.26	28.035	7.82	-301.8	-1.7
7/16/2004	12:00:39	30.70	48.499	31.48	36.1	2.27	48	55.14	27.951	7.82	-291.5	-1.7
7/16/2004	12:30:39	31.79	47.610	30.79	37.5	2.32	48	55.03	27.903	7.83	-257.0	-1.6
7/16/2004	13:00:39	30.91	48.328	31.34	41.2	2.58	48	54.91	27.794	7.84	-199.8	-1.8
7/16/2004	13:30:39	31.40	47.918	31.03	40.7	2.54	48	54.78	27.716	7.84	-155.6	-1.8
7/16/2004	14:00:39	31.04	48.217	31.26	35.8	2.24	46	54.64	27.616	7.82	-95.4	-1.7
7/17/2004	14:30:39	31.73	47.651	30.82	34.2	2.12	46	54.55	27.570	7.81	-25.9	-1.8
7/17/2004	15:00:39	31.07	48.195	31.24	35.0	2.19	45	54.52	27.530	7.81	18.7	-1.6
7/17/2004	15:30:39	30.72	48.486	31.47	33.6	2.11	45	54.51	27.515	7.80	32.1	-1.8
7/17/2004	16:00:39	31.12	48.153	31.21	32.1	2.00	45	54.56	27.560	7.81	32.4	-1.6
7/17/2004	16:30:39	31.96	47.470	30.68	33.7	2.08	45	54.64	27.635	7.81	34.9	-1.9
7/17/2004	17:00:39	32.35	47.158	30.45	32.6	2.01	45	54.77	27.730	7.80	37.1	-1.8
7/17/2004	17:30:39	32.34	47.170	30.45	33.8	2.08	45	54.90	27.826	7.80	37.3	-1.8
7/17/2004	18:00:39	30.78	48.437	31.43	33.4	2.10	44	55.05	27.894	7.80	38.3	-1.9
7/17/2004	18:30:39	31.54	47.807	30.94	32.5	2.02	44	55.17	27.994	7.80	38.6	-1.8
7/17/2004	19:00:39	31.65	47.720	30.88	32.9	2.05	44	55.29	28.078	7.80	39.6	-1.8
7/17/2004	19:30:39	29.86	49.205	32.02	34.1	2.16	44	55.38	28.099	7.80	39.2	-1.8
7/17/2004	20:00:39	29.49	49.524	32.26	33.4	2.13	44	55.44	28.133	7.80	39.6	-1.8
7/17/2004	20:30:39	29.75	49.296	32.09	31.9	2.03	43	55.46	28.150	7.80	21.8	-1.9
7/17/2004	21:00:39	30.98	48.259	31.29	30.4	1.91	43	55.49	28.202	7.79	-8.2	-1.6
7/17/2004	21:30:39	30.13	48.976	31.84	32.0	2.03	44	55.48	28.174	7.79	-113.4	-1.7
7/17/2004	22:00:39	30.80	48.414	31.41	31.7	1.99	44	55.46	28.177	7.79	-183.5	-1.8
7/17/2004	22:30:39	30.39	48.759	31.68	33.4	2.11	44	55.43	28.149	7.80	-230.4	-1.2
7/17/2004	23:00:39	30.39	48.756	31.67	34.4	2.17	45	55.40	28.124	7.80	-74.4	-1.8
7/17/2004	23:30:39	31.14	48.135	31.20	36.2	2.26	46	55.31	28.083	7.81	-278.8	-1.8
7/17/2004	0:00:39	31.36	47.952	31.06	35.9	2.24	45	55.23	28.031	7.81	-279.9	-1.6
7/17/2004	0:30:39	31.26	48.033	31.12	38.0	2.37	46	55.15	27.974	7.82	-264.0	-1.8
7/17/2004	1:00:39	31.28	48.020	31.11	36.9	2.30	45	55.03	27.892	7.82	-240.9	-1.7
7/17/2004	1:30:39	30.43	48.721	31.65	40.4	2.55	46	54.89	27.771	7.83	-159.0	-1.7
7/17/2004	2:00:39	31.53	47.810	30.95	38.3	2.38	45	54.75	27.704	7.82	-96.9	-1.6
7/18/2004	2:30:39	30.19	48.931	31.81	37.7	2.39	45	54.65	27.601	7.81	-31.5	-1.7
7/18/2004	3:00:39	30.28	48.849	31.75	36.5	2.31	44	54.57	27.549	7.81	17.3	-1.6
7/18/2004	3:30:39	30.50	48.663	31.60	33.8	2.13	44	54.53	27.526	7.81	32.7	-1.8
7/18/2004	4:00:39	30.79	48.424	31.42	34.3	2.15	44	54.55	27.543	7.81	35.7	-1.7
7/18/2004	4:30:39	30.41	48.744	31.66	34.6	2.18	44	54.58	27.562	7.81	38.0	-1.8
7/18/2004	5:00:39	30.56	48.613	31.56	34.0	2.14	43	54.69	27.635	7.81	39.2	-1.7
7/18/2004	5:30:39	31.13	48.139	31.20	34.3	2.14	44	54.80	27.725	7.81	40.5	-1.6
7/18/2004	6:00:39	30.87	48.354	31.36	34.4	2.16	43	54.93	27.812	7.81	41.7	-1.6
7/18/2004	6:30:39	30.38	48.771	31.68	33.6	2.12	43	55.06	27.891	7.81	41.2	-1.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/18/2004	7:00:39	31.56	47.786	30.93	33.6	2.09	43	55.19	28.006	7.81	42.3	-1.7
7/18/2004	7:30:39	31.68	47.694	30.86	33.2	2.06	43	55.26	28.056	7.81	42.2	-1.6
7/18/2004	8:00:39	29.76	49.297	32.09	34.4	2.19	43	55.34	28.067	7.80	42.6	-1.6
7/18/2004	8:30:39	30.15	48.953	31.83	33.1	2.10	43	55.37	28.099	7.80	30.7	-1.3
7/18/2004	9:00:39	29.26	49.704	32.40	34.1	2.18	43	55.40	28.103	7.81	-33.1	-1.6
7/18/2004	9:30:39	29.32	49.631	32.35	33.7	2.15	43	55.41	28.105	7.80	-99.3	-1.5
7/18/2004	10:00:39	29.59	49.404	32.17	34.3	2.19	43	55.38	28.093	7.81	-174.5	-1.5
7/18/2004	10:30:39	29.50	49.360	32.14	36.1	2.30	44	55.37	28.088	7.82	-202.7	-1.5
7/18/2004	11:00:39	30.04	49.027	31.88	36.7	2.33	44	55.32	28.065	7.82	-135.1	-1.5
7/18/2004	11:30:39	30.27	48.843	31.74	37.5	2.37	45	55.27	28.035	7.82	-128.2	-1.5
7/18/2004	12:00:39	30.39	48.749	31.67	37.6	2.37	45	55.22	28.000	7.82	-123.0	-1.4
7/18/2004	12:30:39	31.09	48.158	31.21	38.0	2.38	45	55.10	27.931	7.83	-200.4	-1.5
7/18/2004	13:00:39	29.25	49.714	32.41	37.5	2.40	44	55.04	27.847	7.82	-181.8	-1.5
7/18/2004	13:30:39	30.48	48.540	31.51	37.2	2.35	44	54.90	27.785	7.83	-133.9	-1.5
7/18/2004	14:00:39	30.60	48.405	31.41	35.2	2.22	44	54.78	27.702	7.81	-42.7	-1.6
7/19/2004	14:30:39	29.57	49.266	32.07	34.9	2.22	43	54.68	27.613	7.81	-18.9	-1.5
7/19/2004	15:00:39	30.91	48.159	31.22	32.9	2.06	43	54.60	27.589	7.81	52.1	-0.5
7/19/2004	15:30:39	30.60	48.325	31.35	31.1	1.96	42	54.56	27.553	7.80	25.0	-1.7
7/19/2004	16:00:39	29.28	49.490	32.25	33.1	2.12	42	54.55	27.514	7.80	32.1	-1.6
7/19/2004	16:30:39	29.86	49.141	31.97	30.3	1.93	42	54.60	27.562	7.79	28.2	-1.8
7/19/2004	17:00:39	31.05	48.203	31.25	31.0	1.94	42	54.66	27.629	7.80	32.4	-1.6
7/19/2004	17:30:39	30.66	48.527	31.50	35.0	2.20	43	54.78	27.706	7.82	35.3	-1.7
7/19/2004	18:00:39	31.66	47.712	30.87	33.5	2.08	43	54.91	27.813	7.80	38.1	-1.7
7/19/2004	18:30:39	31.12	48.146	31.20	31.9	2.00	42	55.04	27.895	7.80	40.2	-1.8
7/19/2004	19:00:39	30.61	48.573	31.53	31.6	1.99	42	55.16	27.964	7.80	36.5	-1.8
7/19/2004	19:30:39	31.21	48.074	31.15	30.2	1.89	42	55.29	28.069	7.80	36.1	-1.8
7/19/2004	20:00:39	30.98	48.261	31.29	31.6	1.98	42	55.37	28.117	7.80	38.9	-1.8
7/19/2004	20:30:39	30.56	48.553	31.52	32.3	2.04	42	55.42	28.143	7.81	31.4	-1.8
7/19/2004	21:00:39	29.35	49.159	32.00	34.8	2.23	43	55.44	28.139	7.81	-24.8	-1.7
7/19/2004	21:30:39	30.35	48.630	31.58	32.4	2.05	42	55.45	28.164	7.81	-99.3	-1.6
7/19/2004	22:00:39	30.52	47.778	30.96	33.0	2.09	43	55.45	28.176	7.81	-106.2	-1.8
7/19/2004	22:30:39	30.90	48.040	31.13	35.1	2.20	44	55.42	28.152	7.82	-92.5	-1.6
7/19/2004	23:00:39	29.98	49.043	31.90	36.7	2.33	44	55.37	28.098	7.82	-128.6	-1.7
7/19/2004	23:30:39	31.38	47.871	31.00	38.6	2.41	55	55.33	28.098	7.83	-249.8	-1.7
7/19/2004	0:00:39	30.45	48.701	31.63	37.4	2.36	62	55.28	28.043	7.83	-240.2	-1.6
7/19/2004	0:30:39	31.74	47.642	30.82	36.4	2.26	54	55.21	28.022	7.84	-229.4	-1.8
7/19/2004	1:00:39	30.25	48.878	31.77	41.1	2.60	48	55.12	27.925	7.83	-190.1	-1.8
7/19/2004	1:30:39	31.42	47.896	31.01	35.5	2.21	45	55.02	27.888	7.82	-138.4	-1.8
7/19/2004	2:00:39	31.05	48.200	31.25	34.7	2.17	43	54.90	27.797	7.82	-77.6	-1.8
7/20/2004	2:30:39	29.81	49.248	32.05	34.8	2.21	43	54.79	27.688	7.83	-27.4	-1.8
7/20/2004	3:00:39	30.88	48.346	31.36	34.0	2.13	43	54.68	27.641	7.81	12.5	-1.8
7/20/2004	3:30:39	32.13	47.328	30.58	30.7	1.89	42	54.61	27.616	7.81	22.0	-1.8
7/20/2004	4:00:39	31.01	48.237	31.27	31.2	1.95	42	54.56	27.558	7.80	22.9	-1.8
7/20/2004	4:30:39	31.93	47.487	30.70	29.1	1.80	41	54.56	27.582	7.79	23.7	-1.8
7/20/2004	5:00:39	32.96	46.676	30.07	27.8	1.70	42	54.61	27.638	7.78	17.1	-1.8
7/20/2004	5:30:39	32.43	47.090	30.39	26.4	1.62	41	54.69	27.679	7.78	18.3	-1.7
7/20/2004	6:00:39	31.81	47.584	30.77	31.0	1.93	42	54.78	27.726	7.80	14.4	-1.6
7/20/2004	6:30:39	33.18	46.235	29.75	30.7	1.88	42	54.91	27.850	7.80	17.6	-1.8
7/20/2004	7:00:39	31.82	47.462	30.68	30.9	1.92	42	55.02	27.894	7.80	20.6	-1.8
7/20/2004	7:30:39	33.09	46.411	29.88	29.5	1.80	42	55.13	28.002	7.80	20.1	-1.9
7/20/2004	8:00:39	33.08	45.354	29.12	32.1	1.97	42	55.21	28.074	7.80	22.5	-1.8
7/20/2004	8:30:39	31.33	46.988	30.36	29.9	1.87	41	55.28	28.078	7.80	3.7	-1.8
7/20/2004	9:00:39	31.32	47.175	30.49	28.3	1.77	41	55.32	28.104	7.79	-49.5	-1.7
7/20/2004	9:30:39	31.44	47.190	30.50	33.5	2.09	46	55.32	28.101	7.80	-116.4	-1.7
7/20/2004	10:00:39	31.27	47.023	30.38	32.2	2.02	59	55.33	28.108	7.82	-181.0	-1.8
7/20/2004	10:30:39	32.85	45.922	29.54	35.4	2.17	93	55.31	28.129	7.83	-203.3	-1.8
7/20/2004	11:00:39	32.42	46.108	29.68	4.3	0.26	99	55.29	28.111	7.83	-272.4	-1.7
7/20/2004	11:30:39	31.94	46.780	30.19	28.5	1.77	99	55.26	28.075	7.84	-261.4	-1.7
7/20/2004	12:00:39	31.63	47.057	30.40	60.0	3.74	99	55.23	28.044	7.85	-308.2	-1.7
7/20/2004	12:30:39	32.24	46.131	29.71	16.9	1.05	100	55.19	28.035	7.83	-253.0	-1.7
7/20/2004	13:00:39	32.76	45.885	29.51	32.5	2.00	99	55.13	28.005	7.83	-214.2	-1.5
7/20/2004	13:30:39	32.87	46.119	29.68	41.0	2.51	96	55.08	27.971	7.83	-153.8	-1.8
7/20/2004	14:00:39	31.34	47.367	30.63	35.7	2.23	71	55.00	27.880	7.84	-95.9	-1.8
7/21/2004	14:30:39	33.05	45.335	29.11	39.7	2.44	53	54.93	27.879	7.83	-50.5	-1.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/21/2004	15:00:39	32.87	46.254	29.77	36.9	2.26	47	54.85	27.807	7.82	-6.2	-1.4
7/21/2004	15:30:39	31.48	47.018	30.37	33.2	2.07	43	54.78	27.734	7.82	9.7	-1.8
7/21/2004	16:00:39	33.05	45.824	29.46	30.6	1.87	42	54.74	27.736	7.81	9.1	-1.8
7/21/2004	16:30:39	32.75	46.304	29.81	29.6	1.82	42	54.73	27.721	7.80	11.0	-1.9
7/21/2004	17:00:39	33.13	45.905	29.51	28.2	1.73	42	54.74	27.740	7.80	12.5	-1.8
7/21/2004	17:30:39	32.19	46.528	30.00	27.5	1.70	41	54.78	27.750	7.78	15.8	-1.8
7/21/2004	18:00:39	31.77	46.807	30.21	24.9	1.55	41	54.88	27.805	7.78	16.0	-1.7
7/21/2004	18:30:39	31.73	46.950	30.32	24.9	1.55	41	54.96	27.858	7.77	18.6	-1.8
7/21/2004	19:00:39	32.15	46.490	29.97	22.8	1.41	40	55.06	27.945	7.76	15.4	-1.8
7/21/2004	19:30:39	31.88	46.756	30.17	22.5	1.40	40	55.16	28.004	7.76	17.5	-1.8
7/21/2004	20:00:39	33.27	45.781	29.42	20.5	1.25	39	55.25	28.093	7.75	15.3	-1.8
7/21/2004	20:30:39	33.27	45.638	29.32	21.7	1.32	39	55.30	28.132	7.75	0.8	-1.9
7/21/2004	21:00:39	32.60	46.052	29.64	21.5	1.32	39	55.33	28.140	7.74	-52.6	-1.6
7/21/2004	21:30:39	31.80	46.681	30.12	24.3	1.51	42	55.32	28.112	7.75	-82.1	-1.5
7/21/2004	22:00:39	31.86	46.738	30.16	21.2	1.32	99	55.30	28.103	7.75	-115.2	-1.8
7/21/2004	22:30:39	31.86	46.730	30.15	-13.0	-0.81	99	55.27	28.078	7.85	-259.6	-1.8
7/21/2004	23:00:39	32.13	46.591	30.04	10.7	0.66	99	55.23	28.059	7.83	-66.8	-1.8
7/21/2004	23:30:39	31.71	46.670	30.11	14.1	0.88	99	55.20	28.028	7.83	-58.7	-1.8
7/21/2004	0:00:39	32.02	46.460	29.95	34.3	2.13	99	55.17	28.017	7.82	-95.0	-1.1
7/21/2004	0:30:39	31.79	46.545	30.02	28.4	1.77	99	55.15	27.997	7.83	-165.4	-1.8
7/21/2004	1:00:39	33.26	45.500	29.22	25.3	1.55	99	55.10	27.997	7.83	-72.9	-1.8
7/21/2004	1:30:39	32.77	45.711	29.39	30.2	1.86	96	55.06	27.960	7.83	-86.5	-1.8
7/21/2004	2:00:39	31.79	46.648	30.10	27.9	1.74	96	55.02	27.911	7.84	-103.7	-1.6
7/22/2004	2:30:39	33.13	45.651	29.33	29.6	1.81	83	54.96	27.894	7.83	-56.4	-1.8
7/22/2004	3:00:39	33.19	45.854	29.47	32.7	2.00	62	54.91	27.857	7.83	-11.5	-1.8
7/22/2004	3:30:39	33.17	45.693	29.36	33.0	2.02	49	54.87	27.834	7.82	3.2	-1.7
7/22/2004	4:00:39	33.29	45.807	29.44	32.8	2.00	46	54.82	27.796	7.83	3.6	-1.8
7/22/2004	4:30:39	32.89	46.224	29.75	30.4	1.86	43	54.79	27.765	7.82	6.7	-1.6
7/22/2004	5:00:39	33.35	45.993	29.57	30.0	1.83	43	54.77	27.757	7.81	9.9	-1.7
7/22/2004	5:30:39	33.44	45.734	29.38	27.6	1.68	42	54.79	27.781	7.79	8.3	-1.8
7/22/2004	6:00:39	31.74	47.252	30.53	27.2	1.69	42	54.82	27.759	7.80	11.8	-1.6
7/22/2004	6:30:39	32.16	46.762	30.17	25.4	1.57	41	54.90	27.830	7.79	12.5	-1.8
7/22/2004	7:00:39	33.36	45.871	29.48	25.6	1.56	41	55.00	27.919	7.78	8.4	-1.8
7/22/2004	7:30:39	31.85	47.038	30.38	23.0	1.43	40	55.06	27.930	7.78	12.9	-1.7
7/22/2004	8:00:39	33.06	45.905	29.52	28.4	1.74	42	55.16	28.025	7.80	10.8	-1.7
7/22/2004	8:30:39	31.63	46.917	30.30	26.3	1.64	41	55.21	28.036	7.80	-3.3	-1.6
7/22/2004	9:00:39	33.22	45.626	29.31	24.7	1.51	49	55.24	28.092	7.80	-78.7	-1.7
7/22/2004	9:30:39	33.08	45.799	29.44	14.0	0.86	100	55.22	28.073	7.80	-93.5	-1.7
7/22/2004	10:00:39	33.09	45.555	29.26	13.9	0.85	99	55.22	28.073	7.80	-60.1	-1.8
7/22/2004	10:30:39	32.28	46.283	29.82	13.1	0.81	99	55.17	28.025	7.83	-179.3	-1.7
7/22/2004	11:00:39	33.99	45.451	29.16	-50.0	-3.02	99	55.14	28.030	7.85	-301.1	-1.6
7/22/2004	11:30:39	33.04	46.563	29.99	-50.0	-3.05	99	55.14	28.006	7.85	-372.6	-1.6
7/22/2004	12:00:39	33.25	46.449	29.90	-50.0	-3.05	99	55.09	27.978	7.86	-357.2	-1.8
7/22/2004	12:30:39	33.35	46.378	29.85	-50.0	-3.04	100	55.08	27.972	7.86	-312.6	-1.7
7/22/2004	13:00:39	32.46	46.490	29.96	-50.0	-3.08	100	55.06	27.943	7.85	-296.7	-1.8
7/22/2004	13:30:39	33.94	45.500	29.19	-50.0	-3.02	99	55.05	27.970	7.85	-223.0	-1.8
7/22/2004	14:00:39	32.91	45.895	29.51	-50.0	-3.07	99	55.06	27.961	7.85	-136.8	-1.8
7/23/2004	14:30:39	31.91	46.726	30.15	-43.7	-2.72	100	55.04	27.921	7.85	-75.3	-1.5
7/23/2004	15:00:39	32.70	46.137	29.70	-32.1	-1.97	99	55.03	27.929	7.84	-23.3	-1.6
7/23/2004	15:30:39	31.92	46.553	30.02	14.2	0.88	99	54.96	27.872	7.84	-6.9	-1.8
7/23/2004	16:00:39	31.96	46.634	30.08	22.0	1.36	84	54.96	27.869	7.84	-1.3	-1.8
7/23/2004	16:30:39	32.03	46.739	30.15	21.8	1.35	73	54.95	27.859	7.83	0.0	-1.8
7/23/2004	17:00:39	32.29	46.430	29.92	19.7	1.22	61	54.94	27.858	7.82	2.0	-1.8
7/23/2004	17:30:39	32.24	46.406	29.91	22.0	1.36	58	54.92	27.845	7.82	3.9	-1.8
7/23/2004	18:00:39	31.97	46.715	30.14	20.7	1.29	56	54.97	27.872	7.81	4.6	-1.8
7/23/2004	18:30:39	32.22	46.366	29.88	21.5	1.33	51	54.99	27.898	7.80	4.6	-1.8
7/23/2004	19:00:39	33.24	45.647	29.32	20.8	1.27	48	55.06	27.967	7.78	6.4	-1.8
7/23/2004	19:30:39	32.34	46.506	29.97	23.3	1.44	51	55.12	27.981	7.81	6.9	-1.8
7/23/2004	20:00:39	33.84	45.515	29.21	24.8	1.50	54	55.17	28.053	7.84	7.3	-1.7
7/23/2004	20:30:39	33.10	45.926	29.53	25.2	1.54	80	55.20	28.054	7.84	-12.6	-1.6
7/23/2004	21:00:39	34.74	44.316	28.32	-1.9	-0.11	99	55.23	28.120	7.84	-92.8	-1.6
7/23/2004	21:30:39	34.25	44.987	28.81	-50.0	-3.02	100	55.20	28.081	7.84	-171.4	-1.6
7/23/2004	22:00:39	34.07	45.450	29.15	-50.0	-3.02	99	55.16	28.044	7.84	-168.9	1.6
7/23/2004	22:30:39	32.87	46.354	29.85	-50.0	-3.06	99	55.11	27.988	7.85	-315.4	-1.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/23/2004	23:00:39	34.63	45.096	28.88	-50.0	-3.00	99	55.06	27.991	7.86	-363.0	-1.8
7/23/2004	23:30:39	34.54	45.205	28.96	-50.0	-3.00	99	55.02	27.957	7.86	-368.7	-1.6
7/23/2004	0:00:39	33.12	46.283	29.79	-50.0	-3.05	99	54.99	27.903	7.88	-365.1	-1.6
7/23/2004	0:30:39	34.21	45.734	29.35	-50.0	-3.01	99	54.97	27.915	7.88	-344.8	-1.6
7/23/2004	1:00:39	34.32	45.654	29.29	-50.0	-3.01	99	54.94	27.894	7.87	-302.3	-1.6
7/23/2004	1:30:39	34.17	45.769	29.38	-50.0	-3.01	99	54.99	27.924	7.86	-233.4	-1.7
7/23/2004	2:00:39	34.15	45.780	29.39	-50.0	-3.01	99	54.99	27.921	7.85	-158.0	-1.6
7/24/2004	2:30:39	34.01	45.881	29.46	-50.0	-3.02	99	55.03	27.948	7.84	-92.9	-1.7
7/24/2004	3:00:39	33.78	46.057	29.60	-50.0	-3.03	99	55.05	27.957	7.84	-31.8	-1.8
7/24/2004	3:30:39	33.19	46.503	29.94	-41.5	-2.53	100	55.08	27.963	7.83	-17.2	-1.7
7/24/2004	4:00:39	33.13	46.547	29.98	-41.4	-2.53	100	55.08	27.961	7.83	-12.8	-1.6
7/24/2004	4:30:39	33.11	46.558	29.98	-20.0	-1.22	99	55.09	27.968	7.83	-9.0	-1.7
7/24/2004	5:00:39	33.18	46.510	29.95	-8.2	-0.50	99	55.09	27.974	7.83	-6.5	-1.8
7/24/2004	5:30:39	33.20	46.491	29.93	-10.8	-0.66	99	55.10	27.979	7.82	-5.9	-1.8
7/24/2004	6:00:39	33.28	46.429	29.89	-8.5	-0.52	99	55.11	27.986	7.83	-4.0	-1.8
7/24/2004	6:30:39	33.25	46.455	29.91	-4.8	-0.29	99	55.13	28.005	7.82	-3.6	-1.9
7/24/2004	7:00:39	33.30	46.420	29.88	0.0	0.00	99	55.17	28.031	7.82	-2.7	-1.8
7/24/2004	7:30:39	33.29	46.423	29.88	0.9	0.05	99	55.21	28.059	7.81	-2.0	-1.8
7/24/2004	8:00:39	33.33	46.395	29.86	-4.5	-0.27	99	55.25	28.083	7.80	-1.7	-1.8
7/24/2004	8:30:39	33.56	46.219	29.72	-0.6	-0.03	99	55.27	28.103	7.80	-20.2	-1.8
7/24/2004	9:00:39	33.35	46.379	29.85	-32.9	-2.00	100	55.27	28.103	7.80	-93.8	-1.8
7/24/2004	9:30:39	33.49	46.274	29.77	-50.0	-3.04	99	55.26	28.100	7.80	-173.9	-1.8
7/24/2004	10:00:39	33.57	46.214	29.72	-50.0	-3.03	100	55.18	28.046	7.81	-252.6	-1.8
7/24/2004	10:30:39	33.81	46.034	29.58	-50.0	-3.02	99	55.13	28.017	7.82	-323.7	-1.8
7/24/2004	11:00:39	33.72	46.103	29.63	-50.0	-3.03	100	55.06	27.961	7.82	-122.1	-1.8
7/24/2004	11:30:39	33.86	46.000	29.56	-50.0	-3.02	99	55.00	27.923	7.84	-353.1	-1.8
7/24/2004	12:00:39	34.43	45.572	29.23	-50.0	-3.00	99	54.92	27.884	7.85	-265.2	-1.8
7/24/2004	12:30:39	34.52	45.512	29.18	-50.0	-3.00	99	54.89	27.864	7.86	-348.9	-1.8
7/24/2004	13:00:39	34.50	45.525	29.19	-50.0	-3.00	99	54.87	27.848	7.86	-316.9	-1.8
7/24/2004	13:30:39	34.44	45.570	29.23	-50.0	-3.00	99	54.88	27.855	7.84	-99.2	-1.8
7/24/2004	14:00:39	33.99	45.896	29.48	-50.0	-3.02	100	54.92	27.875	7.85	-164.4	-1.8
7/25/2004	14:30:39	33.75	46.075	29.61	-50.0	-3.03	99	54.99	27.915	7.83	-94.6	-1.8
7/25/2004	15:00:39	33.06	46.600	30.02	-50.0	-3.05	100	55.04	27.935	7.83	-42.7	-1.8
7/25/2004	15:30:39	32.77	46.826	30.19	-50.0	-3.06	99	55.11	27.979	7.83	-24.4	-1.8
7/25/2004	16:00:39	32.74	46.848	30.21	-50.0	-3.07	99	55.15	28.006	7.83	-18.3	-1.8
7/25/2004	16:30:39	32.80	46.800	30.17	-50.0	-3.06	99	55.17	28.017	7.83	-15.4	-1.8
7/25/2004	17:00:39	32.78	46.816	30.18	-42.4	-2.60	99	55.19	28.034	7.83	-13.4	-1.8
7/25/2004	17:30:39	32.77	46.822	30.19	-33.8	-2.07	99	55.20	28.039	7.82	-11.6	-1.6
7/25/2004	18:00:39	32.62	46.941	30.28	-33.3	-2.05	99	55.20	28.037	7.82	-10.4	-1.7
7/25/2004	18:30:39	32.66	46.909	30.25	-31.2	-1.92	99	55.20	28.037	7.82	-9.4	1420.9
7/25/2004	19:00:39	32.60	46.954	30.29	-31.3	-1.92	99	55.20	28.038	7.83	-8.2	-1.8
7/25/2004	19:30:39	32.66	46.909	30.25	-28.8	-1.77	99	55.20	28.036	7.82	-7.1	-1.7
7/25/2004	20:00:39	32.71	46.871	30.22	-30.6	-1.88	99	55.22	28.055	7.82	-6.5	-1.8
7/25/2004	20:30:39	32.64	46.923	30.27	-27.3	-1.68	100	55.21	28.042	7.81	-21.7	-1.8
7/25/2004	21:00:39	32.80	46.801	30.17	-50.0	-3.06	100	55.20	28.037	7.81	-81.1	-1.8
7/25/2004	21:30:39	32.81	46.793	30.17	-50.0	-3.06	100	55.16	28.014	7.82	-167.0	-1.5
7/25/2004	22:00:39	32.93	46.704	30.10	-50.0	-3.06	99	55.10	27.971	7.83	-235.3	-1.8
7/25/2004	22:30:39	32.95	46.688	30.08	-50.0	-3.06	99	55.00	27.908	7.84	-286.5	-1.8
7/25/2004	23:00:39	33.07	46.598	30.02	-50.0	-3.05	100	54.92	27.854	7.83	-200.9	-1.6
7/25/2004	23:30:39	33.14	46.541	29.97	-50.0	-3.05	100	54.83	27.795	7.84	-343.3	-1.6
7/25/2004	0:00:39	33.32	46.400	29.86	-50.0	-3.04	99	54.76	27.750	7.84	-356.0	-1.8
7/25/2004	0:30:39	33.17	46.515	29.95	-50.0	-3.05	99	54.69	27.698	7.84	-159.6	-1.8
7/25/2004	1:00:39	33.20	46.498	29.94	-50.0	-3.05	99	54.69	27.694	7.85	-145.7	-1.8
7/25/2004	1:30:39	33.37	46.367	29.84	-50.0	-3.04	99	54.69	27.703	7.86	-211.1	-1.8
7/25/2004	2:00:39	33.36	46.374	29.84	-50.0	-3.04	100	54.75	27.737	7.85	-151.8	-1.6
7/26/2004	2:30:39	33.10	46.566	29.99	-50.0	-3.05	100	54.84	27.800	7.84	-100.5	-1.9
7/26/2004	3:00:39	33.14	46.541	29.97	-50.0	-3.05	99	54.93	27.864	7.83	-48.7	-1.8
7/26/2004	3:30:39	32.88	46.736	30.12	-50.0	-3.06	99	55.05	27.938	7.83	-30.3	-1.9
7/26/2004	4:00:39	32.66	46.909	30.25	-50.0	-3.07	100	55.14	27.999	7.84	-25.0	-1.9
7/26/2004	4:30:39	32.64	46.922	30.26	-50.0	-3.07	99	55.15	28.002	7.84	-21.1	-1.9
7/26/2004	5:00:39	32.58	46.968	30.30	-50.0	-3.07	99	55.25	28.071	7.83	-17.9	-1.9
7/26/2004	5:30:39	32.10	47.344	30.59	-42.7	-2.64	99	55.27	28.074	7.84	-16.4	-1.8
7/26/2004	6:00:39	32.06	47.377	30.61	-43.3	-2.68	99	55.27	28.075	7.84	-15.3	-1.9
7/26/2004	6:30:39	32.33	47.163	30.45	-34.0	-2.10	100	55.25	28.065	7.82	-15.0	-1.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/26/2004	7:00:39	32.23	47.246	30.51	-23.1	-1.43	99	55.29	28.088	7.82	-13.4	-1.9
7/26/2004	7:30:39	32.28	47.204	30.48	-24.3	-1.50	100	55.27	28.074	7.82	-15.1	-1.8
7/26/2004	8:00:39	32.41	47.098	30.40	-24.9	-1.53	99	55.27	28.080	7.81	-12.6	-1.8
7/26/2004	8:30:39	32.46	47.061	30.37	-19.8	-1.22	100	55.25	28.064	7.80	-17.5	-1.9
7/26/2004	9:00:39	32.58	46.969	30.30	-19.2	-1.18	99	55.22	28.048	7.79	-63.3	-1.8
7/26/2004	9:30:39	32.71	46.865	30.22	-34.4	-2.11	99	55.18	28.025	7.80	-153.3	-1.9
7/26/2004	10:00:39	33.03	46.621	30.03	-50.0	-3.05	99	55.09	27.971	7.82	-235.8	-1.9
7/26/2004	10:30:39	33.01	46.640	30.05	-27.6	-1.69	99	55.01	27.911	7.84	-289.2	-1.8
7/26/2004	11:00:39	33.01	46.634	30.04	-20.8	-1.27	99	54.90	27.838	7.86	-327.2	-1.8
7/26/2004	11:30:39	33.24	46.461	29.91	-16.9	-1.03	99	54.80	27.776	7.85	-199.9	-1.8
7/26/2004	12:00:39	33.11	46.559	29.99	-14.3	-0.87	100	54.69	27.695	7.87	-260.9	-1.8
7/26/2004	12:30:39	32.96	46.674	30.07	-15.0	-0.92	99	54.62	27.644	7.87	-258.3	-1.8
7/26/2004	13:00:39	33.26	46.449	29.90	-4.9	-0.30	99	54.56	27.610	7.87	-285.7	-1.9
7/26/2004	13:30:39	33.03	46.621	30.03	-4.7	-0.29	99	54.54	27.590	7.87	-236.4	-1.3
7/26/2004	14:00:39	33.25	46.454	29.90	-0.3	-0.02	99	54.58	27.619	7.87	-158.6	-1.9
7/27/2004	14:30:39	33.43	46.318	29.80	-1.8	-0.11	100	54.67	27.690	7.86	-98.1	-1.8
7/27/2004	15:00:39	33.32	46.398	29.86	-5.8	-0.35	99	54.77	27.755	7.85	-64.3	-1.8
7/27/2004	15:30:39	33.30	46.415	29.87	-1.1	-0.07	99	54.91	27.851	7.83	-47.9	-1.9
7/27/2004	16:00:39	33.74	46.083	29.62	2.1	0.13	99	55.05	27.960	7.85	-45.0	-1.8
7/27/2004	16:30:39	33.59	46.200	29.71	2.5	0.15	100	55.19	28.052	7.85	-39.4	-1.8
7/27/2004	17:00:39	33.62	46.176	29.69	2.3	0.14	100	55.29	28.120	7.85	-37.2	-1.9
7/27/2004	17:30:39	32.62	46.941	30.28	4.0	0.25	99	55.36	28.148	7.84	-32.3	-1.8
7/27/2004	18:00:39	32.72	46.858	30.21	11.2	0.68	99	55.40	28.181	7.84	-29.6	-1.9
7/27/2004	18:30:39	32.82	46.779	30.15	9.5	0.58	100	55.41	28.188	7.84	-28.9	-1.9
7/27/2004	19:00:39	32.61	46.943	30.28	9.6	0.59	99	55.43	28.194	7.83	-29.0	-1.9
7/27/2004	19:30:39	32.74	46.842	30.20	9.1	0.56	99	55.41	28.184	7.83	-27.3	-1.8
7/27/2004	20:00:39	32.84	46.770	30.15	11.2	0.69	99	55.39	28.173	7.81	-28.1	-1.9
7/27/2004	20:30:39	32.94	46.692	30.09	7.8	0.48	99	55.35	28.151	7.81	-31.1	-1.9
7/27/2004	21:00:39	32.80	46.799	30.17	9.1	0.56	100	55.33	28.131	7.81	-78.5	-1.9
7/27/2004	21:30:39	33.32	46.400	29.86	5.3	0.32	99	55.29	28.111	7.82	-167.3	-1.8
7/27/2004	22:00:39	33.31	46.407	29.87	2.0	0.12	99	55.21	28.057	7.83	-248.6	-1.8
7/27/2004	22:30:39	32.95	46.685	30.08	3.2	0.20	99	55.11	27.983	7.85	-301.8	-1.9
7/27/2004	23:00:39	33.88	45.975	29.54	7.0	0.42	99	54.99	27.915	7.85	-336.7	-1.8
7/27/2004	23:30:39	33.33	46.393	29.86	5.7	0.35	99	54.85	27.808	7.87	-353.0	-1.9
7/27/2004	0:00:39	33.39	46.344	29.82	10.5	0.64	99	54.71	27.715	7.88	-362.8	-1.7
7/27/2004	0:30:39	33.60	46.188	29.70	8.1	0.49	99	54.59	27.633	7.89	-344.5	-1.9
7/27/2004	1:00:39	34.02	45.873	29.46	7.8	0.47	99	54.51	27.586	7.89	-302.2	-1.7
7/27/2004	1:30:39	33.73	46.086	29.62	7.7	0.47	99	54.45	27.539	7.89	-245.0	-1.6
7/27/2004	2:00:39	33.23	46.472	29.92	11.0	0.67	99	54.46	27.537	7.88	-190.3	-1.9
7/28/2004	2:30:39	34.03	45.866	29.45	10.5	0.63	99	54.49	27.573	7.86	-130.7	-1.9
7/28/2004	3:00:39	33.70	46.111	29.64	13.0	0.79	99	54.60	27.645	7.85	-79.7	-1.8
7/28/2004	3:30:39	34.63	45.425	29.11	10.9	0.65	99	54.75	27.771	7.84	-62.5	-1.8
7/28/2004	4:00:39	34.86	45.252	28.98	10.3	0.62	99	54.92	27.894	7.83	-57.0	-1.8
7/28/2004	4:30:39	34.30	45.667	29.30	10.0	0.60	99	55.09	27.997	7.81	-49.6	-1.9
7/28/2004	5:00:39	33.72	46.102	29.63	8.0	0.48	99	55.24	28.088	7.83	-47.4	-1.9
7/28/2004	5:30:39	33.40	46.336	29.81	14.3	0.87	100	55.34	28.151	7.84	-41.7	-1.8
7/28/2004	6:00:39	33.89	45.971	29.53	11.4	0.69	100	55.42	28.214	7.84	-40.9	-1.9
7/28/2004	6:30:39	33.63	46.160	29.68	9.5	0.58	99	55.45	28.230	7.83	-39.8	-1.9
7/28/2004	7:00:39	33.99	45.889	29.47	12.4	0.75	99	55.47	28.257	7.83	-37.9	-1.9
7/28/2004	7:30:39	33.01	46.636	30.04	13.4	0.82	99	55.46	28.228	7.83	-41.2	-1.9
7/28/2004	8:00:39	34.06	45.840	29.43	18.6	1.12	100	55.44	28.234	7.83	-35.9	-1.9
7/28/2004	8:30:39	33.40	46.340	29.82	23.0	1.40	99	55.42	28.203	7.82	-51.0	-1.8
7/28/2004	9:00:39	34.10	45.810	29.41	10.4	0.63	99	55.38	28.191	7.83	-127.9	-1.8
7/28/2004	9:30:39	33.70	46.113	29.64	15.0	0.91	99	55.33	28.150	7.86	-205.9	-1.9
7/28/2004	10:00:39	34.84	45.269	28.99	15.8	0.94	100	55.25	28.123	7.87	-269.4	-1.9
7/28/2004	10:30:39	33.57	46.216	29.72	13.9	0.84	99	55.17	28.037	7.89	-320.2	-0.8
7/28/2004	11:00:39	34.02	45.876	29.46	17.6	1.06	100	55.03	27.953	7.90	-361.1	1.1
7/28/2004	11:30:39	33.66	46.142	29.66	16.6	1.01	99	54.89	27.848	7.87	-374.2	-1.9
7/28/2004	12:00:39	33.58	46.202	29.71	15.5	0.94	99	54.74	27.741	7.88	-388.9	-1.9
7/28/2004	12:30:39	34.30	45.664	29.30	17.0	1.02	99	54.60	27.656	7.88	-374.0	-1.7
7/28/2004	13:00:39	34.64	45.414	29.11	16.5	0.99	99	54.47	27.576	7.88	-326.9	-1.9
7/28/2004	13:30:39	33.85	46.003	29.56	13.5	0.82	99	54.39	27.501	7.88	-194.2	-1.9
7/28/2004	14:00:39	34.30	45.663	29.30	13.0	0.78	99	54.33	27.469	7.88	-196.5	-1.8
7/29/2004	14:30:39	33.65	46.151	29.67	15.7	0.95	100	54.34	27.466	7.85	-128.2	-1.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/29/2004	15:00:39	34.69	45.379	29.08	14.9	0.89	99	54.42	27.539	7.84	-80.3	-1.8
7/29/2004	15:30:39	33.63	46.169	29.69	10.9	0.66	99	54.55	27.610	7.83	-64.9	-1.9
7/29/2004	16:00:39	34.67	45.394	29.09	15.8	0.94	99	54.72	27.751	7.82	-57.2	-1.8
7/29/2004	16:30:39	34.76	45.324	29.04	19.9	1.19	99	54.91	27.884	7.83	-54.0	-1.9
7/29/2004	17:00:39	34.74	45.341	29.05	18.9	1.13	99	55.10	28.017	7.83	-51.5	-1.9
7/29/2004	17:30:39	33.36	46.372	29.84	25.3	1.54	99	55.27	28.104	7.83	-49.7	-1.8
7/29/2004	18:00:39	34.58	45.459	29.14	25.5	1.53	100	55.41	28.223	7.83	-48.2	-1.9
7/29/2004	18:30:39	34.25	45.703	29.33	25.4	1.53	99	55.49	28.271	7.82	-46.0	-1.7
7/29/2004	19:00:39	34.83	45.278	29.00	25.2	1.50	99	55.54	28.322	7.81	-41.9	-1.9
7/29/2004	19:30:39	34.21	45.734	29.35	23.9	1.44	99	55.55	28.315	7.81	-42.0	-1.9
7/29/2004	20:00:39	34.80	45.296	29.02	22.8	1.36	99	55.55	28.326	7.81	-43.6	-1.8
7/29/2004	20:30:39	35.04	45.120	28.88	24.9	1.48	99	55.53	28.316	7.80	-53.3	-1.8
7/29/2004	21:00:39	35.03	45.130	28.89	22.9	1.36	99	55.48	28.281	7.80	-96.9	-1.9
7/29/2004	21:30:39	34.99	45.160	28.91	7.6	0.45	100	55.43	28.249	7.82	-214.5	-1.9
7/29/2004	22:00:39	35.22	44.995	28.78	14.9	0.89	99	55.37	28.210	7.83	-273.5	-1.9
7/29/2004	22:30:39	34.18	45.757	29.37	17.2	1.03	99	55.28	28.125	7.84	-337.1	-1.8
7/29/2004	23:00:39	35.20	45.012	28.80	17.6	1.04	99	55.17	28.069	7.88	-366.0	-1.9
7/29/2004	23:30:39	35.08	45.093	28.86	25.1	1.49	99	55.04	27.980	7.87	-371.0	-1.9
7/29/2004	0:00:39	33.64	46.161	29.68	24.0	1.45	99	54.89	27.843	7.89	-377.8	-1.1
7/29/2004	0:30:39	33.88	45.974	29.54	34.2	2.07	99	54.71	27.722	7.88	-369.8	-1.9
7/29/2004	1:00:39	34.83	45.275	29.00	33.7	2.01	99	54.54	27.629	7.88	-342.4	-1.9
7/29/2004	1:30:39	34.34	45.636	29.28	35.0	2.11	99	54.41	27.524	7.89	-282.3	-1.9
7/29/2004	2:00:39	34.45	45.555	29.21	34.6	2.08	99	54.29	27.445	7.88	-214.5	-1.6
7/30/2004	2:30:39	33.93	45.943	29.51	34.3	2.07	100	54.24	27.396	7.87	-152.4	-1.9
7/30/2004	3:00:39	35.14	45.051	28.83	34.2	2.04	99	54.27	27.449	7.84	-97.2	-1.9
7/30/2004	3:30:39	34.51	45.508	29.18	33.9	2.03	99	54.34	27.481	7.83	-76.7	-1.9
7/30/2004	4:00:39	34.27	45.689	29.32	31.3	1.88	99	54.48	27.577	7.83	-68.8	-1.9
7/30/2004	4:30:39	34.04	45.857	29.45	30.9	1.86	99	54.68	27.706	7.83	-64.6	-1.9
7/30/2004	5:00:39	35.10	45.076	28.85	29.2	1.74	98	54.88	27.867	7.81	-59.4	-2.0
7/30/2004	5:30:39	34.59	45.448	29.13	29.3	1.75	96	55.09	28.003	7.83	-56.1	-1.8
7/30/2004	6:00:39	35.07	45.099	28.86	26.9	1.60	92	55.27	28.140	7.82	-54.1	-1.8
7/30/2004	6:30:39	34.62	45.430	29.12	22.4	1.34	88	55.41	28.222	7.82	-57.3	52.6
7/30/2004	7:00:39	36.25	44.264	28.22	23.3	1.37	90	55.51	28.328	7.80	-51.7	-1.8
7/30/2004	7:30:39	35.71	44.642	28.51	16.9	1.00	88	55.55	28.349	7.78	-53.0	-1.9
7/30/2004	8:00:39	36.51	44.084	28.09	13.9	0.81	83	55.58	28.387	7.77	-52.5	-1.9
7/30/2004	8:30:39	35.71	44.647	28.52	16.0	0.95	77	55.60	28.383	7.80	-65.4	-1.9
7/30/2004	9:00:39	37.79	43.216	27.42	20.7	1.19	99	55.56	28.396	7.80	-155.4	-2.0
7/30/2004	9:30:39	37.54	43.384	27.55	24.6	1.42	99	55.56	28.391	7.81	-191.8	-2.0
7/30/2004	10:00:39	37.20	43.611	27.72	33.8	1.96	99	55.49	28.334	7.85	-304.1	-1.9
7/30/2004	10:30:39	37.03	43.728	27.81	36.1	2.10	99	55.43	28.294	7.86	-344.6	-1.8
7/30/2004	11:00:39	35.49	44.801	28.64	40.0	2.37	99	55.37	28.219	7.86	-377.0	-1.9
7/30/2004	11:30:39	34.33	45.639	29.28	37.8	2.27	99	55.25	28.106	7.86	-334.4	-1.9
7/30/2004	12:00:39	34.06	45.842	29.44	42.1	2.54	99	55.12	28.014	7.89	-396.9	-1.9
7/30/2004	12:30:39	33.70	46.111	29.64	45.5	2.75	100	54.95	27.885	7.89	-372.7	-1.9
7/30/2004	13:00:39	33.82	46.022	29.57	42.5	2.57	98	54.78	27.769	7.89	-332.3	-1.9
7/30/2004	13:30:39	33.91	45.950	29.52	45.7	2.76	99	54.60	27.649	7.90	-284.7	-1.9
7/30/2004	14:00:39	35.01	45.139	28.90	41.8	2.49	95	54.45	27.571	7.88	-222.4	-1.7
7/31/2004	14:30:39	33.70	46.114	29.64	36.7	2.22	92	54.35	27.470	7.86	-161.5	-1.9
7/31/2004	15:00:39	34.03	45.863	29.45	34.2	2.06	93	54.29	27.436	7.85	-107.0	-1.8
7/31/2004	15:30:39	34.09	45.821	29.42	34.7	2.09	87	54.32	27.460	7.84	-84.4	-1.9
7/31/2004	16:00:39	34.22	45.718	29.34	31.9	1.92	80	54.39	27.513	7.83	-75.9	-1.9
7/31/2004	16:30:39	34.21	45.733	29.35	29.9	1.80	76	54.57	27.632	7.83	-69.9	-1.9
7/31/2004	17:00:39	33.48	46.276	29.77	30.0	1.82	73	54.73	27.727	7.82	-67.8	-1.9
7/31/2004	17:30:39	33.38	46.351	29.83	28.0	1.70	70	54.91	27.855	7.81	-63.9	-1.9
7/31/2004	18:00:39	34.92	45.206	28.95	23.9	1.43	69	55.09	28.013	7.79	-61.8	-1.8
7/31/2004	18:30:39	35.14	45.048	28.83	24.3	1.45	69	55.27	28.140	7.79	-57.8	-1.9
7/31/2004	19:00:39	33.56	46.215	29.72	23.8	1.44	65	55.40	28.196	7.79	-58.0	-1.9
7/31/2004	19:30:39	33.39	46.345	29.82	31.3	1.91	63	55.48	28.245	7.83	-55.7	-1.9
7/31/2004	20:00:39	33.49	46.271	29.76	28.3	1.72	59	55.52	28.279	7.82	-51.5	-1.9
7/31/2004	20:30:39	35.36	44.886	28.70	30.9	1.83	60	55.54	28.332	7.82	-50.5	-1.8
7/31/2004	21:00:39	35.17	45.027	28.81	28.8	1.71	69	55.54	28.327	7.82	-128.4	-1.9
7/31/2004	21:30:39	33.94	45.928	29.50	35.3	2.13	73	55.52	28.290	7.86	-243.9	-1.9
7/31/2004	22:00:39	33.42	46.323	29.80	40.9	2.49	84	55.49	28.257	7.87	-293.9	-1.9
7/31/2004	22:30:39	35.67	44.670	28.54	46.2	2.73	81	55.47	28.288	7.89	-340.8	-1.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
7/31/2004	23:00:39	35.63	44.699	28.56	46.0	2.72	81	55.41	28.246	7.90	-391.9	-1.9
7/31/2004	23:30:39	36.11	44.363	28.30	49.6	2.91	80	55.33	28.206	7.89	-387.6	-1.9
7/31/2004	0:00:39	35.70	44.651	28.52	45.5	2.69	76	55.24	28.129	7.89	-377.9	-1.9
7/31/2004	0:30:39	36.82	43.867	27.92	42.5	2.47	73	55.10	28.057	7.89	-363.6	-1.9
7/31/2004	1:00:39	36.35	44.193	28.17	45.6	2.67	76	54.96	27.948	7.91	-330.7	-1.9
7/31/2004	1:30:39	36.56	44.044	28.06	42.9	2.51	74	54.78	27.830	7.90	-280.1	1.9
7/31/2004	2:00:39	37.14	43.650	27.75	40.0	2.32	73	54.61	27.725	7.89	-220.6	-2.1
8/1/2004	2:30:39	37.04	43.719	27.81	37.6	2.18	70	54.47	27.626	7.86	-134.4	-2.1
8/1/2004	3:00:39	36.01	44.430	28.35	36.2	2.13	67	54.40	27.553	7.85	-88.0	-2.3
8/1/2004	3:30:39	36.59	44.025	28.04	34.3	2.01	62	54.37	27.543	7.85	-68.6	-2.3
8/1/2004	4:00:39	35.91	44.503	28.41	35.2	2.07	61	54.39	27.544	7.84	-59.5	-2.3
8/1/2004	4:30:39	36.55	44.057	28.07	32.9	1.93	61	54.46	27.611	7.83	-56.5	-2.3
8/1/2004	5:00:39	36.19	44.307	28.26	33.3	1.96	61	54.61	27.703	7.82	-52.5	-2.2
8/1/2004	5:30:39	37.10	43.676	27.77	30.7	1.78	61	54.78	27.842	7.81	-49.6	-2.3
8/1/2004	6:00:39	35.63	44.695	28.55	31.3	1.85	55	54.97	27.943	7.83	-42.3	-2.3
8/1/2004	6:30:39	36.25	44.261	28.22	31.2	1.83	54	55.13	28.067	7.84	-42.2	-2.3
8/1/2004	7:00:39	35.61	44.705	28.56	30.8	1.82	55	55.28	28.160	7.84	-43.0	-2.9
8/1/2004	7:30:39	35.54	44.757	28.60	30.6	1.81	54	55.39	28.230	7.84	-39.9	-2.9
8/1/2004	8:00:39	35.23	44.975	28.77	31.0	1.84	55	55.46	28.276	7.83	-40.5	-2.9
8/1/2004	8:30:39	35.77	44.592	28.48	30.5	1.80	55	55.51	28.319	7.83	-48.2	-2.8
8/1/2004	9:00:39	36.28	44.238	28.20	30.9	1.81	61	55.54	28.353	7.84	-131.1	-2.9
8/1/2004	9:30:39	36.26	44.252	28.22	31.9	1.87	79	55.52	28.340	7.83	-191.4	-2.8
8/1/2004	10:00:39	35.61	44.706	28.56	35.3	2.09	86	55.49	28.301	7.86	-273.0	-2.9
8/1/2004	10:30:39	35.72	44.630	28.51	40.4	2.38	84	55.48	28.295	7.87	-320.2	-2.7
8/1/2004	11:00:39	36.44	44.127	28.12	39.7	2.32	81	55.44	28.288	7.86	-376.4	-2.9
8/1/2004	11:30:39	36.70	43.947	27.98	42.3	2.47	80	55.40	28.263	7.86	-366.9	-2.7
8/1/2004	12:00:39	36.56	44.045	28.06	42.1	2.46	77	55.34	28.218	7.87	-358.8	-2.7
8/1/2004	12:30:39	37.05	43.708	27.80	42.6	2.48	77	55.24	28.157	7.88	-326.7	-2.7
8/1/2004	13:00:39	35.87	44.524	28.42	40.7	2.40	76	55.11	28.046	7.89	-338.8	-2.8
8/1/2004	13:30:39	35.76	44.604	28.49	39.8	2.35	76	54.97	27.945	7.88	-256.1	-2.6
8/1/2004	14:00:39	35.74	44.620	28.50	38.5	2.27	77	54.81	27.837	7.87	-200.2	-2.7
8/2/2004	14:30:39	36.22	44.278	28.24	35.6	2.09	76	54.65	27.732	7.85	-145.8	-2.7
8/2/2004	15:00:39	35.47	44.806	28.64	34.6	2.05	76	54.53	27.635	7.84	-95.6	-2.9
8/2/2004	15:30:39	37.13	43.658	27.76	32.9	1.91	80	54.45	27.616	7.83	-76.7	-2.8
8/2/2004	16:00:39	37.22	43.593	27.71	32.6	1.89	80	54.42	27.592	7.83	-70.0	-2.8
8/2/2004	16:30:39	36.09	44.370	28.31	31.4	1.85	81	54.42	27.570	7.82	-66.4	-2.9
8/2/2004	17:00:39	36.64	43.992	28.02	28.1	1.64	80	54.49	27.631	7.81	-65.6	-2.8
8/2/2004	17:30:39	36.03	44.417	28.34	27.3	1.61	70	54.62	27.706	7.81	-59.0	-2.7
8/2/2004	18:00:39	37.25	43.577	27.70	25.9	1.50	63	54.74	27.816	7.80	-56.4	-2.9
8/2/2004	18:30:39	37.44	43.445	27.60	24.2	1.40	62	54.91	27.942	7.79	-52.5	-2.8
8/2/2004	19:00:39	35.40	44.861	28.68	30.2	1.79	57	55.06	28.001	7.83	-52.8	-2.7
8/2/2004	19:30:39	36.99	43.749	27.83	30.3	1.76	58	55.19	28.124	7.83	-59.8	-2.9
8/2/2004	20:00:39	36.92	43.793	27.86	27.7	1.61	58	55.26	28.173	7.82	-61.7	-2.9
8/2/2004	20:30:39	37.27	43.556	27.68	28.8	1.67	57	55.34	28.232	7.82	-75.9	-2.8
8/2/2004	21:00:39	35.99	44.441	28.36	30.3	1.78	61	55.35	28.215	7.83	-135.3	-2.8
8/2/2004	21:30:39	36.94	43.781	27.86	30.8	1.79	73	55.35	28.233	7.84	-214.9	-2.8
8/2/2004	22:00:39	35.54	44.759	28.60	38.0	2.25	80	55.35	28.203	7.86	-260.4	-2.7
8/2/2004	22:30:39	36.09	44.369	28.31	37.8	2.22	81	55.35	28.215	7.85	-283.2	-2.7
8/2/2004	23:00:39	37.51	43.403	27.57	39.0	2.25	83	55.33	28.231	7.85	-332.9	-2.8
8/2/2004	23:30:39	36.29	44.236	28.20	44.0	2.58	80	55.32	28.201	7.86	-366.8	-2.7
8/2/2004	0:00:39	34.98	45.166	28.92	41.6	2.48	76	55.31	28.162	7.87	-350.1	-2.7
8/2/2004	0:30:39	37.51	43.401	27.56	38.3	2.21	73	55.25	28.179	7.87	-332.5	-2.7
8/2/2004	1:00:39	36.80	43.879	27.93	38.2	2.23	71	55.21	28.135	7.85	-208.8	-2.6
8/2/2004	1:30:39	36.53	44.067	28.07	37.6	2.20	73	55.12	28.064	7.89	-267.8	-2.7
8/2/2004	2:00:39	36.01	44.430	28.35	37.7	2.22	71	55.00	27.968	7.87	-204.4	-2.9
8/3/2004	2:30:39	37.13	43.658	27.76	36.6	2.12	71	54.89	27.917	7.86	-153.3	-2.7
8/3/2004	3:00:39	36.59	44.027	28.04	34.8	2.04	69	54.78	27.829	7.84	-100.2	-2.7
8/3/2004	3:30:39	36.42	44.142	28.13	34.7	2.03	69	54.69	27.762	7.83	-82.1	-2.7
8/3/2004	4:00:39	36.83	43.863	27.92	32.1	1.87	65	54.62	27.725	7.82	-77.7	-2.6
8/3/2004	4:30:39	37.63	43.319	27.50	29.9	1.73	63	54.61	27.734	7.81	-75.5	-2.7
8/3/2004	5:00:39	36.66	43.974	28.00	29.1	1.70	62	54.64	27.734	7.81	-71.0	-2.9
8/3/2004	5:30:39	36.20	44.292	28.25	26.4	1.55	58	54.71	27.771	7.80	-56.7	-2.7
8/3/2004	6:00:39	35.50	44.791	28.63	26.8	1.59	57	54.80	27.825	7.80	-90.2	-2.7
8/3/2004	6:30:39	36.80	43.884	27.93	25.8	1.50	56	54.94	27.944	7.80	-62.9	-2.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/3/2004	7:00:39	36.26	44.258	28.22	23.8	1.40	54	55.06	28.021	7.80	-64.8	-2.9
8/3/2004	7:30:39	36.93	43.798	27.87	22.6	1.31	49	55.17	28.108	7.79	-59.5	-2.7
8/3/2004	8:00:39	36.82	43.869	27.92	22.9	1.33	47	55.24	28.158	7.78	-49.6	-2.8
8/3/2004	8:30:39	36.88	43.831	27.89	21.3	1.24	46	55.29	28.190	7.77	-64.8	-2.9
8/3/2004	9:00:39	36.89	43.823	27.89	25.3	1.47	48	55.29	28.195	7.79	-138.0	-2.8
8/3/2004	9:30:39	36.98	43.765	27.84	32.0	1.86	55	55.31	28.205	7.84	-219.4	-2.8
8/3/2004	10:00:39	37.04	43.724	27.81	33.6	1.95	59	55.29	28.191	7.84	-274.9	-2.7
8/3/2004	10:30:39	37.13	43.666	27.77	33.9	1.97	58	55.25	28.167	7.84	-269.4	-2.9
8/3/2004	11:00:39	37.16	43.641	27.75	39.1	2.27	58	55.24	28.163	7.86	-310.0	-2.8
8/3/2004	11:30:39	37.22	43.601	27.72	42.2	2.44	58	55.23	28.159	7.88	-369.1	-2.6
8/3/2004	12:00:39	37.21	43.610	27.72	43.1	2.50	57	55.22	28.148	7.89	-373.5	-2.7
8/3/2004	12:30:39	37.00	43.747	27.83	40.3	2.34	54	55.21	28.141	7.88	-361.6	-2.1
8/3/2004	13:00:39	37.02	43.736	27.82	39.9	2.32	55	55.17	28.109	7.90	-317.5	-2.1
8/3/2004	13:30:39	36.66	43.976	28.00	35.4	2.07	52	55.14	28.083	7.88	-271.9	-1.8
8/3/2004	14:00:39	37.03	43.726	27.81	34.5	2.00	53	55.08	28.047	7.86	-227.2	2.3
8/4/2004	14:30:39	36.57	44.035	28.05	33.7	1.97	54	55.01	27.991	7.85	-162.0	-2.9
8/4/2004	15:00:39	35.70	44.642	28.51	29.4	1.74	51	54.83	27.850	7.83	-93.3	-2.8
8/4/2004	15:30:39	36.50	44.087	28.09	28.5	1.67	50	54.76	27.813	7.82	-86.2	-2.9
8/4/2004	16:00:39	36.73	43.927	27.97	26.8	1.56	49	54.74	27.804	7.81	-77.6	-2.6
8/4/2004	16:30:39	36.82	43.871	27.92	25.8	1.50	48	54.71	27.791	7.81	-73.4	-1.8
8/4/2004	17:00:39	37.00	43.747	27.83	24.2	1.41	48	54.75	27.817	7.80	-69.7	-1.6
8/4/2004	17:30:39	37.05	43.712	27.80	22.7	1.32	47	54.79	27.851	7.79	-66.2	-2.0
8/4/2004	18:00:39	37.30	43.544	27.67	21.5	1.24	46	54.85	27.892	7.78	-66.1	-2.8
8/4/2004	18:30:39	37.12	43.663	27.76	23.0	1.33	47	54.98	27.980	7.79	-65.1	-2.8
8/4/2004	19:00:39	37.47	43.430	27.59	18.9	1.09	46	55.07	28.049	7.76	-63.3	-2.9
8/4/2004	19:30:39	37.49	43.416	27.58	22.7	1.31	46	55.09	28.065	7.79	-60.4	-2.9
8/4/2004	20:00:39	37.37	43.496	27.64	18.8	1.09	45	55.16	28.111	7.77	-71.4	-2.9
8/4/2004	20:30:39	37.08	43.693	27.79	21.1	1.23	46	55.16	28.106	7.79	-150.1	-2.9
8/4/2004	21:00:39	37.85	43.179	27.39	24.5	1.41	47	55.14	28.110	7.81	-238.8	-2.7
8/4/2004	21:30:39	38.27	42.905	27.18	26.9	1.54	49	55.12	28.101	7.81	-289.3	-2.6
8/4/2004	22:00:39	37.84	43.189	27.40	28.9	1.66	49	55.11	28.083	7.82	-341.3	-2.2
8/4/2004	22:30:39	38.25	42.919	27.20	32.2	1.84	49	55.07	28.065	7.83	-381.0	-2.9
8/4/2004	23:00:39	39.09	42.374	26.78	29.5	1.67	49	55.05	28.074	7.82	-224.4	-2.7
8/4/2004	23:30:39	38.47	42.773	27.08	29.2	1.67	48	55.06	28.062	7.82	-227.4	-2.9
8/4/2004	0:00:39	38.96	42.462	26.85	31.7	1.80	49	55.11	28.107	7.83	-245.2	-1.5
8/4/2004	0:30:39	38.35	42.856	27.15	35.4	2.02	50	55.11	28.096	7.87	-346.4	-2.4
8/4/2004	1:00:39	39.27	42.266	26.70	35.3	1.99	50	55.12	28.125	7.87	-300.4	-2.4
8/4/2004	1:30:39	38.74	42.604	26.95	33.3	1.89	50	55.16	28.140	7.86	-235.2	-1.7
8/5/2004	2:00:39	37.57	43.367	27.54	31.7	1.83	49	55.14	28.099	7.84	-177.6	-2.2
8/5/2004	2:30:39	38.24	42.920	27.20	29.4	1.68	49	55.05	28.055	7.82	-121.8	-1.9
8/5/2004	3:00:39	37.89	43.154	27.37	27.7	1.59	49	55.03	28.032	7.82	-109.8	-1.4
8/5/2004	3:30:39	37.50	43.416	27.58	26.8	1.55	49	55.01	28.007	7.81	-98.1	-1.3
8/5/2004	4:00:39	37.29	43.555	27.68	26.2	1.52	50	54.94	27.954	7.81	-89.4	-1.3
8/5/2004	4:30:39	37.53	43.393	27.56	23.8	1.37	50	54.96	27.974	7.79	-83.4	0.0
8/5/2004	5:00:39	37.26	43.573	27.70	22.8	1.32	52	54.93	27.953	7.79	-82.8	-0.3
8/5/2004	5:30:39	37.48	43.428	27.58	20.7	1.20	53	54.93	27.955	7.78	-78.9	0.0
8/5/2004	6:00:39	36.81	43.877	27.93	28.5	1.66	60	54.95	27.955	7.83	-78.4	-2.5
8/5/2004	6:30:39	38.01	43.075	27.31	28.5	1.64	64	55.00	28.014	7.83	-72.1	-2.3
8/5/2004	7:00:39	36.69	43.960	27.99	28.7	1.67	67	55.04	28.016	7.83	-65.4	-2.8
8/5/2004	7:30:39	37.30	43.550	27.68	28.6	1.66	70	55.10	28.068	7.83	-66.4	-2.7
8/5/2004	8:00:39	36.84	43.858	27.91	28.9	1.68	76	55.11	28.065	7.83	-87.4	-2.7
8/5/2004	8:30:39	37.79	43.222	27.43	31.0	1.78	80	55.09	28.072	7.84	-158.3	-2.6
8/5/2004	9:00:39	37.58	43.360	27.53	34.2	1.98	92	55.09	28.064	7.86	-230.3	-2.3
8/5/2004	9:30:39	37.64	43.319	27.50	36.9	2.13	99	55.02	28.021	7.86	-295.7	-2.6
8/5/2004	10:00:39	37.68	43.298	27.49	39.2	2.26	99	54.97	27.983	7.87	-345.6	-2.7
8/5/2004	10:30:39	38.63	42.671	27.01	36.4	2.07	99	54.94	27.985	7.86	-394.2	-2.7
8/5/2004	11:00:39	37.66	43.309	27.49	36.4	2.10	99	54.90	27.936	7.86	-408.9	-2.4
8/5/2004	11:30:39	38.51	42.750	27.07	35.7	2.04	99	54.90	27.951	7.86	-399.3	-2.7
8/5/2004	12:00:39	38.27	42.907	27.19	34.5	1.98	99	54.90	27.952	7.86	-336.3	-2.7
8/5/2004	12:30:39	38.24	42.928	27.20	35.7	2.04	99	54.93	27.973	7.87	-344.3	-2.0
8/5/2004	13:00:39	37.48	43.429	27.59	32.8	1.89	100	54.96	27.975	7.87	-275.4	-2.7
8/5/2004	13:30:39	37.35	43.515	27.65	31.9	1.85	99	54.98	27.989	7.85	-203.9	-2.6
8/6/2004	14:00:39	37.64	43.317	27.50	30.3	1.74	99	55.01	28.012	7.83	-153.7	-0.9
8/6/2004	14:30:39	38.08	43.027	27.28	28.5	1.64	99	55.05	28.047	7.82	-100.9	-2.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/6/2004	15:00:39	38.08	43.031	27.28	27.0	1.55	99	55.05	28.052	7.81	-87.6	0.6
8/6/2004	15:30:39	38.22	42.934	27.21	25.6	1.47	99	55.06	28.059	7.81	-77.3	-0.8
8/6/2004	16:00:39	38.12	43.004	27.26	24.5	1.41	100	55.06	28.056	7.80	-70.3	0.5
8/6/2004	16:30:39	37.49	43.420	27.58	25.3	1.46	99	55.07	28.048	7.80	-69.5	1.1
8/6/2004	17:00:39	37.02	43.740	27.82	23.0	1.34	99	55.04	28.020	7.81	-70.1	3.4
8/6/2004	17:30:39	38.07	43.034	27.28	21.5	1.23	99	55.03	28.038	7.80	-64.8	-0.2
8/6/2004	18:00:39	37.75	43.250	27.45	23.4	1.35	99	55.01	28.012	7.82	-66.4	-3.2
8/6/2004	18:30:39	37.62	43.330	27.51	17.9	1.03	99	55.03	28.027	7.82	-62.2	-2.8
8/6/2004	19:00:39	37.94	43.120	27.35	12.2	0.70	99	55.09	28.072	7.82	-64.1	-3.2
8/6/2004	19:30:39	37.73	43.261	27.46	5.4	0.31	99	55.12	28.088	7.82	-63.8	-3.2
8/6/2004	20:00:39	37.33	43.528	27.66	4.2	0.25	99	55.11	28.075	7.83	-68.5	-3.1
8/6/2004	20:30:39	38.39	42.825	27.12	6.0	0.34	99	55.09	28.084	7.83	-117.2	-2.9
8/6/2004	21:00:39	37.22	43.603	27.72	7.8	0.45	99	55.06	28.042	7.83	-121.7	-3.2
8/6/2004	21:30:39	38.33	42.868	27.16	7.8	0.45	99	54.99	28.016	7.83	-194.7	-3.2
8/6/2004	22:00:39	38.31	42.882	27.17	6.6	0.38	99	54.91	27.957	7.84	-247.1	-3.5
8/6/2004	22:30:39	37.01	43.747	27.83	6.1	0.36	99	54.86	27.894	7.85	-300.9	-3.5
8/6/2004	23:00:39	37.03	43.733	27.82	7.0	0.41	99	54.79	27.847	7.85	-232.0	-3.5
8/6/2004	23:30:39	38.46	42.786	27.09	6.4	0.36	99	54.76	27.856	7.84	-248.8	-3.4
8/6/2004	0:00:39	38.52	42.741	27.06	4.7	0.27	99	54.79	27.877	7.84	-232.7	-3.3
8/6/2004	0:30:39	38.46	42.781	27.09	5.8	0.33	99	54.79	27.876	7.85	-223.7	-3.3
8/6/2004	1:00:39	37.25	43.586	27.71	5.8	0.33	99	54.84	27.887	7.87	-263.6	-3.3
8/6/2004	1:30:39	38.04	43.053	27.30	7.1	0.40	99	54.90	27.947	7.83	-152.5	-3.2
8/7/2004	2:00:39	36.88	43.832	27.89	5.5	0.32	99	54.97	27.966	7.83	-129.4	-3.0
8/7/2004	2:30:39	36.64	44.000	28.02	5.9	0.35	99	55.00	27.981	7.82	-88.5	-3.3
8/7/2004	3:00:39	36.25	44.264	28.22	5.9	0.34	99	55.07	28.026	7.80	-76.2	-3.2
8/7/2004	3:30:39	37.26	43.572	27.69	5.6	0.33	99	55.12	28.078	7.80	-71.5	-3.2
8/7/2004	4:00:39	36.15	44.333	28.28	5.0	0.29	99	55.12	28.060	7.79	-72.4	-3.3
8/7/2004	4:30:39	37.08	43.696	27.79	4.6	0.27	99	55.14	28.090	7.80	-69.6	-3.2
8/7/2004	5:00:39	38.00	43.083	27.32	2.0	0.12	99	55.14	28.113	7.80	-68.2	-3.5
8/7/2004	5:30:39	37.18	43.630	27.74	3.6	0.21	99	55.14	28.092	7.79	-65.1	-3.5
8/7/2004	6:00:39	37.53	43.399	27.56	4.3	0.25	99	55.13	28.092	7.78	-66.0	-3.5
8/7/2004	6:30:39	38.48	42.773	27.08	2.8	0.16	100	55.12	28.104	7.82	-62.2	-3.6
8/7/2004	7:00:39	36.21	44.295	28.25	3.9	0.23	99	55.10	28.045	7.83	-66.5	-3.5
8/7/2004	7:30:39	36.12	44.358	28.30	5.8	0.34	99	55.11	28.050	7.83	-57.6	-3.5
8/7/2004	8:00:39	36.42	44.144	28.13	6.8	0.40	99	55.09	28.045	7.83	-66.3	-3.5
8/7/2004	8:30:39	36.68	43.963	27.99	6.4	0.37	99	55.09	28.047	7.83	-128.4	-3.5
8/7/2004	9:00:39	35.35	44.897	28.71	5.6	0.33	100	55.05	27.990	7.85	-208.9	-3.5
8/7/2004	9:30:39	36.08	44.384	28.32	7.0	0.41	99	54.99	27.966	7.86	-266.8	-3.5
8/7/2004	10:00:39	35.36	44.889	28.70	7.3	0.43	99	54.93	27.907	7.87	-313.6	-3.5
8/7/2004	10:30:39	36.51	44.086	28.09	5.6	0.33	100	54.84	27.873	7.86	-334.1	-3.5
8/7/2004	11:00:39	38.51	42.748	27.07	5.4	0.31	99	54.79	27.877	7.86	-326.8	-3.5
8/7/2004	11:30:39	38.30	42.885	27.17	5.2	0.30	99	54.74	27.841	7.87	-312.1	-3.5
8/7/2004	12:00:39	38.45	42.788	27.10	4.5	0.26	99	54.71	27.822	7.85	-308.4	-3.5
8/7/2004	12:30:39	36.48	44.109	28.11	3.2	0.19	99	54.72	27.784	7.87	-306.1	-3.5
8/7/2004	13:00:39	37.34	43.523	27.66	3.9	0.22	99	54.76	27.833	7.85	-259.1	-3.5
8/7/2004	13:30:39	37.73	43.259	27.46	3.4	0.20	99	54.82	27.883	7.85	-204.8	-3.5
8/8/2004	14:00:39	37.10	43.683	27.78	2.4	0.14	99	54.89	27.920	7.84	-153.6	-3.5
8/8/2004	14:30:39	35.84	44.548	28.44	6.6	0.39	99	54.99	27.963	7.82	-90.7	-3.5
8/8/2004	15:00:39	36.28	44.238	28.20	4.7	0.28	99	55.07	28.026	7.83	-72.1	-3.5
8/8/2004	15:30:39	37.02	43.725	27.81	3.8	0.22	99	55.14	28.093	7.82	-65.9	-3.5
8/8/2004	16:00:39	37.41	43.467	27.61	4.2	0.24	99	55.21	28.149	7.82	-67.8	-3.5
8/8/2004	16:30:39	36.98	43.757	27.84	3.4	0.19	99	55.24	28.161	7.81	-60.8	-3.5
8/8/2004	17:00:39	36.65	43.978	28.01	2.4	0.14	99	55.27	28.172	7.81	-58.6	-3.5
8/8/2004	17:30:39	37.20	43.609	27.72	2.4	0.14	100	55.27	28.184	7.80	-58.6	12.2
8/8/2004	18:00:39	37.62	43.327	27.51	4.0	0.23	99	55.26	28.188	7.79	-57.1	-3.6
8/8/2004	18:30:39	35.89	44.509	28.41	3.9	0.23	100	55.25	28.146	7.79	-55.3	-3.5
8/8/2004	19:00:39	36.97	43.765	27.84	2.4	0.14	99	55.24	28.157	7.77	-54.3	-3.5
8/8/2004	19:30:39	36.64	43.988	28.01	1.9	0.11	100	55.21	28.130	7.77	-53.9	-3.5
8/8/2004	20:00:39	37.17	43.633	27.74	2.2	0.13	99	55.19	28.130	7.81	-62.1	-3.5
8/8/2004	20:30:39	37.27	43.561	27.69	3.1	0.18	99	55.15	28.101	7.81	-120.9	-3.3
8/8/2004	21:00:39	36.86	43.836	27.90	2.5	0.15	99	55.09	28.052	7.86	-202.0	-3.5
8/8/2004	21:30:39	37.39	43.476	27.62	2.8	0.16	99	55.03	28.018	7.88	-263.6	-3.5
8/8/2004	22:00:39	37.45	43.438	27.59	3.1	0.18	99	54.94	27.960	7.88	-307.5	-3.4
8/8/2004	22:30:39	36.95	43.776	27.85	4.7	0.27	99	54.84	27.878	7.88	-334.2	-1.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/8/2004	23:00:39	36.74	43.919	27.96	4.5	0.26	99	54.73	27.802	7.88	-344.0	-3.5
8/8/2004	23:30:39	37.00	43.746	27.83	2.7	0.16	99	54.66	27.759	7.87	-344.6	-3.5
8/8/2004	0:00:39	37.57	43.365	27.54	3.8	0.22	99	54.61	27.735	7.87	-362.5	-3.5
8/8/2004	0:30:39	37.20	43.616	27.73	4.1	0.24	99	54.58	27.704	7.87	-301.3	-3.5
8/8/2004	1:00:39	36.98	43.759	27.84	2.5	0.14	99	54.58	27.697	7.86	-247.2	-3.5
8/8/2004	1:30:39	37.31	43.537	27.67	4.8	0.28	99	54.62	27.732	7.85	-188.6	-3.5
8/9/2004	2:00:39	37.25	43.578	27.70	3.8	0.22	99	54.69	27.785	7.84	-140.1	-3.5
8/9/2004	2:30:39	35.99	44.442	28.36	3.9	0.23	99	54.78	27.816	7.84	-92.7	-3.5
8/9/2004	3:00:39	36.87	43.837	27.90	3.8	0.22	99	54.90	27.921	7.83	-77.3	-3.5
8/9/2004	3:30:39	37.05	43.712	27.80	3.3	0.19	99	55.01	28.003	7.83	-70.5	-3.5
8/9/2004	4:00:39	35.88	44.521	28.42	3.2	0.19	99	55.06	28.013	7.82	-66.1	-3.5
8/9/2004	4:30:39	36.85	43.844	27.90	2.4	0.14	99	55.18	28.116	7.82	-69.0	-3.5
8/9/2004	5:00:39	35.79	44.584	28.47	2.6	0.15	99	55.17	28.083	7.82	-64.6	-3.5
8/9/2004	5:30:39	37.15	43.647	27.75	2.0	0.11	99	55.21	28.141	7.81	-63.2	-3.5
8/9/2004	6:00:39	36.41	44.151	28.14	1.3	0.08	99	55.22	28.130	7.84	-63.8	-3.5
8/9/2004	6:30:39	37.59	43.349	27.52	1.5	0.09	99	55.25	28.176	7.83	-60.2	-3.6
8/9/2004	7:00:39	36.94	43.784	27.86	1.4	0.08	99	55.19	28.126	7.82	-57.8	-3.6
8/9/2004	7:30:39	37.39	43.484	27.63	0.8	0.05	99	55.20	28.138	7.81	-56.4	-3.5
8/9/2004	8:00:39	35.78	44.589	28.47	3.4	0.20	99	55.17	28.083	7.82	-65.3	-3.5
8/9/2004	8:30:39	36.43	44.135	28.13	3.6	0.21	100	55.12	28.061	7.85	-129.2	-3.5
8/9/2004	9:00:39	36.89	43.818	27.88	2.6	0.15	99	55.09	28.054	7.86	-199.1	-3.6
8/9/2004	9:30:39	37.15	43.642	27.75	2.9	0.17	99	55.02	28.009	7.87	-266.0	-3.6
8/9/2004	10:00:39	37.03	43.725	27.81	4.5	0.26	99	54.97	27.970	7.87	-307.1	-3.6
8/9/2004	10:30:39	36.18	44.310	28.26	3.4	0.20	99	54.86	27.875	7.88	-340.5	-3.5
8/9/2004	11:00:39	37.58	43.359	27.53	2.9	0.17	99	54.76	27.838	7.87	-348.6	-3.6
8/9/2004	11:30:39	37.26	43.571	27.69	2.7	0.16	99	54.71	27.798	7.86	-314.1	-3.5
8/9/2004	12:00:39	35.85	44.543	28.44	3.8	0.23	99	54.61	27.695	7.85	-251.5	-3.5
8/9/2004	12:30:39	37.63	43.321	27.50	4.1	0.23	99	54.57	27.706	7.84	-228.5	-3.5
8/9/2004	13:00:39	37.28	43.562	27.69	2.2	0.13	99	54.55	27.685	7.86	-238.3	-3.5
8/9/2004	13:30:39	37.37	43.501	27.64	3.1	0.18	99	54.56	27.691	7.85	-205.5	-3.6
8/10/2004	14:00:39	36.89	43.827	27.89	2.0	0.11	99	54.61	27.719	7.84	-135.4	-3.6
8/10/2004	14:30:39	35.95	44.476	28.39	2.7	0.16	99	54.70	27.758	7.84	-91.7	-3.5
8/10/2004	15:00:39	36.06	44.397	28.33	4.8	0.28	99	54.85	27.865	7.83	-79.5	-3.5
8/10/2004	15:30:39	36.28	44.243	28.21	3.8	0.22	99	54.97	27.955	7.83	-74.0	-3.4
8/10/2004	16:00:39	36.16	44.325	28.27	3.5	0.21	99	55.08	28.033	7.82	-70.7	-3.6
8/10/2004	16:30:39	36.02	44.426	28.35	4.2	0.25	99	55.16	28.083	7.82	-69.0	-3.6
8/10/2004	17:00:39	35.61	44.710	28.57	3.0	0.18	99	55.24	28.127	7.81	-64.5	-3.5
8/10/2004	17:30:39	36.26	44.255	28.22	4.5	0.26	99	55.29	28.174	7.82	-59.6	-3.5
8/10/2004	18:00:39	34.89	45.229	28.96	5.2	0.31	99	55.31	28.161	7.84	-59.1	-3.5
8/10/2004	18:30:39	35.58	44.726	28.58	4.9	0.29	99	55.32	28.181	7.83	-58.1	-3.5
8/10/2004	19:00:39	35.17	45.020	28.80	5.4	0.32	99	55.31	28.171	7.83	-58.4	-3.6
8/10/2004	19:30:39	36.22	44.275	28.23	2.8	0.17	99	55.31	28.192	7.82	-57.3	-3.6
8/10/2004	20:00:39	35.21	44.994	28.78	3.9	0.23	100	55.27	28.144	7.82	-67.7	-3.5
8/10/2004	20:30:39	36.78	43.895	27.94	4.8	0.28	99	55.23	28.148	7.84	-126.5	-3.6
8/10/2004	21:00:39	36.08	44.383	28.32	4.2	0.24	99	55.19	28.103	7.86	-195.4	-3.6
8/10/2004	21:30:39	35.30	44.933	28.74	2.8	0.17	99	55.13	28.048	7.86	-246.3	-3.5
8/10/2004	22:00:39	35.51	44.783	28.62	1.6	0.09	99	55.06	28.001	7.86	-296.1	-3.4
8/10/2004	22:30:39	36.96	43.776	27.85	4.2	0.24	99	54.94	27.947	7.86	-334.3	-0.9
8/10/2004	23:00:39	36.06	44.399	28.33	5.0	0.29	99	54.86	27.878	7.86	-345.1	-3.5
8/10/2004	23:30:39	36.24	44.273	28.23	3.6	0.21	99	54.75	27.804	7.87	-350.1	-3.6
8/10/2004	0:00:39	37.14	43.651	27.76	3.8	0.22	99	54.66	27.760	7.86	-259.8	-3.6
8/10/2004	0:30:39	36.18	44.309	28.26	1.6	0.09	99	54.57	27.675	7.85	-271.5	-3.5
8/10/2004	1:00:39	36.31	44.222	28.19	1.4	0.08	99	54.52	27.647	7.85	-236.1	-3.6
8/10/2004	1:30:39	35.02	45.134	28.89	2.5	0.15	99	54.47	27.583	7.85	-198.7	-3.1
8/11/2004	2:00:39	35.66	44.677	28.54	1.1	0.06	100	54.56	27.655	7.84	-141.8	-3.5
8/11/2004	2:30:39	35.15	45.041	28.82	1.2	0.07	99	54.63	27.697	7.83	-92.6	-3.5
8/11/2004	3:00:39	35.76	44.602	28.48	2.1	0.12	99	54.76	27.800	7.83	-80.3	-3.5
8/11/2004	3:30:39	34.95	45.185	28.93	1.1	0.07	100	54.86	27.854	7.83	-74.4	-3.5
8/11/2004	4:00:39	36.46	44.116	28.11	1.7	0.10	100	55.03	27.999	7.82	-71.9	-3.5
8/11/2004	4:30:39	34.60	45.434	29.12	1.6	0.10	99	55.19	28.070	7.82	-68.1	-2.7
8/11/2004	5:00:39	35.53	44.765	28.61	1.9	0.11	99	55.19	28.091	7.81	-67.3	-3.5
8/11/2004	5:30:39	34.26	45.686	29.32	2.2	0.13	99	55.24	28.103	7.82	-66.6	-3.4
8/11/2004	6:00:39	34.00	45.877	29.46	0.4	0.02	99	55.32	28.152	7.82	-66.5	-3.5
8/11/2004	6:30:39	33.77	46.051	29.60	0.4	0.02	99	55.29	28.122	7.83	-67.5	-3.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/11/2004	7:00:39	34.13	45.779	29.39	0.0	0.00	99	55.26	28.114	7.84	-68.1	1.0
8/11/2004	7:30:39	33.30	46.409	29.87	1.2	0.07	99	55.38	28.173	7.84	-69.6	5.0
8/11/2004	8:00:39	33.96	45.908	29.49	-1.1	-0.07	99	55.34	28.162	7.82	-77.0	-3.5
8/11/2004	8:30:39	33.42	46.319	29.80	1.5	0.09	99	55.34	28.150	7.83	-129.1	-3.5
8/11/2004	9:00:39	33.61	46.172	29.69	0.9	0.06	99	55.24	28.084	7.83	-198.3	-3.5
8/11/2004	9:30:39	33.61	46.176	29.69	-0.8	-0.05	99	55.15	28.022	7.83	-257.2	-3.5
8/11/2004	10:00:39	34.15	45.772	29.38	0.9	0.05	99	55.11	28.011	7.84	-280.7	-3.3
8/11/2004	10:30:39	34.41	45.577	29.23	0.4	0.02	99	55.06	27.979	7.85	-274.7	-3.5
8/11/2004	11:00:39	33.65	46.149	29.67	0.6	0.04	99	54.93	27.873	7.86	-286.9	-3.5
8/11/2004	11:30:39	33.78	46.051	29.60	2.1	0.13	99	54.83	27.803	7.86	-244.1	-3.5
8/11/2004	12:00:39	33.38	46.349	29.82	-0.6	-0.04	99	54.70	27.708	7.86	-220.0	-3.5
8/11/2004	12:30:39	34.06	45.837	29.43	2.4	0.15	99	54.62	27.668	7.86	-234.9	-3.5
8/11/2004	13:00:39	33.01	46.635	30.04	-0.7	-0.05	99	54.57	27.607	7.87	-282.1	-3.5
8/11/2004	13:30:39	33.02	46.627	30.04	-0.4	-0.03	99	54.54	27.588	7.86	-207.9	-3.5
8/12/2004	14:00:39	33.46	46.290	29.78	0.2	0.01	99	54.57	27.617	7.85	-161.2	-3.5
8/12/2004	14:30:39	33.46	46.291	29.78	1.9	0.11	99	54.54	27.601	7.84	-117.0	-3.4
8/12/2004	15:00:39	33.72	46.098	29.63	1.5	0.09	99	54.67	27.693	7.83	-104.0	-3.5
8/12/2004	15:30:39	33.23	46.465	29.91	-0.8	-0.05	99	54.84	27.800	7.84	-98.3	-3.5
8/12/2004	16:00:39	33.46	46.294	29.78	0.1	0.01	99	54.96	27.888	7.83	-95.2	-3.5
8/12/2004	16:30:39	33.45	46.301	29.79	1.5	0.09	99	55.08	27.972	7.83	-92.6	-3.5
8/12/2004	17:00:39	33.29	46.426	29.88	-0.3	-0.02	99	55.17	28.030	7.82	-91.3	-3.5
8/12/2004	17:30:39	33.31	46.406	29.87	-1.8	-0.11	99	55.29	28.111	7.83	-88.1	-3.5
8/12/2004	18:00:39	33.05	46.608	30.02	2.2	0.13	99	55.33	28.135	7.83	-86.5	-3.5
8/12/2004	18:30:39	33.11	46.558	29.98	0.4	0.03	99	55.33	28.134	7.83	-86.1	-3.5
8/12/2004	19:00:39	32.97	46.672	30.07	-1.1	-0.07	99	55.37	28.162	7.81	-84.4	-3.5
8/12/2004	19:30:39	33.04	46.611	30.03	-1.3	-0.08	99	55.41	28.194	7.81	-83.7	-3.1
8/12/2004	20:00:39	33.14	46.538	29.97	1.7	0.10	99	55.32	28.128	7.81	-88.2	-3.5
8/12/2004	20:30:39	33.14	46.533	29.97	-1.5	-0.09	99	55.31	28.125	7.81	-134.2	-3.5
8/12/2004	21:00:39	33.27	46.436	29.89	-3.1	-0.19	99	55.27	28.102	7.81	-125.9	-3.3
8/12/2004	21:30:39	33.32	46.398	29.86	0.0	0.00	99	55.22	28.069	7.85	-261.3	-3.5
8/12/2004	22:00:39	33.38	46.353	29.83	-3.4	-0.21	99	55.18	28.039	7.86	-241.0	-3.5
8/12/2004	22:30:39	33.26	46.445	29.90	0.1	0.01	100	55.10	27.980	7.86	-252.5	-3.4
8/12/2004	23:00:39	33.29	46.420	29.88	0.6	0.03	100	54.99	27.909	7.87	-361.3	-3.5
8/12/2004	23:30:39	33.17	46.512	29.95	0.9	0.05	99	54.90	27.843	7.85	-225.3	-3.3
8/12/2004	0:00:39	33.35	46.374	29.84	-0.3	-0.02	99	54.81	27.782	7.86	-317.5	-3.5
8/12/2004	0:30:39	33.24	46.462	29.91	3.3	0.20	99	54.68	27.688	7.86	-292.4	-2.9
8/12/2004	1:00:39	33.22	46.475	29.92	1.3	0.08	99	54.56	27.610	7.85	-216.4	-3.5
8/12/2004	1:30:39	32.98	46.657	30.06	1.3	0.08	100	54.50	27.559	7.85	-203.4	-3.5
8/13/2004	2:00:39	32.18	47.289	30.55	0.0	0.00	99	54.50	27.539	7.83	-152.8	-3.5
8/13/2004	2:30:39	31.96	47.461	30.68	0.8	0.05	99	54.50	27.541	7.83	-117.3	-3.5
8/13/2004	3:00:39	32.81	46.789	30.16	0.2	0.01	99	54.56	27.600	7.82	-104.9	-3.5
8/13/2004	3:30:39	33.20	46.491	29.93	0.9	0.05	99	54.69	27.697	7.83	-100.9	-3.3
8/13/2004	4:00:39	32.40	47.110	30.41	1.1	0.06	99	54.80	27.755	7.83	-93.3	-3.5
8/13/2004	4:30:39	31.72	47.654	30.83	2.5	0.16	100	54.92	27.826	7.83	-91.4	-3.5
8/13/2004	5:00:39	32.25	47.222	30.49	2.2	0.13	99	55.05	27.928	7.83	-90.5	-3.5
8/13/2004	5:30:39	32.37	47.132	30.43	-0.3	-0.02	99	55.15	27.996	7.83	-87.8	-3.5
8/13/2004	6:00:39	31.48	47.841	30.97	3.1	0.19	99	55.25	28.043	7.84	-84.4	-3.5
8/13/2004	6:30:39	31.86	47.531	30.73	1.8	0.11	99	55.30	28.092	7.84	-83.7	-3.5
8/13/2004	7:00:39	31.23	48.046	31.13	-0.2	-0.01	99	55.35	28.106	7.84	-82.9	-3.5
8/13/2004	7:30:39	31.92	47.485	30.70	1.0	0.06	99	55.36	28.133	7.85	-82.7	-3.5
8/13/2004	8:00:39	30.76	48.437	31.43	0.4	0.03	99	55.38	28.118	7.85	-90.3	-3.5
8/13/2004	8:30:39	35.50	44.779	28.62	3.3	0.19	100	55.37	28.217	7.84	-109.8	-3.6
8/13/2004	9:00:39	37.27	43.554	27.68	0.8	0.05	99	55.29	28.200	7.83	-174.4	-3.5
8/13/2004	9:30:39	37.02	43.727	27.81	3.3	0.19	99	55.28	28.188	7.84	-220.5	-3.5
8/13/2004	10:00:39	37.04	43.715	27.80	0.1	0.00	99	55.24	28.159	7.85	-256.8	-3.5
8/13/2004	10:30:39	36.27	44.242	28.21	2.7	0.16	99	55.16	28.085	7.86	-285.4	-3.5
8/13/2004	11:00:39	37.39	43.475	27.62	3.0	0.18	100	55.03	28.021	7.85	-303.9	-3.7
8/13/2004	11:30:39	36.77	43.896	27.94	3.1	0.18	99	54.94	27.942	7.86	-311.8	-3.8
8/13/2004	12:00:39	35.82	44.559	28.45	1.6	0.10	99	54.86	27.873	7.86	-291.6	-3.8
8/13/2004	12:30:39	35.90	44.506	28.41	3.8	0.22	100	54.71	27.767	7.85	-267.8	-3.8
8/13/2004	13:00:39	39.06	42.386	26.79	-1.0	-0.06	99	54.58	27.741	7.84	-218.6	-3.8
8/13/2004	13:30:39	36.51	44.078	28.08	1.2	0.07	99	54.46	27.610	7.84	-174.8	-3.8
8/14/2004	14:00:39	38.28	42.889	27.17	0.4	0.02	99	54.48	27.659	7.83	-131.3	-4.0
8/14/2004	14:30:39	41.62	40.808	25.59	3.0	0.16	99	54.44	27.697	7.82	-84.6	-4.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/14/2004	15:00:39	42.25	40.441	25.31	0.2	0.01	99	54.51	27.760	7.81	-77.7	-4.0
8/14/2004	15:30:39	39.16	42.317	26.74	1.0	0.06	100	54.60	27.757	7.81	-74.9	-4.0
8/14/2004	16:00:39	37.47	43.423	27.58	1.2	0.07	100	54.73	27.814	7.81	-75.2	-4.0
8/14/2004	16:30:39	41.70	40.769	25.56	0.8	0.04	100	54.79	27.944	7.82	-70.8	-4.0
8/14/2004	17:00:39	41.01	41.185	25.87	3.1	0.17	99	55.00	28.076	7.82	-69.0	-3.9
8/14/2004	17:30:39	40.73	41.352	26.00	3.1	0.17	99	55.15	28.172	7.82	-67.5	-3.9
8/14/2004	18:00:39	42.65	40.217	25.14	4.2	0.23	99	55.20	28.251	7.81	-66.4	-4.0
8/14/2004	18:30:39	41.67	40.789	25.57	1.6	0.09	100	55.26	28.269	7.81	-63.0	-4.0
8/14/2004	19:00:39	40.68	41.377	26.02	4.2	0.23	100	55.31	28.285	7.80	-61.0	-4.0
8/14/2004	19:30:39	42.08	40.542	25.38	3.2	0.17	99	55.31	28.315	7.81	-58.8	-4.0
8/14/2004	20:00:39	41.87	40.665	25.48	4.0	0.22	99	55.38	28.356	7.81	-61.8	-4.0
8/14/2004	20:30:39	41.61	40.819	25.60	1.5	0.08	99	55.31	28.303	7.81	-101.0	-4.0
8/14/2004	21:00:39	41.43	40.923	25.67	2.9	0.16	100	55.34	28.324	7.82	-160.8	-4.0
8/14/2004	21:30:39	42.09	40.537	25.38	1.6	0.09	99	55.30	28.306	7.83	-211.0	-4.0
8/14/2004	22:00:39	42.27	40.432	25.30	3.0	0.16	99	55.27	28.289	7.82	-233.4	-3.9
8/14/2004	22:30:39	41.98	40.599	25.43	1.4	0.07	99	55.22	28.251	7.82	-270.2	-4.0
8/14/2004	23:00:39	40.84	41.277	25.94	1.1	0.06	100	55.15	28.178	7.83	-282.3	-4.0
8/14/2004	23:30:39	41.22	41.053	25.77	0.1	0.01	99	55.05	28.118	7.83	-286.0	-4.0
8/14/2004	0:00:39	43.37	39.803	24.82	2.6	0.14	99	55.00	28.125	7.84	-277.2	-4.0
8/14/2004	0:30:39	41.28	41.013	25.74	0.7	0.04	99	54.85	27.975	7.84	-250.3	-3.8
8/14/2004	1:00:39	41.93	40.632	25.45	2.1	0.12	99	54.78	27.942	7.84	-217.3	-2.9
8/14/2004	1:30:39	40.47	41.508	26.12	0.6	0.04	99	54.61	27.795	7.83	-179.6	-1.3
8/15/2004	2:00:39	39.89	41.863	26.39	2.9	0.16	100	54.54	27.732	7.82	-140.2	-1.5
8/15/2004	2:30:39	40.02	41.780	26.33	1.8	0.10	99	54.55	27.740	7.81	-105.7	-3.5
8/15/2004	3:00:39	41.41	40.940	25.69	6.2	0.34	99	54.52	27.750	7.82	-98.6	-4.0
8/15/2004	3:30:39	39.20	42.305	26.73	24.7	1.40	99	54.56	27.730	7.83	-26.9	-4.0
8/15/2004	4:00:39	39.42	42.163	26.62	23.1	1.30	99	54.71	27.842	7.83	-27.1	-3.8
8/15/2004	4:30:39	40.64	41.410	26.04	20.5	1.14	99	54.84	27.957	7.82	-30.8	-4.0
8/15/2004	5:00:39	40.07	41.760	26.31	21.7	1.22	99	54.94	28.013	7.83	-29.0	-3.9
8/15/2004	5:30:39	40.82	41.303	25.96	23.0	1.28	99	55.07	28.118	7.82	-26.8	-4.0
8/15/2004	6:00:39	41.49	40.901	25.66	21.8	1.20	99	55.17	28.207	7.82	-30.3	-4.0
8/15/2004	6:30:39	43.96	39.485	24.58	18.4	0.98	99	55.29	28.335	7.81	-56.3	-4.0
8/15/2004	7:00:39	38.52	42.735	27.05	26.3	1.50	99	55.34	28.258	7.81	-20.0	-4.0
8/15/2004	7:30:39	45.42	38.681	23.98	18.4	0.96	99	55.35	28.409	7.79	-60.2	-3.9
8/15/2004	8:00:39	39.70	41.981	26.48	21.6	1.21	99	55.39	28.321	7.81	-30.1	-3.6
8/15/2004	8:30:39	44.11	39.388	24.51	19.7	1.04	100	55.40	28.420	7.80	-95.1	333.5
8/15/2004	9:00:39	42.64	40.219	25.14	20.7	1.12	99	55.36	28.361	7.81	-146.2	269.8
8/15/2004	9:30:39	44.31	39.279	24.43	12.3	0.65	99	55.35	28.385	7.80	-192.9	-2.4
8/15/2004	10:00:39	43.39	39.793	24.82	7.9	0.43	99	55.33	28.356	7.81	-229.8	-4.0
8/15/2004	10:30:39	45.24	38.778	24.05	4.9	0.26	99	55.30	28.370	7.81	-239.2	-4.0
8/15/2004	11:00:39	45.73	38.519	23.85	4.3	0.22	99	55.28	28.367	7.81	-271.3	-4.1
8/15/2004	11:30:39	44.87	38.977	24.20	2.7	0.14	99	55.19	28.286	7.82	-251.8	-4.0
8/15/2004	12:00:39	44.50	39.176	24.35	0.9	0.05	99	55.12	28.228	7.83	-269.7	-4.0
8/15/2004	12:30:39	45.65	38.562	23.89	1.2	0.06	99	54.97	28.151	7.83	-232.5	-4.0
8/15/2004	13:00:39	45.43	38.678	23.97	0.0	0.00	100	54.92	28.109	7.83	-166.0	-4.0
8/15/2004	13:30:39	44.36	39.255	24.41	1.3	0.07	99	54.75	27.969	7.83	-164.5	-3.8
8/16/2004	14:00:39	46.05	38.353	23.73	1.4	0.07	99	54.66	27.941	7.82	-122.5	-4.0
8/16/2004	14:30:39	44.81	39.013	24.23	2.1	0.11	99	54.61	27.877	7.81	-89.2	-3.6
8/16/2004	15:00:39	44.88	38.975	24.20	2.8	0.15	99	54.57	27.856	7.80	-78.5	-4.0
8/16/2004	15:30:39	45.70	38.537	23.87	3.3	0.17	99	54.62	27.902	7.80	-77.5	-4.0
8/16/2004	16:00:39	46.91	37.914	23.40	3.7	0.19	99	54.69	27.979	7.81	-73.5	-4.0
8/16/2004	16:30:39	47.36	37.684	23.22	2.8	0.14	99	54.79	28.058	7.80	-72.4	-2.3
8/16/2004	17:00:39	45.77	38.508	23.84	2.8	0.14	99	54.89	28.093	7.81	-71.3	-4.0
8/16/2004	17:30:39	45.57	38.611	23.92	3.1	0.16	99	55.01	28.175	7.81	-68.8	-4.0
8/16/2004	18:00:39	46.79	37.976	23.44	3.9	0.20	99	55.11	28.269	7.80	-69.9	-3.9
8/16/2004	18:30:39	46.78	37.978	23.45	2.7	0.14	99	55.21	28.343	7.81	-72.3	-4.0
8/16/2004	19:00:39	46.23	38.264	23.66	4.4	0.23	99	55.27	28.374	7.81	-73.1	-4.0
8/16/2004	19:30:39	45.71	38.535	23.87	2.4	0.13	99	55.29	28.375	7.81	-74.5	-4.0
8/16/2004	20:00:39	46.24	38.262	23.66	3.0	0.16	99	55.34	28.418	7.81	-75.6	-4.0
8/16/2004	20:30:39	46.15	38.306	23.69	2.7	0.14	99	55.34	28.416	7.81	-116.7	-4.0
8/16/2004	21:00:39	46.34	38.206	23.62	3.3	0.17	99	55.33	28.415	7.81	-181.0	-3.7
8/16/2004	21:30:39	44.48	39.195	24.36	2.1	0.11	99	55.30	28.356	7.82	-245.4	-4.0
8/16/2004	22:00:39	45.13	38.842	24.10	3.1	0.16	99	55.29	28.359	7.84	-394.4	-4.0
8/16/2004	22:30:39	45.79	38.493	23.83	3.9	0.20	99	55.26	28.357	7.84	-441.2	-4.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/16/2004	23:00:39	46.79	37.973	23.44	3.6	0.18	99	55.24	28.359	7.82	-434.8	-4.0
8/16/2004	23:30:39	46.79	37.976	23.44	2.9	0.15	100	55.22	28.347	7.83	-467.8	-4.0
8/16/2004	0:00:39	45.90	38.436	23.79	2.3	0.12	99	55.13	28.263	7.83	-401.9	-2.2
8/16/2004	0:30:39	47.20	37.767	23.29	3.9	0.20	99	55.06	28.246	7.83	-385.4	-4.0
8/16/2004	1:00:39	46.26	38.252	23.65	2.1	0.11	99	54.96	28.154	7.84	-314.1	-4.1
8/16/2004	1:30:39	47.00	37.866	23.36	3.9	0.20	99	54.86	28.099	7.83	-236.5	-3.6
8/17/2004	2:00:39	46.64	38.055	23.50	2.0	0.10	99	54.76	28.022	7.81	-174.2	-3.8
8/17/2004	2:30:39	45.45	38.676	23.97	1.2	0.06	99	54.69	27.947	7.80	-110.5	-3.6
8/17/2004	3:00:39	47.48	37.624	23.18	3.2	0.16	99	54.65	27.964	7.78	-94.9	-3.7
8/17/2004	3:30:39	46.96	37.889	23.38	2.4	0.12	99	54.66	27.960	7.78	-88.8	-4.1
8/17/2004	4:00:39	46.87	37.935	23.41	3.0	0.16	99	54.68	27.974	7.80	-84.9	-3.7
8/17/2004	4:30:39	47.77	37.481	23.07	4.5	0.23	99	54.78	28.060	7.80	-81.5	-0.7
8/17/2004	5:00:39	47.57	37.580	23.15	4.3	0.22	99	54.85	28.102	7.80	-78.2	-4.1
8/17/2004	5:30:39	46.38	38.190	23.60	4.5	0.23	99	54.98	28.167	7.81	-73.5	-4.0
8/17/2004	6:00:39	48.40	37.170	22.84	2.3	0.12	99	55.07	28.271	7.80	-76.1	9.2
8/17/2004	6:30:39	47.80	37.465	23.06	1.0	0.05	99	55.16	28.323	7.80	-74.5	0.4
8/17/2004	7:00:39	46.91	37.914	23.40	1.5	0.08	99	55.22	28.346	7.80	-73.0	-3.8
8/17/2004	7:30:39	48.33	37.206	22.87	4.5	0.22	99	55.25	28.400	7.80	-73.1	-4.1
8/17/2004	8:00:39	48.27	37.232	22.89	3.0	0.15	99	55.28	28.415	7.80	-74.3	-4.1
8/17/2004	8:30:39	48.36	37.188	22.85	2.9	0.14	99	55.27	28.411	7.80	-112.4	-4.0
8/17/2004	9:00:39	48.82	36.967	22.69	5.2	0.26	99	55.27	28.424	7.81	-215.4	-4.1
8/17/2004	9:30:39	48.01	37.364	22.98	4.6	0.23	99	55.26	28.402	7.83	-357.4	-4.1
8/17/2004	10:00:39	48.97	36.891	22.63	5.0	0.25	99	55.26	28.416	7.83	-342.6	-4.1
8/17/2004	10:30:39	49.01	36.870	22.61	2.8	0.14	99	55.25	28.414	7.83	-451.8	-4.1
8/17/2004	11:00:39	47.69	37.522	23.10	2.8	0.14	99	55.24	28.380	7.81	-381.0	-4.0
8/17/2004	11:30:39	48.58	37.081	22.77	3.1	0.16	99	55.22	28.383	7.82	-345.5	-4.1
8/17/2004	12:00:39	49.14	36.811	22.57	4.4	0.22	99	55.19	28.373	7.80	-266.5	-4.1
8/17/2004	12:30:39	47.50	37.614	23.17	2.5	0.13	99	55.14	28.304	7.80	-202.7	-4.1
8/17/2004	13:00:39	49.21	36.778	22.55	3.0	0.15	99	55.07	28.293	7.80	-182.6	-4.1
8/17/2004	13:30:39	49.33	36.718	22.50	3.5	0.17	99	54.99	28.236	7.80	-178.3	-4.1
8/18/2004	14:00:39	48.15	37.292	22.93	3.8	0.19	99	54.89	28.144	7.80	-132.0	-4.0
8/18/2004	14:30:39	49.48	36.648	22.45	2.3	0.11	99	54.83	28.129	7.79	-100.7	-4.1
8/18/2004	15:00:39	47.64	37.548	23.12	3.1	0.16	99	54.77	28.052	7.80	-90.4	-4.1
8/18/2004	15:30:39	47.72	37.509	23.09	3.3	0.17	99	54.77	28.047	7.80	-86.4	-4.0
8/18/2004	16:00:39	47.90	37.418	23.02	3.3	0.17	99	54.78	28.059	7.80	-84.0	-4.1
8/18/2004	16:30:39	49.77	36.511	22.35	4.1	0.20	99	54.81	28.119	7.80	-81.7	-4.1
8/18/2004	17:00:39	49.92	36.438	22.29	4.3	0.21	99	54.88	28.173	7.79	-79.1	-4.0
8/18/2004	17:30:39	48.50	37.119	22.80	4.7	0.23	99	54.98	28.211	7.79	-76.2	-4.1
8/18/2004	18:00:39	48.24	37.246	22.90	5.3	0.26	99	55.04	28.253	7.79	-75.3	-4.0
8/18/2004	18:30:39	48.19	37.270	22.91	4.5	0.23	99	55.13	28.311	7.79	-74.6	-4.1
8/18/2004	19:00:39	47.98	37.374	22.99	4.7	0.24	99	55.17	28.334	7.80	-73.6	-4.0
8/18/2004	19:30:39	49.37	36.694	22.48	3.9	0.19	99	55.22	28.399	7.80	-72.7	-4.1
8/18/2004	20:00:39	47.59	37.568	23.14	5.3	0.27	99	55.23	28.373	7.80	-77.4	-4.1
8/18/2004	20:30:39	48.41	37.160	22.83	5.1	0.26	99	55.22	28.378	7.80	-177.6	-4.1
8/18/2004	21:00:39	50.00	36.397	22.26	4.8	0.23	99	55.20	28.401	7.81	-191.7	-4.1
8/18/2004	21:30:39	49.16	36.797	22.56	5.3	0.26	100	55.18	28.369	7.83	-334.4	-4.1
8/18/2004	22:00:39	49.01	36.871	22.62	4.7	0.24	99	55.15	28.344	7.83	-388.2	-4.0
8/18/2004	22:30:39	48.21	37.259	22.91	5.9	0.30	99	55.18	28.347	7.82	-440.6	-4.0
8/18/2004	23:00:39	48.78	36.983	22.70	5.8	0.29	99	55.17	28.350	7.82	-436.2	-4.0
8/18/2004	23:30:39	50.00	36.399	22.26	4.5	0.22	100	55.14	28.373	7.81	-475.9	-3.8
8/18/2004	0:00:39	48.84	36.951	22.68	5.5	0.28	99	55.14	28.335	7.81	-445.7	-3.9
8/18/2004	0:30:39	49.88	36.455	22.30	4.3	0.21	99	55.15	28.357	7.81	-391.0	-3.8
8/18/2004	1:00:39	48.56	37.087	22.78	5.1	0.26	99	55.11	28.305	7.82	-323.1	-3.7
8/18/2004	1:30:39	48.80	36.970	22.69	4.7	0.24	99	55.05	28.265	7.81	-240.2	-3.9
8/19/2004	2:00:39	48.69	37.027	22.73	4.9	0.24	99	55.00	28.234	7.80	-159.4	-3.8
8/19/2004	2:30:39	49.25	36.756	22.53	4.9	0.24	99	54.94	28.197	7.79	-106.2	-3.6
8/19/2004	3:00:39	49.05	36.848	22.60	3.4	0.17	99	54.90	28.169	7.79	-94.3	-3.5
8/19/2004	3:30:39	49.15	36.804	22.57	5.1	0.25	99	54.89	28.162	7.79	-87.6	-3.7
8/19/2004	4:00:39	50.00	36.399	22.26	4.0	0.20	99	54.86	28.167	7.79	-85.4	-3.8
8/19/2004	4:30:39	48.98	36.883	22.62	3.5	0.17	99	54.88	28.152	7.80	-80.8	-3.8
8/19/2004	5:00:39	49.61	36.581	22.40	3.9	0.19	99	54.92	28.192	7.79	-78.0	-3.9
8/19/2004	5:30:39	49.58	36.598	22.41	4.8	0.24	99	55.01	28.255	7.80	-76.8	-3.8
8/19/2004	6:00:39	49.61	36.579	22.40	4.4	0.22	99	55.05	28.285	7.80	-74.6	-3.9
8/19/2004	6:30:39	50.00	36.397	22.26	4.9	0.24	99	55.12	28.346	7.79	-72.4	-3.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/19/2004	7:00:39	50.00	36.396	22.26	4.8	0.24	99	55.17	28.383	7.79	-70.4	-3.8
8/19/2004	7:30:39	50.00	36.395	22.26	6.0	0.30	99	55.21	28.406	7.79	-68.2	-3.8
8/19/2004	8:00:39	50.00	36.394	22.26	6.4	0.31	99	55.22	28.416	7.79	-76.5	-3.8
8/19/2004	8:30:39	50.00	36.394	22.26	5.8	0.28	99	55.21	28.410	7.80	-188.9	-3.8
8/19/2004	9:00:39	50.00	36.395	22.26	4.9	0.24	99	55.18	28.393	7.81	-250.0	-3.6
8/19/2004	9:30:39	50.00	36.395	22.26	4.4	0.22	100	55.16	28.381	7.82	-329.3	-3.9
8/19/2004	10:00:39	50.00	36.396	22.26	4.7	0.23	99	55.14	28.371	7.83	-386.5	-3.8
8/19/2004	10:30:39	50.00	36.396	22.26	4.4	0.22	100	55.12	28.351	7.83	-426.9	-3.8
8/19/2004	11:00:39	50.00	36.396	22.26	5.5	0.27	99	55.10	28.347	7.83	-451.7	-3.8
8/19/2004	11:30:39	50.00	36.397	22.26	4.9	0.24	99	55.12	28.366	7.81	-466.8	-3.3
8/19/2004	12:00:39	50.00	36.397	22.26	5.6	0.28	99	55.13	28.371	7.81	-430.6	-3.7
8/19/2004	12:30:39	50.00	36.397	22.26	4.3	0.21	99	55.14	28.375	7.82	-382.0	-3.7
8/19/2004	13:00:39	50.00	36.397	22.26	4.8	0.24	99	55.16	28.392	7.81	-308.7	-3.7
8/19/2004	13:30:39	50.00	36.396	22.26	4.2	0.21	99	55.16	28.392	7.81	-225.4	-3.5
8/20/2004	14:00:39	50.00	36.395	22.26	5.1	0.25	99	55.13	28.371	7.79	-156.6	-3.8
8/20/2004	14:30:39	50.00	36.396	22.26	3.8	0.19	99	55.09	28.347	7.79	-104.8	-3.8
8/20/2004	15:00:39	50.00	36.397	22.26	5.0	0.25	99	55.07	28.332	7.78	-91.6	-3.9
8/20/2004	15:30:39	50.00	36.397	22.26	3.9	0.19	99	55.04	28.318	7.77	-85.6	-3.8
8/20/2004	16:00:39	50.00	36.397	22.26	3.6	0.18	99	55.02	28.306	7.77	-81.2	-3.9
8/20/2004	16:30:39	50.00	36.397	22.26	4.3	0.21	99	55.03	28.316	7.76	-78.0	-3.9
8/20/2004	17:00:39	50.00	36.397	22.26	3.7	0.18	99	55.04	28.331	7.75	-75.9	-3.9
8/20/2004	17:30:39	50.00	36.397	22.26	4.9	0.24	99	55.06	28.333	7.77	-74.4	-3.8
8/20/2004	18:00:39	50.00	36.398	22.26	5.9	0.29	99	55.10	28.346	7.77	-73.2	-3.9
8/20/2004	18:30:39	50.00	36.397	22.26	5.3	0.26	99	55.17	28.429	7.78	-70.9	-3.6
8/20/2004	19:00:39	50.00	36.395	22.26	8.2	0.40	99	55.21	28.424	7.79	-68.1	4.2
8/20/2004	19:30:39	50.00	36.394	22.26	7.7	0.38	99	55.20	28.423	7.79	-67.0	-3.3
8/20/2004	20:00:39	50.00	36.393	22.26	9.0	0.44	99	55.17	28.429	7.79	-74.1	-3.8
8/20/2004	20:30:39	50.00	36.393	22.26	10.0	0.49	99	55.14	28.394	7.80	-152.2	-3.8
8/20/2004	21:00:39	50.00	36.393	22.26	9.5	0.47	99	55.10	28.362	7.81	-242.0	-3.8
8/20/2004	21:30:39	50.00	36.394	22.26	8.8	0.43	99	55.06	28.325	7.82	-320.8	-3.7
8/20/2004	22:00:39	50.00	36.394	22.26	8.7	0.43	99	55.02	28.311	7.82	-375.6	-3.5
8/20/2004	22:30:39	50.00	36.395	22.26	7.8	0.39	99	54.97	28.280	7.82	-422.4	-3.9
8/20/2004	23:00:39	50.00	36.395	22.26	8.3	0.41	99	54.98	28.300	7.81	-437.3	-3.8
8/20/2004	23:30:39	50.00	36.395	22.26	6.8	0.34	99	54.99	28.307	7.82	-447.0	-3.8
8/20/2004	0:00:39	50.00	36.395	22.26	6.8	0.34	99	55.02	28.319	7.81	-419.3	-2.1
8/20/2004	0:30:39	50.00	36.394	22.26	7.6	0.37	99	55.03	28.312	7.81	-372.2	-3.8
8/20/2004	1:00:39	50.00	36.394	22.26	7.0	0.34	99	55.06	28.353	7.81	-298.6	-3.8
8/20/2004	1:30:39	50.00	36.394	22.26	6.6	0.33	99	55.12	28.381	7.80	-225.2	-3.8
8/21/2004	2:00:39	50.00	36.395	22.26	6.8	0.33	99	55.16	28.422	7.79	-156.3	-3.6
8/21/2004	2:30:39	50.00	36.395	22.26	6.8	0.33	99	55.13	28.414	7.78	-104.2	-3.8
8/21/2004	3:00:39	50.00	36.395	22.26	7.1	0.35	100	55.17	28.446	7.78	-91.6	-3.7
8/21/2004	3:30:39	50.00	36.396	22.26	7.2	0.35	99	55.13	28.411	7.79	-86.4	-3.8
8/21/2004	4:00:39	50.00	36.397	22.26	8.0	0.40	99	55.12	28.422	7.78	-81.1	-3.5
8/21/2004	4:30:39	50.00	36.397	22.26	8.1	0.40	99	55.13	28.402	7.79	-79.5	-3.6
8/21/2004	5:00:39	50.00	36.397	22.26	8.1	0.40	99	55.14	28.417	7.78	-76.9	-3.8
8/21/2004	5:30:39	50.00	36.397	22.26	7.9	0.39	99	55.13	28.437	7.78	-74.3	-3.8
8/21/2004	6:00:39	50.00	36.397	22.26	9.3	0.46	99	55.16	28.425	7.78	-71.5	-3.8
8/21/2004	6:30:39	50.00	36.396	22.26	10.1	0.50	99	55.15	28.415	7.78	-69.8	-3.8
8/21/2004	7:00:39	50.00	36.395	22.26	10.1	0.50	99	55.15	28.427	7.78	-69.7	-3.8
8/21/2004	7:30:39	50.00	36.396	22.26	9.7	0.48	99	55.16	28.430	7.77	-68.9	-4.0
8/21/2004	8:00:39	50.00	36.393	22.26	11.5	0.57	99	55.13	28.415	7.76	-70.0	-3.8
8/21/2004	8:30:39	50.00	36.392	22.26	11.9	0.58	99	55.07	28.371	7.79	-153.7	-3.9
8/21/2004	9:00:39	50.00	36.392	22.26	13.4	0.66	99	54.99	28.307	7.81	-240.3	-3.6
8/21/2004	9:30:39	50.00	36.392	22.26	13.6	0.67	100	54.93	28.279	7.82	-316.7	-3.6
8/21/2004	10:00:39	50.00	36.393	22.26	13.4	0.66	99	54.86	28.228	7.82	-319.4	-3.7
8/21/2004	10:30:39	50.00	36.393	22.26	14.3	0.71	99	54.82	28.199	7.83	-420.1	-3.8
8/21/2004	11:00:39	50.00	36.393	22.26	14.4	0.71	99	54.78	28.176	7.83	-446.8	-3.8
8/21/2004	11:30:39	50.00	36.393	22.26	13.5	0.66	99	54.79	28.182	7.83	-440.4	-3.8
8/21/2004	12:00:39	50.00	36.394	22.26	13.3	0.66	99	54.80	28.195	7.83	-414.4	-3.7
8/21/2004	12:30:39	50.00	36.395	22.26	11.7	0.58	99	54.85	28.237	7.82	-365.8	-3.8
8/21/2004	13:00:39	50.00	36.395	22.26	12.7	0.63	99	54.92	28.272	7.82	-299.0	-3.8
8/21/2004	13:30:39	50.00	36.395	22.26	11.5	0.57	99	55.01	28.346	7.80	-226.6	-3.6
8/22/2004	14:00:39	50.00	36.395	22.26	10.8	0.53	99	55.08	28.398	7.79	-158.2	-3.8
8/22/2004	14:30:39	50.00	36.394	22.26	10.3	0.51	99	55.15	28.456	7.78	-102.4	-3.8

Appendix 5
Water Quality Data

West Flower Garden Bank													
July 15, 2004 - November 19, 2004													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/22/2004	15:00:39	50.00	36.394	22.26	10.0	0.49	99	55.19	28.461	7.79	-91.1	-0.7
8/22/2004	15:30:39	50.00	36.395	22.26	10.3	0.51	100	55.23	28.490	7.77	-84.6	-3.9
8/22/2004	16:00:39	50.00	36.395	22.26	10.9	0.54	99	55.25	28.533	7.77	-80.7	-3.9
8/22/2004	16:30:39	50.00	36.396	22.26	11.0	0.54	99	55.23	28.497	7.79	-78.4	-3.9
8/22/2004	17:00:39	50.00	36.397	22.26	10.5	0.52	99	55.24	28.507	7.77	-75.9	-3.8
8/22/2004	17:30:39	50.00	36.397	22.26	10.4	0.51	99	55.25	28.526	7.78	-74.3	-3.9
8/22/2004	18:00:39	50.00	36.399	22.26	11.4	0.56	99	55.22	28.504	7.78	-73.1	-3.8
8/22/2004	18:30:39	50.00	36.400	22.26	12.7	0.62	99	55.23	28.515	7.78	-71.7	-3.8
8/22/2004	19:00:39	50.00	36.397	22.26	13.6	0.67	99	55.22	28.524	7.78	-69.5	1.7
8/22/2004	19:30:39	50.00	36.397	22.26	13.1	0.64	99	55.21	28.480	7.77	-68.1	-3.8
8/22/2004	20:00:39	50.00	36.397	22.26	14.4	0.71	99	55.17	28.452	7.78	-75.1	-3.8
8/22/2004	20:30:39	50.00	36.397	22.26	13.5	0.66	100	55.11	28.411	7.78	-125.1	-3.9
8/22/2004	21:00:39	50.00	36.397	22.26	16.2	0.80	99	55.02	28.377	7.80	-252.6	-3.8
8/22/2004	21:30:39	50.00	36.395	22.26	16.9	0.83	99	54.95	28.290	7.82	-329.8	-3.8
8/22/2004	22:00:39	50.00	36.394	22.26	18.4	0.91	99	54.85	28.265	7.84	-378.2	-3.9
8/22/2004	22:30:39	50.00	36.394	22.26	19.5	0.96	99	54.76	28.163	7.84	-420.7	-3.8
8/22/2004	23:00:39	50.00	36.394	22.26	18.6	0.92	99	54.72	28.170	7.83	-474.1	-3.8
8/22/2004	23:30:39	50.00	36.395	22.26	18.5	0.91	99	54.70	28.125	7.83	-286.3	-3.8
8/22/2004	0:00:39	50.00	36.395	22.26	17.9	0.88	99	54.68	28.147	7.83	-296.8	-3.9
8/22/2004	0:30:39	50.00	36.395	22.26	18.3	0.90	99	54.71	28.156	7.84	-359.1	-3.8
8/22/2004	1:00:39	50.00	36.395	22.26	15.7	0.78	99	54.78	28.180	7.80	-277.4	-3.9
8/22/2004	1:30:39	50.00	36.392	22.26	15.1	0.74	99	54.88	28.257	7.80	-229.1	-3.9
8/23/2004	2:00:39	50.00	36.389	22.26	13.7	0.67	99	54.98	28.334	7.79	-142.3	-3.9
8/23/2004	2:30:39	50.00	36.389	22.26	14.2	0.70	99	55.09	28.396	7.79	-98.8	-3.9
8/23/2004	3:00:39	50.00	36.389	22.26	14.5	0.71	100	55.20	28.505	7.78	-86.5	-3.8
8/23/2004	3:30:39	50.00	36.389	22.26	13.0	0.64	99	55.27	28.548	7.77	-80.7	-4.0
8/23/2004	4:00:39	50.00	36.390	22.26	13.5	0.67	99	55.33	28.570	7.77	-77.8	-3.8
8/23/2004	4:30:39	50.00	36.390	22.26	12.6	0.62	99	55.34	28.626	7.75	-75.9	-4.0
8/23/2004	5:00:39	50.00	36.391	22.26	11.7	0.58	99	55.35	28.623	7.75	-72.5	-3.8
8/23/2004	5:30:39	50.00	36.391	22.26	10.7	0.53	98	55.34	28.609	7.74	-71.1	-4.0
8/23/2004	6:00:39	50.00	36.391	22.26	11.4	0.56	95	55.33	28.577	7.74	-69.5	-3.9
8/23/2004	6:30:39	50.00	36.391	22.26	10.2	0.50	93	55.30	28.600	7.72	-67.4	-3.9
8/23/2004	7:00:39	50.00	36.391	22.26	9.6	0.47	90	55.28	28.563	7.72	-67.1	-3.9
8/23/2004	7:30:39	50.00	36.392	22.26	9.3	0.46	88	55.24	28.542	7.73	-66.6	-4.0
8/23/2004	8:00:39	50.00	36.396	22.26	14.8	0.73	88	55.21	28.520	7.79	-75.6	-3.9
8/23/2004	8:30:39	50.00	36.397	22.26	16.4	0.81	87	55.15	28.491	7.80	-149.2	-3.9
8/23/2004	9:00:39	50.00	36.397	22.26	18.0	0.89	87	55.08	28.456	7.81	-237.2	-3.9
8/23/2004	9:30:39	50.00	36.397	22.26	18.8	0.93	87	54.94	28.319	7.84	-311.6	-4.0
8/23/2004	10:00:39	50.00	36.397	22.26	19.1	0.94	88	54.86	28.274	7.85	-362.4	-4.0
8/23/2004	10:30:39	50.00	36.397	22.26	20.9	1.03	88	54.76	28.200	7.85	-400.8	-3.9
8/23/2004	11:00:39	50.00	36.394	22.26	18.4	0.91	84	54.65	28.148	7.82	-425.9	-4.0
8/23/2004	11:30:39	50.00	36.394	22.26	19.2	0.94	86	54.57	28.067	7.83	-443.6	-4.0
8/23/2004	12:00:39	50.00	36.394	22.26	19.5	0.96	86	54.54	28.048	7.83	-405.2	-3.9
8/23/2004	12:30:39	50.00	36.394	22.26	18.3	0.90	84	54.57	28.091	7.83	-349.3	-4.0
8/23/2004	13:00:39	50.00	36.393	22.26	18.6	0.92	84	54.62	28.094	7.83	-293.8	-4.0
8/23/2004	13:30:39	50.00	36.394	22.26	18.6	0.92	83	54.67	28.139	7.82	-226.8	-3.9
8/24/2004	14:00:39	50.00	36.394	22.26	17.1	0.84	81	54.82	28.278	7.79	-138.0	-3.9
8/24/2004	14:30:39	50.00	36.394	22.26	15.7	0.77	80	54.96	28.382	7.77	-99.6	-3.8
8/24/2004	15:00:39	50.00	36.394	22.26	16.0	0.79	80	55.11	28.443	7.78	-88.0	-3.8
8/24/2004	15:30:39	50.00	36.395	22.26	14.5	0.71	80	55.23	28.546	7.77	-81.9	-4.0
8/24/2004	16:00:39	50.00	36.394	22.26	13.8	0.68	77	55.33	28.651	7.76	-79.7	-4.0
8/24/2004	16:30:39	50.00	36.394	22.26	13.7	0.67	76	55.39	28.689	7.75	-75.8	-3.9
8/24/2004	17:00:39	50.00	36.395	22.26	13.3	0.65	76	55.42	28.708	7.74	-74.7	-4.0
8/24/2004	17:30:39	50.00	36.395	22.26	12.6	0.62	74	55.43	28.680	7.74	-71.0	-3.9
8/24/2004	18:00:39	50.00	36.395	22.26	11.1	0.55	73	55.42	28.690	7.72	-69.3	-3.9
8/24/2004	18:30:39	50.00	36.395	22.26	10.8	0.53	70	55.40	28.665	7.71	-69.1	-0.8
8/24/2004	19:00:39	50.00	36.396	22.26	13.0	0.64	71	55.37	28.659	7.76	-69.5	-3.9
8/24/2004	19:30:39	50.00	36.397	22.26	11.1	0.55	69	55.31	28.646	7.76	-68.0	-4.0
8/24/2004	20:00:39	50.00	36.397	22.26	13.7	0.68	69	55.28	28.629	7.77	-74.3	-4.0
8/24/2004	20:30:39	50.00	36.397	22.26	16.2	0.80	69	55.22	28.557	7.79	-145.9	-4.0
8/24/2004	21:00:39	50.00	36.398	22.26	18.5	0.91	69	55.12	28.513	7.81	-238.2	-3.9
8/24/2004	21:30:39	50.00	36.397	22.26	18.9	0.93	65	55.02	28.403	7.81	-302.3	-4.0
8/24/2004	22:00:39	50.00	36.393	22.26	20.9	1.03	62	54.92	28.356	7.85	-354.0	-3.9
8/24/2004	22:30:39	50.00	36.391	22.26	21.5	1.06	62	54.79	28.269	7.85	-388.1	-4.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/24/2004	23:00:39	50.00	36.390	22.26	21.7	1.07	61	54.67	28.148	7.86	-422.7	-4.1
8/24/2004	23:30:39	50.00	36.389	22.26	21.7	1.07	61	54.57	28.118	7.85	-419.6	-4.0
8/24/2004	0:00:39	50.00	36.390	22.26	20.5	1.01	61	54.48	28.057	7.86	-408.1	-3.9
8/24/2004	0:30:39	50.00	36.390	22.26	17.0	0.84	60	54.44	28.031	7.83	-353.6	-4.0
8/24/2004	1:00:39	50.00	36.389	22.26	17.8	0.88	59	54.46	27.999	7.84	-286.8	-4.1
8/24/2004	1:30:39	50.00	36.390	22.26	17.2	0.85	59	54.54	28.056	7.82	-209.4	-4.0
8/25/2004	2:00:39	50.00	36.390	22.26	16.3	0.80	59	54.64	28.180	7.79	-148.1	-3.9
8/25/2004	2:30:39	50.00	36.390	22.26	15.2	0.75	58	54.79	28.275	7.78	-100.1	-3.9
8/25/2004	3:00:39	50.00	36.390	22.26	14.2	0.70	57	54.95	28.347	7.78	-87.6	-3.8
8/25/2004	3:30:39	50.00	36.390	22.26	13.5	0.66	56	55.13	28.520	7.77	-82.0	-3.8
8/25/2004	4:00:39	50.00	36.391	22.26	13.7	0.67	55	55.28	28.580	7.77	-77.5	-4.0
8/25/2004	4:30:39	50.00	36.391	22.26	12.2	0.60	54	55.37	28.686	7.76	-74.3	-4.0
8/25/2004	5:00:39	50.00	36.391	22.26	12.8	0.63	53	55.46	28.715	7.77	-72.6	-4.1
8/25/2004	5:30:39	50.00	36.391	22.26	11.7	0.58	52	55.50	28.781	7.76	-69.9	-4.1
8/25/2004	6:00:39	50.00	36.391	22.26	10.3	0.51	50	55.50	28.790	7.74	-68.7	-4.0
8/25/2004	6:30:39	50.00	36.391	22.26	9.5	0.47	49	55.49	28.782	7.74	-67.3	-4.1
8/25/2004	7:00:39	50.00	36.391	22.26	8.6	0.42	48	55.46	28.762	7.74	-66.2	-4.1
8/25/2004	7:30:39	50.00	36.391	22.26	7.7	0.38	47	55.42	28.721	7.72	-65.4	-4.0
8/25/2004	8:00:39	50.00	36.399	22.26	10.3	0.51	52	55.38	28.693	7.77	-73.0	-3.9
8/25/2004	8:30:39	50.00	36.400	22.26	10.7	0.53	51	55.32	28.675	7.78	-143.5	-4.0
8/25/2004	9:00:39	50.00	36.401	22.26	13.9	0.68	54	55.25	28.611	7.82	-230.2	-4.0
8/25/2004	9:30:39	50.00	36.401	22.26	13.5	0.66	53	55.15	28.537	7.83	-293.5	-4.0
8/25/2004	10:00:39	50.00	36.400	22.26	16.1	0.80	53	55.07	28.467	7.84	-339.3	-4.0
8/25/2004	10:30:39	50.00	36.400	22.26	16.6	0.82	55	54.92	28.362	7.86	-396.3	-4.0
8/25/2004	11:00:39	50.00	36.400	22.26	16.0	0.79	54	54.77	28.258	7.84	-409.7	-3.8
8/25/2004	11:30:39	50.00	36.400	22.26	17.1	0.84	56	54.65	28.197	7.86	-391.9	-4.0
8/25/2004	12:00:39	50.00	36.397	22.26	14.3	0.70	54	54.52	28.108	7.84	-404.8	-4.0
8/25/2004	12:30:39	50.00	36.397	22.26	13.9	0.68	53	54.42	28.030	7.83	-337.4	-4.1
8/25/2004	13:00:39	50.00	36.395	22.26	14.1	0.69	53	54.40	27.999	7.84	-271.4	-4.0
8/25/2004	13:30:39	50.00	36.395	22.26	12.9	0.64	53	54.41	28.009	7.82	-202.0	-4.0
8/26/2004	14:00:39	50.00	36.395	22.26	12.6	0.62	54	54.49	28.048	7.79	-141.6	-3.9
8/26/2004	14:30:39	50.00	36.396	22.26	11.7	0.57	53	54.63	28.185	7.77	-98.6	-4.0
8/26/2004	15:00:39	50.00	36.395	22.26	11.1	0.55	53	54.77	28.247	7.77	-87.4	-4.0
8/26/2004	15:30:39	50.00	36.395	22.26	11.0	0.54	54	54.94	28.408	7.76	-82.1	-4.0
8/26/2004	16:00:39	50.00	36.396	22.26	9.4	0.46	53	55.14	28.554	7.76	-78.9	-4.1
8/26/2004	16:30:39	50.00	36.396	22.26	9.7	0.48	53	55.26	28.606	7.76	-74.4	-3.8
8/26/2004	17:00:39	50.00	36.396	22.26	9.5	0.47	53	55.37	28.706	7.75	-74.5	-4.1
8/26/2004	17:30:39	50.00	36.396	22.26	7.8	0.38	54	55.45	28.770	7.73	-71.6	-1.8
8/26/2004	18:00:39	50.00	36.396	22.26	6.6	0.33	53	55.50	28.806	7.72	-69.7	-4.0
8/26/2004	18:30:39	50.00	36.395	22.26	6.6	0.32	53	55.52	28.812	7.72	-69.2	-4.0
8/26/2004	19:00:39	50.00	36.395	22.26	5.4	0.26	52	55.51	28.822	7.71	-67.4	-4.1
8/26/2004	19:30:39	50.00	36.395	22.26	4.8	0.24	51	55.48	28.759	7.70	-66.0	-4.0
8/26/2004	20:00:39	50.00	36.396	22.26	3.5	0.17	49	55.45	28.766	7.70	-71.6	-4.1
8/26/2004	20:30:39	50.00	36.396	22.26	3.2	0.16	50	55.41	28.731	7.70	-138.9	-3.9
8/26/2004	21:00:39	50.00	36.396	22.26	3.6	0.18	51	55.35	28.686	7.70	-158.0	-4.0
8/26/2004	21:30:39	50.00	36.397	22.26	3.8	0.19	52	55.27	28.634	7.69	-154.1	-4.0
8/26/2004	22:00:39	50.00	36.398	22.26	7.2	0.35	51	55.19	28.589	7.78	-310.4	-4.0
8/26/2004	22:30:39	50.00	36.399	22.26	7.6	0.38	49	55.06	28.489	7.79	-353.7	-4.0
8/26/2004	23:00:39	50.00	36.399	22.26	9.6	0.47	47	54.93	28.412	7.76	-241.1	-4.1
8/26/2004	23:30:39	50.00	36.400	22.26	10.9	0.54	48	54.77	28.302	7.77	-378.1	-4.1
8/26/2004	0:00:39	50.00	36.400	22.26	11.3	0.56	51	54.63	28.184	7.78	-350.1	-3.9
8/26/2004	0:30:39	50.00	36.401	22.26	16.1	0.79	98	54.50	28.090	7.80	-313.4	-3.5
8/26/2004	1:00:39	50.00	36.401	22.26	13.8	0.68	91	54.43	28.047	7.79	-222.7	-4.1
8/26/2004	1:30:39	50.00	36.401	22.26	15.0	0.74	88	54.38	28.041	7.78	-194.1	-4.1
8/27/2004	2:00:39	50.00	36.401	22.26	12.4	0.61	84	54.40	28.013	7.75	-132.9	-4.0
8/27/2004	2:30:39	50.00	36.401	22.26	12.4	0.61	81	54.47	28.100	7.74	-99.2	-4.0
8/27/2004	3:00:39	50.00	36.401	22.26	11.0	0.54	79	54.60	28.158	7.74	-88.7	-4.0
8/27/2004	3:30:39	50.00	36.401	22.26	9.9	0.49	76	54.78	28.296	7.73	-83.7	-4.1
8/27/2004	4:00:39	50.00	36.401	22.26	9.3	0.46	73	54.94	28.444	7.73	-79.4	-4.0
8/27/2004	4:30:39	50.00	36.402	22.26	8.6	0.42	73	55.11	28.542	7.72	-76.7	-4.1
8/27/2004	5:00:39	50.00	36.401	22.26	6.8	0.33	70	55.27	28.681	7.70	-73.7	-4.0
8/27/2004	5:30:39	50.00	36.400	22.26	6.4	0.31	66	55.37	28.739	7.73	-71.2	-4.0
8/27/2004	6:00:39	50.00	36.399	22.26	6.6	0.33	65	55.45	28.783	7.73	-70.4	-4.0
8/27/2004	6:30:39	50.00	36.399	22.26	4.5	0.22	62	55.50	28.833	7.72	-70.6	-3.9

Appendix 5
Water Quality Data

West Flower Garden Bank													
July 15, 2004 - November 19, 2004													
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
8/27/2004	7:00:39	50.00	36.400	22.26	4.3	0.21	61	55.51	28.844	7.70	-68.1	-4.1
8/27/2004	7:30:39	50.00	36.400	22.26	1.3	0.06	57	55.49	28.820	7.68	-67.0	-4.1
8/27/2004	8:00:39	50.00	36.403	22.26	7.7	0.38	47	55.47	28.831	7.75	-73.5	-4.1
8/27/2004	8:30:39	50.00	36.405	22.27	10.9	0.54	43	55.46	28.800	7.77	-127.0	-4.1
8/27/2004	9:00:39	50.00	36.406	22.27	10.6	0.52	47	55.41	28.760	7.81	-205.0	-4.1
8/27/2004	9:30:39	50.00	36.406	22.27	10.9	0.54	53	55.36	28.713	7.83	-263.1	-4.0
8/27/2004	10:00:39	50.00	36.407	22.27	12.6	0.62	56	55.29	28.725	7.85	-305.8	-4.1
8/27/2004	10:30:39	50.00	36.407	22.27	11.7	0.58	60	55.19	28.662	7.83	-333.9	-4.1
8/27/2004	11:00:39	50.00	36.407	22.27	11.8	0.58	63	55.10	28.593	7.82	-318.3	-4.1
8/27/2004	11:30:39	50.00	36.407	22.27	12.5	0.62	67	54.95	28.463	7.84	-378.4	-4.0
8/27/2004	12:00:39	50.00	36.407	22.27	13.0	0.64	73	54.79	28.339	7.84	-313.1	-4.0
8/27/2004	12:30:39	50.00	36.407	22.27	11.5	0.56	73	54.65	28.263	7.84	-299.9	-4.1
8/27/2004	13:00:39	50.00	36.407	22.27	11.1	0.55	76	54.51	28.159	7.81	-230.7	-4.0
8/27/2004	13:30:39	50.00	36.407	22.27	10.2	0.50	76	54.42	28.067	7.81	-191.2	-4.1
8/28/2004	14:00:39	50.00	36.407	22.27	8.4	0.42	76	54.37	28.038	7.77	-134.8	-4.1
8/28/2004	14:30:39	50.00	36.407	22.27	7.6	0.38	74	54.38	28.074	7.76	-98.3	-4.1
8/28/2004	15:00:39	50.00	36.407	22.27	5.7	0.28	73	54.46	28.131	7.75	-88.9	-4.0
8/28/2004	15:30:39	50.00	36.407	22.27	3.5	0.17	69	54.58	28.186	7.73	-84.9	-4.0
8/28/2004	16:00:39	50.00	36.407	22.27	3.8	0.19	65	54.76	28.339	7.73	-81.2	-4.0
8/28/2004	16:30:39	50.00	36.405	22.27	5.9	0.29	61	54.91	28.414	7.74	-76.8	-4.0
8/28/2004	17:00:39	50.00	36.405	22.27	6.6	0.33	60	55.09	28.540	7.76	-75.6	-4.1
8/28/2004	17:30:39	50.00	36.405	22.27	5.8	0.28	58	55.21	28.647	7.75	-75.0	-3.8
8/28/2004	18:00:39	50.00	36.405	22.27	5.2	0.26	59	55.31	28.725	7.75	-72.0	-4.0
8/28/2004	18:30:39	50.00	36.405	22.27	6.2	0.31	59	55.37	28.779	7.74	-67.6	-4.0
8/28/2004	19:00:39	50.00	36.405	22.27	4.3	0.21	57	55.41	28.789	7.73	-64.5	-4.1
8/28/2004	19:30:39	50.00	36.405	22.27	4.5	0.22	58	55.44	28.811	7.73	-67.2	-4.0
8/28/2004	20:00:39	50.00	36.405	22.27	5.7	0.28	58	55.42	28.815	7.75	-69.7	-4.1
8/28/2004	20:30:39	50.00	36.407	22.27	6.5	0.32	61	55.42	28.809	7.78	-125.8	-4.1
8/28/2004	21:00:39	50.00	36.407	22.27	8.8	0.43	63	55.40	28.807	7.80	-196.4	-4.1
8/28/2004	21:30:39	50.00	36.407	22.27	9.0	0.44	65	55.37	28.776	7.82	-255.6	-3.9
8/28/2004	22:00:39	50.00	36.407	22.27	11.7	0.58	69	55.35	28.747	7.84	-302.4	-4.0
8/28/2004	22:30:39	50.00	36.406	22.27	7.7	0.38	71	55.29	28.703	7.78	-183.5	-4.0
8/28/2004	23:00:39	50.00	36.405	22.27	9.0	0.44	74	55.23	28.672	7.83	-361.7	-4.1
8/28/2004	23:30:39	50.00	36.405	22.27	10.4	0.51	77	55.12	28.597	7.83	-347.3	-4.0
8/28/2004	0:00:39	50.00	36.405	22.27	9.8	0.48	80	54.99	28.515	7.82	-272.9	-4.0
8/28/2004	0:30:39	50.00	36.405	22.27	8.7	0.43	80	54.85	28.400	7.80	-201.9	-4.0
8/28/2004	1:00:39	50.00	36.405	22.27	9.5	0.47	84	54.69	28.295	7.83	-251.4	-4.1
8/28/2004	1:30:39	50.00	36.405	22.27	7.9	0.39	84	54.57	28.219	7.76	-116.8	-4.0
8/29/2004	2:00:39	50.00	36.405	22.27	8.0	0.39	81	54.49	28.150	7.76	-105.4	-3.8
8/29/2004	2:30:39	50.00	36.405	22.27	6.5	0.32	80	54.42	28.117	7.74	-86.3	-3.9
8/29/2004	3:00:39	50.00	36.405	22.27	5.3	0.26	77	54.46	28.137	7.74	-80.1	-4.0
8/29/2004	3:30:39	50.00	36.405	22.27	4.5	0.22	74	54.53	28.181	7.73	-77.1	-4.1
8/29/2004	4:00:39	50.00	36.405	22.27	2.3	0.11	74	54.66	28.265	7.71	-76.2	-4.1
8/29/2004	4:30:39	50.00	36.405	22.27	1.9	0.09	74	54.81	28.387	7.71	-73.2	-3.9
8/29/2004	5:00:39	50.00	36.406	22.27	1.9	0.09	76	54.96	28.485	7.70	-71.7	-4.0
8/29/2004	5:30:39	50.00	36.405	22.27	5.4	0.26	74	55.12	28.598	7.74	-67.8	-3.7
8/29/2004	6:00:39	50.00	36.404	22.27	5.4	0.27	69	55.23	28.671	7.75	-68.2	-4.1
8/29/2004	6:30:39	50.00	36.404	22.27	6.3	0.31	70	55.31	28.718	7.74	-67.3	-4.0
8/29/2004	7:00:39	50.00	36.404	22.27	5.3	0.26	70	55.35	28.783	7.74	-66.3	-4.0
8/29/2004	7:30:39	50.00	36.403	22.27	4.3	0.21	69	55.39	28.784	7.73	-65.7	-4.0
8/29/2004	8:00:39	50.00	36.404	22.27	5.3	0.26	69	55.40	28.821	7.73	-67.5	-4.1
8/29/2004	8:30:39	50.00	36.404	22.27	6.5	0.32	69	55.39	28.810	7.75	-120.8	-4.1
8/29/2004	9:00:39	50.00	36.405	22.27	11.0	0.54	73	55.36	28.755	7.80	-204.1	-4.0
8/29/2004	9:30:39	50.00	36.406	22.27	10.7	0.53	74	55.37	28.791	7.80	-224.2	-4.1
8/29/2004	10:00:39	50.00	36.407	22.27	10.5	0.52	79	55.35	28.784	7.80	-213.6	-4.1
8/29/2004	10:30:39	50.00	36.407	22.27	5.2	0.25	84	55.32	28.734	7.79	-181.3	-4.1
8/29/2004	11:00:39	50.00	36.407	22.27	-16.4	-0.81	99	55.29	28.749	7.82	-242.1	-4.1
8/29/2004	11:30:39	50.00	36.407	22.27	-11.2	-0.55	99	55.23	28.703	7.80	-200.1	-4.1
8/29/2004	12:00:39	50.00	36.407	22.27	-10.7	-0.53	99	55.15	28.633	7.81	-231.5	-4.1
8/29/2004	12:30:39	50.00	36.407	22.27	-13.8	-0.68	99	55.03	28.557	7.79	-189.5	-4.1
8/29/2004	13:00:39	50.00	36.407	22.27	-12.3	-0.61	99	54.89	28.458	7.78	-177.7	-4.1
8/29/2004	13:30:39	50.00	36.407	22.27	-0.1	-0.01	99	54.77	28.349	7.78	-161.4	-4.1
8/30/2004	14:00:39	50.00	36.408	22.27	0.6	0.03	99	54.66	28.311	7.75	-124.1	-4.0
8/30/2004	14:30:39	50.00	36.407	22.27	-0.8	-0.04	99	54.60	28.264	7.72	-91.0	-3.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 μeinst/ sec*m^2	Turbidity NTU
8/30/2004	15:00:39	50.00	36.407	22.27	-0.1	0.00	99	54.57	28.230	7.71	-82.9	-4.0
8/30/2004	15:30:39	50.00	36.407	22.27	0.5	0.02	98	54.61	28.284	7.71	-79.4	-4.1
8/30/2004	16:00:39	50.00	36.407	22.27	0.5	0.02	93	54.66	28.301	7.71	-74.6	-3.9
8/30/2004	16:30:39	50.00	36.407	22.27	-1.7	-0.09	86	54.77	28.368	7.69	-73.6	-4.0
8/30/2004	17:00:39	50.00	36.407	22.27	-2.2	-0.11	84	54.89	28.467	7.68	-70.4	-4.1
8/30/2004	17:30:39	50.00	36.404	22.27	3.9	0.19	69	55.04	28.568	7.75	-65.8	-4.0
8/30/2004	18:00:39	50.00	36.403	22.26	4.1	0.20	63	55.15	28.617	7.75	-64.3	-3.7
8/30/2004	18:30:39	50.00	36.403	22.26	3.1	0.15	69	55.23	28.699	7.74	-65.4	-4.0
8/30/2004	19:00:39	50.00	36.402	22.26	2.7	0.13	71	55.27	28.741	7.74	-65.1	-4.1
8/30/2004	19:30:39	50.00	36.403	22.26	2.5	0.12	73	55.31	28.754	7.73	-64.2	-4.1
8/30/2004	20:00:39	50.00	36.403	22.26	1.8	0.09	73	55.33	28.771	7.72	-66.2	-4.0
8/30/2004	20:30:39	50.00	36.402	22.26	2.6	0.13	73	55.31	28.763	7.73	-100.7	-4.0
8/30/2004	21:00:39	50.00	36.403	22.26	2.4	0.12	71	55.30	28.744	7.73	-102.6	-3.8
8/30/2004	21:30:39	50.00	36.403	22.26	3.9	0.19	74	55.30	28.775	7.75	-161.4	-4.1
8/30/2004	22:00:39	50.00	36.403	22.27	3.8	0.19	79	55.29	28.738	7.76	-169.3	-4.0
8/30/2004	22:30:39	50.00	36.405	22.27	7.1	0.35	88	55.30	28.747	7.81	-231.4	-3.6
8/30/2004	23:00:39	50.00	36.405	22.27	7.0	0.34	94	55.29	28.755	7.81	-214.8	-4.1
8/30/2004	23:30:39	50.00	36.405	22.27	6.4	0.32	96	55.29	28.729	7.81	-217.9	-4.1
8/30/2004	0:00:39	50.00	36.405	22.27	9.3	0.46	99	55.25	28.737	7.84	-270.4	-3.8
8/30/2004	0:30:39	50.00	36.405	22.27	8.6	0.43	99	55.17	28.655	7.84	-269.9	-4.0
8/30/2004	1:00:39	50.00	36.406	22.27	7.4	0.36	99	55.07	28.598	7.83	-222.8	-4.1
8/30/2004	1:30:39	50.00	36.406	22.27	6.8	0.33	99	54.96	28.521	7.79	-172.1	-4.0
8/31/2004	2:00:39	50.00	36.406	22.27	5.5	0.27	99	54.86	28.476	7.74	-120.9	-3.9
8/31/2004	2:30:39	50.00	36.406	22.27	3.5	0.17	94	54.78	28.414	7.73	-90.7	-4.0
8/31/2004	3:00:39	50.00	36.406	22.27	3.7	0.18	92	54.71	28.371	7.72	-82.9	-4.0
8/31/2004	3:30:39	50.00	36.406	22.27	2.2	0.11	88	54.69	28.344	7.71	-77.5	-4.0
8/31/2004	4:00:39	50.00	36.406	22.27	2.8	0.14	88	54.70	28.343	7.71	-74.7	-4.1
8/31/2004	4:30:39	50.00	36.406	22.27	2.0	0.10	84	54.76	28.382	7.70	-73.5	-4.0
8/31/2004	5:00:39	50.00	36.406	22.27	0.6	0.03	84	54.85	28.462	7.69	-70.6	-3.9
8/31/2004	5:30:39	50.00	36.406	22.27	-20.3	-1.00	99	54.93	28.505	7.68	-69.2	-4.1
8/31/2004	6:00:39	50.00	36.406	22.27	-24.9	-1.23	99	55.03	28.585	7.70	-65.9	-3.4
8/31/2004	6:30:39	50.00	36.407	22.27	-21.3	-1.05	99	55.10	28.636	7.74	-66.0	-3.2
8/31/2004	7:00:39	50.00	36.407	22.27	-27.1	-1.34	99	55.16	28.691	7.72	-64.8	-4.1
8/31/2004	7:30:39	50.00	36.407	22.27	-11.0	-0.54	99	55.18	28.687	7.73	-62.4	-3.8
8/31/2004	8:00:39	50.00	36.406	22.27	-2.7	-0.13	99	55.17	28.665	7.73	-67.2	-4.0
8/31/2004	8:30:39	50.00	36.405	22.27	-1.3	-0.07	99	55.16	28.659	7.75	-109.0	-4.0
8/31/2004	9:00:39	50.00	36.405	22.27	2.6	0.13	99	55.16	28.679	7.74	-129.9	-4.2
8/31/2004	9:30:39	50.00	36.406	22.27	3.8	0.19	99	55.15	28.669	7.77	-179.0	-4.0
8/31/2004	10:00:39	50.00	36.407	22.27	7.0	0.34	99	55.15	28.667	7.84	-285.5	-4.1
8/31/2004	10:30:39	50.00	36.408	22.27	5.1	0.25	99	55.18	28.681	7.86	-322.6	-4.1
8/31/2004	11:00:39	50.00	36.409	22.27	4.7	0.23	99	55.21	28.704	7.83	-353.2	-4.1
8/31/2004	11:30:39	50.00	36.409	22.27	0.2	0.01	99	55.25	28.743	7.77	-184.7	-4.1
8/31/2004	12:00:39	50.00	36.409	22.27	1.8	0.09	99	55.27	28.754	7.82	-328.0	-4.1
8/31/2004	12:30:39	50.00	36.409	22.27	1.8	0.09	99	55.24	28.757	7.76	-169.4	-4.1
8/31/2004	13:00:39	50.00	36.407	22.27	2.8	0.14	99	55.22	28.706	7.76	-168.3	-4.0
8/31/2004	13:30:39	50.00	36.407	22.27	2.8	0.14	99	55.14	28.691	7.75	-157.6	-4.0
9/1/2004	14:00:39	50.00	36.407	22.27	1.9	0.10	99	55.08	28.633	7.72	-101.5	-3.9
9/1/2004	14:30:39	50.00	36.407	22.27	1.7	0.08	99	55.00	28.556	7.72	-84.5	-4.1
9/1/2004	15:00:39	50.00	36.407	22.27	3.6	0.18	99	54.95	28.521	7.71	-79.8	-4.0
9/1/2004	15:30:39	50.00	36.407	22.27	3.4	0.17	99	54.91	28.527	7.71	-75.7	-4.0
9/1/2004	16:00:39	50.00	36.407	22.27	1.2	0.06	99	54.90	28.500	7.69	-73.7	-4.1
9/1/2004	16:30:39	50.00	36.407	22.27	0.7	0.03	98	54.92	28.519	7.68	-71.3	-4.1
9/1/2004	17:00:39	50.00	36.407	22.27	2.3	0.11	92	54.95	28.520	7.67	-69.7	-3.9
9/1/2004	17:30:39	50.00	36.407	22.27	2.7	0.13	88	54.99	28.571	7.67	-68.1	-3.8
9/1/2004	18:00:39	50.00	36.407	22.27	6.5	0.32	83	55.03	28.623	7.72	-65.2	-3.9
9/1/2004	18:30:39	50.00	36.406	22.27	7.3	0.36	73	55.08	28.634	7.73	-64.0	-3.6
9/1/2004	19:00:39	50.00	36.406	22.27	6.5	0.32	70	55.11	28.660	7.72	-63.3	-2.8
9/1/2004	19:30:39	50.00	36.405	22.27	6.5	0.32	70	55.09	28.641	7.72	-64.1	-3.9
9/1/2004	20:00:39	50.00	36.405	22.27	7.3	0.36	62	55.08	28.613	7.74	-62.5	-3.9
9/1/2004	20:30:39	50.00	36.404	22.27	7.7	0.38	60	55.05	28.614	7.74	-80.7	-3.8
9/1/2004	21:00:39	50.00	36.404	22.27	8.2	0.40	62	55.01	28.568	7.75	-172.2	-3.6
9/1/2004	21:30:39	50.00	36.405	22.27	7.4	0.37	67	54.98	28.567	7.76	-266.0	-3.3
9/1/2004	22:00:39	50.00	36.404	22.27	8.5	0.42	76	54.98	28.577	7.76	-243.5	-3.3
9/1/2004	22:30:39	50.00	36.405	22.27	-0.8	-0.04	100	54.99	28.554	7.76	-179.8	-3.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/1/2004	23:00:39	50.00	36.405	22.27	3.7	0.18	99	55.03	28.618	7.78	-388.1	-3.4
9/1/2004	23:30:39	50.00	36.405	22.27	5.2	0.26	99	55.07	28.651	7.77	-336.2	-3.2
9/1/2004	0:00:39	50.00	36.405	22.27	6.2	0.31	99	55.11	28.679	7.77	-267.5	-3.5
9/1/2004	0:30:39	50.00	36.406	22.27	5.9	0.29	99	55.15	28.677	7.76	-212.2	-3.8
9/1/2004	1:00:39	50.00	36.406	22.27	7.2	0.35	93	55.16	28.717	7.75	-182.0	-3.9
9/1/2004	1:30:39	50.00	36.405	22.27	6.2	0.31	71	55.15	28.687	7.75	-180.8	-3.6
9/2/2004	2:00:39	50.00	36.406	22.27	9.0	0.44	49	55.12	28.652	7.74	-132.6	-3.5
9/2/2004	2:30:39	50.00	36.407	22.27	6.6	0.33	64	55.08	28.647	7.73	-92.4	-3.0
9/2/2004	3:00:39	50.00	36.406	22.27	7.9	0.39	80	55.06	28.657	7.74	-80.1	-3.0
9/2/2004	3:30:39	50.00	36.405	22.27	-0.1	0.00	99	55.04	28.640	7.73	-76.1	0.2
9/2/2004	4:00:39	50.00	36.405	22.27	3.1	0.15	99	55.01	28.576	7.74	-73.4	0.9
9/2/2004	4:30:39	50.00	36.405	22.27	2.7	0.13	91	54.99	28.586	7.73	-71.3	1.1
9/2/2004	5:00:39	50.00	36.405	22.27	2.3	0.11	86	55.00	28.574	7.72	-70.9	9.0
9/2/2004	5:30:39	50.00	36.405	22.27	2.4	0.12	76	55.02	28.620	7.70	-68.9	2.4
9/2/2004	6:00:39	50.00	36.406	22.27	3.0	0.15	69	55.05	28.641	7.71	-67.2	-2.7
9/2/2004	6:30:39	50.00	36.406	22.27	3.5	0.17	54	55.07	28.654	7.71	-66.2	9.7
9/2/2004	7:00:39	50.00	36.406	22.27	3.5	0.17	50	55.09	28.670	7.70	-66.0	6.2
9/2/2004	7:30:39	50.00	36.405	22.27	2.6	0.13	46	55.08	28.647	7.69	-64.9	6.4
9/2/2004	8:00:39	50.00	36.407	22.27	5.5	0.27	42	55.04	28.640	7.69	-69.5	3.2
9/2/2004	8:30:39	50.00	36.407	22.27	15.7	0.77	38	55.00	28.580	7.75	-83.9	-3.7
9/2/2004	9:00:39	50.00	36.407	22.27	17.0	0.84	38	54.96	28.558	7.75	-111.5	-3.8
9/2/2004	9:30:39	50.00	36.407	22.27	17.3	0.85	38	54.92	28.527	7.76	-88.0	-3.5
9/2/2004	10:00:39	50.00	36.407	22.27	16.6	0.82	38	54.90	28.545	7.75	-134.3	-3.0
9/2/2004	10:30:39	50.00	36.408	22.27	16.0	0.79	37	54.90	28.529	7.75	-100.6	-3.0
9/2/2004	11:00:39	50.00	36.408	22.27	15.4	0.76	38	54.94	28.560	7.75	-115.7	-3.0
9/2/2004	11:30:39	50.00	36.408	22.27	15.1	0.75	39	54.98	28.605	7.76	-171.5	-2.6
9/2/2004	12:00:39	50.00	36.408	22.27	14.7	0.72	42	55.05	28.643	7.78	-256.1	-1.0
9/2/2004	12:30:39	50.00	36.408	22.27	13.6	0.67	43	55.11	28.698	7.78	-331.6	0.0
9/2/2004	13:00:39	50.00	36.408	22.27	13.2	0.65	45	55.16	28.698	7.75	-164.7	-2.3
9/2/2004	13:30:39	50.00	36.407	22.27	9.4	0.46	51	55.20	28.722	7.74	-121.3	-0.8
9/3/2004	14:00:39	50.00	36.407	22.27	8.2	0.41	51	55.21	28.763	7.74	-105.6	-1.1
9/3/2004	14:30:39	50.00	36.407	22.27	10.1	0.50	47	55.20	28.763	7.73	-81.6	1.0
9/3/2004	15:00:39	50.00	36.405	22.27	10.9	0.54	45	55.20	28.750	7.74	-76.2	-2.7
9/3/2004	15:30:39	50.00	36.405	22.27	11.6	0.57	42	55.18	28.750	7.73	-72.1	1.1
9/3/2004	16:00:39	50.00	36.406	22.27	10.3	0.51	41	55.17	28.745	7.73	-70.2	2.3
9/3/2004	16:30:39	50.00	36.407	22.27	10.8	0.53	40	55.14	28.715	7.74	-68.3	5.1
9/3/2004	17:00:39	50.00	36.407	22.27	10.7	0.53	40	55.14	28.708	7.73	-66.8	0.6
9/3/2004	17:30:39	50.00	36.407	22.27	11.7	0.58	38	55.12	28.677	7.73	-65.3	4.9
9/3/2004	18:00:39	50.00	36.407	22.27	9.5	0.47	37	55.12	28.688	7.71	-64.1	6.4
9/3/2004	18:30:39	50.00	36.407	22.27	14.9	0.73	38	55.13	28.679	7.74	-61.1	6.1
9/3/2004	19:00:39	50.00	36.406	22.27	15.4	0.76	39	55.13	28.704	7.74	-61.7	14.2
9/3/2004	19:30:39	50.00	36.406	22.27	16.2	0.80	39	55.12	28.681	7.75	-60.6	17.1
9/3/2004	20:00:39	50.00	36.405	22.27	15.4	0.76	39	55.06	28.647	7.74	-64.4	12.0
9/3/2004	20:30:39	50.00	36.405	22.27	16.4	0.81	38	55.03	28.612	7.75	-129.6	11.3
9/3/2004	21:00:39	50.00	36.406	22.27	17.2	0.85	39	54.96	28.585	7.76	-211.7	8.7
9/3/2004	21:30:39	50.00	36.406	22.27	17.5	0.86	40	54.90	28.530	7.77	-220.2	9.8
9/3/2004	22:00:39	50.00	36.406	22.27	17.6	0.87	41	54.86	28.528	7.78	-300.4	1.0
9/3/2004	22:30:39	50.00	36.407	22.27	17.3	0.85	41	54.82	28.480	7.76	-260.4	0.4
9/3/2004	23:00:39	50.00	36.407	22.27	16.5	0.81	40	54.83	28.510	7.75	-205.2	-2.4
9/3/2004	23:30:39	50.00	36.407	22.27	17.0	0.84	39	54.87	28.519	7.75	-210.1	-2.2
9/3/2004	0:00:39	50.00	36.407	22.27	16.9	0.83	40	54.91	28.558	7.76	-273.5	-1.6
9/3/2004	0:30:39	50.00	36.407	22.27	15.8	0.78	40	55.00	28.625	7.75	-149.9	-3.2
9/3/2004	1:00:39	50.00	36.407	22.27	16.2	0.80	39	55.08	28.661	7.74	-116.6	-3.3
9/3/2004	1:30:39	50.00	36.407	22.27	15.1	0.75	38	55.13	28.702	7.73	-118.3	-4.0
9/4/2004	2:00:39	50.00	36.407	22.27	15.4	0.76	38	55.19	28.739	7.73	-96.3	-4.0
9/4/2004	2:30:39	50.00	36.407	22.27	15.6	0.77	38	55.26	28.789	7.74	-80.1	-3.9
9/4/2004	3:00:39	50.00	36.407	22.27	12.2	0.60	39	55.30	28.838	7.73	-74.9	-3.0
9/4/2004	3:30:39	50.00	36.407	22.27	1.8	0.09	98	55.29	28.829	7.74	-71.7	-3.9
9/4/2004	4:00:39	50.00	36.407	22.27	6.7	0.33	66	55.31	28.825	7.75	-69.7	-3.6
9/4/2004	4:30:39	50.00	36.407	22.27	9.6	0.47	50	55.29	28.829	7.75	-68.1	-3.5
9/4/2004	5:00:39	50.00	36.407	22.27	11.6	0.57	46	55.26	28.802	7.75	-66.0	-3.3
9/4/2004	5:30:39	50.00	36.407	22.27	14.8	0.73	40	55.26	28.802	7.75	-64.8	-3.4
9/4/2004	6:00:39	50.00	36.407	22.27	15.4	0.76	39	55.22	28.765	7.75	-63.7	-3.6
9/4/2004	6:30:39	50.00	36.407	22.27	15.8	0.78	40	55.21	28.755	7.75	-62.7	-4.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/4/2004	7:00:39	50.00	36.407	22.27	16.0	0.79	39	55.19	28.743	7.75	-62.3	-3.4
9/4/2004	7:30:39	50.00	36.406	22.27	15.3	0.75	39	55.15	28.726	7.74	-61.7	-4.1
9/4/2004	8:00:39	50.00	36.406	22.27	15.9	0.78	39	55.09	28.697	7.74	-65.0	-3.5
9/4/2004	8:30:39	50.00	36.407	22.27	16.1	0.79	40	55.04	28.638	7.75	-127.3	-3.6
9/4/2004	9:00:39	50.00	36.407	22.27	17.3	0.85	41	54.95	28.573	7.76	-213.2	-4.0
9/4/2004	9:30:39	50.00	36.407	22.27	16.8	0.83	41	54.88	28.555	7.76	-273.0	-2.4
9/4/2004	10:00:39	50.00	36.407	22.27	17.8	0.88	43	54.80	28.472	7.78	-327.2	-3.1
9/4/2004	10:30:39	50.00	36.407	22.27	17.7	0.87	45	54.74	28.465	7.77	-367.5	-3.2
9/4/2004	11:00:39	50.00	36.407	22.27	17.0	0.84	47	54.71	28.405	7.78	-393.3	-3.9
9/4/2004	11:30:39	50.00	36.407	22.27	15.1	0.75	48	54.74	28.436	7.77	-401.8	-4.1
9/4/2004	12:00:39	50.00	36.407	22.27	14.6	0.72	50	54.76	28.447	7.78	-370.8	-3.2
9/4/2004	12:30:39	50.00	36.408	22.27	14.0	0.69	50	54.84	28.513	7.76	-332.0	-3.1
9/4/2004	13:00:39	50.00	36.407	22.27	13.8	0.68	49	54.93	28.585	7.76	-259.3	-2.5
9/4/2004	13:30:39	50.00	36.407	22.27	13.5	0.66	49	55.02	28.629	7.76	-185.2	-2.3
9/5/2004	14:00:39	50.00	36.407	22.27	12.7	0.62	46	55.10	28.687	7.75	-125.3	-1.0
9/5/2004	14:30:39	50.00	36.407	22.27	12.2	0.60	45	55.18	28.776	7.74	-92.8	-1.8
9/5/2004	15:00:39	50.00	36.408	22.27	12.9	0.63	43	55.26	28.823	7.75	-83.1	-2.7
9/5/2004	15:30:39	50.00	36.407	22.27	13.1	0.64	43	55.29	28.866	7.75	-77.9	-2.4
9/5/2004	16:00:39	50.00	36.407	22.27	13.7	0.68	43	55.33	28.855	7.75	-74.1	-3.9
9/5/2004	16:30:39	50.00	36.407	22.27	14.0	0.69	43	55.33	28.885	7.74	-71.4	-3.6
9/5/2004	17:00:39	50.00	36.407	22.27	14.2	0.70	42	55.31	28.871	7.75	-70.0	-3.6
9/5/2004	17:30:39	50.00	36.407	22.27	14.3	0.70	42	55.29	28.854	7.75	-69.2	-2.7
9/5/2004	18:00:39	50.00	36.407	22.27	14.7	0.73	42	55.27	28.857	7.75	-67.0	-4.2
9/5/2004	18:30:39	50.00	36.407	22.27	14.9	0.73	41	55.24	28.806	7.75	-66.0	-4.2
9/5/2004	19:00:39	50.00	36.407	22.27	14.8	0.73	42	55.21	28.785	7.74	-64.5	-4.3
9/5/2004	19:30:39	50.00	36.407	22.27	14.8	0.73	40	55.17	28.748	7.74	-63.2	-4.1
9/5/2004	20:00:39	50.00	36.406	22.27	14.1	0.70	39	55.14	28.739	7.73	-66.4	-4.3
9/5/2004	20:30:39	50.00	36.407	22.27	15.6	0.77	40	55.06	28.674	7.74	-130.9	-4.3
9/5/2004	21:00:39	50.00	36.407	22.27	17.7	0.87	41	54.97	28.597	7.75	-215.2	-4.3
9/5/2004	21:30:39	50.00	36.407	22.27	19.5	0.96	42	54.89	28.586	7.76	-284.1	-4.2
9/5/2004	22:00:39	50.00	36.407	22.27	20.7	1.02	43	54.81	28.515	7.77	-335.4	-4.3
9/5/2004	22:30:39	50.00	36.407	22.27	19.7	0.97	42	54.73	28.462	7.75	-179.4	-4.2
9/5/2004	23:00:39	50.00	36.407	22.27	20.5	1.01	42	54.68	28.434	7.76	-393.1	-4.2
9/5/2004	23:30:39	50.00	36.408	22.27	20.0	0.98	42	54.65	28.419	7.77	-419.8	-4.1
9/5/2004	0:00:39	50.00	36.408	22.27	19.7	0.97	41	54.65	28.390	7.77	-375.5	-4.3
9/5/2004	0:30:39	50.00	36.409	22.27	20.4	1.00	41	54.70	28.409	7.77	-337.5	-4.3
9/5/2004	1:00:39	50.00	36.409	22.27	19.1	0.94	40	54.76	28.503	7.76	-254.7	-4.3
9/5/2004	1:30:39	50.00	36.408	22.27	18.5	0.91	39	54.83	28.549	7.75	-185.8	-4.3
9/6/2004	2:00:39	50.00	36.408	22.27	17.4	0.86	39	54.95	28.616	7.74	-128.1	-4.2
9/6/2004	2:30:39	50.00	36.408	22.27	17.0	0.84	38	55.04	28.664	7.74	-91.9	-4.3
9/6/2004	3:00:39	50.00	36.408	22.27	16.7	0.82	38	55.12	28.710	7.74	-83.4	-4.3
9/6/2004	3:30:39	50.00	36.407	22.27	16.8	0.83	38	55.17	28.784	7.74	-78.6	-4.2
9/6/2004	4:00:39	50.00	36.408	22.27	16.3	0.80	38	55.20	28.817	7.74	-75.3	-4.2
9/6/2004	4:30:39	50.00	36.407	22.27	16.6	0.82	38	55.25	28.826	7.74	-72.0	-4.3
9/6/2004	5:00:39	50.00	36.408	22.27	16.2	0.80	37	55.27	28.842	7.74	-70.2	-4.3
9/6/2004	5:30:39	50.00	36.407	22.27	16.4	0.81	38	55.25	28.821	7.74	-68.6	-4.3
9/6/2004	6:00:39	50.00	36.408	22.27	16.6	0.82	38	55.24	28.812	7.74	-66.9	-4.0
9/6/2004	6:30:39	50.00	36.407	22.27	15.8	0.78	37	55.22	28.803	7.74	-66.5	-4.3
9/6/2004	7:00:39	50.00	36.408	22.27	14.7	0.72	37	55.20	28.809	7.72	-64.6	-4.0
9/6/2004	7:30:39	50.00	36.407	22.27	13.8	0.68	37	55.17	28.791	7.71	-64.3	-4.3
9/6/2004	8:00:39	50.00	36.408	22.27	14.2	0.70	37	55.10	28.715	7.72	-66.8	-4.3
9/6/2004	8:30:39	50.00	36.407	22.27	15.6	0.77	37	55.07	28.688	7.73	-124.0	-4.3
9/6/2004	9:00:39	50.00	36.407	22.27	17.6	0.87	39	55.02	28.694	7.73	-208.2	-4.3
9/6/2004	9:30:39	50.00	36.407	22.27	18.8	0.92	39	54.95	28.630	7.75	-218.1	-4.3
9/6/2004	10:00:39	50.00	36.408	22.27	21.3	1.05	41	54.87	28.579	7.77	-324.3	-4.4
9/6/2004	10:30:39	50.00	36.408	22.27	21.4	1.05	41	54.79	28.531	7.77	-372.8	-3.8
9/6/2004	11:00:39	50.00	36.409	22.27	21.7	1.07	41	54.75	28.471	7.77	-395.2	-4.3
9/6/2004	11:30:39	50.00	36.409	22.27	22.0	1.08	41	54.68	28.412	7.77	-404.4	-4.2
9/6/2004	12:00:39	50.00	36.409	22.27	21.3	1.05	41	54.66	28.399	7.77	-373.2	-4.1
9/6/2004	12:30:39	50.00	36.409	22.27	20.3	1.00	40	54.68	28.439	7.76	-329.3	-4.3
9/6/2004	13:00:39	50.00	36.409	22.27	19.8	0.98	40	54.68	28.429	7.76	-262.0	-4.3
9/6/2004	13:30:39	50.00	36.409	22.27	18.4	0.91	39	54.79	28.534	7.75	-189.9	-3.3
9/7/2004	14:00:39	50.00	36.408	22.27	17.5	0.86	38	54.94	28.614	7.74	-129.0	-4.3
9/7/2004	14:30:39	50.00	36.408	22.27	17.2	0.85	38	54.99	28.653	7.74	-93.1	-4.2

Appendix 5
Water Quality Data

West Flower Garden Bank July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/7/2004	15:00:39	50.00	36.408	22.27	16.9	0.83	38	55.06	28.692	7.74	-83.8	-4.3
9/7/2004	15:30:39	50.00	36.408	22.27	16.2	0.80	38	55.14	28.772	7.74	-78.3	-4.3
9/7/2004	16:00:39	50.00	36.408	22.27	16.8	0.83	38	55.23	28.836	7.74	-75.1	-2.7
9/7/2004	16:30:39	50.00	36.408	22.27	16.3	0.80	38	55.27	28.860	7.74	-72.5	-3.8
9/7/2004	17:00:39	50.00	36.408	22.27	16.4	0.81	38	55.35	28.906	7.74	-70.9	-4.0
9/7/2004	17:30:39	50.00	36.408	22.27	16.2	0.80	38	55.28	28.842	7.74	-69.0	-3.3
9/7/2004	18:00:39	50.00	36.408	22.27	15.5	0.76	38	55.35	28.940	7.74	-67.7	-4.3
9/7/2004	18:30:39	50.00	36.408	22.27	16.6	0.82	38	55.28	28.841	7.75	-66.5	-3.6
9/7/2004	19:00:39	50.00	36.407	22.27	16.1	0.79	38	55.27	28.869	7.74	-65.5	-3.9
9/7/2004	19:30:39	50.00	36.407	22.27	16.1	0.80	38	55.24	28.820	7.74	-65.7	-4.4
9/7/2004	20:00:39	50.00	36.407	22.27	15.0	0.74	38	55.23	28.853	7.73	-66.8	-4.4
9/7/2004	20:30:39	50.00	36.407	22.27	15.2	0.75	38	55.10	28.758	7.73	-118.4	-4.3
9/7/2004	21:00:39	50.00	36.408	22.27	15.4	0.76	39	55.03	28.686	7.73	-171.4	-4.4
9/7/2004	21:30:39	50.00	36.408	22.27	17.1	0.84	42	54.94	28.600	7.76	-263.4	-4.3
9/7/2004	22:00:39	50.00	36.408	22.27	15.1	0.74	43	54.85	28.552	7.76	-233.8	-4.4
9/7/2004	22:30:39	50.00	36.408	22.27	18.1	0.89	46	54.71	28.438	7.77	-359.1	-4.4
9/7/2004	23:00:39	50.00	36.408	22.27	16.6	0.82	44	54.72	28.460	7.75	-170.5	-4.3
9/7/2004	23:30:39	50.00	36.407	22.27	16.7	0.83	44	54.60	28.367	7.75	-140.8	-4.3
9/7/2004	0:00:39	50.00	36.408	22.27	16.6	0.82	43	54.51	28.343	7.75	-190.1	-4.4
9/7/2004	0:30:39	50.00	36.407	22.27	18.5	0.91	44	54.48	28.287	7.76	-319.2	-4.4
9/7/2004	1:00:39	50.00	36.408	22.27	17.6	0.87	43	54.52	28.316	7.75	-175.0	-4.4
9/7/2004	1:30:39	50.00	36.408	22.27	17.2	0.85	41	54.60	28.409	7.74	-166.4	-4.4
9/8/2004	2:00:39	50.00	36.408	22.27	16.6	0.82	40	54.68	28.462	7.74	-108.1	-4.4
9/8/2004	2:30:39	50.00	36.408	22.27	15.9	0.78	38	54.79	28.539	7.73	-86.4	-4.3
9/8/2004	3:00:39	50.00	36.408	22.27	17.3	0.85	38	54.92	28.594	7.75	-79.7	-4.4
9/8/2004	3:30:39	50.00	36.407	22.27	17.2	0.85	38	55.05	28.687	7.75	-75.9	-4.3
9/8/2004	4:00:39	50.00	36.408	22.27	1.7	0.08	99	55.15	28.798	7.74	-72.7	-4.4
9/8/2004	4:30:39	50.00	36.407	22.27	8.7	0.43	63	55.25	28.856	7.75	-70.9	-4.3
9/8/2004	5:00:39	50.00	36.407	22.27	11.3	0.55	50	55.27	28.858	7.74	-68.7	-4.4
9/8/2004	5:30:39	50.00	36.407	22.27	11.7	0.57	47	55.33	28.934	7.74	-67.5	-4.3
9/8/2004	6:00:39	50.00	36.407	22.27	12.9	0.64	47	55.32	28.926	7.74	-66.8	-4.3
9/8/2004	6:30:39	50.00	36.407	22.27	13.9	0.69	44	55.31	28.907	7.74	-65.0	-4.4
9/8/2004	7:00:39	50.00	36.406	22.27	15.3	0.75	43	55.28	28.851	7.75	-63.7	-4.3
9/8/2004	7:30:39	50.00	36.406	22.27	15.6	0.77	41	55.26	28.847	7.75	-62.8	-4.3
9/8/2004	8:00:39	50.00	36.405	22.27	18.3	0.90	39	55.21	28.803	7.75	-63.0	-4.3
9/8/2004	8:30:39	50.00	36.405	22.27	18.6	0.92	38	55.16	28.780	7.75	-77.8	-4.2
9/8/2004	9:00:39	50.00	36.405	22.27	19.4	0.96	39	55.11	28.776	7.75	-125.5	-4.4
9/8/2004	9:30:39	50.00	36.405	22.27	20.9	1.03	39	55.04	28.705	7.76	-195.4	-4.3
9/8/2004	10:00:39	50.00	36.405	22.27	21.3	1.05	39	54.94	28.633	7.76	-199.9	-4.4
9/8/2004	10:30:39	50.00	36.405	22.27	21.5	1.06	40	54.85	28.593	7.76	-219.0	-4.3
9/8/2004	11:00:39	50.00	36.405	22.27	21.9	1.08	39	54.77	28.522	7.77	-297.2	-4.4
9/8/2004	11:30:39	50.00	36.407	22.27	21.3	1.05	39	54.67	28.425	7.76	-210.8	-4.3
9/8/2004	12:00:39	50.00	36.407	22.27	21.0	1.04	39	54.58	28.401	7.76	-258.6	-4.4
9/8/2004	12:30:39	50.00	36.407	22.27	20.6	1.02	39	54.53	28.339	7.76	-198.1	-4.3
9/8/2004	13:00:39	50.00	36.407	22.27	19.4	0.95	38	54.51	28.334	7.75	-128.9	-4.3
9/8/2004	13:30:39	50.00	36.407	22.27	18.6	0.91	39	54.52	28.340	7.75	-104.1	-4.4
9/9/2004	14:00:39	50.00	36.407	22.27	18.1	0.89	38	54.60	28.409	7.75	-100.5	-4.4
9/9/2004	14:30:39	50.00	36.407	22.27	18.0	0.89	38	54.68	28.437	7.75	-79.3	-4.3
9/9/2004	15:00:39	50.00	36.407	22.27	18.2	0.90	38	54.80	28.518	7.75	-73.6	-4.3
9/9/2004	15:30:39	50.00	36.407	22.27	18.0	0.89	39	54.93	28.632	7.75	-70.9	-4.3
9/9/2004	16:00:39	50.00	36.407	22.27	17.9	0.88	38	55.07	28.733	7.75	-69.3	-4.4
9/9/2004	16:30:39	50.00	36.407	22.27	17.3	0.85	38	55.16	28.817	7.74	-67.8	-4.4
9/9/2004	17:00:39	50.00	36.407	22.27	17.3	0.85	39	55.25	28.849	7.75	-66.0	-4.4
9/9/2004	17:30:39	50.00	36.407	22.27	17.5	0.86	38	55.30	28.898	7.75	-64.5	-4.3
9/9/2004	18:00:39	50.00	36.407	22.27	17.4	0.86	38	55.34	28.951	7.74	-64.1	-4.3
9/9/2004	18:30:39	50.00	36.407	22.27	17.3	0.85	39	55.35	28.956	7.74	-63.1	-4.3
9/9/2004	19:00:39	50.00	36.407	22.27	17.7	0.87	39	55.33	28.923	7.74	-62.6	-4.4
9/9/2004	19:30:39	50.00	36.407	22.27	17.5	0.86	38	55.32	28.933	7.74	-62.2	-4.4
9/9/2004	20:00:39	50.00	36.407	22.27	17.8	0.88	38	55.32	28.919	7.75	-62.9	-4.3
9/9/2004	20:30:39	50.00	36.407	22.27	18.6	0.91	39	55.30	28.894	7.75	-99.4	-4.4
9/9/2004	21:00:39	50.00	36.407	22.27	20.0	0.99	39	55.25	28.853	7.75	-154.7	-4.4
9/9/2004	21:30:39	50.00	36.407	22.27	20.6	1.01	40	55.22	28.858	7.76	-214.0	-4.3
9/9/2004	22:00:39	50.00	36.407	22.27	21.0	1.04	40	55.15	28.809	7.76	-259.0	-4.3
9/9/2004	22:30:39	50.00	36.407	22.27	21.8	1.07	40	55.07	28.761	7.76	-292.4	-4.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/9/2004	23:00:39	50.00	36.407	22.27	21.7	1.07	40	54.98	28.689	7.76	-309.2	-4.3
9/9/2004	23:30:39	50.00	36.408	22.27	22.0	1.08	40	54.87	28.576	7.76	-337.7	-4.2
9/9/2004	0:00:39	50.00	36.408	22.27	21.1	1.04	40	54.77	28.509	7.76	-211.4	-4.3
9/9/2004	0:30:39	50.00	36.408	22.27	21.1	1.04	40	54.69	28.468	7.76	-232.6	-4.3
9/9/2004	1:00:39	50.00	36.408	22.27	20.6	1.01	39	54.63	28.455	7.76	-210.7	-4.4
9/9/2004	1:30:39	50.00	36.408	22.27	20.1	0.99	39	54.63	28.437	7.75	-157.2	-4.3
9/10/2004	2:00:39	50.00	36.408	22.27	18.8	0.93	39	54.67	28.469	7.74	-108.1	-4.3
9/10/2004	2:30:39	50.00	36.408	22.27	17.7	0.87	37	54.72	28.504	7.74	-84.6	-4.4
9/10/2004	3:00:39	50.00	36.407	22.27	17.7	0.87	38	54.82	28.561	7.74	-76.9	-4.4
9/10/2004	3:30:39	50.00	36.407	22.27	17.7	0.87	37	54.94	28.650	7.74	-73.6	-4.4
9/10/2004	4:00:39	50.00	36.407	22.27	17.7	0.87	38	55.05	28.714	7.74	-71.5	-4.3
9/10/2004	4:30:39	50.00	36.408	22.27	17.9	0.88	38	55.17	28.815	7.74	-68.9	-4.4
9/10/2004	5:00:39	50.00	36.408	22.27	18.2	0.90	38	55.25	28.889	7.74	-66.8	-4.4
9/10/2004	5:30:39	50.00	36.408	22.27	18.2	0.90	38	55.30	28.893	7.74	-65.8	-4.3
9/10/2004	6:00:39	50.00	36.408	22.27	17.7	0.87	38	55.33	28.908	7.74	-65.1	-4.3
9/10/2004	6:30:39	50.00	36.408	22.27	17.5	0.86	38	55.35	28.966	7.74	-64.5	-4.4
9/10/2004	7:00:39	50.00	36.408	22.27	17.9	0.88	37	55.32	28.948	7.74	-63.5	-4.5
9/10/2004	7:30:39	50.00	36.408	22.27	17.9	0.88	37	55.32	28.937	7.74	-62.6	-4.3
9/10/2004	8:00:39	50.00	36.409	22.27	18.0	0.88	38	55.27	28.908	7.74	-64.9	-4.4
9/10/2004	8:30:39	50.00	36.409	22.27	19.4	0.95	38	55.24	28.856	7.75	-109.4	-4.4
9/10/2004	9:00:39	50.00	36.409	22.27	20.6	1.01	39	55.21	28.863	7.75	-176.2	-4.4
9/10/2004	9:30:39	50.00	36.409	22.27	22.1	1.09	40	55.17	28.846	7.76	-236.2	-4.4
9/10/2004	10:00:39	50.00	36.409	22.27	22.2	1.10	40	55.09	28.780	7.77	-280.8	-4.4
9/10/2004	10:30:39	50.00	36.409	22.27	23.1	1.14	40	55.04	28.731	7.77	-315.7	-4.4
9/10/2004	11:00:39	50.00	36.409	22.27	22.0	1.09	40	54.95	28.674	7.75	-217.1	-4.3
9/10/2004	11:30:39	50.00	36.410	22.27	23.6	1.16	41	54.86	28.597	7.77	-338.7	-4.3
9/10/2004	12:00:39	50.00	36.409	22.27	23.1	1.14	41	54.74	28.537	7.77	-318.9	-4.4
9/10/2004	12:30:39	50.00	36.409	22.27	22.6	1.11	40	54.65	28.438	7.77	-275.8	-4.3
9/10/2004	13:00:39	50.00	36.409	22.27	21.6	1.06	40	54.58	28.407	7.77	-223.6	-4.3
9/10/2004	13:30:39	50.00	36.409	22.27	19.5	0.96	39	54.56	28.407	7.75	-160.9	-4.3
9/11/2004	14:00:39	50.00	36.409	22.27	18.8	0.93	39	54.56	28.387	7.74	-111.0	-4.3
9/11/2004	14:30:39	50.00	36.409	22.27	18.0	0.89	38	54.58	28.417	7.74	-86.2	-4.3
9/11/2004	15:00:39	50.00	36.409	22.27	17.5	0.86	38	54.65	28.468	7.73	-78.6	-4.4
9/11/2004	15:30:39	50.00	36.408	22.27	17.2	0.85	38	54.78	28.559	7.73	-75.0	-4.3
9/11/2004	16:00:39	50.00	36.408	22.27	16.6	0.82	38	54.91	28.642	7.71	-72.3	-4.4
9/11/2004	16:30:39	50.00	36.408	22.27	15.5	0.76	37	55.05	28.762	7.72	-69.8	-4.4
9/11/2004	17:00:39	50.00	36.408	22.27	14.6	0.72	37	55.16	28.818	7.71	-68.3	-4.4
9/11/2004	17:30:39	50.00	36.409	22.27	14.4	0.71	36	55.23	28.851	7.71	-66.5	-4.4
9/11/2004	18:00:39	50.00	36.409	22.27	13.3	0.66	36	55.31	28.914	7.70	-65.5	-4.4
9/11/2004	18:30:39	50.00	36.408	22.27	4.3	0.21	73	55.35	28.943	7.71	-63.8	-4.3
9/11/2004	19:00:39	50.00	36.407	22.27	3.3	0.16	74	55.36	28.991	7.70	-63.7	-4.3
9/11/2004	19:30:39	50.00	36.408	22.27	4.0	0.19	65	55.35	28.977	7.70	-63.0	-4.4
9/11/2004	20:00:39	50.00	36.408	22.27	3.8	0.19	59	55.36	28.959	7.69	-63.9	-4.4
9/11/2004	20:30:39	50.00	36.407	22.27	8.5	0.42	55	55.34	28.975	7.71	-105.5	-4.4
9/11/2004	21:00:39	50.00	36.408	22.27	8.4	0.42	54	55.32	28.933	7.71	-178.6	-4.4
9/11/2004	21:30:39	50.00	36.408	22.27	14.5	0.72	57	55.30	28.933	7.76	-230.5	-4.4
9/11/2004	22:00:39	50.00	36.408	22.27	13.3	0.66	55	55.29	28.897	7.75	-276.7	-4.4
9/11/2004	22:30:39	50.00	36.408	22.27	18.0	0.89	54	55.22	28.872	7.77	-305.7	-4.4
9/11/2004	23:00:39	50.00	36.408	22.27	16.2	0.80	48	55.17	28.831	7.75	-194.1	-4.4
9/11/2004	23:30:39	50.00	36.408	22.27	17.7	0.87	44	55.07	28.747	7.75	-187.1	-3.8
9/11/2004	0:00:39	50.00	36.408	22.27	19.1	0.94	43	54.97	28.688	7.76	-295.8	-4.3
9/11/2004	0:30:39	50.00	36.409	22.27	20.3	1.00	41	54.86	28.596	7.76	-249.4	-4.4
9/11/2004	1:00:39	50.00	36.408	22.27	20.0	0.99	40	54.77	28.544	7.75	-199.7	-4.4
9/11/2004	1:30:39	50.00	36.408	22.27	19.6	0.97	40	54.68	28.490	7.75	-150.9	-3.6
9/12/2004	2:00:39	50.00	36.408	22.27	17.4	0.86	39	54.66	28.478	7.73	-107.8	-4.4
9/12/2004	2:30:39	50.00	36.408	22.27	16.3	0.81	38	54.68	28.494	7.72	-83.8	-4.4
9/12/2004	3:00:39	50.00	36.408	22.27	16.1	0.79	38	54.75	28.574	7.72	-76.7	-4.4
9/12/2004	3:30:39	50.00	36.408	22.27	16.2	0.80	38	54.75	28.579	7.72	-72.7	-4.3
9/12/2004	4:00:39	50.00	36.408	22.27	15.9	0.78	38	54.90	28.668	7.71	-70.0	-4.4
9/12/2004	4:30:39	50.00	36.407	22.27	15.1	0.74	38	55.02	28.749	7.71	-67.9	-4.3
9/12/2004	5:00:39	50.00	36.407	22.27	16.4	0.81	38	55.19	28.870	7.72	-65.9	-4.4
9/12/2004	5:30:39	50.00	36.407	22.27	18.2	0.89	39	55.21	28.902	7.73	-65.2	-4.4
9/12/2004	6:00:39	50.00	36.407	22.27	17.8	0.88	39	55.26	28.923	7.73	-63.2	-4.3
9/12/2004	6:30:39	50.00	36.407	22.27	17.7	0.87	38	55.39	29.011	7.73	-62.3	-4.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/12/2004	7:00:39	50.00	36.407	22.27	17.7	0.87	39	55.40	29.003	7.73	-61.5	-4.4
9/12/2004	7:30:39	50.00	36.407	22.27	17.3	0.85	38	55.36	28.976	7.73	-61.0	-4.4
9/12/2004	8:00:39	50.00	36.407	22.27	16.6	0.82	38	55.39	29.023	7.72	-62.7	-4.4
9/12/2004	8:30:39	50.00	36.407	22.27	18.4	0.90	39	55.33	28.979	7.73	-121.8	-4.3
9/12/2004	9:00:39	50.00	36.407	22.27	20.8	1.02	40	55.39	29.019	7.75	-190.1	-4.4
9/12/2004	9:30:39	50.00	36.407	22.27	20.0	0.99	40	55.34	28.988	7.75	-182.0	-4.4
9/12/2004	10:00:39	50.00	36.408	22.27	21.0	1.04	40	55.44	29.063	7.75	-233.6	-4.4
9/12/2004	10:30:39	50.00	36.408	22.27	22.3	1.10	41	55.36	28.999	7.76	-197.8	-4.4
9/12/2004	11:00:39	50.00	36.407	22.27	20.1	0.99	40	55.31	28.968	7.75	-211.0	-4.4
9/12/2004	11:30:39	50.00	36.408	22.27	21.1	1.04	40	55.24	28.914	7.75	-235.5	-4.4
9/12/2004	12:00:39	50.00	36.408	22.27	21.6	1.07	41	55.09	28.817	7.76	-335.2	-4.4
9/12/2004	12:30:39	50.00	36.408	22.27	20.4	1.01	40	55.04	28.781	7.75	-207.2	-4.3
9/12/2004	13:00:39	50.00	36.407	22.27	20.2	0.99	40	54.91	28.685	7.75	-163.6	-4.4
9/12/2004	13:30:39	50.00	36.407	22.27	19.2	0.95	39	54.77	28.592	7.74	-169.6	-4.4
9/13/2004	14:00:39	50.00	36.407	22.27	18.2	0.90	39	54.72	28.551	7.74	-109.8	-4.3
9/13/2004	14:30:39	50.00	36.407	22.27	17.7	0.87	39	54.76	28.576	7.74	-83.4	-4.4
9/13/2004	15:00:39	50.00	36.407	22.27	17.9	0.88	39	54.74	28.565	7.73	-76.7	-4.4
9/13/2004	15:30:39	50.00	36.407	22.27	17.6	0.87	39	54.74	28.556	7.74	-73.1	-4.4
9/13/2004	16:00:39	50.00	36.407	22.27	17.1	0.84	39	54.88	28.663	7.73	-70.3	-4.4
9/13/2004	16:30:39	50.00	36.407	22.27	17.6	0.87	38	54.94	28.711	7.73	-68.2	-4.4
9/13/2004	17:00:39	50.00	36.407	22.27	17.6	0.87	39	54.97	28.727	7.73	-66.7	-4.4
9/13/2004	17:30:39	50.00	36.407	22.27	17.7	0.87	39	55.09	28.816	7.73	-65.0	-4.4
9/13/2004	18:00:39	50.00	36.407	22.27	17.9	0.88	39	55.10	28.837	7.73	-63.5	-4.4
9/13/2004	18:30:39	50.00	36.406	22.27	17.3	0.85	39	55.17	28.878	7.72	-62.7	-4.4
9/13/2004	19:00:39	50.00	36.406	22.27	16.9	0.83	39	55.23	28.917	7.72	-62.5	-4.3
9/13/2004	19:30:39	50.00	36.407	22.27	17.5	0.86	39	55.18	28.866	7.73	-61.6	-4.4
9/13/2004	20:00:39	50.00	36.407	22.27	16.6	0.82	38	55.18	28.879	7.72	-61.7	-4.4
9/13/2004	20:30:39	50.00	36.407	22.27	17.8	0.88	38	55.23	28.914	7.73	-126.0	-4.4
9/13/2004	21:00:39	50.00	36.407	22.27	18.9	0.93	39	55.10	28.828	7.73	-146.3	-4.4
9/13/2004	21:30:39	50.00	36.407	22.27	22.0	1.08	41	55.19	28.892	7.75	-226.9	-4.3
9/13/2004	22:00:39	50.00	36.407	22.27	22.4	1.10	41	55.17	28.875	7.76	-283.7	-4.3
9/13/2004	22:30:39	50.00	36.407	22.27	23.3	1.15	41	55.22	28.918	7.76	-320.1	-4.4
9/13/2004	23:00:39	50.00	36.407	22.27	22.9	1.13	42	55.29	28.963	7.75	-346.7	-4.3
9/13/2004	23:30:39	50.00	36.407	22.27	21.8	1.08	41	55.20	28.900	7.75	-264.0	-4.2
9/13/2004	0:00:39	50.00	36.407	22.27	22.1	1.09	41	55.14	28.870	7.75	-324.8	-4.3
9/13/2004	0:30:39	50.00	36.407	22.27	21.2	1.04	40	54.90	28.673	7.74	-165.6	-4.2
9/13/2004	1:00:39	50.00	36.407	22.27	20.4	1.01	39	54.91	28.697	7.74	-134.1	-4.3
9/13/2004	1:30:39	50.00	36.407	22.27	19.7	0.97	40	54.89	28.694	7.73	-123.7	-4.0
9/14/2004	2:00:39	50.00	36.407	22.27	19.0	0.94	39	54.78	28.598	7.73	-100.5	-4.1
9/14/2004	2:30:39	50.00	36.407	22.27	18.2	0.89	39	54.74	28.573	7.72	-80.5	-4.3
9/14/2004	3:00:39	50.00	36.407	22.27	17.4	0.86	38	55.08	28.815	7.72	-74.4	-4.2
9/14/2004	3:30:39	50.00	36.407	22.27	16.8	0.83	38	54.96	28.730	7.72	-72.1	-4.3
9/14/2004	4:00:39	50.00	36.407	22.27	16.5	0.81	38	55.01	28.770	7.72	-69.4	-4.4
9/14/2004	4:30:39	50.00	36.407	22.27	16.3	0.80	38	54.89	28.686	7.72	-67.9	-4.3
9/14/2004	5:00:39	50.00	36.407	22.27	16.1	0.80	38	55.29	28.969	7.71	-66.0	-2.7
9/14/2004	5:30:39	50.00	36.407	22.27	16.1	0.79	38	55.15	28.884	7.72	-65.4	-4.0
9/14/2004	6:00:39	50.00	36.407	22.27	16.7	0.82	38	55.28	28.960	7.72	-63.9	-4.2
9/14/2004	6:30:39	50.00	36.407	22.27	17.4	0.86	38	55.38	29.018	7.72	-62.1	-4.3
9/14/2004	7:00:39	50.00	36.406	22.27	17.8	0.88	38	55.07	28.813	7.72	-62.2	-4.3
9/14/2004	7:30:39	50.00	36.406	22.27	18.1	0.89	39	55.16	28.870	7.72	-61.8	-4.1
9/14/2004	8:00:39	50.00	36.407	22.27	18.0	0.89	39	54.45	28.370	7.72	-62.1	-3.5
9/14/2004	8:30:39	50.00	36.407	22.27	18.7	0.92	39	55.58	29.175	7.73	-97.0	-4.3
9/14/2004	9:00:39	50.00	36.407	22.27	20.8	1.03	41	55.13	28.858	7.74	-158.7	-4.4
9/14/2004	9:30:39	50.00	36.407	22.27	21.9	1.08	41	55.20	28.906	7.74	-212.9	-4.4
9/14/2004	10:00:39	50.00	36.407	22.27	22.0	1.08	41	55.02	28.779	7.74	-254.9	-3.9
9/14/2004	10:30:39	50.00	36.406	22.27	22.5	1.11	42	55.22	28.920	7.74	-291.0	-4.3
9/14/2004	11:00:39	50.00	36.406	22.27	22.5	1.11	41	55.13	28.862	7.74	-301.6	-4.3
9/14/2004	11:30:39	50.00	36.406	22.27	22.0	1.09	42	55.12	28.855	7.74	-300.0	-4.2
9/14/2004	12:00:39	50.00	36.406	22.27	21.8	1.08	41	55.09	28.834	7.74	-292.4	-4.2
9/14/2004	12:30:39	50.00	36.406	22.27	21.5	1.06	41	55.31	28.990	7.74	-257.4	-4.2
9/14/2004	13:00:39	50.00	36.407	22.27	20.8	1.03	41	55.33	29.003	7.74	-196.2	-4.3
9/14/2004	13:30:39	50.00	36.407	22.27	20.2	0.99	40	54.82	28.639	7.74	-148.4	-4.1
9/15/2004	14:00:39	50.00	36.406	22.27	19.7	0.97	40	55.07	28.816	7.73	-103.2	-4.0
9/15/2004	14:30:39	50.00	36.406	22.27	19.1	0.94	40	54.77	28.608	7.73	-82.8	-4.3

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/15/2004	15:00:39	50.00	36.406	22.27	19.1	0.94	39	54.79	28.625	7.73	-76.7	-4.0
9/15/2004	15:30:39	50.00	36.406	22.27	19.1	0.94	40	54.79	28.624	7.73	-73.2	-3.8
9/15/2004	16:00:39	50.00	36.407	22.27	19.2	0.94	39	54.62	28.500	7.73	-71.3	-3.8
9/15/2004	16:30:39	50.00	36.407	22.27	19.2	0.95	40	54.71	28.566	7.73	-68.7	-3.7
9/15/2004	17:00:39	50.00	36.407	22.27	19.2	0.95	39	54.97	28.754	7.73	-67.0	-3.3
9/15/2004	17:30:39	50.00	36.405	22.27	19.7	0.97	39	56.70	29.987	7.73	-62.6	-3.3
9/15/2004	18:00:39	50.00	36.404	22.27	19.7	0.97	40	54.79	28.621	7.73	-62.8	-1.2
9/15/2004	18:30:39	50.00	36.404	22.27	16.5	0.81	43	56.37	29.747	7.73	-55.9	-1.9
9/15/2004	19:00:39	50.00	36.405	22.27	15.4	0.76	48	55.59	29.191	7.73	-50.4	-1.3
9/15/2004	19:30:39	50.00	36.405	22.27	13.9	0.68	54	56.50	29.845	7.73	-52.8	-1.6
9/15/2004	20:00:39	50.00	36.405	22.27	18.8	0.93	40	54.60	28.491	7.73	-51.5	-1.4
9/15/2004	20:30:39	50.00	36.405	22.27	17.8	0.88	42	56.18	29.619	7.73	-83.5	-1.3
9/15/2004	21:00:39	50.00	36.406	22.27	20.4	1.00	41	55.24	28.944	7.74	-142.5	-3.6
9/15/2004	21:30:39	50.00	36.406	22.27	22.4	1.10	42	55.03	28.799	7.75	-216.6	-4.1
9/15/2004	22:00:39	50.00	36.407	22.27	23.6	1.16	42	55.31	29.002	7.75	-252.5	-4.2
9/15/2004	22:30:39	50.00	36.407	22.27	23.3	1.15	43	54.79	28.624	7.74	-285.5	-3.2
9/15/2004	23:00:39	50.00	36.405	22.27	24.0	1.18	42	54.91	28.715	7.74	-281.8	-4.3
9/15/2004	23:30:39	50.00	36.403	22.27	23.9	1.18	42	55.02	28.786	7.74	-291.5	-4.0
9/15/2004	0:00:39	50.00	36.401	22.26	22.8	1.12	41	55.11	28.857	7.72	-186.2	-4.2
9/15/2004	0:30:39	50.00	36.401	22.26	21.4	1.05	41	54.99	28.770	7.72	-227.0	-2.8
9/15/2004	1:00:39	50.00	36.401	22.26	21.3	1.05	41	52.78	27.188	7.73	-193.4	-1.6
9/15/2004	1:30:39	50.00	36.402	22.26	20.9	1.03	41	56.24	29.661	7.73	-150.0	-4.3
9/16/2004	2:00:39	50.00	36.403	22.26	20.1	0.99	40	56.13	29.585	7.73	-101.1	-4.1
9/16/2004	2:30:39	50.00	36.403	22.26	20.1	0.99	40	55.23	28.948	7.73	-79.1	-3.9
9/16/2004	3:00:39	50.00	36.403	22.26	20.5	1.01	40	55.90	29.421	7.73	-72.6	-4.1
9/16/2004	3:30:39	50.00	36.403	22.27	20.5	1.01	40	53.95	28.028	7.74	-69.8	-4.0
9/16/2004	4:00:39	50.00	36.403	22.26	20.5	1.01	40	54.90	28.710	7.74	-67.5	-4.0
9/16/2004	4:30:39	50.00	36.403	22.27	20.7	1.02	41	55.14	28.877	7.74	-65.5	-4.0
9/16/2004	5:00:39	50.00	36.404	22.27	20.4	1.00	40	55.02	28.798	7.74	-64.9	-4.1
9/16/2004	5:30:39	50.00	36.404	22.27	20.3	1.00	40	55.17	28.899	7.74	-63.6	-3.9
9/16/2004	6:00:39	50.00	36.404	22.27	20.5	1.01	40	54.99	28.773	7.74	-62.5	-3.9
9/16/2004	6:30:39	50.00	36.403	22.27	20.0	0.99	40	55.27	28.975	7.73	-61.2	-4.0
9/16/2004	7:00:39	50.00	36.403	22.27	20.6	1.01	40	55.16	28.896	7.74	-60.1	-4.0
9/16/2004	7:30:39	50.00	36.403	22.26	20.2	0.99	40	55.19	28.920	7.73	-59.5	-4.1
9/16/2004	8:00:39	50.00	36.402	22.26	20.0	0.99	40	55.12	28.869	7.73	-59.6	-3.8
9/16/2004	8:30:39	50.00	36.402	22.26	20.4	1.00	40	55.00	28.785	7.72	-95.6	-4.1
9/16/2004	9:00:39	50.00	36.399	22.26	24.7	1.22	41	54.91	28.717	7.74	-154.6	-4.0
9/16/2004	9:30:39	50.00	36.399	22.26	25.9	1.28	42	54.97	28.757	7.75	-205.4	-4.0
9/16/2004	10:00:39	50.00	36.397	22.26	27.3	1.35	43	54.91	28.717	7.76	-248.2	-4.1
9/16/2004	10:30:39	50.00	36.397	22.26	27.7	1.36	43	55.02	28.795	7.76	-284.8	-4.1
9/16/2004	11:00:39	50.00	36.397	22.26	28.2	1.39	43	55.03	28.801	7.76	-307.9	-4.0
9/16/2004	11:30:39	50.00	36.400	22.26	26.8	1.32	42	55.04	28.814	7.76	-311.9	-3.9
9/16/2004	12:00:39	50.00	36.401	22.26	26.4	1.30	42	55.10	28.857	7.75	-291.8	-3.8
9/16/2004	12:30:39	50.00	36.400	22.26	25.9	1.28	42	55.07	28.833	7.75	-249.6	-4.2
9/16/2004	13:00:39	50.00	36.400	22.26	24.4	1.20	42	55.18	28.918	7.75	-201.5	-4.1
9/16/2004	13:30:39	50.00	36.402	22.26	22.9	1.13	41	55.13	28.877	7.75	-150.7	-4.0
9/17/2004	14:00:39	50.00	36.403	22.26	21.8	1.07	41	55.13	28.877	7.74	-102.7	-4.0
9/17/2004	14:30:39	50.00	36.401	22.26	21.7	1.07	40	55.10	28.861	7.73	-77.9	-4.0
9/17/2004	15:00:39	50.00	36.400	22.26	21.7	1.07	40	55.08	28.846	7.74	-72.2	-4.0
9/17/2004	15:30:39	50.00	36.400	22.26	21.7	1.07	40	55.14	28.886	7.74	-68.7	-4.2
9/17/2004	16:00:39	50.00	36.399	22.26	21.6	1.06	40	55.12	28.874	7.74	-65.7	-4.2
9/17/2004	16:30:39	50.00	36.398	22.26	21.4	1.06	40	55.09	28.846	7.74	-63.2	-4.2
9/17/2004	17:00:39	50.00	36.394	22.26	21.5	1.06	40	55.12	28.868	7.73	-60.8	-4.3
9/17/2004	17:30:39	50.00	36.391	22.26	21.5	1.06	40	55.20	28.922	7.73	-57.6	-4.1
9/17/2004	18:00:39	50.00	36.387	22.25	21.0	1.04	40	55.19	28.917	7.73	-54.9	-4.3
9/17/2004	18:30:39	50.00	36.387	22.25	20.6	1.01	39	55.12	28.875	7.73	-54.4	-4.2
9/17/2004	19:00:39	50.00	36.385	22.25	20.1	0.99	39	55.19	28.938	7.73	-52.9	-4.2
9/17/2004	19:30:39	50.00	36.385	22.25	20.1	0.99	39	55.15	28.890	7.73	-52.2	-4.2
9/17/2004	20:00:39	50.00	36.385	22.25	19.5	0.96	39	55.08	28.855	7.73	-53.5	-4.0
9/17/2004	20:30:39	50.00	36.385	22.25	20.3	1.00	39	55.00	28.788	7.73	-89.9	-4.4
9/17/2004	21:00:39	50.00	36.385	22.25	22.1	1.09	40	54.97	28.763	7.74	-155.1	-4.1
9/17/2004	21:30:39	50.00	36.386	22.25	24.0	1.18	41	54.94	28.726	7.75	-210.4	-4.0
9/17/2004	22:00:39	50.00	36.388	22.26	25.2	1.24	42	54.95	28.753	7.77	-264.5	-4.0
9/17/2004	22:30:39	50.00	36.400	22.26	25.9	1.28	42	54.97	28.772	7.76	-296.2	-3.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/17/2004	23:00:39	50.00	36.403	22.26	26.2	1.29	43	55.00	28.795	7.77	-331.0	-4.1
9/17/2004	23:30:39	50.00	36.405	22.27	25.8	1.27	42	55.07	28.830	7.76	-328.9	-4.3
9/17/2004	0:00:39	50.00	36.405	22.27	25.2	1.24	43	55.19	28.921	7.76	-308.9	-4.1
9/17/2004	0:30:39	50.00	36.403	22.27	25.2	1.24	42	55.23	28.933	7.75	-265.4	-4.1
9/17/2004	1:00:39	50.00	36.402	22.26	23.8	1.17	41	55.29	28.997	7.75	-211.0	-3.9
9/17/2004	1:30:39	50.00	36.402	22.26	22.8	1.12	41	55.33	29.025	7.74	-152.0	-4.3
9/18/2004	2:00:39	50.00	36.401	22.26	21.8	1.07	41	55.34	29.029	7.73	-100.8	-4.1
9/18/2004	2:30:39	50.00	36.400	22.26	21.2	1.04	41	55.37	29.049	7.73	-77.6	-4.1
9/18/2004	3:00:39	50.00	36.398	22.26	21.2	1.04	40	55.32	29.012	7.73	-71.2	-3.9
9/18/2004	3:30:39	50.00	36.398	22.26	21.0	1.03	41	55.29	28.998	7.73	-68.4	-4.0
9/18/2004	4:00:39	50.00	36.399	22.26	21.0	1.03	40	55.29	28.994	7.74	-66.2	-2.4
9/18/2004	4:30:39	50.00	36.399	22.26	20.5	1.01	40	55.25	28.970	7.74	-65.1	-4.1
9/18/2004	5:00:39	50.00	36.401	22.26	20.0	0.98	40	55.25	28.971	7.74	-64.0	-4.1
9/18/2004	5:30:39	50.00	36.401	22.26	19.8	0.98	41	55.24	28.959	7.74	-64.1	-3.3
9/18/2004	6:00:39	50.00	36.402	22.26	19.9	0.98	41	55.24	28.959	7.73	-62.1	-3.5
9/18/2004	6:30:39	50.00	36.402	22.26	19.5	0.96	40	55.20	28.930	7.73	-61.3	-3.8
9/18/2004	7:00:39	50.00	36.402	22.26	18.7	0.92	40	55.18	28.884	7.73	-62.4	-3.6
9/18/2004	7:30:39	50.00	36.403	22.26	17.9	0.88	39	55.11	28.843	7.72	-61.6	-4.0
9/18/2004	8:00:39	50.00	36.403	22.26	17.9	0.88	39	55.02	28.787	7.71	-61.8	-3.7
9/18/2004	8:30:39	50.00	36.402	22.26	18.3	0.90	39	54.94	28.728	7.71	-99.0	-4.0
9/18/2004	9:00:39	50.00	36.403	22.26	19.6	0.97	39	54.86	28.677	7.72	-161.6	-4.7
9/18/2004	9:30:39	50.00	36.405	22.27	23.0	1.13	41	54.81	28.664	7.76	-218.8	-4.7
9/18/2004	10:00:39	50.00	36.407	22.27	24.0	1.18	42	54.78	28.652	7.76	-258.2	-4.7
9/18/2004	10:30:39	50.00	36.407	22.27	24.3	1.20	42	54.78	28.646	7.76	-285.1	-4.6
9/18/2004	11:00:39	50.00	36.408	22.27	24.3	1.20	42	54.82	28.679	7.75	-306.4	-4.7
9/18/2004	11:30:39	50.00	36.407	22.27	24.4	1.20	42	54.88	28.719	7.75	-296.3	-4.6
9/18/2004	12:00:39	50.00	36.407	22.27	23.8	1.17	41	54.99	28.795	7.75	-302.6	-4.6
9/18/2004	12:30:39	50.00	36.407	22.27	23.6	1.16	41	55.09	28.872	7.75	-268.1	-4.6
9/18/2004	13:00:39	50.00	36.406	22.27	22.5	1.11	41	55.22	28.963	7.74	-202.0	-4.6
9/18/2004	13:30:39	50.00	36.406	22.27	21.5	1.06	40	55.28	29.007	7.74	-150.3	-4.6
9/19/2004	14:00:39	50.00	36.406	22.27	20.6	1.02	40	55.37	29.072	7.73	-96.3	-4.6
9/19/2004	14:30:39	50.00	36.406	22.27	20.1	0.99	40	55.41	29.104	7.73	-76.1	-4.7
9/19/2004	15:00:39	50.00	36.406	22.27	20.1	0.99	40	55.46	29.135	7.73	-70.3	-4.6
9/19/2004	15:30:39	50.00	36.405	22.27	19.9	0.98	40	55.45	29.129	7.73	-67.0	-4.6
9/19/2004	16:00:39	50.00	36.405	22.27	20.1	0.99	40	55.46	29.134	7.73	-62.9	-4.6
9/19/2004	16:30:39	50.00	36.405	22.27	20.1	0.99	40	55.45	29.129	7.73	-61.8	-4.6
9/19/2004	17:00:39	50.00	36.405	22.27	20.1	0.99	40	55.41	29.106	7.73	-60.2	-4.6
9/19/2004	17:30:39	50.00	36.406	22.27	20.1	0.99	40	55.40	29.097	7.73	-58.4	-4.6
9/19/2004	18:00:39	50.00	36.406	22.27	20.2	0.99	40	55.37	29.075	7.73	-58.1	-4.6
9/19/2004	18:30:39	50.00	36.405	22.27	19.7	0.97	40	55.33	29.046	7.73	-57.2	-4.6
9/19/2004	19:00:39	50.00	36.406	22.27	19.2	0.95	40	55.27	29.007	7.73	-56.6	-4.6
9/19/2004	19:30:39	50.00	36.406	22.27	18.4	0.91	39	55.19	28.949	7.72	-56.0	-4.6
9/19/2004	20:00:39	50.00	36.406	22.27	16.8	0.83	39	55.11	28.894	7.71	-56.3	-4.6
9/19/2004	20:30:39	50.00	36.406	22.27	17.5	0.86	39	55.01	28.820	7.71	-97.8	-4.7
9/19/2004	21:00:39	50.00	36.406	22.27	18.6	0.92	39	54.90	28.743	7.72	-167.1	-4.6
9/19/2004	21:30:39	50.00	36.407	22.27	19.9	0.98	40	54.80	28.671	7.74	-245.1	-4.7
9/19/2004	22:00:39	50.00	36.407	22.27	24.5	1.21	42	54.73	28.624	7.77	-283.3	-4.6
9/19/2004	22:30:39	50.00	36.407	22.27	25.3	1.25	43	54.68	28.585	7.76	-310.4	-4.6
9/19/2004	23:00:39	50.00	36.406	22.27	25.6	1.26	43	54.68	28.588	7.76	-329.3	-4.6
9/19/2004	23:30:39	50.00	36.406	22.27	25.5	1.26	43	54.71	28.607	7.75	-330.6	-4.6
9/19/2004	0:00:39	50.00	36.406	22.27	24.8	1.22	42	54.78	28.658	7.75	-311.1	-4.6
9/19/2004	0:30:39	50.00	36.406	22.27	24.0	1.18	42	54.89	28.735	7.75	-265.2	-4.7
9/19/2004	1:00:39	50.00	36.406	22.27	22.9	1.13	41	55.00	28.817	7.75	-205.7	-4.6
9/19/2004	1:30:39	50.00	36.406	22.27	21.6	1.07	41	55.14	28.913	7.74	-148.8	-4.6
9/20/2004	2:00:39	50.00	36.407	22.27	20.6	1.01	40	55.25	28.995	7.73	-97.5	-4.6
9/20/2004	2:30:39	50.00	36.407	22.27	20.0	0.98	40	55.37	29.077	7.73	-77.1	-4.6
9/20/2004	3:00:39	50.00	36.407	22.27	19.6	0.97	40	55.43	29.125	7.73	-71.2	-4.6
9/20/2004	3:30:39	50.00	36.407	22.27	19.5	0.96	40	55.49	29.167	7.73	-67.9	-4.4
9/20/2004	4:00:39	50.00	36.407	22.27	19.6	0.97	40	55.52	29.192	7.73	-65.3	-4.7
9/20/2004	4:30:39	50.00	36.407	22.27	19.1	0.94	40	55.53	29.194	7.73	-63.4	-4.6
9/20/2004	5:00:39	50.00	36.407	22.27	18.8	0.93	39	55.52	29.187	7.73	-62.5	-4.7
9/20/2004	5:30:39	50.00	36.407	22.27	17.6	0.87	39	55.50	29.175	7.71	-60.6	-4.6
9/20/2004	6:00:39	50.00	36.407	22.27	16.2	0.80	38	55.46	29.150	7.71	-60.1	-4.7
9/20/2004	6:30:39	50.00	36.407	22.27	15.2	0.75	38	55.42	29.121	7.70	-58.4	-4.7

Appendix 5
Water Quality Data

West Flower Garden Bank

July 15, 2004 - November 19, 2004

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/20/2004	7:00:39	50.00	36.407	22.27	17.4	0.86	39	55.36	29.079	7.71	-57.4	-4.6
9/20/2004	7:30:39	50.00	36.407	22.27	18.3	0.90	39	55.28	29.022	7.72	-56.0	-4.6
9/20/2004	8:00:39	50.00	36.406	22.27	17.4	0.86	39	55.20	28.966	7.71	-57.2	-4.7
9/20/2004	8:30:39	50.00	36.407	22.27	17.9	0.88	40	55.11	28.899	7.71	-105.1	-4.7
9/20/2004	9:00:39	50.00	36.407	22.27	20.4	1.00	41	55.00	28.824	7.73	-180.5	-3.5
9/20/2004	9:30:39	50.00	36.407	22.27	21.8	1.08	41	54.90	28.753	7.74	-242.9	-4.6
9/20/2004	10:00:39	50.00	36.407	22.27	22.8	1.12	41	54.81	28.687	7.76	-288.0	-4.6
9/20/2004	10:30:39	50.00	36.408	22.27	24.2	1.19	42	54.73	28.633	7.76	-342.9	-4.6
9/20/2004	11:00:39	50.00	36.408	22.27	24.6	1.21	43	54.69	28.607	7.75	-345.2	-4.6
9/20/2004	11:30:39	50.00	36.409	22.27	24.8	1.22	42	54.67	28.587	7.75	-354.7	-4.7
9/20/2004	12:00:39	50.00	36.409	22.27	24.9	1.23	43	54.72	28.623	7.76	-337.7	-4.6
9/20/2004	12:30:39	50.00	36.409	22.27	24.3	1.20	42	54.79	28.678	7.75	-201.1	-4.6
9/20/2004	13:00:39	50.00	36.409	22.27	23.2	1.14	42	54.90	28.758	7.75	-222.9	-4.6
9/20/2004	13:30:39	50.00	36.408	22.27	21.5	1.06	41	55.04	28.851	7.74	-153.6	-4.7
9/21/2004	14:00:39	50.00	36.408	22.27	19.7	0.97	40	55.17	28.950	7.72	-98.7	-4.6
9/21/2004	14:30:39	50.00	36.408	22.27	18.7	0.92	40	55.29	29.033	7.72	-78.8	-4.6
9/21/2004	15:00:39	50.00	36.408	22.27	18.4	0.90	39	55.40	29.117	7.72	-72.6	-4.6
9/21/2004	15:30:39	50.00	36.408	22.27	19.4	0.95	40	55.50	29.186	7.73	-67.8	-4.6
9/21/2004	16:00:39	50.00	36.408	22.27	19.1	0.94	40	55.55	29.222	7.73	-66.1	-4.6
9/21/2004	16:30:39	50.00	36.407	22.27	18.6	0.91	40	55.59	29.251	7.72	-63.8	-4.6
9/21/2004	17:00:39	50.00	36.407	22.27	18.3	0.90	39	55.59	29.252	7.72	-61.9	-4.6
9/21/2004	17:30:39	50.00	36.407	22.27	18.3	0.90	40	55.58	29.241	7.72	-60.5	-4.5
9/21/2004	18:00:39	50.00	36.407	22.27	19.7	0.97	40	55.48	29.175	7.74	-59.2	-4.5
9/21/2004	18:30:39	50.00	36.407	22.27	19.8	0.97	40	55.43	29.133	7.74	-58.7	-4.6
9/21/2004	19:00:39	50.00	36.407	22.27	19.7	0.97	40	55.44	29.146	7.73	-57.9	-4.2
9/21/2004	19:30:39	50.00	36.407	22.27	19.8	0.98	40	55.47	29.164	7.73	-57.4	-3.6
9/21/2004	20:00:39	50.00	36.407	22.27	19.5	0.96	40	55.32	29.057	7.73	-58.0	-4.4
9/21/2004	20:30:39	50.00	36.407	22.27	20.5	1.01	40	55.23	28.996	7.74	-102.4	-3.6
9/21/2004	21:00:39	50.00	36.407	22.27	22.4	1.10	41	55.12	28.918	7.74	-175.3	-3.6
9/21/2004	21:30:39	50.00	36.407	22.27	23.6	1.16	42	55.01	28.841	7.74	-230.9	-4.4
9/21/2004	22:00:39	50.00	36.407	22.27	24.2	1.19	43	54.90	28.761	7.75	-279.2	29.6
9/21/2004	22:30:39	50.00	36.407	22.27	24.5	1.21	43	54.80	28.689	7.74	-306.9	-1.5
9/21/2004	23:00:39	50.00	36.407	22.27	24.6	1.21	43	54.68	28.606	7.74	-335.0	-1.0
9/21/2004	23:30:39	50.00	36.407	22.27	24.3	1.20	42	54.75	28.658	7.74	-339.0	-4.1
9/21/2004	0:00:39	50.00	36.407	22.27	23.9	1.18	42	54.69	28.605	7.74	-255.2	-3.6
9/21/2004	0:30:39	50.00	36.407	22.27	23.1	1.14	42	54.77	28.663	7.74	-255.4	-4.3
9/21/2004	1:00:39	50.00	36.407	22.27	22.4	1.10	41	54.79	28.683	7.74	-208.9	-3.6
9/21/2004	1:30:39	50.00	36.407	22.27	21.4	1.06	41	54.84	28.718	7.73	-133.8	-3.5
9/22/2004	2:00:39	50.00	36.407	22.27	20.3	1.00	40	55.07	28.883	7.73	-94.7	-3.2
9/22/2004	2:30:39	50.00	36.406	22.27	20.1	0.99	40	55.27	29.026	7.73	-77.8	-4.0
9/22/2004	3:00:39	50.00	36.407	22.27	19.9	0.98	40	55.38	29.103	7.73	-72.1	-3.9
9/22/2004	3:30:39	50.00	36.407	22.27	19.8	0.98	40	55.46	29.163	7.73	-68.2	-3.3
9/22/2004	4:00:39	50.00	36.406	22.27	19.9	0.98	40	55.62	29.276	7.73	-66.0	-4.0
9/22/2004	4:30:39	50.00	36.406	22.27	20.0	0.99	40	55.59	29.257	7.74	-64.3	-4.5
9/22/2004	5:00:39	50.00	36.407	22.27	19.9	0.98	40	55.67	29.313	7.74	-62.4	-4.6
9/22/2004	5:30:39	50.00	36.405	22.27	20.1	0.99	40	55.68	29.324	7.73	-61.0	-3.8
9/22/2004	6:00:39	50.00	36.405	22.27	20.6	1.01	41	55.71	29.342	7.73	-59.9	-3.9
9/22/2004	6:30:39	50.00	36.405	22.27	20.2	1.00	41	55.53	29.218	7.74	-59.3	-3.8
9/22/2004	7:00:39	50.00	36.407	22.27	19.7	0.97	40	55.63	29.285	7.74	-58.8	-4.5
9/22/2004	7:30:39	50.00	36.407	22.27	19.9	0.98	40	55.60	29.266	7.74	-58.1	-2.6
9/22/2004	8:00:39	50.00	36.407	22.27	19.9	0.98	40	55.66	29.307	7.74	-57.7	-4.0
9/22/2004	8:30:39	50.00	36.407	22.27	20.1	0.99	40	55.44	29.150	7.74	-78.8	-3.6
9/22/2004	9:00:39	50.00	36.407	22.27	20.6	1.01	40	55.24	29.005	7.74	-85.1	-3.8
9/22/2004	9:30:39	50.00	36.407	22.27	21.1	1.04	41	54.95	28.801	7.74	-134.8	-3.2
9/22/2004	10:00:39	50.00	36.407	22.27	22.8	1.12	41	55.16	28.955	7.74	-206.9	-0.3
9/22/2004	10:30:39	50.00	36.407	22.27	22.8	1.12	42	54.86	28.736	7.74	-226.6	-3.8
9/22/2004	11:00:39	50.00	36.407	22.27	23.5	1.16	41	54.67	28.601	7.74	-219.0	-3.0
9/22/2004	11:30:39	50.00	36.407	22.27	23.8	1.17	42	54.72	28.640	7.74	-256.2	-2.7
9/22/2004	12:00:39	50.00	36.407	22.27	23.8	1.17	42	54.55	28.519	7.74	-296.3	-4.4
9/22/2004	12:30:39	50.00	36.407	22.27	23.3	1.15	41	54.58	28.540	7.74	-222.9	-4.4
9/22/2004	13:00:39	50.00	36.407	22.27	22.7	1.12	42	54.51	28.489	7.74	-223.3	0.9
9/22/2004	13:30:39	50.00	36.407	22.27	21.4	1.06	41	54.66	28.597	7.74	-140.6	-3.8
9/23/2004	14:00:39	50.00	36.407	22.27	20.5	1.01	41	54.77	28.675	7.73	-93.5	3.9
9/23/2004	14:30:39	50.00	36.407	22.27	20.2	1.00	40	55.03	28.864	7.74	-76.4	1.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/23/2004	15:00:39	50.00	36.406	22.27	20.1	0.99	40	55.12	28.920	7.74	-71.4	-4.6
9/23/2004	15:30:39	50.00	36.406	22.27	20.4	1.00	40	55.42	29.138	7.74	-67.2	-4.3
9/23/2004	16:00:39	50.00	36.406	22.27	20.4	1.00	41	55.40	29.125	7.74	-64.9	-4.6
9/23/2004	16:30:39	50.00	36.403	22.27	20.7	1.02	40	55.54	29.216	7.73	-62.5	-3.5
9/23/2004	17:00:39	50.00	36.403	22.27	21.1	1.04	41	55.61	29.261	7.74	-61.7	-1.4
9/23/2004	17:30:39	50.00	36.405	22.27	20.4	1.00	40	55.63	29.275	7.74	-61.6	-0.5
9/23/2004	18:00:39	50.00	36.405	22.27	20.0	0.98	40	55.59	29.266	7.74	-60.1	-1.0
9/23/2004	18:30:39	50.00	36.406	22.27	20.2	0.99	40	55.44	29.157	7.74	-58.5	-1.3
9/23/2004	19:00:39	50.00	36.406	22.27	20.0	0.99	40	55.71	29.345	7.74	-58.1	-3.0
9/23/2004	19:30:39	50.00	36.406	22.27	20.1	0.99	40	55.53	29.213	7.74	-58.0	-0.8
9/23/2004	20:00:39	50.00	36.406	22.27	19.8	0.98	40	55.54	29.227	7.74	-58.6	-1.9
9/23/2004	20:30:39	50.00	36.406	22.27	20.5	1.01	40	55.45	29.160	7.74	-91.1	-2.2
9/23/2004	21:00:39	50.00	36.407	22.27	22.1	1.09	41	55.43	29.148	7.74	-207.6	-3.5
9/23/2004	21:30:39	50.00	36.407	22.27	23.5	1.16	42	55.15	28.952	7.74	-201.6	-4.1
9/23/2004	22:00:39	50.00	36.407	22.27	23.8	1.17	42	55.24	29.017	7.75	-275.8	-3.4
9/23/2004	22:30:39	50.00	36.407	22.27	24.4	1.20	43	55.14	28.945	7.75	-300.4	-2.7
9/23/2004	23:00:39	50.00	36.407	22.27	25.2	1.24	43	55.03	28.861	7.75	-325.7	-4.6
9/23/2004	23:30:39	50.00	36.407	22.27	24.9	1.22	42	54.76	28.669	7.74	-222.4	-2.6
9/23/2004	0:00:39	50.00	36.407	22.27	24.4	1.20	42	54.58	28.542	7.75	-296.9	-4.6
9/23/2004	0:30:39	50.00	36.406	22.27	23.8	1.17	42	54.68	28.613	7.75	-263.7	-4.0
9/23/2004	1:00:39	50.00	36.406	22.27	22.9	1.13	41	54.51	28.492	7.74	-207.3	-3.2
9/23/2004	1:30:39	50.00	36.406	22.27	21.8	1.08	41	54.64	28.584	7.74	-149.3	-3.3
9/24/2004	2:00:39	50.00	36.407	22.27	20.6	1.02	41	54.72	28.650	7.73	-97.4	-3.0
9/24/2004	2:30:39	50.00	36.406	22.27	19.7	0.97	40	54.86	28.746	7.73	-78.7	-4.0
9/24/2004	3:00:39	50.00	36.406	22.27	19.7	0.97	40	54.91	28.781	7.73	-72.7	-4.1
9/24/2004	3:30:39	50.00	36.406	22.27	19.4	0.95	40	55.13	28.941	7.73	-69.0	-3.6
9/24/2004	4:00:39	50.00	36.407	22.27	19.7	0.97	40	55.30	29.060	7.73	-66.5	-4.1
9/24/2004	4:30:39	50.00	36.406	22.27	19.5	0.96	40	55.47	29.188	7.73	-64.8	-3.3
9/24/2004	5:00:39	50.00	36.406	22.27	19.8	0.98	40	55.53	29.223	7.74	-63.3	-2.8
9/24/2004	5:30:39	50.00	36.407	22.27	19.8	0.98	40	55.49	29.198	7.74	-62.0	-3.3
9/24/2004	6:00:39	50.00	36.406	22.27	19.9	0.98	40	55.55	29.241	7.74	-60.7	-3.5
9/24/2004	6:30:39	50.00	36.406	22.27	19.6	0.97	40	55.54	29.235	7.73	-60.2	-4.4
9/24/2004	7:00:39	50.00	36.405	22.27	20.3	1.00	40	55.48	29.185	7.73	-58.2	-4.1
9/24/2004	7:30:39	50.00	36.402	22.26	20.4	1.00	40	55.48	29.175	7.73	-58.3	-4.6
9/24/2004	8:00:39	50.00	36.402	22.26	19.3	0.95	40	55.45	29.157	7.72	-58.6	-4.6
9/24/2004	8:30:39	50.00	36.401	22.26	19.6	0.96	40	55.47	29.186	7.72	-102.1	-4.4
9/24/2004	9:00:39	50.00	36.404	22.27	21.3	1.05	41	55.38	29.108	7.72	-190.1	-4.5
9/24/2004	9:30:39	50.00	36.402	22.26	22.3	1.10	41	55.35	29.089	7.73	-221.8	-4.6
9/24/2004	10:00:39	50.00	36.405	22.27	22.8	1.13	42	55.31	29.060	7.73	-257.6	-4.6
9/24/2004	10:30:39	50.00	36.403	22.26	24.1	1.19	42	55.19	28.977	7.73	-293.1	-4.6
9/24/2004	11:00:39	50.00	36.403	22.27	25.4	1.25	43	55.12	28.933	7.75	-307.2	-4.5
9/24/2004	11:30:39	50.00	36.406	22.27	25.2	1.24	42	55.00	28.846	7.75	-322.0	-4.5
9/24/2004	12:00:39	50.00	36.407	22.27	25.4	1.25	42	54.85	28.736	7.75	-295.4	-4.5
9/24/2004	12:30:39	50.00	36.407	22.27	24.5	1.21	43	54.72	28.650	7.74	-230.0	-4.4
9/24/2004	13:00:39	50.00	36.407	22.27	23.2	1.14	41	54.64	28.590	7.74	-130.4	-3.8
9/24/2004	13:30:39	50.00	36.407	22.27	22.3	1.10	41	54.60	28.559	7.73	-124.5	-4.6
9/25/2004	14:00:39	50.00	36.406	22.27	20.4	1.01	40	54.68	28.622	7.72	-89.1	-4.6
9/25/2004	14:30:39	50.00	36.407	22.27	19.4	0.95	40	54.69	28.625	7.72	-76.2	-4.4
9/25/2004	15:00:39	50.00	36.407	22.27	19.0	0.94	40	54.81	28.696	7.72	-71.2	-4.6
9/25/2004	15:30:39	50.00	36.407	22.27	19.2	0.95	40	54.96	28.820	7.73	-68.1	-4.3
9/25/2004	16:00:39	50.00	36.407	22.27	19.4	0.95	40	55.16	28.963	7.73	-65.6	-4.4
9/25/2004	16:30:39	50.00	36.407	22.27	19.1	0.94	40	55.29	29.054	7.73	-64.2	-4.1
9/25/2004	17:00:39	50.00	36.407	22.27	19.1	0.94	40	55.38	29.123	7.73	-62.9	-4.6
9/25/2004	17:30:39	50.00	36.407	22.27	18.7	0.92	40	55.42	29.150	7.73	-62.2	-4.6
9/25/2004	18:00:39	50.00	36.406	22.27	18.9	0.93	40	55.54	29.233	7.73	-60.8	-4.4
9/25/2004	18:30:39	50.00	36.406	22.27	19.2	0.95	40	55.50	29.213	7.73	-60.5	-4.6
9/25/2004	19:00:39	50.00	36.405	22.27	19.7	0.97	40	55.46	29.179	7.73	-59.6	-4.7
9/25/2004	19:30:39	50.00	36.403	22.26	19.2	0.95	40	55.48	29.190	7.72	-58.2	-3.9
9/25/2004	20:00:39	50.00	36.403	22.26	19.1	0.94	40	55.46	29.178	7.72	-57.9	-4.6
9/25/2004	20:30:39	50.00	36.403	22.26	19.1	0.94	40	55.44	29.171	7.72	-69.5	-4.4
9/25/2004	21:00:39	50.00	36.403	22.26	21.3	1.05	41	55.44	29.161	7.74	-145.5	-4.6
9/25/2004	21:30:39	50.00	36.403	22.27	22.4	1.11	41	55.42	29.154	7.74	-163.2	-4.6
9/25/2004	22:00:39	50.00	36.405	22.27	24.6	1.21	43	55.40	29.140	7.76	-242.3	-4.6
9/25/2004	22:30:39	50.00	36.404	22.27	24.7	1.22	43	55.31	29.077	7.75	-209.3	-4.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/25/2004	23:00:39	50.00	36.406	22.27	25.5	1.26	42	55.25	29.036	7.75	-246.5	-4.3
9/25/2004	23:30:39	50.00	36.406	22.27	26.3	1.29	43	55.14	28.954	7.76	-303.0	-3.1
9/25/2004	0:00:39	50.00	36.406	22.27	23.1	1.14	42	55.00	28.856	7.74	-174.5	-3.8
9/25/2004	0:30:39	50.00	36.406	22.27	22.1	1.09	41	54.88	28.769	7.74	-141.7	-4.2
9/25/2004	1:00:39	50.00	36.406	22.27	21.7	1.07	41	54.81	28.732	7.74	-157.9	-4.4
9/25/2004	1:30:39	50.00	36.400	22.26	22.0	1.09	41	54.73	28.639	7.72	-116.3	-1.9
9/26/2004	2:00:39	50.00	36.398	22.26	21.3	1.05	41	54.69	28.622	7.73	-81.5	-4.0
9/26/2004	2:30:39	50.00	36.398	22.26	20.6	1.01	40	54.70	28.631	7.72	-70.0	-4.1
9/26/2004	3:00:39	50.00	36.398	22.26	19.7	0.97	40	54.77	28.680	7.72	-65.8	-4.5
9/26/2004	3:30:39	50.00	36.399	22.26	19.1	0.94	40	54.91	28.782	7.71	-63.8	-4.3
9/26/2004	4:00:39	50.00	36.399	22.26	18.4	0.91	39	55.01	28.855	7.71	-62.0	-3.9
9/26/2004	4:30:39	50.00	36.399	22.26	16.8	0.83	39	55.13	28.940	7.69	-61.0	-4.7
9/26/2004	5:00:39	50.00	36.399	22.26	16.1	0.79	38	55.24	29.021	7.69	-60.4	-1.5
9/26/2004	5:30:39	50.00	36.401	22.26	19.5	0.96	40	55.32	29.025	7.73	-62.1	-3.6
9/26/2004	6:00:39	50.00	36.401	22.26	20.8	1.03	40	55.35	29.054	7.74	-61.0	-0.4
9/26/2004	6:30:39	50.00	36.402	22.26	19.7	0.97	40	55.33	29.088	7.73	-58.7	0.1
9/26/2004	7:00:39	50.00	36.403	22.26	19.4	0.95	40	55.34	29.092	7.73	-58.0	-0.1
9/26/2004	7:30:39	50.00	36.406	22.27	19.6	0.97	40	55.30	29.063	7.74	-57.3	-0.5
9/26/2004	8:00:39	50.00	36.404	22.27	19.3	0.95	40	55.33	29.095	7.74	-57.8	0.0
9/26/2004	8:30:39	50.00	36.405	22.27	20.0	0.98	40	55.29	29.056	7.74	-85.3	0.2
9/26/2004	9:00:39	50.00	36.406	22.27	21.8	1.08	41	55.31	29.073	7.74	-149.1	0.1
9/26/2004	9:30:39	50.00	36.407	22.27	23.7	1.17	42	55.33	29.088	7.75	-200.3	-1.6
9/26/2004	10:00:39	50.00	36.405	22.27	25.0	1.23	43	55.32	29.082	7.76	-246.8	-4.6
9/26/2004	10:30:39	50.00	36.405	22.27	25.6	1.26	43	55.33	29.085	7.76	-281.1	-4.6
9/26/2004	11:00:39	50.00	36.405	22.27	25.8	1.27	43	55.28	29.051	7.76	-286.8	-4.6
9/26/2004	11:30:39	50.00	36.404	22.27	25.5	1.26	43	55.24	29.024	7.75	-289.1	-4.7
9/26/2004	12:00:39	50.00	36.403	22.26	25.2	1.24	43	55.14	28.954	7.75	-269.8	-4.7
9/26/2004	12:30:39	50.00	36.403	22.26	24.5	1.21	42	55.05	28.894	7.75	-235.8	-4.6
9/26/2004	13:00:39	50.00	36.401	22.26	23.7	1.17	42	54.95	28.815	7.74	-183.5	-4.7
9/26/2004	13:30:39	50.00	36.401	22.26	22.7	1.12	42	54.87	28.753	7.73	-133.3	-4.6
9/27/2004	14:00:39	50.00	36.403	22.26	20.9	1.03	41	54.81	28.712	7.73	-91.1	-4.6
9/27/2004	14:30:39	50.00	36.401	22.26	20.2	1.00	40	54.80	28.708	7.72	-74.4	-4.6
9/27/2004	15:00:39	50.00	36.400	22.26	20.1	0.99	40	54.81	28.721	7.72	-69.5	-4.6
9/27/2004	15:30:39	50.00	36.401	22.26	19.4	0.96	40	54.87	28.763	7.72	-66.7	-4.6
9/27/2004	16:00:39	50.00	36.401	22.26	18.8	0.93	40	54.98	28.841	7.72	-64.7	-4.7
9/27/2004	16:30:39	50.00	36.401	22.26	17.5	0.86	39	55.07	28.906	7.70	-62.7	-4.6
9/27/2004	17:00:39	50.00	36.401	22.26	17.3	0.85	39	55.18	28.982	7.70	-61.6	-4.7
9/27/2004	17:30:39	50.00	36.401	22.26	16.8	0.83	39	55.23	29.023	7.70	-60.4	-4.5
9/27/2004	18:00:39	50.00	36.401	22.26	16.5	0.81	39	55.29	29.064	7.70	-59.6	-4.7
9/27/2004	18:30:39	50.00	36.401	22.26	15.9	0.78	38	55.29	29.063	7.69	-58.6	-4.7
9/27/2004	19:00:39	50.00	36.401	22.26	15.5	0.76	38	55.30	29.073	7.69	-57.7	-4.2
9/27/2004	19:30:39	50.00	36.401	22.26	15.1	0.75	38	55.28	29.061	7.69	-57.5	-4.6
9/27/2004	20:00:39	50.00	36.401	22.26	14.6	0.72	38	55.30	29.070	7.68	-57.4	-4.6
9/27/2004	20:30:39	50.00	36.401	22.26	14.6	0.72	38	55.31	29.079	7.68	-87.7	-4.7
9/27/2004	21:00:39	50.00	36.402	22.26	15.4	0.76	38	55.34	29.102	7.67	-146.0	-4.6
9/27/2004	21:30:39	50.00	36.402	22.26	16.7	0.82	39	55.38	29.127	7.67	-200.6	-4.7
9/27/2004	22:00:39	50.00	36.403	22.27	23.8	1.17	42	55.40	29.139	7.74	-203.8	-4.7
9/27/2004	22:30:39	50.00	36.404	22.27	25.3	1.24	43	55.45	29.175	7.75	-270.9	-4.6
9/27/2004	23:00:39	50.00	36.405	22.27	24.6	1.21	42	55.46	29.184	7.74	-247.8	-4.6
9/27/2004	23:30:39	50.00	36.404	22.27	25.1	1.24	43	55.41	29.148	7.75	-285.7	-4.7
9/27/2004	0:00:39	50.00	36.404	22.27	24.9	1.23	43	55.38	29.128	7.75	-265.8	-4.6
9/27/2004	0:30:39	50.00	36.405	22.27	24.1	1.19	42	55.33	29.090	7.74	-228.7	-4.6
9/27/2004	1:00:39	50.00	36.405	22.27	23.2	1.14	42	55.19	28.992	7.74	-182.0	-4.1
9/27/2004	1:30:39	50.00	36.405	22.27	22.2	1.09	42	55.08	28.917	7.73	-135.1	-3.8
9/28/2004	2:00:39	50.00	36.405	22.27	20.3	1.00	41	55.02	28.872	7.73	-92.1	-3.5
9/28/2004	2:30:39	50.00	36.405	22.27	19.5	0.96	40	54.97	28.840	7.72	-78.0	-4.6
9/28/2004	3:00:39	50.00	36.405	22.27	19.4	0.95	40	54.98	28.844	7.72	-72.9	-4.6
9/28/2004	3:30:39	50.00	36.405	22.27	19.5	0.96	40	54.94	28.819	7.73	-69.5	-4.6
9/28/2004	4:00:39	50.00	36.405	22.27	19.3	0.95	40	55.03	28.881	7.72	-67.1	-4.7
9/28/2004	4:30:39	50.00	36.405	22.27	19.2	0.95	40	55.09	28.924	7.73	-65.5	-2.2
9/28/2004	5:00:39	50.00	36.405	22.27	18.6	0.92	40	55.12	28.945	7.72	-63.2	-4.6
9/28/2004	5:30:39	50.00	36.405	22.27	18.2	0.90	40	55.18	28.990	7.72	-62.4	-4.7
9/28/2004	6:00:39	50.00	36.405	22.27	18.9	0.93	40	55.20	29.002	7.73	-61.6	-4.7
9/28/2004	6:30:39	50.00	36.405	22.27	19.3	0.95	40	55.19	28.996	7.73	-60.8	-4.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
9/28/2004	7:00:39	50.00	36.404	22.27	19.0	0.94	40	55.19	28.995	7.72	-59.7	-4.7
9/28/2004	7:30:39	50.00	36.404	22.27	18.8	0.93	40	55.11	28.938	7.72	-59.4	-4.7
9/28/2004	8:00:39	50.00	36.404	22.27	18.8	0.93	40	55.08	28.920	7.73	-59.5	-4.0
9/28/2004	8:30:39	50.00	36.403	22.27	18.9	0.93	40	55.06	28.902	7.72	-91.0	-4.7
9/28/2004	9:00:39	50.00	36.404	22.27	21.1	1.04	41	55.08	28.917	7.72	-152.7	-4.6
9/28/2004	9:30:39	50.00	36.404	22.27	23.5	1.16	42	55.10	28.935	7.74	-192.6	-4.6
9/28/2004	10:00:39	50.00	36.404	22.27	24.5	1.21	43	55.15	28.967	7.74	-191.8	-4.7
9/28/2004	10:30:39	50.00	36.404	22.27	24.8	1.22	43	55.17	28.986	7.74	-236.7	-4.7
9/28/2004	11:00:39	50.00	36.404	22.27	25.5	1.26	43	55.24	29.035	7.74	-296.0	-4.6
9/28/2004	11:30:39	50.00	36.404	22.27	23.8	1.17	42	55.25	29.040	7.74	-195.8	-4.6
9/28/2004	12:00:39	50.00	36.404	22.27	23.8	1.17	42	55.26	29.046	7.74	-203.4	-4.6
9/28/2004	12:30:39	50.00	36.404	22.27	23.0	1.13	42	55.26	29.049	7.74	-166.6	-4.6
9/28/2004	13:00:39	50.00	36.404	22.27	21.9	1.08	42	55.21	29.016	7.73	-132.8	-4.6
9/28/2004	13:30:39	50.00	36.404	22.27	20.8	1.02	41	55.15	28.973	7.73	-103.3	-4.7
9/29/2004	14:00:39	50.00	36.404	22.27	20.0	0.99	41	55.09	28.927	7.73	-81.9	-4.7
9/29/2004	14:30:39	50.00	36.404	22.27	19.6	0.97	41	55.05	28.897	7.73	-72.8	-4.6
9/29/2004	15:00:39	50.00	36.404	22.27	20.0	0.99	41	55.01	28.872	7.73	-68.3	-4.6
9/29/2004	15:30:39	50.00	36.404	22.27	19.8	0.98	41	55.01	28.870	7.73	-66.6	-4.6
9/29/2004	16:00:39	50.00	36.403	22.27	20.2	0.99	41	55.01	28.871	7.73	-64.4	-4.6
9/29/2004	16:30:39	50.00	36.404	22.27	19.8	0.98	41	55.05	28.898	7.73	-63.2	-4.5
9/29/2004	17:00:39	50.00	36.403	22.27	19.8	0.97	40	55.08	28.921	7.73	-61.8	-4.6
9/29/2004	17:30:39	50.00	36.403	22.27	19.8	0.98	41	55.12	28.947	7.73	-61.1	-4.7
9/29/2004	18:00:39	50.00	36.403	22.27	19.7	0.97	41	55.10	28.939	7.73	-60.0	-4.6
9/29/2004	18:30:39	50.00	36.403	22.27	20.0	0.98	41	55.10	28.934	7.73	-59.3	-4.7
9/29/2004	19:00:39	50.00	36.403	22.27	19.6	0.96	41	55.07	28.913	7.73	-58.6	-4.7
9/29/2004	19:30:39	50.00	36.403	22.27	19.6	0.96	41	55.01	28.875	7.73	-58.1	-4.6
9/29/2004	20:00:39	50.00	36.403	22.27	19.0	0.94	40	54.96	28.836	7.73	-57.7	-3.7
9/29/2004	20:30:39	50.00	36.403	22.27	20.3	1.00	41	54.94	28.826	7.73	-87.3	-4.5
9/29/2004	21:00:39	50.00	36.403	22.27	22.1	1.09	41	54.91	28.804	7.74	-146.6	-4.7
9/29/2004	21:30:39	50.00	36.404	22.27	24.7	1.22	43	54.94	28.827	7.75	-196.1	-4.6
9/29/2004	22:00:39	50.00	36.404	22.27	26.6	1.31	44	54.98	28.851	7.75	-236.2	-4.7
9/29/2004	22:30:39	50.00	36.404	22.27	26.7	1.32	44	55.03	28.890	7.75	-263.9	-4.7
9/29/2004	23:00:39	50.00	36.404	22.27	26.6	1.31	44	55.11	28.945	7.75	-274.8	-4.7
9/29/2004	23:30:39	50.00	36.404	22.27	25.7	1.27	43	55.18	29.000	7.75	-285.0	-4.6
9/29/2004	0:00:39	50.00	36.404	22.27	25.3	1.25	43	55.23	29.035	7.75	-268.5	-4.7
9/29/2004	0:30:39	50.00	36.404	22.27	23.8	1.17	42	55.27	29.062	7.75	-233.4	-4.7
9/29/2004	1:00:39	50.00	36.403	22.27	22.8	1.12	42	55.28	29.070	7.74	-185.1	-4.5
9/29/2004	1:30:39	50.00	36.403	22.27	21.6	1.07	42	55.26	29.051	7.73	-134.1	-4.6
9/30/2004	2:00:39	50.00	36.403	22.27	20.6	1.01	41	55.23	29.036	7.73	-90.5	-4.7
9/30/2004	2:30:39	50.00	36.403	22.27	20.2	0.99	41	55.19	29.002	7.73	-77.0	-4.7
9/30/2004	3:00:39	50.00	36.403	22.27	20.0	0.99	41	55.15	28.975	7.73	-71.8	-4.6
9/30/2004	3:30:39	50.00	36.404	22.27	19.5	0.96	40	55.14	28.971	7.73	-68.9	-4.6
9/30/2004	4:00:39	50.00	36.403	22.27	19.5	0.96	41	55.12	28.954	7.73	-66.5	-4.3
9/30/2004	4:30:39	50.00	36.403	22.27	19.3	0.95	40	55.11	28.944	7.73	-65.0	-4.6
9/30/2004	5:00:39	50.00	36.403	22.27	19.4	0.95	40	55.11	28.949	7.73	-64.2	-4.4
9/30/2004	5:30:39	50.00	36.404	22.27	19.1	0.94	40	55.12	28.952	7.73	-62.4	-4.1
9/30/2004	6:00:39	50.00	36.403	22.27	18.4	0.91	40	55.12	28.953	7.72	-61.7	-4.3
9/30/2004	6:30:39	50.00	36.403	22.27	18.3	0.90	40	55.08	28.929	7.72	-60.5	-4.6
9/30/2004	7:00:39	50.00	36.403	22.27	17.1	0.84	39	55.05	28.907	7.71	-60.4	-4.6
9/30/2004	7:30:39	50.00	36.403	22.27	19.3	0.95	40	55.00	28.869	7.73	-58.5	-4.7
9/30/2004	8:00:39	50.00	36.403	22.27	18.9	0.93	40	54.94	28.828	7.73	-58.8	-4.6
9/30/2004	8:30:39	50.00	36.403	22.27	20.6	1.01	41	54.88	28.785	7.73	-91.5	-4.7
9/30/2004	9:00:39	50.00	36.403	22.27	21.9	1.08	42	54.86	28.769	7.74	-152.7	-4.6
9/30/2004	9:30:39	50.00	36.404	22.27	25.5	1.26	43	54.84	28.755	7.75	-206.7	-4.7
9/30/2004	10:00:39	50.00	36.403	22.27	25.9	1.28	43	54.88	28.784	7.75	-244.4	-4.7
9/30/2004	10:30:39	50.00	36.403	22.27	26.0	1.28	43	54.93	28.823	7.75	-273.4	-4.7
9/30/2004	11:00:39	50.00	36.404	22.27	25.8	1.27	43	55.01	28.876	7.75	-298.6	-4.7
9/30/2004	11:30:39	50.00	36.404	22.27	26.7	1.31	44	55.10	28.946	7.75	-303.6	-4.7
9/30/2004	12:00:39	50.00	36.404	22.27	25.7	1.27	43	55.21	29.025	7.75	-289.0	-4.7
9/30/2004	12:30:39	50.00	36.404	22.27	24.2	1.19	43	55.31	29.092	7.75	-246.8	-4.7
9/30/2004	13:00:39	50.00	36.403	22.27	22.9	1.13	42	55.37	29.140	7.75	-192.6	-4.7
9/30/2004	13:30:39	50.00	36.403	22.27	21.6	1.06	41	55.42	29.173	7.74	-138.6	-4.7
10/1/2004	14:00:39	50.00	36.403	22.27	20.3	1.00	41	55.43	29.182	7.73	-92.3	-4.7
10/1/2004	14:30:39	50.00	36.403	22.27	19.5	0.96	40	55.43	29.183	7.73	-78.5	-4.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/1/2004	15:00:39	50.00	36.403	22.27	19.8	0.98	40	55.43	29.179	7.73	-73.3	-4.7
10/1/2004	15:30:39	50.00	36.403	22.27	19.3	0.95	40	55.41	29.168	7.73	-70.0	-4.7
10/1/2004	16:00:39	50.00	36.403	22.27	19.4	0.96	41	55.39	29.149	7.73	-67.3	-4.6
10/1/2004	16:30:39	50.00	36.403	22.27	18.7	0.92	40	55.37	29.141	7.72	-65.7	-4.6
10/1/2004	17:00:39	50.00	36.403	22.27	18.2	0.90	40	55.34	29.118	7.72	-64.0	-4.3
10/1/2004	17:30:39	50.00	36.403	22.27	18.3	0.90	40	55.33	29.110	7.72	-62.3	-4.6
10/1/2004	18:00:39	50.00	36.403	22.27	19.4	0.96	41	55.29	29.079	7.73	-61.2	-4.6
10/1/2004	18:30:39	50.00	36.403	22.27	19.4	0.96	41	55.24	29.047	7.73	-60.0	-4.7
10/1/2004	19:00:39	50.00	36.403	22.27	19.2	0.95	41	55.17	28.999	7.73	-59.7	-4.7
10/1/2004	19:30:39	50.00	36.403	22.27	18.8	0.93	41	55.10	28.947	7.72	-59.5	-4.7
10/1/2004	20:00:39	50.00	36.403	22.27	19.1	0.94	41	55.02	28.890	7.72	-58.9	-4.6
10/1/2004	20:30:39	50.00	36.403	22.27	20.5	1.01	41	54.94	28.833	7.73	-98.3	-4.7
10/1/2004	21:00:39	50.00	36.403	22.26	22.7	1.12	42	54.87	28.780	7.74	-175.9	-4.7
10/1/2004	21:30:39	50.00	36.403	22.26	26.2	1.29	44	54.84	28.761	7.76	-243.4	-4.7
10/1/2004	22:00:39	50.00	36.403	22.26	25.0	1.23	44	54.84	28.758	7.75	-217.1	-4.7
10/1/2004	22:30:39	50.00	36.403	22.27	25.9	1.28	44	54.88	28.787	7.76	-334.5	-4.6
10/1/2004	23:00:39	50.00	36.404	22.27	26.4	1.30	44	54.93	28.828	7.75	-350.8	-4.7
10/1/2004	23:30:39	50.00	36.404	22.27	27.7	1.36	45	55.02	28.892	7.76	-248.0	-4.7
10/1/2004	0:00:39	50.00	36.404	22.27	26.3	1.30	44	55.14	28.974	7.76	-335.2	-4.7
10/1/2004	0:30:39	50.00	36.404	22.27	24.1	1.19	43	55.25	29.054	7.75	-274.8	-4.5
10/1/2004	1:00:39	50.00	36.404	22.27	23.3	1.15	43	55.34	29.120	7.75	-214.3	-4.7
10/1/2004	1:30:39	50.00	36.403	22.27	21.7	1.07	42	55.41	29.169	7.73	-132.5	-4.7
10/2/2004	2:00:39	50.00	36.404	22.27	20.3	1.00	41	55.46	29.203	7.73	-94.1	-4.6
10/2/2004	2:30:39	50.00	36.403	22.27	19.5	0.96	41	55.46	29.207	7.72	-79.7	-4.6
10/2/2004	3:00:39	50.00	36.403	22.27	19.2	0.94	40	55.48	29.218	7.72	-74.7	-4.3
10/2/2004	3:30:39	50.00	36.403	22.27	18.4	0.91	40	55.47	29.215	7.72	-71.2	-3.6
10/2/2004	4:00:39	50.00	36.403	22.27	18.1	0.89	40	55.45	29.198	7.71	-68.2	-4.6
10/2/2004	4:30:39	50.00	36.403	22.27	19.4	0.95	41	55.42	29.174	7.73	-66.1	-4.7
10/2/2004	5:00:39	50.00	36.403	22.27	18.8	0.93	40	55.39	29.154	7.72	-65.0	-4.7
10/2/2004	5:30:39	50.00	36.403	22.27	18.2	0.90	40	55.35	29.130	7.72	-63.1	-4.6
10/2/2004	6:00:39	50.00	36.403	22.27	17.5	0.86	40	55.31	29.101	7.71	-62.0	-4.7
10/2/2004	6:30:39	50.00	36.403	22.27	18.7	0.92	40	55.25	29.060	7.72	-60.7	-4.7
10/2/2004	7:00:39	50.00	36.403	22.27	18.6	0.92	40	55.20	29.019	7.72	-60.6	-4.6
10/2/2004	7:30:39	50.00	36.403	22.27	19.1	0.94	41	55.12	28.965	7.72	-60.2	-4.4
10/2/2004	8:00:39	50.00	36.403	22.27	18.9	0.93	40	55.03	28.900	7.72	-59.9	-4.7
10/2/2004	8:30:39	50.00	36.403	22.27	20.3	1.00	41	54.94	28.838	7.73	-106.6	-4.7
10/2/2004	9:00:39	50.00	36.403	22.27	23.0	1.13	42	54.88	28.790	7.74	-211.4	-4.7
10/2/2004	9:30:39	50.00	36.404	22.27	25.6	1.26	44	54.81	28.745	7.75	-256.0	-4.4
10/2/2004	10:00:39	50.00	36.404	22.27	25.3	1.25	43	54.78	28.717	7.74	-224.6	-4.7
10/2/2004	10:30:39	50.00	36.404	22.27	25.6	1.26	43	54.79	28.729	7.75	-318.4	-4.7
10/2/2004	11:00:39	50.00	36.405	22.27	26.9	1.33	44	54.83	28.753	7.76	-390.4	-4.6
10/2/2004	11:30:39	50.00	36.404	22.27	26.0	1.28	44	54.87	28.789	7.75	-361.7	-4.7
10/2/2004	12:00:39	50.00	36.405	22.27	24.6	1.21	43	54.99	28.873	7.75	-284.2	-4.7
10/2/2004	12:30:39	50.00	36.404	22.27	24.3	1.20	43	55.10	28.954	7.75	-256.8	-4.7
10/2/2004	13:00:39	50.00	36.404	22.27	22.7	1.12	42	55.22	29.036	7.74	-170.2	-4.8
10/2/2004	13:30:39	50.00	36.403	22.27	21.4	1.05	42	55.31	29.099	7.73	-123.1	-4.8
10/3/2004	14:00:39	50.00	36.403	22.27	20.5	1.01	41	55.41	29.172	7.73	-90.5	-4.7
10/3/2004	14:30:39	50.00	36.403	22.27	19.8	0.98	41	55.46	29.210	7.73	-78.4	-4.7
10/3/2004	15:00:39	50.00	36.403	22.27	19.6	0.96	41	55.52	29.251	7.73	-73.4	-4.7
10/3/2004	15:30:39	50.00	36.403	22.27	19.0	0.94	40	55.54	29.264	7.72	-70.1	-4.7
10/3/2004	16:00:39	50.00	36.403	22.27	18.8	0.92	40	55.53	29.258	7.72	-67.5	-4.8
10/3/2004	16:30:39	50.00	36.403	22.27	18.3	0.90	40	55.51	29.247	7.72	-65.4	-4.7
10/3/2004	17:00:39	50.00	36.403	22.27	17.7	0.87	40	55.47	29.218	7.71	-64.6	-4.7
10/3/2004	17:30:39	50.00	36.403	22.27	17.1	0.84	39	55.42	29.181	7.71	-62.9	-4.8
10/3/2004	18:00:39	50.00	36.403	22.27	16.5	0.81	39	55.37	29.147	7.70	-62.2	-4.7
10/3/2004	18:30:39	50.00	36.404	22.27	18.5	0.91	40	55.31	29.105	7.72	-61.1	-4.7
10/3/2004	19:00:39	50.00	36.403	22.27	18.5	0.91	40	55.23	29.047	7.72	-60.0	-4.7
10/3/2004	19:30:39	50.00	36.403	22.27	18.1	0.89	40	55.18	29.008	7.72	-59.2	-4.8
10/3/2004	20:00:39	50.00	36.403	22.27	18.2	0.90	40	55.08	28.938	7.72	-58.8	-4.7
10/3/2004	20:30:39	50.00	36.404	22.27	18.4	0.91	40	54.99	28.873	7.72	-102.7	-4.8
10/3/2004	21:00:39	50.00	36.404	22.27	21.0	1.03	41	54.89	28.805	7.72	-189.9	-4.8
10/3/2004	21:30:39	50.00	36.404	22.27	23.2	1.14	43	54.82	28.753	7.74	-248.0	-4.8
10/3/2004	22:00:39	50.00	36.404	22.27	25.4	1.25	44	54.75	28.705	7.75	-300.1	-2.0
10/3/2004	22:30:39	50.00	36.404	22.27	25.5	1.26	44	54.75	28.702	7.75	-340.6	-4.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/3/2004	23:00:39	50.00	36.404	22.27	25.7	1.27	44	54.73	28.689	7.75	-362.5	-4.7
10/3/2004	23:30:39	50.00	36.404	22.27	25.2	1.24	43	54.77	28.719	7.75	-371.9	-4.8
10/3/2004	0:00:39	50.00	36.404	22.27	24.4	1.20	43	54.85	28.778	7.74	-233.6	-4.9
10/3/2004	0:30:39	50.00	36.404	22.27	24.2	1.19	43	54.97	28.861	7.74	-284.3	-4.8
10/3/2004	1:00:39	50.00	36.403	22.27	22.9	1.13	42	55.09	28.950	7.74	-214.6	-4.7
10/3/2004	1:30:39	50.00	36.403	22.27	21.3	1.05	41	55.20	29.026	7.73	-126.1	-4.8
10/4/2004	2:00:39	50.00	36.403	22.27	20.4	1.01	41	55.31	29.108	7.73	-89.2	-4.7
10/4/2004	2:30:39	50.00	36.403	22.27	19.6	0.96	41	55.39	29.162	7.73	-76.7	-4.8
10/4/2004	3:00:39	50.00	36.403	22.27	18.6	0.92	40	55.49	29.232	7.72	-70.9	-4.8
10/4/2004	3:30:39	50.00	36.403	22.27	18.9	0.93	40	55.53	29.265	7.72	-67.7	-4.8
10/4/2004	4:00:39	50.00	36.403	22.27	18.6	0.91	40	55.59	29.304	7.72	-65.8	-4.8
10/4/2004	4:30:39	50.00	36.403	22.27	19.0	0.93	40	55.54	29.273	7.72	-63.4	-4.7
10/4/2004	5:00:39	50.00	36.403	22.27	19.1	0.94	41	55.53	29.265	7.73	-61.7	-4.8
10/4/2004	5:30:39	50.00	36.403	22.27	18.8	0.93	41	55.48	29.227	7.72	-60.1	-4.7
10/4/2004	6:00:39	50.00	36.403	22.27	18.9	0.93	40	55.45	29.209	7.72	-59.8	-4.7
10/4/2004	6:30:39	50.00	36.403	22.27	19.4	0.96	41	55.43	29.189	7.73	-58.5	-4.6
10/4/2004	7:00:39	50.00	36.403	22.27	19.1	0.94	41	55.31	29.107	7.72	-57.3	-4.8
10/4/2004	7:30:39	50.00	36.403	22.26	19.8	0.98	41	55.25	29.066	7.73	-56.9	-4.8
10/4/2004	8:00:39	50.00	36.403	22.26	19.6	0.97	41	55.21	29.033	7.73	-56.7	-4.7
10/4/2004	8:30:39	50.00	36.403	22.26	20.3	1.00	41	55.14	28.981	7.73	-93.7	-4.8
10/4/2004	9:00:39	50.00	36.403	22.26	21.9	1.08	43	55.02	28.896	7.73	-160.0	-4.8
10/4/2004	9:30:39	50.00	36.403	22.27	24.3	1.20	43	54.97	28.864	7.74	-240.7	-4.8
10/4/2004	10:00:39	50.00	36.404	22.27	25.3	1.25	44	54.85	28.779	7.75	-285.7	-4.8
10/4/2004	10:30:39	50.00	36.404	22.27	25.9	1.27	44	54.80	28.742	7.75	-328.3	-4.8
10/4/2004	11:00:39	50.00	36.404	22.27	25.8	1.27	44	54.83	28.763	7.74	-344.5	-4.7
10/4/2004	11:30:39	50.00	36.404	22.27	25.4	1.25	44	54.80	28.739	7.74	-335.6	-4.8
10/4/2004	12:00:39	50.00	36.404	22.27	24.8	1.22	44	54.80	28.743	7.74	-303.1	-4.8
10/4/2004	12:30:39	50.00	36.403	22.27	24.1	1.19	44	54.90	28.816	7.74	-256.3	-4.9
10/4/2004	13:00:39	50.00	36.404	22.27	22.9	1.13	43	54.99	28.879	7.74	-182.1	-4.8
10/4/2004	13:30:39	50.00	36.403	22.27	21.6	1.06	42	55.12	28.974	7.73	-136.4	-4.8
10/5/2004	14:00:39	50.00	36.403	22.27	20.3	1.00	41	55.20	29.032	7.73	-90.9	-4.9
10/5/2004	14:30:39	50.00	36.403	22.27	19.5	0.96	41	55.31	29.108	7.72	-77.3	-4.8
10/5/2004	15:00:39	50.00	36.403	22.27	19.2	0.95	41	55.39	29.168	7.72	-71.8	-4.8
10/5/2004	15:30:39	50.00	36.403	22.27	19.6	0.96	41	55.47	29.221	7.73	-68.6	-4.7
10/5/2004	16:00:39	50.00	36.403	22.27	19.6	0.96	41	55.50	29.244	7.73	-66.4	-4.7
10/5/2004	16:30:39	50.00	36.403	22.26	19.6	0.96	41	55.51	29.254	7.73	-64.5	-4.9
10/5/2004	17:00:39	50.00	36.403	22.26	19.9	0.98	41	55.50	29.241	7.73	-62.2	-4.8
10/5/2004	17:30:39	50.00	36.403	22.26	19.8	0.97	41	55.44	29.202	7.73	-61.4	-4.6
10/5/2004	18:00:39	50.00	36.403	22.26	18.8	0.93	41	55.36	29.142	7.72	-60.3	-4.8
10/5/2004	18:30:39	50.00	36.403	22.26	19.1	0.94	41	55.37	29.149	7.72	-59.2	-4.7
10/5/2004	19:00:39	50.00	36.403	22.26	20.1	0.99	41	55.34	29.127	7.73	-58.8	30.8
10/5/2004	19:30:39	50.00	36.403	22.26	19.8	0.98	41	55.30	29.101	7.73	-57.8	-4.8
10/5/2004	20:00:39	50.00	36.403	22.26	19.7	0.97	41	55.21	29.040	7.73	-58.2	-4.8
10/5/2004	20:30:39	50.00	36.403	22.27	20.6	1.01	42	55.12	28.973	7.73	-94.6	-4.9
10/5/2004	21:00:39	50.00	36.403	22.27	22.0	1.08	42	55.06	28.931	7.74	-176.1	-4.7
10/5/2004	21:30:39	50.00	36.403	22.27	23.9	1.18	43	54.97	28.869	7.74	-211.7	-4.7
10/5/2004	22:00:39	50.00	36.403	22.27	23.0	1.13	43	54.92	28.832	7.74	-182.0	-4.8
10/5/2004	22:30:39	50.00	36.404	22.27	22.6	1.11	43	54.86	28.787	7.74	-166.6	-4.7
10/5/2004	23:00:39	50.00	36.403	22.27	24.1	1.19	43	54.81	28.752	7.74	-228.9	-4.7
10/5/2004	23:30:39	50.00	36.404	22.27	24.5	1.21	44	54.75	28.706	7.74	-229.2	-4.7
10/5/2004	0:00:39	50.00	36.403	22.27	24.4	1.20	43	54.78	28.733	7.74	-253.6	-4.7
10/5/2004	0:30:39	50.00	36.403	22.27	23.5	1.16	43	54.86	28.788	7.74	-206.2	-4.6
10/5/2004	1:00:39	50.00	36.403	22.27	22.7	1.12	43	54.91	28.826	7.74	-169.1	-4.8
10/5/2004	1:30:39	50.00	36.403	22.27	21.4	1.06	42	55.02	28.901	7.73	-123.1	-4.7
10/6/2004	2:00:39	50.00	36.403	22.27	20.4	1.01	42	55.11	28.970	7.73	-85.3	-4.7
10/6/2004	2:30:39	50.00	36.403	22.27	19.3	0.95	41	55.20	29.030	7.72	-74.7	-4.8
10/6/2004	3:00:39	50.00	36.403	22.27	19.5	0.96	41	55.30	29.104	7.72	-70.2	-4.8
10/6/2004	3:30:39	50.00	36.403	22.27	18.6	0.92	40	55.41	29.183	7.71	-67.0	-4.6
10/6/2004	4:00:39	50.00	36.402	22.26	19.3	0.95	41	55.49	29.211	7.72	-66.3	-4.9
10/6/2004	4:30:39	50.00	36.403	22.26	20.4	1.01	41	55.50	29.233	7.73	-63.7	-4.7
10/6/2004	5:00:39	50.00	36.403	22.26	20.2	0.99	41	55.52	29.253	7.73	-62.2	-4.8
10/6/2004	5:30:39	50.00	36.403	22.26	20.0	0.98	41	55.55	29.277	7.73	-61.3	-4.8
10/6/2004	6:00:39	50.00	36.403	22.26	19.3	0.95	41	55.50	29.240	7.72	-60.2	-4.7
10/6/2004	6:30:39	50.00	36.403	22.26	18.4	0.91	40	55.45	29.209	7.71	-59.0	-4.8

Appendix 5
Water Quality Data

West Flower Garden Bank
July 15, 2004 - November 19, 2004

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/6/2004	7:00:39	50.00	36.403	22.26	20.1	0.99	41	55.39	29.164	7.73	-58.4	-4.8
10/6/2004	7:30:39	50.00	36.403	22.26	19.9	0.98	41	55.34	29.132	7.73	-57.8	-4.8
10/6/2004	8:00:39	50.00	36.403	22.26	20.1	0.99	41	55.25	29.064	7.73	-57.1	-4.9
10/6/2004	8:30:39	50.00	36.403	22.26	20.6	1.01	42	55.24	29.062	7.73	-86.4	-4.9
10/6/2004	9:00:39	50.00	36.402	22.26	21.5	1.06	42	55.20	29.027	7.73	-131.7	-4.7
10/6/2004	9:30:39	50.00	36.402	22.26	22.8	1.12	42	55.10	28.961	7.73	-159.8	-4.7
10/6/2004	10:00:39	50.00	36.402	22.26	22.2	1.09	42	55.06	28.927	7.73	-129.0	-4.7
10/6/2004	10:30:39	50.00	36.403	22.26	21.0	1.03	42	54.97	28.868	7.73	-91.6	-4.8
10/6/2004	11:00:39	50.00	36.402	22.26	21.6	1.06	42	54.86	28.787	7.74	-121.4	-4.9
10/6/2004	11:30:39	50.00	36.403	22.26	22.3	1.10	42	54.82	28.757	7.74	-148.1	-4.8
10/6/2004	12:00:39	50.00	36.403	22.26	22.5	1.11	42	54.79	28.736	7.74	-147.2	-4.8
10/6/2004	12:30:39	50.00	36.403	22.26	22.2	1.09	43	54.84	28.778	7.74	-144.3	-4.8
10/6/2004	13:00:39	50.00	36.403	22.26	21.9	1.08	42	54.82	28.759	7.74	-130.6	-4.9
10/6/2004	13:30:39	50.00	36.402	22.26	21.4	1.05	42	54.94	28.845	7.73	-97.8	-4.8
10/7/2004	14:00:39	50.00	36.402	22.26	20.7	1.02	41	55.01	28.895	7.73	-75.9	-4.6
10/7/2004	14:30:39	50.00	36.402	22.26	19.5	0.96	41	55.17	29.013	7.72	-68.7	-4.8
10/7/2004	15:00:39	50.00	36.402	22.26	18.7	0.92	41	55.24	29.064	7.72	-65.7	-4.7
10/7/2004	15:30:39	50.00	36.402	22.26	18.1	0.89	40	55.29	29.103	7.71	-63.0	-4.8
10/7/2004	16:00:39	50.00	36.402	22.26	19.8	0.98	41	55.38	29.162	7.73	-61.8	-4.7
10/7/2004	16:30:39	50.00	36.402	22.26	20.0	0.98	41	55.47	29.227	7.73	-60.8	-4.9
10/7/2004	17:00:39	50.00	36.402	22.26	20.0	0.99	41	55.46	29.223	7.73	-59.3	-4.7
10/7/2004	17:30:39	50.00	36.401	22.26	20.5	1.01	41	55.55	29.289	7.73	-57.4	-4.8
10/7/2004	18:00:39	50.00	36.401	22.26	20.1	0.99	41	55.42	29.191	7.73	-56.9	-4.8
10/7/2004	18:30:39	50.00	36.401	22.26	20.3	1.00	41	55.40	29.181	7.73	-56.6	-4.9
10/7/2004	19:00:39	50.00	36.401	22.26	20.1	0.99	41	55.37	29.159	7.73	-56.5	-4.6
10/7/2004	19:30:39	50.00	36.402	22.26	20.1	0.99	41	55.35	29.148	7.73	-56.3	-4.8
10/7/2004	20:00:39	50.00	36.401	22.26	20.1	0.99	41	55.21	29.042	7.73	-56.0	-4.9
10/7/2004	20:30:39	50.00	36.402	22.26	20.4	1.00	41	55.27	29.086	7.74	-67.9	-4.7
10/7/2004	21:00:39	50.00	36.402	22.26	20.5	1.01	41	55.22	29.048	7.73	-63.8	-4.8
10/7/2004	21:30:39	50.00	36.402	22.26	21.1	1.04	42	55.18	29.024	7.73	-96.3	-4.8
10/7/2004	22:00:39	50.00	36.402	22.26	21.7	1.07	42	55.07	28.943	7.74	-119.6	-4.8
10/7/2004	22:30:39	50.00	36.402	22.26	22.1	1.09	42	55.03	28.917	7.74	-122.5	-4.8
10/7/2004	23:00:39	50.00	36.402	22.26	22.1	1.09	42	54.96	28.866	7.74	-128.4	-4.9
10/7/2004	23:30:39	50.00	36.402	22.26	21.5	1.06	42	54.86	28.794	7.74	-111.1	-4.7
10/7/2004	0:00:39	50.00	36.402	22.26	21.8	1.07	42	54.84	28.784	7.73	-118.2	-3.3
10/7/2004	0:30:39	50.00	36.401	22.26	21.5	1.06	42	54.83	28.776	7.74	-107.1	-4.7
10/7/2004	1:00:39	50.00	36.402	22.26	21.2	1.04	42	54.85	28.790	7.73	-97.1	-4.8
10/7/2004	1:30:39	50.00	36.401	22.26	20.7	1.02	42	54.90	28.820	7.72	-79.6	-4.7
10/8/2004	2:00:39	50.00	36.401	22.26	19.9	0.98	41	54.99	28.884	7.72	-67.5	1273.4
10/8/2004	2:30:39	50.00	36.401	22.26	19.1	0.94	41	55.09	28.959	7.72	-63.5	-2.2
10/8/2004	3:00:39	50.00	36.401	22.26	18.8	0.93	41	55.15	29.007	7.72	-61.7	-3.1
10/8/2004	3:30:39	50.00	36.401	22.26	18.8	0.92	41	55.35	29.145	7.72	-61.2	-3.1
10/8/2004	4:00:39	50.00	36.401	22.26	20.4	1.00	41	55.44	29.209	7.73	-59.9	-4.5
10/8/2004	4:30:39	50.00	36.400	22.26	20.7	1.02	42	55.46	29.227	7.73	-59.1	-4.3
10/8/2004	5:00:39	50.00	36.399	22.26	20.9	1.03	41	55.74	29.422	7.73	-57.5	-3.6
10/8/2004	5:30:39	50.00	36.399	22.26	20.5	1.01	41	55.58	29.309	7.73	-57.5	-4.8
10/8/2004	6:00:39	50.00	36.398	22.26	20.9	1.03	42	55.62	29.341	7.72	-56.1	-4.7
10/8/2004	6:30:39	50.00	36.397	22.26	20.6	1.01	41	55.46	29.230	7.72	-55.6	-4.6
10/8/2004	7:00:39	50.00	36.397	22.26	20.2	1.00	41	55.47	29.238	7.72	-56.4	-4.8
10/8/2004	7:30:39	50.00	36.399	22.26	20.0	0.99	41	55.50	29.256	7.73	-57.3	-3.7
10/8/2004	8:00:39	50.00	36.400	22.26	20.0	0.99	41	55.34	29.139	7.73	-56.7	-4.2
10/8/2004	8:30:39	50.00	36.401	22.26	20.0	0.99	41	55.33	29.136	7.73	-58.9	-4.8
10/8/2004	9:00:39	50.00	36.401	22.26	20.1	0.99	41	55.34	29.146	7.73	-62.8	-3.8
10/8/2004	9:30:39	50.00	36.401	22.26	20.4	1.01	41	55.30	29.113	7.73	-79.9	-4.8
10/8/2004	10:00:39	50.00	36.401	22.26	20.8	1.03	41	55.25	29.078	7.73	-96.3	-4.6
10/8/2004	10:30:39	50.00	36.401	22.26	20.9	1.03	42	55.16	29.012	7.73	-85.6	27.4
10/8/2004	11:00:39	50.00	36.401	22.26	20.5	1.01	41	55.09	28.967	7.73	-81.6	-4.8
10/8/2004	11:30:39	50.00	36.401	22.26	21.2	1.04	42	55.00	28.899	7.73	-114.1	-4.8
10/8/2004	12:00:39	50.00	36.401	22.26	21.0	1.03	42	54.99	28.894	7.73	-101.6	-4.6
10/8/2004	12:30:39	50.00	36.401	22.26	20.0	0.98	41	54.89	28.821	7.72	-75.9	-4.9
10/8/2004	13:00:39	50.00	36.401	22.26	20.3	1.00	41	54.82	28.771	7.73	-78.8	-4.4
10/8/2004	13:30:39	50.00	36.401	22.26	20.0	0.99	41	54.82	28.769	7.73	-70.8	-4.8
10/9/2004	14:00:39	50.00	36.401	22.26	19.5	0.96	41	54.87	28.806	7.72	-64.8	-4.3
10/9/2004	14:30:39	50.00	36.401	22.26	19.6	0.96	41	55.04	28.931	7.73	-61.3	-4.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/9/2004	15:00:39	50.00	36.401	22.26	19.2	0.95	41	55.04	28.930	7.72	-60.5	-4.9
10/9/2004	15:30:39	50.00	36.401	22.26	19.6	0.97	41	55.18	29.028	7.73	-59.3	-4.4
10/9/2004	16:00:39	50.00	36.400	22.26	19.4	0.96	41	55.16	29.017	7.72	-58.5	-4.4
10/9/2004	16:30:39	50.00	36.401	22.26	19.7	0.97	41	55.29	29.107	7.73	-58.0	-3.5
10/9/2004	17:00:39	50.00	36.401	22.26	19.9	0.98	41	55.30	29.117	7.73	-57.2	-4.1
10/9/2004	17:30:39	50.00	36.399	22.26	20.3	1.00	41	55.27	29.095	7.73	-56.6	-4.0
10/9/2004	18:00:39	50.00	36.399	22.26	20.3	1.00	41	55.52	29.276	7.73	-56.1	-4.8
10/9/2004	18:30:39	50.00	36.399	22.26	20.2	1.00	41	55.57	29.313	7.73	-55.8	-4.4
10/9/2004	19:00:39	50.00	36.399	22.26	20.3	1.00	41	55.47	29.238	7.73	-56.1	-4.6
10/9/2004	19:30:39	50.00	36.399	22.26	20.1	0.99	41	55.24	29.073	7.73	-56.0	-3.9
10/9/2004	20:00:39	50.00	36.400	22.26	19.9	0.98	41	55.48	29.248	7.73	-56.4	-4.7
10/9/2004	20:30:39	50.00	36.400	22.26	20.9	1.03	41	56.24	29.794	7.73	-103.8	-4.1
10/9/2004	21:00:39	50.00	36.400	22.26	21.9	1.08	42	55.49	29.256	7.73	-113.0	-2.9
10/9/2004	21:30:39	50.00	36.400	22.26	22.8	1.12	42	55.17	29.023	7.73	-145.2	-2.9
10/9/2004	22:00:39	50.00	36.400	22.26	24.4	1.20	43	55.24	29.072	7.74	-210.1	-4.7
10/9/2004	22:30:39	50.00	36.401	22.26	24.9	1.23	44	55.21	29.053	7.74	-207.3	-4.8
10/9/2004	23:00:39	50.00	36.400	22.26	24.6	1.21	43	55.10	28.975	7.74	-220.8	-4.7
10/9/2004	23:30:39	50.00	36.400	22.26	25.2	1.24	44	55.21	29.057	7.74	-292.9	-4.7
10/9/2004	0:00:39	50.00	36.400	22.26	24.6	1.21	44	55.06	28.946	7.74	-202.1	-4.8
10/9/2004	0:30:39	50.00	36.400	22.26	23.5	1.16	43	54.90	28.829	7.74	-186.9	-4.8
10/9/2004	1:00:39	50.00	36.401	22.26	22.6	1.11	42	54.93	28.851	7.73	-146.6	-4.8
10/9/2004	1:30:39	50.00	36.400	22.26	21.5	1.06	42	54.92	28.844	7.73	-105.8	-3.7
10/10/2004	2:00:39	50.00	36.400	22.26	20.7	1.02	42	54.96	28.871	7.73	-82.3	-4.8
10/10/2004	2:30:39	50.00	36.400	22.26	20.4	1.01	41	54.89	28.824	7.73	-75.0	-4.8
10/10/2004	3:00:39	50.00	36.400	22.26	20.1	0.99	41	55.02	28.915	7.73	-72.1	-4.8
10/10/2004	3:30:39	50.00	36.399	22.26	20.1	0.99	41	55.14	29.006	7.73	-70.1	-4.9
10/10/2004	4:00:39	50.00	36.400	22.26	19.7	0.97	41	55.14	29.002	7.73	-68.1	-4.7
10/10/2004	4:30:39	50.00	36.400	22.26	19.6	0.97	41	55.34	29.146	7.73	-66.6	-4.8
10/10/2004	5:00:39	50.00	36.400	22.26	19.8	0.97	41	55.34	29.148	7.73	-65.2	-4.5
10/10/2004	5:30:39	50.00	36.400	22.26	19.9	0.98	41	55.42	29.207	7.73	-64.7	-4.7
10/10/2004	6:00:39	50.00	36.399	22.26	19.9	0.98	41	55.36	29.159	7.73	-63.7	-4.3
10/10/2004	6:30:39	50.00	36.399	22.26	20.2	0.99	41	55.37	29.166	7.73	-63.0	-4.9
10/10/2004	7:00:39	50.00	36.399	22.26	20.1	0.99	41	55.38	29.180	7.73	-62.3	-4.8
10/10/2004	7:30:39	50.00	36.399	22.26	19.9	0.98	41	55.32	29.131	7.73	-62.2	-4.8
10/10/2004	8:00:39	50.00	36.399	22.26	19.7	0.97	41	55.30	29.117	7.73	-61.7	-4.7
10/10/2004	8:30:39	50.00	36.399	22.26	20.1	0.99	41	55.26	29.091	7.73	-75.6	-4.6
10/10/2004	9:00:39	50.00	36.399	22.26	21.3	1.05	42	55.31	29.125	7.73	-122.0	-4.9
10/10/2004	9:30:39	50.00	36.399	22.26	22.3	1.10	42	55.31	29.130	7.74	-137.1	-4.8
10/10/2004	10:00:39	50.00	36.399	22.26	23.8	1.17	43	55.23	29.068	7.74	-175.7	-4.8
10/10/2004	10:30:39	50.00	36.399	22.26	23.9	1.18	43	55.25	29.082	7.74	-179.6	-4.6
10/10/2004	11:00:39	50.00	36.399	22.26	24.8	1.22	43	55.21	29.054	7.74	-204.8	-4.7
10/10/2004	11:30:39	50.00	36.399	22.26	25.7	1.27	44	55.13	28.997	7.75	-285.9	-3.3
10/10/2004	12:00:39	50.00	36.400	22.26	24.4	1.20	43	55.05	28.943	7.74	-217.6	-4.8
10/10/2004	12:30:39	50.00	36.399	22.26	23.2	1.15	43	54.95	28.871	7.73	-152.2	-4.3
10/10/2004	13:00:39	50.00	36.400	22.26	22.2	1.09	42	54.96	28.878	7.73	-125.2	-4.4
10/10/2004	13:30:39	50.00	36.399	22.26	20.9	1.03	42	54.94	28.865	7.73	-100.9	-4.7
10/11/2004	14:00:39	50.00	36.399	22.26	20.3	1.00	41	54.95	28.867	7.73	-81.5	-4.7
10/11/2004	14:30:39	50.00	36.399	22.26	19.9	0.98	41	54.93	28.855	7.73	-75.4	-4.8
10/11/2004	15:00:39	50.00	36.400	22.26	19.9	0.98	41	55.00	28.902	7.73	-72.1	-4.8
10/11/2004	15:30:39	50.00	36.399	22.26	19.5	0.96	41	55.09	28.968	7.73	-69.9	-4.7
10/11/2004	16:00:39	50.00	36.399	22.26	19.5	0.96	41	55.20	29.048	7.73	-68.0	-4.4
10/11/2004	16:30:39	50.00	36.399	22.26	19.6	0.97	41	55.21	29.057	7.73	-66.8	-4.4
10/11/2004	17:00:39	50.00	36.399	22.26	19.4	0.96	41	55.29	29.112	7.73	-65.7	-3.6
10/11/2004	17:30:39	50.00	36.399	22.26	19.5	0.96	41	55.36	29.164	7.73	-64.5	-4.7
10/11/2004	18:00:39	50.00	36.399	22.26	19.3	0.95	41	55.37	29.171	7.73	-64.0	-4.4
10/11/2004	18:30:39	50.00	36.399	22.26	19.5	0.96	41	55.41	29.202	7.73	-63.1	-4.7
10/11/2004	19:00:39	50.00	36.399	22.26	19.3	0.95	41	55.38	29.178	7.73	-62.7	-4.7
10/11/2004	19:30:39	50.00	36.399	22.26	19.4	0.95	41	55.36	29.166	7.73	-62.0	-3.9
10/11/2004	20:00:39	50.00	36.399	22.26	19.2	0.95	41	55.35	29.156	7.73	-61.7	-4.7
10/11/2004	20:30:39	50.00	36.399	22.26	20.7	1.02	42	55.35	29.156	7.73	-84.9	-4.4
10/11/2004	21:00:39	50.00	36.399	22.26	23.0	1.13	42	55.30	29.125	7.74	-142.1	-4.6
10/11/2004	21:30:39	50.00	36.399	22.26	25.1	1.24	44	55.25	29.089	7.74	-186.4	-4.3
10/11/2004	22:00:39	50.00	36.399	22.26	26.0	1.28	44	55.32	29.135	7.75	-228.7	-4.6
10/11/2004	22:30:39	50.00	36.399	22.26	27.0	1.33	45	55.38	29.182	7.74	-254.6	-4.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/11/2004	23:00:39	50.00	36.399	22.26	26.9	1.33	45	55.29	29.117	7.75	-274.5	-4.6
10/11/2004	23:30:39	50.00	36.399	22.26	26.2	1.29	44	55.24	29.081	7.74	-274.5	-4.6
10/11/2004	0:00:39	50.00	36.399	22.26	25.2	1.24	44	55.25	29.090	7.74	-253.8	-4.4
10/11/2004	0:30:39	50.00	36.399	22.26	24.0	1.18	43	55.18	29.037	7.74	-216.4	-4.5
10/11/2004	1:00:39	50.00	36.399	22.26	23.1	1.14	42	55.07	28.960	7.74	-170.0	-4.6
10/11/2004	1:30:39	50.00	36.399	22.26	21.8	1.07	42	55.05	28.944	7.73	-123.2	-4.7
10/12/2004	2:00:39	50.00	36.399	22.26	20.3	1.00	41	54.99	28.900	7.73	-88.7	-4.6
10/12/2004	2:30:39	50.00	36.399	22.26	19.5	0.96	41	55.01	28.911	7.73	-79.8	-4.6
10/12/2004	3:00:39	50.00	36.399	22.26	19.6	0.97	41	55.02	28.919	7.73	-71.7	-4.7
10/12/2004	3:30:39	50.00	36.399	22.26	19.5	0.96	41	55.09	28.969	7.73	-71.1	-4.6
10/12/2004	4:00:39	50.00	36.399	22.26	19.5	0.96	41	55.14	29.006	7.73	-69.6	-4.7
10/12/2004	4:30:39	50.00	36.399	22.26	19.5	0.96	41	55.20	29.048	7.73	-68.2	-4.6
10/12/2004	5:00:39	50.00	36.399	22.26	19.5	0.96	41	55.23	29.071	7.73	-67.0	-4.7
10/12/2004	5:30:39	50.00	36.399	22.26	19.7	0.97	41	55.25	29.084	7.73	-65.8	-4.7
10/12/2004	6:00:39	50.00	36.399	22.26	19.7	0.97	41	55.21	29.059	7.73	-65.1	-4.7
10/12/2004	6:30:39	50.00	36.399	22.26	20.0	0.98	41	55.19	29.041	7.73	-63.5	-4.7
10/12/2004	7:00:39	50.00	36.399	22.26	19.7	0.97	41	55.15	29.014	7.73	-63.4	-4.7
10/12/2004	7:30:39	50.00	36.399	22.26	19.5	0.96	41	55.13	29.001	7.73	-63.2	-4.7
10/12/2004	8:00:39	50.00	36.399	22.26	19.5	0.96	41	55.11	28.989	7.73	-62.9	-4.6
10/12/2004	8:30:39	50.00	36.399	22.26	20.9	1.03	42	55.13	29.004	7.73	-86.3	-4.7
10/12/2004	9:00:39	50.00	36.399	22.26	22.8	1.13	43	55.12	28.997	7.74	-140.4	-4.7
10/12/2004	9:30:39	50.00	36.399	22.26	25.1	1.24	44	55.18	29.037	7.75	-195.1	-4.7
10/12/2004	10:00:39	50.00	36.399	22.26	26.7	1.31	45	55.23	29.077	7.76	-233.1	-4.7
10/12/2004	10:30:39	50.00	36.399	22.26	26.8	1.32	45	55.26	29.097	7.75	-263.3	-4.7
10/12/2004	11:00:39	50.00	36.399	22.26	27.2	1.34	45	55.30	29.123	7.75	-281.2	-4.6
10/12/2004	11:30:39	50.00	36.399	22.26	26.6	1.31	45	55.33	29.147	7.75	-277.4	-4.7
10/12/2004	12:00:39	50.00	36.399	22.26	25.7	1.27	44	55.30	29.124	7.75	-257.1	-4.6
10/12/2004	12:30:39	50.00	36.399	22.26	24.8	1.22	44	55.29	29.120	7.74	-221.2	-4.6
10/12/2004	13:00:39	50.00	36.399	22.26	23.6	1.16	43	55.23	29.072	7.74	-174.1	-4.6
10/12/2004	13:30:39	50.00	36.399	22.26	22.3	1.10	42	55.21	29.063	7.74	-125.0	-4.6
10/13/2004	14:00:39	50.00	36.399	22.26	20.8	1.02	42	55.16	29.024	7.73	-89.7	-4.8
10/13/2004	14:30:39	50.00	36.399	22.26	19.4	0.95	41	55.17	29.030	7.72	-80.3	-4.4
10/13/2004	15:00:39	50.00	36.399	22.26	19.4	0.96	41	55.16	29.021	7.73	-76.1	-4.7
10/13/2004	15:30:39	50.00	36.399	22.26	19.9	0.98	41	55.20	29.054	7.73	-73.0	-4.6
10/13/2004	16:00:39	50.00	36.399	22.26	19.5	0.96	41	55.23	29.072	7.73	-71.2	-4.6
10/13/2004	16:30:39	50.00	36.399	22.26	19.4	0.96	41	55.28	29.108	7.73	-69.0	-4.6
10/13/2004	17:00:39	50.00	36.399	22.26	19.8	0.98	41	55.33	29.147	7.73	-67.9	-4.6
10/13/2004	17:30:39	50.00	36.399	22.26	19.9	0.98	41	55.34	29.151	7.73	-66.2	-4.5
10/13/2004	18:00:39	50.00	36.398	22.26	20.0	0.99	41	55.32	29.139	7.73	-65.5	-4.5
10/13/2004	18:30:39	50.00	36.398	22.26	19.8	0.97	41	55.28	29.112	7.73	-64.5	-4.4
10/13/2004	19:00:39	50.00	36.397	22.26	19.6	0.97	41	55.23	29.076	7.73	-63.9	-4.6
10/13/2004	19:30:39	50.00	36.398	22.26	19.5	0.96	41	55.19	29.043	7.73	-63.5	-4.6
10/13/2004	20:00:39	50.00	36.399	22.26	19.7	0.97	41	55.13	29.006	7.73	-62.7	-4.6
10/13/2004	20:30:39	50.00	36.399	22.26	20.7	1.02	41	55.12	28.993	7.73	-88.9	-4.6
10/13/2004	21:00:39	50.00	36.399	22.26	23.8	1.17	43	55.12	28.993	7.74	-149.3	-4.7
10/13/2004	21:30:39	50.00	36.399	22.26	25.3	1.25	44	55.16	29.026	7.75	-204.4	-4.6
10/13/2004	22:00:39	50.00	36.399	22.26	27.0	1.33	45	55.20	29.057	7.75	-246.6	-4.7
10/13/2004	22:30:39	50.00	36.399	22.26	27.6	1.36	45	55.25	29.089	7.75	-278.3	-4.6
10/13/2004	23:00:39	50.00	36.399	22.26	27.7	1.36	45	55.31	29.132	7.75	-294.7	-4.7
10/13/2004	23:30:39	50.00	36.399	22.26	26.8	1.32	45	55.34	29.155	7.75	-291.0	-4.7
10/13/2004	0:00:39	50.00	36.399	22.26	25.8	1.27	44	55.36	29.172	7.75	-267.8	-4.6
10/13/2004	0:30:39	50.00	36.399	22.26	24.4	1.20	43	55.38	29.182	7.74	-229.4	-4.7
10/13/2004	1:00:39	50.00	36.399	22.26	23.5	1.16	43	55.34	29.155	7.74	-179.5	-4.7
10/13/2004	1:30:39	50.00	36.399	22.26	21.7	1.07	42	55.29	29.115	7.73	-129.0	-4.7
10/14/2004	2:00:39	50.00	36.399	22.26	20.0	0.99	41	55.27	29.102	7.72	-90.5	-4.7
10/14/2004	2:30:39	50.00	36.401	22.26	19.9	0.98	41	55.22	29.068	7.73	-81.0	-4.7
10/14/2004	3:00:39	50.00	36.401	22.26	19.5	0.96	42	55.19	29.050	7.73	-74.7	-4.9
10/14/2004	3:30:39	50.00	36.401	22.26	19.4	0.96	41	55.19	29.049	7.72	-73.1	-4.8
10/14/2004	4:00:39	50.00	36.401	22.26	19.3	0.95	41	55.20	29.057	7.72	-71.3	-4.9
10/14/2004	4:30:39	50.00	36.401	22.26	19.6	0.97	41	55.22	29.071	7.73	-69.0	-4.7
10/14/2004	5:00:39	50.00	36.401	22.26	19.7	0.97	41	55.25	29.088	7.73	-68.1	-3.2
10/14/2004	5:30:39	50.00	36.401	22.26	19.6	0.97	41	55.25	29.091	7.73	-67.2	-4.9
10/14/2004	6:00:39	50.00	36.401	22.26	19.7	0.97	42	55.21	29.061	7.73	-66.0	-4.9
10/14/2004	6:30:39	50.00	36.400	22.26	19.8	0.98	41	55.17	29.031	7.73	-65.2	-4.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/14/2004	7:00:39	50.00	36.401	22.26	19.5	0.96	41	55.09	28.975	7.73	-64.6	-4.8
10/14/2004	7:30:39	50.00	36.401	22.26	19.6	0.97	41	55.01	28.918	7.73	-64.0	-4.9
10/14/2004	8:00:39	50.00	36.401	22.26	19.5	0.96	41	54.94	28.869	7.73	-63.1	-4.9
10/14/2004	8:30:39	50.00	36.401	22.26	19.2	0.95	41	54.92	28.856	7.73	-63.2	-4.8
10/14/2004	9:00:39	50.00	36.401	22.26	19.7	0.97	41	54.90	28.842	7.73	-69.8	-4.8
10/14/2004	9:30:39	50.00	36.401	22.26	19.8	0.97	41	54.93	28.863	7.73	-67.5	-4.8
10/14/2004	10:00:39	50.00	36.401	22.26	19.5	0.96	41	54.99	28.903	7.73	-74.5	-4.7
10/14/2004	10:30:39	50.00	36.401	22.26	21.6	1.06	42	55.08	28.969	7.73	-136.2	-4.7
10/14/2004	11:00:39	50.00	36.401	22.26	21.1	1.04	42	55.17	29.035	7.73	-105.8	-4.6
10/14/2004	11:30:39	50.00	36.401	22.26	22.7	1.12	43	55.29	29.119	7.74	-146.8	-4.6
10/14/2004	12:00:39	50.00	36.401	22.26	24.4	1.20	44	55.36	29.166	7.74	-192.3	-4.6
10/14/2004	12:30:39	50.00	36.401	22.26	22.9	1.13	42	55.42	29.210	7.73	-127.4	-4.7
10/14/2004	13:00:39	50.00	36.401	22.26	22.0	1.08	43	55.44	29.227	7.73	-113.4	-4.4
10/14/2004	13:30:39	50.00	36.401	22.26	21.2	1.05	42	55.43	29.221	7.73	-104.7	-4.6
10/15/2004	14:00:39	50.00	36.401	22.26	20.7	1.02	41	55.42	29.212	7.73	-78.1	-4.7
10/15/2004	14:30:39	50.00	36.401	22.26	20.2	0.99	42	55.42	29.216	7.73	-71.9	-2.9
10/15/2004	15:00:39	50.00	36.401	22.26	20.2	0.99	41	55.40	29.197	7.73	-68.7	-4.5
10/15/2004	15:30:39	50.00	36.400	22.26	19.9	0.98	42	55.38	29.181	7.73	-66.7	-4.6
10/15/2004	16:00:39	50.00	36.400	22.26	19.5	0.96	41	55.34	29.155	7.73	-65.4	-4.6
10/15/2004	16:30:39	50.00	36.400	22.26	19.6	0.96	42	55.32	29.139	7.73	-64.0	-4.7
10/15/2004	17:00:39	50.00	36.400	22.26	19.7	0.97	41	55.31	29.135	7.73	-62.8	-4.7
10/15/2004	17:30:39	50.00	36.400	22.26	19.7	0.97	42	55.27	29.107	7.73	-62.2	-4.7
10/15/2004	18:00:39	50.00	36.400	22.26	19.9	0.98	41	55.25	29.090	7.73	-61.9	-4.7
10/15/2004	18:30:39	50.00	36.400	22.26	19.7	0.97	42	55.17	29.033	7.73	-61.3	-4.7
10/15/2004	19:00:39	50.00	36.400	22.26	19.7	0.97	41	55.10	28.984	7.73	-61.3	-4.7
10/15/2004	19:30:39	50.00	36.400	22.26	19.6	0.97	41	55.00	28.911	7.73	-60.4	-4.7
10/15/2004	20:00:39	50.00	36.399	22.26	19.4	0.96	41	54.90	28.841	7.73	-60.5	-4.7
10/15/2004	20:30:39	50.00	36.400	22.26	20.6	1.02	41	54.85	28.803	7.73	-83.0	-4.8
10/15/2004	21:00:39	50.00	36.400	22.26	23.9	1.18	44	54.83	28.787	7.74	-140.1	-4.7
10/15/2004	21:30:39	50.00	36.400	22.26	25.1	1.24	44	54.84	28.798	7.74	-191.8	-4.6
10/15/2004	22:00:39	50.00	36.401	22.26	27.0	1.33	45	54.88	28.824	7.74	-234.4	-4.7
10/15/2004	22:30:39	50.00	36.401	22.26	26.8	1.32	45	54.97	28.893	7.74	-262.6	-4.7
10/15/2004	23:00:39	50.00	36.401	22.26	26.8	1.32	45	55.08	28.973	7.74	-272.2	-4.7
10/15/2004	23:30:39	50.00	36.401	22.26	25.9	1.28	45	55.20	29.053	7.74	-267.3	-4.6
10/15/2004	0:00:39	50.00	36.401	22.26	24.8	1.22	44	55.32	29.145	7.74	-246.0	-4.7
10/15/2004	0:30:39	50.00	36.400	22.26	24.0	1.18	44	55.42	29.214	7.74	-215.0	-4.6
10/15/2004	1:00:39	50.00	36.401	22.26	22.9	1.13	43	55.49	29.266	7.74	-168.8	-4.7
10/15/2004	1:30:39	50.00	36.400	22.26	21.8	1.08	42	55.52	29.283	7.73	-121.2	-4.4
10/16/2004	2:00:39	50.00	36.400	22.26	20.5	1.01	42	55.53	29.295	7.73	-87.3	-4.1
10/16/2004	2:30:39	50.00	36.400	22.26	20.3	1.00	42	55.53	29.293	7.73	-78.5	-4.4
10/16/2004	3:00:39	50.00	36.400	22.26	20.1	0.99	42	55.51	29.282	7.73	-74.6	-4.1
10/16/2004	3:30:39	50.00	36.399	22.26	20.1	0.99	42	55.49	29.263	7.73	-71.8	-4.8
10/16/2004	4:00:39	50.00	36.399	22.26	20.3	1.00	41	55.46	29.247	7.74	-69.8	-4.8
10/16/2004	4:30:39	50.00	36.399	22.26	19.9	0.98	41	55.43	29.223	7.73	-68.2	-4.7
10/16/2004	5:00:39	50.00	36.400	22.26	19.9	0.98	41	55.41	29.209	7.73	-66.5	-4.2
10/16/2004	5:30:39	50.00	36.399	22.26	20.1	0.99	41	55.37	29.182	7.74	-65.8	-4.7
10/16/2004	6:00:39	50.00	36.399	22.26	20.1	0.99	42	55.31	29.133	7.73	-64.7	-4.6
10/16/2004	6:30:39	50.00	36.399	22.26	19.7	0.97	42	55.22	29.072	7.73	-63.9	-4.6
10/16/2004	7:00:39	50.00	36.399	22.26	19.6	0.97	41	55.14	29.015	7.73	-63.5	-4.7
10/16/2004	7:30:39	50.00	36.399	22.26	19.7	0.97	41	55.01	28.920	7.73	-62.7	-4.7
10/16/2004	8:00:39	50.00	36.399	22.26	19.9	0.98	42	54.89	28.835	7.73	-62.2	-4.9
10/16/2004	8:30:39	50.00	36.399	22.26	21.0	1.04	42	54.77	28.750	7.74	-85.7	-4.6
10/16/2004	9:00:39	50.00	36.399	22.26	24.1	1.19	44	54.71	28.707	7.74	-143.8	-4.7
10/16/2004	9:30:39	50.00	36.400	22.26	24.9	1.22	44	54.67	28.676	7.75	-200.0	-4.5
10/16/2004	10:00:39	50.00	36.400	22.26	26.5	1.31	44	54.71	28.709	7.75	-249.4	-4.6
10/16/2004	10:30:39	50.00	36.399	22.26	26.8	1.32	45	54.75	28.732	7.75	-273.1	-4.8
10/16/2004	11:00:39	50.00	36.400	22.26	26.2	1.29	45	54.84	28.799	7.74	-285.5	-4.6
10/16/2004	11:30:39	50.00	36.399	22.26	26.2	1.29	45	54.96	28.885	7.74	-279.5	-4.7
10/16/2004	12:00:39	50.00	36.400	22.26	25.5	1.25	45	55.11	28.992	7.74	-260.6	-4.9
10/16/2004	12:30:39	50.00	36.400	22.26	24.5	1.21	44	55.24	29.085	7.74	-227.4	-4.7
10/16/2004	13:00:39	50.00	36.399	22.26	23.2	1.15	43	55.37	29.182	7.74	-172.9	-4.8
10/16/2004	13:30:39	50.00	36.399	22.26	21.9	1.08	43	55.43	29.226	7.73	-119.2	-4.4
10/17/2004	14:00:39	50.00	36.399	22.26	20.4	1.01	42	55.50	29.273	7.73	-87.5	-4.4
10/17/2004	14:30:39	50.00	36.399	22.26	19.8	0.98	42	55.51	29.283	7.73	-79.2	-4.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/17/2004	15:00:39	50.00	36.400	22.26	19.8	0.98	42	55.53	29.296	7.73	-75.4	-4.7
10/17/2004	15:30:39	50.00	36.400	22.26	19.8	0.98	41	55.52	29.290	7.73	-72.7	-4.7
10/17/2004	16:00:39	50.00	36.400	22.26	19.8	0.97	42	55.51	29.278	7.73	-70.3	-4.7
10/17/2004	16:30:39	50.00	36.400	22.26	19.8	0.97	42	55.47	29.251	7.73	-69.0	-4.7
10/17/2004	17:00:39	50.00	36.401	22.26	19.8	0.98	41	55.42	29.213	7.73	-67.3	-4.6
10/17/2004	17:30:39	50.00	36.400	22.26	19.8	0.98	41	55.37	29.182	7.73	-66.4	-4.7
10/17/2004	18:00:39	50.00	36.401	22.26	19.8	0.97	42	55.31	29.135	7.73	-65.4	-4.7
10/17/2004	18:30:39	50.00	36.400	22.26	19.7	0.97	42	55.22	29.075	7.73	-64.6	-4.7
10/17/2004	19:00:39	50.00	36.400	22.26	19.8	0.98	42	55.13	29.007	7.73	-64.0	33.0
10/17/2004	19:30:39	50.00	36.400	22.26	19.7	0.97	42	55.00	28.918	7.73	-63.2	-4.7
10/17/2004	20:00:39	50.00	36.400	22.26	19.9	0.98	42	54.87	28.825	7.73	-62.7	-4.4
10/17/2004	20:30:39	50.00	36.400	22.26	20.5	1.01	42	54.77	28.747	7.73	-86.9	-4.6
10/17/2004	21:00:39	50.00	36.401	22.26	23.2	1.14	43	54.67	28.679	7.73	-147.0	-4.6
10/17/2004	21:30:39	50.00	36.401	22.26	24.7	1.22	44	54.62	28.640	7.74	-204.3	-4.5
10/17/2004	22:00:39	50.00	36.401	22.26	26.3	1.30	44	54.61	28.633	7.75	-250.8	-4.4
10/17/2004	22:30:39	50.00	36.401	22.26	26.6	1.31	45	54.62	28.646	7.74	-283.7	-4.3
10/17/2004	23:00:39	50.00	36.401	22.26	26.2	1.29	45	54.70	28.699	7.74	-294.1	-2.9
10/17/2004	23:30:39	50.00	36.401	22.26	26.2	1.29	45	54.81	28.778	7.74	-294.7	-2.3
10/17/2004	0:00:39	50.00	36.401	22.26	25.6	1.26	45	54.98	28.897	7.74	-272.6	-2.3
10/17/2004	0:30:39	50.00	36.401	22.26	24.7	1.22	44	55.12	29.000	7.74	-228.6	-2.4
10/17/2004	1:00:39	50.00	36.401	22.26	23.9	1.18	43	55.28	29.115	7.74	-188.2	-2.3
10/17/2004	1:30:39	50.00	36.401	22.26	22.1	1.09	43	55.41	29.208	7.73	-123.4	-2.4
10/18/2004	2:00:39	50.00	36.401	22.26	20.8	1.03	43	55.51	29.279	7.73	-89.4	-2.4
10/18/2004	2:30:39	50.00	36.401	22.26	20.0	0.99	42	55.58	29.331	7.73	-80.4	-2.4
10/18/2004	3:00:39	50.00	36.401	22.26	20.0	0.99	42	55.63	29.370	7.73	-76.6	-2.5
10/18/2004	3:30:39	50.00	36.401	22.26	20.1	0.99	42	55.64	29.372	7.73	-73.2	-2.5
10/18/2004	4:00:39	50.00	36.401	22.26	19.9	0.98	41	55.62	29.362	7.73	-71.1	-2.6
10/18/2004	4:30:39	50.00	36.401	22.26	19.9	0.98	42	55.59	29.339	7.73	-69.4	-1.9
10/18/2004	5:00:39	50.00	36.401	22.26	20.0	0.99	42	55.56	29.319	7.73	-67.8	-3.4
10/18/2004	5:30:39	50.00	36.401	22.26	20.1	0.99	42	55.47	29.255	7.74	-67.1	-2.7
10/18/2004	6:00:39	50.00	36.401	22.26	20.0	0.98	42	55.41	29.212	7.73	-66.0	-3.3
10/18/2004	6:30:39	50.00	36.401	22.26	19.9	0.98	42	55.33	29.156	7.73	-64.8	-4.4
10/18/2004	7:00:39	50.00	36.401	22.26	19.9	0.98	41	55.26	29.103	7.73	-63.7	-2.9
10/18/2004	7:30:39	50.00	36.401	22.26	19.9	0.98	42	55.13	29.013	7.73	-63.7	-3.8
10/18/2004	8:00:39	50.00	36.401	22.26	20.0	0.99	42	55.01	28.923	7.73	-63.1	-3.8
10/18/2004	8:30:39	50.00	36.401	22.26	20.7	1.02	42	54.88	28.832	7.73	-79.7	-4.0
10/18/2004	9:00:39	50.00	36.401	22.26	22.7	1.12	44	54.79	28.770	7.74	-144.1	-3.8
10/18/2004	9:30:39	50.00	36.401	22.26	23.0	1.14	43	54.66	28.673	7.74	-148.7	-3.9
10/18/2004	10:00:39	50.00	36.401	22.26	24.4	1.20	44	54.60	28.630	7.74	-212.6	-3.8
10/18/2004	10:30:39	50.00	36.401	22.26	25.5	1.26	45	54.64	28.660	7.74	-242.3	-3.8
10/18/2004	11:00:39	50.00	36.401	22.26	25.8	1.27	45	54.57	28.607	7.74	-309.4	-3.6
10/18/2004	11:30:39	50.00	36.401	22.26	25.7	1.27	45	54.71	28.710	7.74	-304.5	-4.0
10/18/2004	12:00:39	50.00	36.401	22.26	25.2	1.24	45	54.79	28.766	7.74	-274.4	-3.8
10/18/2004	12:30:39	50.00	36.401	22.26	24.5	1.21	44	54.95	28.881	7.74	-242.0	-4.1
10/18/2004	13:00:39	50.00	36.401	22.26	23.5	1.16	44	55.15	29.022	7.73	-174.3	-4.0
10/18/2004	13:30:39	50.00	36.401	22.26	22.2	1.10	43	55.32	29.149	7.73	-125.8	-3.8
10/19/2004	14:00:39	50.00	36.401	22.26	20.8	1.02	43	55.43	29.228	7.73	-85.1	-2.2
10/19/2004	14:30:39	50.00	36.401	22.26	20.3	1.00	42	55.53	29.299	7.73	-80.5	-2.9
10/19/2004	15:00:39	50.00	36.401	22.26	20.2	0.99	42	55.65	29.381	7.73	-75.4	-4.4
10/19/2004	15:30:39	50.00	36.401	22.26	20.1	0.99	42	55.67	29.395	7.73	-73.4	-4.3
10/19/2004	16:00:39	50.00	36.401	22.26	20.0	0.98	42	55.67	29.401	7.73	-71.4	-4.3
10/19/2004	16:30:39	50.00	36.401	22.26	19.9	0.98	42	55.66	29.392	7.73	-69.9	-4.3
10/19/2004	17:00:39	50.00	36.401	22.26	20.0	0.99	42	55.61	29.356	7.73	-68.5	-4.3
10/19/2004	17:30:39	50.00	36.401	22.26	20.0	0.99	42	55.62	29.365	7.73	-67.0	-4.4
10/19/2004	18:00:39	50.00	36.401	22.26	20.0	0.99	42	55.58	29.329	7.73	-66.2	-4.3
10/19/2004	18:30:39	50.00	36.401	22.26	20.0	0.99	42	55.47	29.256	7.73	-65.0	-4.2
10/19/2004	19:00:39	50.00	36.401	22.26	20.0	0.99	42	55.40	29.203	7.73	-64.1	-4.1
10/19/2004	19:30:39	50.00	36.401	22.26	19.9	0.98	42	55.34	29.164	7.73	-63.6	-4.1
10/19/2004	20:00:39	50.00	36.401	22.26	20.0	0.98	41	55.17	29.037	7.73	-63.4	0.2
10/19/2004	20:30:39	50.00	36.401	22.26	20.5	1.01	42	55.04	28.944	7.73	-81.7	-4.1
10/19/2004	21:00:39	50.00	36.401	22.26	22.9	1.13	43	54.92	28.860	7.74	-167.2	0.4
10/19/2004	21:30:39	50.00	36.401	22.26	24.5	1.21	44	54.78	28.760	7.74	-205.4	-3.5
10/19/2004	22:00:39	50.00	36.401	22.26	25.5	1.25	45	54.67	28.681	7.74	-254.1	-1.6
10/19/2004	22:30:39	50.00	36.401	22.26	25.9	1.28	45	54.66	28.670	7.74	-285.1	-4.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/19/2004	23:00:39	50.00	36.401	22.26	26.0	1.28	45	54.55	28.593	7.74	-279.8	-3.8
10/19/2004	23:30:39	50.00	36.401	22.26	26.1	1.29	45	54.52	28.572	7.74	-293.4	1.0
10/19/2004	0:00:39	50.00	36.401	22.26	25.3	1.25	45	54.63	28.654	7.74	-249.9	-3.8
10/19/2004	0:30:39	50.00	36.401	22.26	24.3	1.20	44	54.73	28.723	7.74	-222.9	-1.1
10/19/2004	1:00:39	50.00	36.401	22.26	23.4	1.15	44	54.89	28.840	7.73	-164.3	-2.9
10/19/2004	1:30:39	50.00	36.401	22.26	22.2	1.10	43	55.05	28.954	7.73	-124.6	-3.1
10/20/2004	2:00:39	50.00	36.401	22.26	20.7	1.02	43	55.24	29.093	7.73	-89.8	-3.2
10/20/2004	2:30:39	50.00	36.401	22.26	19.9	0.98	42	55.38	29.192	7.73	-81.2	-3.2
10/20/2004	3:00:39	50.00	36.401	22.26	19.5	0.96	42	55.51	29.282	7.72	-76.1	-3.0
10/20/2004	3:30:39	50.00	36.401	22.26	19.2	0.95	42	55.56	29.319	7.73	-73.8	-3.2
10/20/2004	4:00:39	50.00	36.401	22.26	19.4	0.96	42	55.62	29.363	7.73	-71.0	-3.5
10/20/2004	4:30:39	50.00	36.401	22.26	19.2	0.94	41	55.64	29.379	7.72	-69.3	-3.3
10/20/2004	5:00:39	50.00	36.401	22.26	19.1	0.94	42	55.64	29.379	7.72	-68.4	-3.4
10/20/2004	5:30:39	50.00	36.401	22.26	18.9	0.93	42	55.61	29.355	7.72	-66.8	-3.4
10/20/2004	6:00:39	50.00	36.401	22.26	18.8	0.93	41	55.61	29.352	7.73	-66.0	-3.4
10/20/2004	6:30:39	50.00	36.401	22.26	19.4	0.96	42	55.50	29.280	7.73	-65.5	-3.4
10/20/2004	7:00:39	50.00	36.401	22.26	19.6	0.97	42	55.39	29.195	7.73	-64.0	-3.2
10/20/2004	7:30:39	50.00	36.401	22.26	19.7	0.97	41	55.38	29.193	7.73	-64.3	-2.9
10/20/2004	8:00:39	50.00	36.401	22.26	19.4	0.95	41	55.28	29.118	7.73	-63.5	-3.1
10/20/2004	8:30:39	50.00	36.401	22.26	20.5	1.01	42	55.18	29.048	7.73	-86.0	-3.0
10/20/2004	9:00:39	50.00	36.401	22.26	22.6	1.11	43	55.08	28.977	7.73	-145.6	-2.6
10/20/2004	9:30:39	50.00	36.401	22.26	24.4	1.20	44	54.96	28.890	7.74	-200.1	-2.6
10/20/2004	10:00:39	50.00	36.401	22.26	25.8	1.27	45	54.82	28.787	7.74	-245.5	-2.5
10/20/2004	10:30:39	50.00	36.401	22.26	26.8	1.32	46	54.70	28.700	7.75	-276.0	-2.5
10/20/2004	11:00:39	50.00	36.401	22.26	27.3	1.34	46	54.64	28.663	7.74	-299.3	-2.4
10/20/2004	11:30:39	50.00	36.402	22.26	26.9	1.33	45	54.55	28.598	7.75	-297.7	-2.2
10/20/2004	12:00:39	50.00	36.402	22.26	26.5	1.31	45	54.57	28.613	7.75	-266.6	-1.8
10/20/2004	12:30:39	50.00	36.402	22.26	25.2	1.24	44	54.59	28.625	7.74	-227.7	-1.8
10/20/2004	13:00:39	50.00	36.402	22.26	23.9	1.18	44	54.71	28.708	7.74	-173.4	-2.9
10/20/2004	13:30:39	50.00	36.402	22.26	22.2	1.09	43	54.83	28.794	7.73	-122.8	-2.7
10/21/2004	14:00:39	50.00	36.402	22.26	20.5	1.01	43	54.97	28.898	7.73	-89.6	-1.7
10/21/2004	14:30:39	50.00	36.402	22.26	19.9	0.98	42	55.13	29.015	7.73	-81.6	-2.6
10/21/2004	15:00:39	50.00	36.402	22.26	19.7	0.97	42	55.29	29.127	7.73	-77.1	-2.4
10/21/2004	15:30:39	50.00	36.403	22.26	19.2	0.95	42	55.41	29.215	7.72	-74.6	-1.9
10/21/2004	16:00:39	50.00	36.402	22.26	19.0	0.94	42	55.51	29.284	7.72	-72.7	-2.6
10/21/2004	16:30:39	50.00	36.402	22.26	18.3	0.90	41	55.55	29.314	7.72	-71.0	-2.4
10/21/2004	17:00:39	50.00	36.402	22.26	18.8	0.92	42	55.56	29.319	7.72	-69.4	-2.9
10/21/2004	17:30:39	50.00	36.402	22.26	18.0	0.89	41	55.56	29.318	7.72	-68.0	-2.3
10/21/2004	18:00:39	50.00	36.402	22.26	18.0	0.89	41	55.52	29.290	7.72	-67.3	-2.4
10/21/2004	18:30:39	50.00	36.403	22.26	18.6	0.92	42	55.48	29.264	7.72	-66.3	-2.6
10/21/2004	19:00:39	50.00	36.402	22.26	18.1	0.89	41	55.45	29.241	7.72	-65.7	-2.3
10/21/2004	19:30:39	50.00	36.403	22.26	18.2	0.90	41	55.40	29.203	7.72	-64.9	-2.6
10/21/2004	20:00:39	50.00	36.402	22.26	18.3	0.90	41	55.33	29.153	7.72	-64.4	-2.7
10/21/2004	20:30:39	50.00	36.402	22.26	19.8	0.98	42	55.27	29.115	7.73	-86.3	-2.3
10/21/2004	21:00:39	50.00	36.403	22.26	23.1	1.14	44	55.20	29.062	7.74	-143.1	-1.9
10/21/2004	21:30:39	50.00	36.403	22.26	25.2	1.24	45	55.12	29.008	7.74	-198.0	-2.2
10/21/2004	22:00:39	50.00	36.403	22.26	26.7	1.32	46	55.01	28.930	7.75	-242.8	-2.7
10/21/2004	22:30:39	50.00	36.403	22.26	28.0	1.38	46	54.90	28.851	7.75	-271.5	-3.0
10/21/2004	23:00:39	50.00	36.403	22.26	28.3	1.40	47	54.80	28.773	7.75	-292.8	-2.0
10/21/2004	23:30:39	50.00	36.403	22.27	27.6	1.36	46	54.72	28.720	7.75	-277.2	-2.1
10/21/2004	0:00:39	50.00	36.403	22.26	26.8	1.32	46	54.68	28.691	7.75	-260.9	-2.2
10/21/2004	0:30:39	50.00	36.403	22.27	25.5	1.26	45	54.68	28.688	7.75	-215.5	-2.5
10/21/2004	1:00:39	50.00	36.403	22.27	23.7	1.17	44	54.72	28.718	7.74	-165.5	-2.1
10/21/2004	1:30:39	50.00	36.403	22.26	22.1	1.09	43	54.81	28.782	7.73	-120.0	-2.6
10/22/2004	2:00:39	50.00	36.403	22.26	20.4	1.01	43	54.93	28.872	7.73	-89.7	28.1
10/22/2004	2:30:39	50.00	36.403	22.26	19.6	0.97	41	55.06	28.960	7.73	-81.0	-2.6
10/22/2004	3:00:39	50.00	36.403	22.26	19.3	0.95	42	55.22	29.075	7.73	-77.5	-2.5
10/22/2004	3:30:39	50.00	36.403	22.26	19.3	0.95	42	55.35	29.169	7.73	-74.8	-2.9
10/22/2004	4:00:39	50.00	36.403	22.27	18.8	0.92	42	55.46	29.251	7.72	-71.9	-2.8
10/22/2004	4:30:39	50.00	36.403	22.27	18.5	0.91	42	55.52	29.290	7.72	-70.6	-2.6
10/22/2004	5:00:39	50.00	36.403	22.27	18.1	0.89	41	55.57	29.326	7.72	-69.4	-2.4
10/22/2004	5:30:39	50.00	36.403	22.27	18.5	0.91	42	55.58	29.333	7.72	-68.3	-2.9
10/22/2004	6:00:39	50.00	36.403	22.27	19.0	0.94	42	55.57	29.325	7.73	-67.2	-2.7
10/22/2004	6:30:39	50.00	36.403	22.27	18.6	0.91	42	55.52	29.294	7.72	-66.0	-2.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/22/2004	7:00:39	50.00	36.403	22.26	18.0	0.89	42	55.48	29.266	7.72	-65.6	-2.9
10/22/2004	7:30:39	50.00	36.403	22.26	17.7	0.87	41	55.44	29.234	7.72	-65.0	-2.7
10/22/2004	8:00:39	50.00	36.403	22.27	18.6	0.91	42	55.41	29.211	7.72	-64.4	-3.3
10/22/2004	8:30:39	50.00	36.403	22.27	20.2	0.99	42	55.36	29.181	7.73	-81.6	-4.4
10/22/2004	9:00:39	50.00	36.404	22.27	24.5	1.21	45	55.32	29.148	7.74	-143.4	-4.3
10/22/2004	9:30:39	50.00	36.404	22.27	25.9	1.28	45	55.26	29.106	7.75	-172.9	-4.1
10/22/2004	10:00:39	50.00	36.404	22.27	28.7	1.41	47	55.19	29.057	7.76	-237.4	-4.2
10/22/2004	10:30:39	50.00	36.405	22.27	29.5	1.45	47	55.10	28.994	7.76	-266.8	-4.0
10/22/2004	11:00:39	50.00	36.405	22.27	29.0	1.43	46	55.00	28.917	7.75	-287.7	-4.0
10/22/2004	11:30:39	50.00	36.405	22.27	28.5	1.40	47	54.92	28.860	7.76	-295.6	-3.5
10/22/2004	12:00:39	50.00	36.404	22.27	28.0	1.38	46	54.85	28.813	7.76	-261.8	-3.6
10/22/2004	12:30:39	50.00	36.404	22.27	26.5	1.30	46	54.81	28.787	7.76	-229.2	-3.5
10/22/2004	13:00:39	50.00	36.404	22.27	24.2	1.19	45	54.81	28.786	7.74	-172.6	-3.6
10/22/2004	13:30:39	50.00	36.404	22.27	22.2	1.09	43	54.85	28.814	7.73	-118.4	-3.4
10/23/2004	14:00:39	50.00	36.404	22.27	20.2	1.00	42	54.91	28.857	7.73	-88.7	-3.6
10/23/2004	14:30:39	50.00	36.404	22.27	19.3	0.95	42	55.03	28.938	7.72	-80.8	-3.5
10/23/2004	15:00:39	50.00	36.404	22.27	19.0	0.94	42	55.14	29.024	7.72	-77.1	-3.6
10/23/2004	15:30:39	50.00	36.404	22.27	18.9	0.93	42	55.28	29.119	7.72	-73.7	-3.5
10/23/2004	16:00:39	50.00	36.404	22.27	19.2	0.95	42	55.39	29.200	7.73	-71.6	-3.3
10/23/2004	16:30:39	50.00	36.404	22.27	18.8	0.93	42	55.48	29.265	7.72	-70.4	-3.5
10/23/2004	17:00:39	50.00	36.405	22.27	17.6	0.87	41	55.51	29.290	7.71	-68.9	-3.5
10/23/2004	17:30:39	50.00	36.404	22.27	17.5	0.86	41	55.54	29.311	7.71	-67.8	-3.6
10/23/2004	18:00:39	50.00	36.404	22.27	18.2	0.90	42	55.53	29.302	7.72	-66.3	-3.4
10/23/2004	18:30:39	50.00	36.404	22.27	19.4	0.95	43	55.51	29.286	7.73	-66.0	-3.7
10/23/2004	19:00:39	50.00	36.405	22.27	19.1	0.94	41	55.47	29.257	7.73	-65.4	-3.7
10/23/2004	19:30:39	50.00	36.404	22.27	19.4	0.95	42	55.43	29.229	7.73	-64.3	-3.6
10/23/2004	20:00:39	50.00	36.404	22.27	18.9	0.93	42	55.43	29.230	7.73	-63.9	-3.8
10/23/2004	20:30:39	50.00	36.404	22.27	20.7	1.02	43	55.42	29.223	7.73	-82.1	-3.8
10/23/2004	21:00:39	50.00	36.404	22.27	25.1	1.23	45	55.40	29.210	7.75	-141.2	-4.1
10/23/2004	21:30:39	50.00	36.405	22.27	26.7	1.32	46	55.39	29.198	7.75	-193.8	-4.2
10/23/2004	22:00:39	50.00	36.405	22.27	27.5	1.35	47	55.35	29.169	7.76	-238.2	-4.3
10/23/2004	22:30:39	50.00	36.405	22.27	28.6	1.41	47	55.31	29.145	7.75	-271.4	-3.7
10/23/2004	23:00:39	50.00	36.405	22.27	28.7	1.42	47	55.21	29.075	7.75	-286.2	-3.5
10/23/2004	23:30:39	50.00	36.405	22.27	28.7	1.41	47	55.13	29.019	7.76	-289.0	-4.0
10/23/2004	0:00:39	50.00	36.405	22.27	27.3	1.35	47	55.05	28.960	7.75	-258.2	-3.7
10/23/2004	0:30:39	50.00	36.405	22.27	26.0	1.28	45	54.97	28.899	7.75	-220.2	-4.0
10/23/2004	1:00:39	50.00	36.405	22.27	24.2	1.19	45	54.92	28.864	7.75	-170.2	-3.6
10/23/2004	1:30:39	50.00	36.404	22.27	22.4	1.10	44	54.89	28.845	7.74	-120.7	-3.3
10/24/2004	2:00:39	50.00	36.405	22.27	20.7	1.02	43	54.88	28.832	7.73	-88.2	-3.4
10/24/2004	2:30:39	50.00	36.404	22.27	19.9	0.98	43	54.93	28.872	7.73	-81.0	-3.6
10/24/2004	3:00:39	50.00	36.404	22.27	19.7	0.97	43	55.00	28.923	7.73	-76.8	-3.4
10/24/2004	3:30:39	50.00	36.405	22.27	19.5	0.96	42	55.09	28.983	7.73	-73.1	-3.3
10/24/2004	4:00:39	50.00	36.405	22.27	19.1	0.94	42	55.18	29.049	7.73	-70.9	-3.0
10/24/2004	4:30:39	50.00	36.405	22.27	19.8	0.98	42	55.29	29.128	7.73	-70.3	-3.3
10/24/2004	5:00:39	50.00	36.404	22.27	19.4	0.96	43	55.33	29.160	7.73	-68.8	-3.3
10/24/2004	5:30:39	50.00	36.405	22.27	19.2	0.95	42	55.36	29.178	7.73	-67.5	-2.9
10/24/2004	6:00:39	50.00	36.405	22.27	19.5	0.96	42	55.34	29.165	7.73	-65.9	-3.5
10/24/2004	6:30:39	50.00	36.404	22.27	19.5	0.96	42	55.33	29.158	7.73	-65.2	-2.9
10/24/2004	7:00:39	50.00	36.404	22.27	19.6	0.97	42	55.30	29.139	7.73	-64.5	-2.7
10/24/2004	7:30:39	50.00	36.404	22.27	19.6	0.96	42	55.28	29.119	7.73	-63.7	-1.9
10/24/2004	8:00:39	50.00	36.404	22.27	19.8	0.98	43	55.26	29.105	7.73	-63.9	-2.3
10/24/2004	8:30:39	50.00	36.404	22.27	20.9	1.03	43	55.28	29.119	7.74	-83.6	-2.6
10/24/2004	9:00:39	50.00	36.405	22.27	25.8	1.27	46	55.33	29.157	7.75	-140.0	-3.1
10/24/2004	9:30:39	50.00	36.405	22.27	26.7	1.32	46	55.35	29.176	7.75	-196.0	-1.8
10/24/2004	10:00:39	50.00	36.405	22.27	28.2	1.39	47	55.37	29.191	7.75	-235.6	-2.9
10/24/2004	10:30:39	50.00	36.405	22.27	28.2	1.39	47	55.39	29.202	7.75	-268.3	-2.9
10/24/2004	11:00:39	50.00	36.405	22.27	29.3	1.45	47	55.37	29.189	7.76	-281.5	-2.9
10/24/2004	11:30:39	50.00	36.405	22.27	28.2	1.39	47	55.32	29.155	7.76	-279.8	-2.9
10/24/2004	12:00:39	50.00	36.405	22.27	27.4	1.35	47	55.27	29.119	7.75	-256.6	-2.0
10/24/2004	12:30:39	50.00	36.405	22.27	25.7	1.27	46	55.19	29.057	7.75	-214.8	-2.9
10/24/2004	13:00:39	50.00	36.405	22.27	24.4	1.20	44	55.14	29.021	7.74	-167.6	-2.8
10/24/2004	13:30:39	50.00	36.405	22.27	22.2	1.10	44	55.07	28.975	7.74	-118.6	-2.9
10/25/2004	14:00:39	50.00	36.405	22.27	20.4	1.00	43	55.07	28.972	7.73	-87.5	-2.7
10/25/2004	14:30:39	50.00	36.405	22.27	19.8	0.98	42	55.07	28.970	7.73	-79.2	-2.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/25/2004	15:00:39	50.00	36.405	22.27	19.4	0.96	43	55.10	28.992	7.73	-75.6	-2.7
10/25/2004	15:30:39	50.00	36.404	22.27	19.4	0.95	42	55.17	29.041	7.73	-73.5	-2.6
10/25/2004	16:00:39	50.00	36.405	22.27	19.4	0.96	42	55.22	29.082	7.73	-70.8	-2.7
10/25/2004	16:30:39	50.00	36.405	22.27	19.4	0.96	42	55.28	29.123	7.73	-69.7	-2.9
10/25/2004	17:00:39	50.00	36.405	22.27	19.6	0.97	43	55.32	29.153	7.73	-68.1	-2.6
10/25/2004	17:30:39	50.00	36.405	22.27	19.4	0.96	42	55.33	29.158	7.73	-67.1	-2.6
10/25/2004	18:00:39	50.00	36.405	22.27	19.6	0.97	43	55.31	29.146	7.73	-66.3	-2.4
10/25/2004	18:30:39	50.00	36.405	22.27	20.0	0.99	43	55.29	29.127	7.74	-65.3	-2.6
10/25/2004	19:00:39	50.00	36.405	22.27	19.7	0.97	42	55.25	29.101	7.73	-64.1	-2.7
10/25/2004	19:30:39	50.00	36.404	22.27	19.9	0.98	42	55.22	29.077	7.74	-63.8	-2.4
10/25/2004	20:00:39	50.00	36.405	22.27	19.9	0.98	42	55.20	29.065	7.73	-63.1	-2.3
10/25/2004	20:30:39	50.00	36.405	22.27	21.0	1.03	43	55.21	29.075	7.74	-80.2	-2.4
10/25/2004	21:00:39	50.00	36.405	22.27	24.5	1.21	45	55.23	29.085	7.74	-132.9	-2.6
10/25/2004	21:30:39	50.00	36.405	22.27	26.6	1.31	45	55.28	29.121	7.75	-193.3	-2.5
10/25/2004	22:00:39	50.00	36.405	22.27	29.3	1.44	47	55.32	29.156	7.76	-239.7	-2.4
10/25/2004	22:30:39	50.00	36.405	22.27	28.1	1.39	46	55.35	29.172	7.75	-267.1	-2.2
10/25/2004	23:00:39	50.00	36.405	22.27	29.0	1.43	47	55.35	29.178	7.76	-280.2	-1.5
10/25/2004	23:30:39	50.00	36.405	22.27	28.2	1.39	47	55.37	29.188	7.75	-275.1	-2.2
10/25/2004	0:00:39	50.00	36.405	22.27	28.0	1.38	47	55.34	29.168	7.75	-254.8	-2.2
10/25/2004	0:30:39	50.00	36.405	22.27	25.2	1.24	45	55.30	29.135	7.74	-193.7	-2.1
10/25/2004	1:00:39	50.00	36.405	22.27	24.3	1.20	45	55.27	29.116	7.74	-163.3	-2.0
10/25/2004	1:30:39	50.00	36.405	22.27	22.3	1.10	44	55.24	29.098	7.74	-117.7	-2.1
10/26/2004	2:00:39	50.00	36.405	22.27	20.4	1.01	43	55.21	29.071	7.73	-86.8	-2.1
10/26/2004	2:30:39	50.00	36.405	22.27	19.7	0.97	43	55.19	29.063	7.73	-79.4	-1.9
10/26/2004	3:00:39	50.00	36.405	22.27	19.2	0.95	43	55.18	29.049	7.73	-75.0	-1.8
10/26/2004	3:30:39	50.00	36.404	22.27	18.8	0.92	42	55.20	29.066	7.73	-72.1	-1.7
10/26/2004	4:00:39	50.00	36.404	22.27	18.8	0.92	41	55.25	29.102	7.72	-70.3	-1.6
10/26/2004	4:30:39	50.00	36.405	22.27	19.2	0.95	43	55.28	29.125	7.73	-68.4	-1.3
10/26/2004	5:00:39	50.00	36.405	22.27	18.9	0.93	42	55.30	29.138	7.73	-67.1	-1.3
10/26/2004	5:30:39	50.00	36.404	22.27	19.4	0.95	43	55.31	29.146	7.73	-65.8	-1.6
10/26/2004	6:00:39	50.00	36.404	22.27	19.6	0.97	43	55.28	29.125	7.73	-64.5	-1.1
10/26/2004	6:30:39	50.00	36.404	22.27	19.8	0.98	43	55.25	29.104	7.73	-62.9	-1.7
10/26/2004	7:00:39	50.00	36.404	22.27	19.4	0.95	42	55.17	29.045	7.73	-63.3	-1.5
10/26/2004	7:30:39	50.00	36.404	22.27	19.5	0.96	42	55.15	29.030	7.73	-62.4	-1.5
10/26/2004	8:00:39	50.00	36.404	22.27	19.5	0.96	42	55.11	29.005	7.73	-62.1	-0.8
10/26/2004	8:30:39	50.00	36.404	22.27	20.3	1.00	43	55.12	29.006	7.73	-76.9	-1.3
10/26/2004	9:00:39	50.00	36.404	22.27	23.0	1.14	44	55.13	29.019	7.74	-121.3	-1.1
10/26/2004	9:30:39	50.00	36.405	22.27	25.1	1.23	45	55.20	29.068	7.75	-169.8	-1.0
10/26/2004	10:00:39	50.00	36.404	22.27	23.9	1.18	45	55.27	29.119	7.75	-208.0	-0.2
10/26/2004	10:30:39	50.00	36.404	22.27	25.9	1.27	46	55.33	29.160	7.75	-236.0	-0.6
10/26/2004	11:00:39	50.00	36.404	22.27	26.6	1.31	46	55.42	29.224	7.75	-257.6	-0.5
10/26/2004	11:30:39	50.00	36.404	22.27	25.8	1.27	46	55.45	29.249	7.75	-245.3	-0.4
10/26/2004	12:00:39	50.00	36.404	22.27	24.6	1.21	44	55.45	29.249	7.74	-214.4	-0.5
10/26/2004	12:30:39	50.00	36.404	22.27	23.0	1.13	44	55.47	29.259	7.74	-156.8	-1.5
10/26/2004	13:00:39	50.00	36.405	22.27	22.6	1.12	44	55.41	29.217	7.74	-150.5	-0.5
10/26/2004	13:30:39	50.00	36.404	22.27	21.4	1.06	43	55.40	29.209	7.74	-108.4	-0.4
10/27/2004	14:00:39	50.00	36.404	22.27	20.1	0.99	43	55.37	29.191	7.73	-82.8	-1.3
10/27/2004	14:30:39	50.00	36.404	22.27	19.5	0.96	43	55.33	29.158	7.73	-76.2	-1.6
10/27/2004	15:00:39	50.00	36.404	22.27	18.4	0.91	42	55.27	29.117	7.72	-72.5	-1.5
10/27/2004	15:30:39	50.00	36.404	22.27	17.7	0.87	41	55.26	29.114	7.72	-69.6	-1.0
10/27/2004	16:00:39	50.00	36.404	22.27	17.8	0.88	42	55.27	29.117	7.72	-67.8	-1.3
10/27/2004	16:30:39	50.00	36.404	22.27	17.3	0.85	41	55.29	29.133	7.71	-65.7	-1.0
10/27/2004	17:00:39	50.00	36.404	22.27	16.4	0.81	41	55.27	29.119	7.70	-65.7	-1.3
10/27/2004	17:30:39	50.00	36.404	22.27	18.2	0.89	42	55.25	29.100	7.72	-63.6	-1.4
10/27/2004	18:00:39	50.00	36.404	22.27	18.5	0.91	42	55.22	29.079	7.72	-62.6	-1.0
10/27/2004	18:30:39	50.00	36.404	22.27	17.8	0.88	42	55.18	29.056	7.72	-59.9	-2.1
10/27/2004	19:00:39	50.00	36.404	22.27	16.5	0.82	41	55.12	29.008	7.71	-61.8	-1.9
10/27/2004	19:30:39	50.00	36.404	22.27	18.6	0.92	42	55.00	28.927	7.73	-60.6	-1.8
10/27/2004	20:00:39	50.00	36.404	22.27	18.3	0.90	42	54.99	28.917	7.72	-60.5	-1.8
10/27/2004	20:30:39	50.00	36.404	22.27	19.3	0.95	42	54.98	28.913	7.73	-72.2	-2.3
10/27/2004	21:00:39	50.00	36.404	22.27	21.1	1.04	43	55.00	28.924	7.73	-96.9	-2.0
10/27/2004	21:30:39	50.00	36.405	22.27	24.8	1.22	46	55.06	28.969	7.74	-159.2	-1.9
10/27/2004	22:00:39	50.00	36.405	22.27	24.2	1.19	44	55.18	29.050	7.74	-187.3	-1.9
10/27/2004	22:30:39	50.00	36.405	22.27	26.0	1.28	46	55.24	29.100	7.75	-189.7	-2.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/27/2004	23:00:39	50.00	36.405	22.27	23.8	1.17	45	55.34	29.166	7.74	-184.9	-2.2
10/27/2004	23:30:39	50.00	36.405	22.27	24.5	1.21	45	55.41	29.220	7.74	-171.1	-1.5
10/27/2004	0:00:39	50.00	36.405	22.27	24.1	1.19	45	55.50	29.281	7.74	-197.2	-2.2
10/27/2004	0:30:39	50.00	36.404	22.27	22.9	1.13	44	55.52	29.296	7.74	-167.1	-1.7
10/27/2004	1:00:39	50.00	36.404	22.27	22.0	1.08	44	55.53	29.307	7.74	-134.8	-1.8
10/27/2004	1:30:39	50.00	36.405	22.27	19.9	0.98	42	55.52	29.299	7.72	-100.3	-1.9
10/28/2004	2:00:39	50.00	36.405	22.27	19.0	0.94	42	55.49	29.275	7.72	-78.2	-3.0
10/28/2004	2:30:39	50.00	36.404	22.27	18.9	0.93	42	55.43	29.233	7.72	-67.9	-1.4
10/28/2004	3:00:39	50.00	36.404	22.27	18.0	0.88	41	55.41	29.217	7.72	-71.5	-1.8
10/28/2004	3:30:39	50.00	36.404	22.27	18.0	0.89	42	55.41	29.216	7.72	-69.4	-1.6
10/28/2004	4:00:39	50.00	36.404	22.27	18.0	0.89	42	55.37	29.187	7.72	-66.7	-2.2
10/28/2004	4:30:39	50.00	36.405	22.27	18.1	0.89	42	55.35	29.172	7.72	-65.5	-1.9
10/28/2004	5:00:39	50.00	36.404	22.27	17.1	0.84	41	55.32	29.154	7.71	-64.3	17.8
10/28/2004	5:30:39	50.00	36.405	22.27	16.4	0.81	41	55.27	29.114	7.71	-64.0	-0.7
10/28/2004	6:00:39	50.00	36.404	22.27	15.0	0.74	40	55.22	29.082	7.70	-63.6	-0.5
10/28/2004	6:30:39	50.00	36.405	22.27	14.7	0.72	40	55.12	29.005	7.69	-62.4	-1.4
10/28/2004	7:00:39	50.00	36.405	22.27	13.8	0.68	40	55.06	28.967	7.69	-62.1	-2.2
10/28/2004	7:30:39	50.00	36.405	22.27	13.4	0.66	39	54.96	28.891	7.68	-60.5	-1.9
10/28/2004	8:00:39	50.00	36.405	22.27	13.4	0.66	39	54.88	28.837	7.68	-60.6	-1.9
10/28/2004	8:30:39	50.00	36.405	22.27	19.7	0.97	43	54.84	28.808	7.73	-68.9	-2.0
10/28/2004	9:00:39	50.00	36.405	22.27	20.6	1.01	43	54.85	28.818	7.74	-82.6	-2.6
10/28/2004	9:30:39	50.00	36.405	22.27	22.6	1.11	44	54.89	28.846	7.74	-115.4	-1.5
10/28/2004	10:00:39	50.00	36.405	22.27	23.3	1.15	45	54.94	28.882	7.74	-158.6	-2.4
10/28/2004	10:30:39	50.00	36.405	22.27	22.9	1.13	44	55.06	28.963	7.73	-181.9	-2.5
10/28/2004	11:00:39	50.00	36.407	22.27	23.6	1.16	45	55.15	29.032	7.74	-187.6	-2.1
10/28/2004	11:30:39	50.00	36.407	22.27	23.4	1.15	44	55.28	29.127	7.74	-183.8	-1.6
10/28/2004	12:00:39	50.00	36.406	22.27	22.9	1.13	44	55.39	29.206	7.74	-162.3	-0.9
10/28/2004	12:30:39	50.00	36.406	22.27	21.4	1.05	43	55.47	29.259	7.73	-145.0	-0.8
10/28/2004	13:00:39	50.00	36.405	22.27	20.0	0.98	42	55.51	29.290	7.72	-113.1	-1.1
10/28/2004	13:30:39	50.00	36.405	22.27	19.3	0.95	43	55.56	29.324	7.72	-90.3	0.1
10/29/2004	14:00:39	50.00	36.405	22.27	18.1	0.89	42	55.58	29.343	7.72	-75.7	-0.4
10/29/2004	14:30:39	50.00	36.406	22.27	17.4	0.86	41	55.55	29.320	7.71	-71.9	-0.7
10/29/2004	15:00:39	50.00	36.405	22.27	17.0	0.84	41	55.50	29.284	7.70	-65.7	-0.4
10/29/2004	15:30:39	50.00	36.405	22.27	16.4	0.81	41	55.46	29.252	7.70	-62.2	12.4
10/29/2004	16:00:39	50.00	36.406	22.27	17.8	0.88	42	55.45	29.244	7.72	-65.6	-1.9
10/29/2004	16:30:39	50.00	36.405	22.27	16.5	0.81	41	55.41	29.214	7.71	-62.3	-1.9
10/29/2004	17:00:39	50.00	36.405	22.27	16.2	0.80	41	55.35	29.172	7.70	-63.1	-0.6
10/29/2004	17:30:39	50.00	36.405	22.27	15.3	0.75	41	55.32	29.154	7.70	-62.5	-1.1
10/29/2004	18:00:39	50.00	36.405	22.27	14.1	0.69	40	55.26	29.110	7.69	-62.4	-1.7
10/29/2004	18:30:39	50.00	36.405	22.27	16.7	0.82	41	55.17	29.048	7.71	-61.8	-2.4
10/29/2004	19:00:39	50.00	36.406	22.27	15.9	0.78	41	55.09	28.988	7.70	-60.6	0.1
10/29/2004	19:30:39	50.00	36.405	22.27	15.4	0.76	41	54.98	28.912	7.70	-60.3	-2.7
10/29/2004	20:00:39	50.00	36.406	22.27	14.7	0.73	40	54.88	28.837	7.69	-57.3	-2.7
10/29/2004	20:30:39	50.00	36.406	22.27	14.0	0.69	40	54.80	28.782	7.68	-66.5	1.0
10/29/2004	21:00:39	50.00	36.406	22.27	14.6	0.72	40	54.77	28.760	7.67	-92.6	1.2
10/29/2004	21:30:39	50.00	36.405	22.27	15.5	0.76	40	54.80	28.777	7.68	-120.6	2.0
10/29/2004	22:00:39	50.00	36.405	22.27	16.4	0.81	41	54.86	28.825	7.69	-150.9	1.9
10/29/2004	22:30:39	50.00	36.405	22.27	18.3	0.90	42	54.94	28.880	7.70	-166.4	-1.9
10/29/2004	23:00:39	50.00	36.405	22.27	21.9	1.08	44	55.04	28.949	7.73	-177.5	-1.7
10/29/2004	23:30:39	50.00	36.405	22.27	21.4	1.06	44	55.13	29.021	7.73	-170.1	3.9
10/29/2004	0:00:39	50.00	36.406	22.27	21.5	1.06	44	55.29	29.134	7.73	-161.3	-2.4
10/29/2004	0:30:39	50.00	36.406	22.27	21.8	1.08	44	55.41	29.218	7.73	-143.9	-2.2
10/29/2004	1:00:39	50.00	36.405	22.27	19.5	0.96	43	55.47	29.264	7.72	-113.3	14.6
10/29/2004	1:30:39	50.00	36.406	22.27	19.4	0.96	43	55.54	29.311	7.72	-90.2	-2.6
10/30/2004	2:00:39	50.00	36.405	22.27	19.9	0.98	43	55.55	29.316	7.73	-76.3	-2.3
10/30/2004	2:30:39	50.00	36.405	22.27	20.0	0.98	43	55.58	29.341	7.73	-71.9	-1.6
10/30/2004	3:00:39	50.00	36.405	22.27	19.4	0.96	42	55.57	29.330	7.73	-69.0	11.1
10/30/2004	3:30:39	50.00	36.406	22.27	20.2	0.99	43	55.56	29.324	7.73	-63.3	1.0
10/30/2004	4:00:39	50.00	36.405	22.27	19.7	0.97	42	55.49	29.276	7.73	-66.1	-2.0
10/30/2004	4:30:39	50.00	36.405	22.27	19.3	0.95	42	55.47	29.257	7.73	-65.7	-1.8
10/30/2004	5:00:39	50.00	36.405	22.27	18.0	0.89	42	55.43	29.230	7.72	-64.1	-2.4
10/30/2004	5:30:39	50.00	36.405	22.27	19.4	0.96	43	55.36	29.183	7.73	-61.2	-2.1
10/30/2004	6:00:39	50.00	36.405	22.27	19.3	0.95	42	55.34	29.167	7.73	-62.8	-2.2
10/30/2004	6:30:39	50.00	36.405	22.27	18.8	0.93	42	55.24	29.097	7.72	-61.8	-2.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
10/30/2004	7:00:39	50.00	36.405	22.27	17.7	0.87	42	55.18	29.054	7.71	-59.1	298.7
10/30/2004	7:30:39	50.00	36.405	22.27	17.2	0.85	41	55.06	28.963	7.71	-59.7	4.0
10/30/2004	8:00:39	50.00	36.405	22.27	16.6	0.82	41	54.94	28.878	7.71	-58.0	-1.3
10/30/2004	8:30:39	50.00	36.405	22.27	16.3	0.80	41	54.89	28.848	7.70	-66.1	55.9
10/30/2004	9:00:39	50.00	36.405	22.27	17.3	0.85	42	54.85	28.817	7.70	-90.1	1.8
10/30/2004	9:30:39	50.00	36.405	22.27	19.7	0.97	43	54.82	28.795	7.71	-121.9	1.8
10/30/2004	10:00:39	50.00	36.405	22.27	19.9	0.98	43	54.83	28.798	7.71	-148.6	-1.9
10/30/2004	10:30:39	50.00	36.405	22.27	22.1	1.09	44	54.90	28.854	7.72	-169.7	-1.3
10/30/2004	11:00:39	50.00	36.405	22.27	22.1	1.09	44	54.98	28.907	7.73	-184.9	0.3
10/30/2004	11:30:39	50.00	36.405	22.27	22.5	1.11	44	55.12	29.008	7.74	-184.8	-1.3
10/30/2004	12:00:39	50.00	36.405	22.27	21.6	1.07	44	55.22	29.091	7.73	-240.3	-1.6
10/30/2004	12:30:39	50.00	36.405	22.27	20.9	1.03	43	55.38	29.196	7.73	-265.8	-1.0
10/30/2004	13:00:39	50.00	36.405	22.27	20.4	1.01	43	55.51	29.304	7.72	-233.0	-1.5
10/30/2004	13:30:39	50.00	36.405	22.27	19.9	0.98	42	55.57	29.333	7.72	-83.3	-1.3
10/31/2004	14:00:39	50.00	36.405	22.27	18.5	0.91	42	55.66	29.395	7.71	-107.5	2.4
10/31/2004	14:30:39	50.00	36.405	22.27	18.4	0.91	42	55.64	29.379	7.72	-67.9	-2.1
10/31/2004	15:00:39	50.00	36.405	22.27	17.3	0.85	42	55.68	29.429	7.71	-170.8	-1.7
10/31/2004	15:30:39	50.00	36.405	22.27	16.5	0.81	41	55.65	29.400	7.70	-122.3	0.5
10/31/2004	16:00:39	50.00	36.405	22.27	15.3	0.75	40	55.63	29.380	7.69	-64.4	-1.7
10/31/2004	16:30:39	50.00	36.405	22.27	17.2	0.85	41	55.59	29.347	7.71	-64.6	-2.0
10/31/2004	17:00:39	50.00	36.404	22.27	15.8	0.78	41	55.53	29.305	7.69	-63.7	-2.0
10/31/2004	17:30:39	50.00	36.405	22.27	14.9	0.73	40	55.50	29.279	7.69	-66.4	-1.5
10/31/2004	18:00:39	50.00	36.405	22.27	14.6	0.72	40	55.43	29.233	7.69	-63.7	-1.9
10/31/2004	18:30:39	50.00	36.406	22.27	15.7	0.77	40	55.35	29.173	7.70	-62.2	-1.3
10/31/2004	19:00:39	50.00	36.407	22.27	15.1	0.74	40	55.24	29.098	7.70	-62.9	-1.2
10/31/2004	19:30:39	50.00	36.407	22.27	14.8	0.73	40	55.13	29.019	7.69	-61.7	-1.4
10/31/2004	20:00:39	50.00	36.407	22.27	15.2	0.75	40	55.06	28.968	7.69	-60.8	8.9
10/31/2004	20:30:39	50.00	36.406	22.27	16.6	0.82	41	54.94	28.879	7.70	-67.3	-1.3
10/31/2004	21:00:39	50.00	36.407	22.27	17.8	0.88	41	54.88	28.837	7.70	-92.8	-1.8
10/31/2004	21:30:39	50.00	36.407	22.27	16.6	0.82	41	54.82	28.797	7.70	-87.5	-2.8
10/31/2004	22:00:39	50.00	36.407	22.27	16.3	0.80	41	54.84	28.807	7.70	-94.0	-3.0
10/31/2004	22:30:39	50.00	36.407	22.27	16.7	0.82	41	54.86	28.824	7.69	-110.6	-2.8
10/31/2004	23:00:39	50.00	36.407	22.27	18.8	0.93	42	54.91	28.859	7.70	-175.1	-2.7
10/31/2004	23:30:39	50.00	36.407	22.27	19.0	0.94	42	55.04	28.951	7.70	-187.8	-2.4
10/31/2004	0:00:39	50.00	36.407	22.27	21.7	1.07	44	55.15	29.028	7.72	-170.0	-1.9
10/31/2004	0:30:39	50.00	36.407	22.27	21.3	1.05	44	55.27	29.117	7.73	-149.0	-2.3
10/31/2004	1:00:39	50.00	36.406	22.27	20.8	1.03	43	55.39	29.205	7.73	-114.7	-1.9
10/31/2004	1:30:39	50.00	36.406	22.27	19.9	0.98	42	55.51	29.289	7.73	-91.2	-2.2
11/1/2004	2:00:39	50.00	36.406	22.27	19.1	0.94	42	55.60	29.356	7.72	-79.7	-1.9
11/1/2004	2:30:39	50.00	36.406	22.27	18.9	0.93	42	55.65	29.392	7.72	-73.1	5.9
11/1/2004	3:00:39	50.00	36.405	22.27	17.7	0.87	42	55.75	29.464	7.71	-69.4	-1.9
11/1/2004	3:30:39	50.00	36.406	22.27	17.9	0.88	42	55.71	29.435	7.71	-67.8	-1.8
11/1/2004	4:00:39	50.00	36.406	22.27	17.1	0.84	41	55.71	29.431	7.70	-65.5	5.7
11/1/2004	4:30:39	50.00	36.406	22.27	16.8	0.83	41	55.71	29.431	7.70	-66.8	-1.6
11/1/2004	5:00:39	50.00	36.406	22.27	18.0	0.89	42	55.67	29.407	7.71	-64.3	15.4
11/1/2004	5:30:39	50.00	36.406	22.27	18.0	0.89	42	55.57	29.335	7.71	-64.1	-2.8
11/1/2004	6:00:39	50.00	36.405	22.27	17.0	0.84	41	55.51	29.290	7.71	-62.9	3.2
11/1/2004	6:30:39	50.00	36.406	22.27	16.5	0.81	41	55.44	29.239	7.70	-62.9	181.4
11/1/2004	7:00:39	50.00	36.406	22.27	17.9	0.88	41	55.27	29.115	7.71	-61.6	1.2
11/1/2004	7:30:39	50.00	36.407	22.27	19.6	0.97	42	55.19	29.060	7.73	-62.2	-2.9
11/1/2004	8:00:39	50.00	36.407	22.27	18.4	0.91	42	55.09	28.992	7.72	-63.1	7.7
11/1/2004	8:30:39	50.00	36.407	22.27	18.3	0.90	42	55.06	28.976	7.71	125.5	0.1
11/1/2004	9:00:39	50.00	36.407	22.27	18.0	0.89	42	54.80	28.791	7.71	-93.3	8.4
11/1/2004	9:30:39	50.00	36.407	22.27	20.0	0.99	43	54.88	28.844	7.72	-163.0	0.7
11/1/2004	10:00:39	50.00	36.407	22.27	21.3	1.05	44	54.83	28.808	7.73	-267.7	8.6
11/1/2004	10:30:39	50.00	36.407	22.27	21.4	1.05	44	54.91	28.874	7.73	-210.8	14.6
11/1/2004	11:00:39	50.00	36.407	22.27	22.0	1.09	44	54.81	28.797	7.72	-205.5	-0.5
11/1/2004	11:30:39	50.00	36.407	22.27	22.4	1.10	44	55.09	28.996	7.73	-283.2	-2.6
11/1/2004	12:00:39	50.00	36.407	22.27	22.2	1.09	44	55.00	28.923	7.73	-38.9	7.3
11/1/2004	12:30:39	50.00	36.407	22.27	20.9	1.03	44	55.21	29.088	7.72	-212.3	12.5
11/1/2004	13:00:39	50.00	36.407	22.27	20.8	1.03	43	55.25	29.108	7.72	-245.6	7.5
11/1/2004	13:30:39	50.00	36.407	22.27	19.7	0.97	43	55.40	29.221	7.72	-107.7	-1.7
11/2/2004	14:00:39	50.00	36.407	22.27	18.9	0.93	42	55.55	29.329	7.71	71.8	-2.5
11/2/2004	14:30:39	50.00	36.407	22.27	18.5	0.91	42	55.69	29.422	7.71	-101.3	-2.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/2/2004	15:00:39	50.00	36.407	22.27	17.9	0.88	42	55.63	29.388	7.71	-140.7	-1.0
11/2/2004	15:30:39	50.00	36.407	22.27	17.3	0.85	41	55.69	29.429	7.70	-210.7	-2.3
11/2/2004	16:00:39	50.00	36.407	22.27	16.9	0.83	41	55.76	29.477	7.70	219.6	-0.8
11/2/2004	16:30:39	50.00	36.407	22.27	19.0	0.94	42	55.76	29.473	7.72	-105.9	-1.1
11/2/2004	17:00:39	50.00	36.407	22.27	19.2	0.94	42	55.80	29.507	7.72	136.5	-1.9
11/2/2004	17:30:39	50.00	36.407	22.27	18.7	0.92	42	55.57	29.341	7.72	-159.0	-1.2
11/2/2004	18:00:39	50.00	36.407	22.27	18.9	0.93	42	55.42	29.222	7.72	7.2	-1.4
11/2/2004	18:30:39	50.00	36.407	22.27	17.6	0.87	42	55.41	29.227	7.70	-54.1	-1.7
11/2/2004	19:00:39	50.00	36.407	22.27	19.2	0.95	42	55.36	29.193	7.72	-122.8	-2.4
11/2/2004	19:30:39	50.00	36.406	22.27	20.6	1.02	43	55.31	29.125	7.73	-186.3	-1.8
11/2/2004	20:00:39	50.00	36.406	22.27	19.7	0.97	42	55.27	29.130	7.72	-170.7	-1.3
11/2/2004	20:30:39	50.00	36.406	22.27	20.0	0.99	42	55.18	29.058	7.73	-111.6	-2.2
11/2/2004	21:00:39	50.00	36.406	22.27	20.9	1.03	43	55.03	28.951	7.73	-137.6	-1.1
11/2/2004	21:30:39	50.00	36.406	22.27	22.3	1.10	44	54.94	28.881	7.74	-117.9	-1.1
11/2/2004	22:00:39	50.00	36.406	22.27	21.2	1.05	44	55.04	28.959	7.72	-112.4	-2.1
11/2/2004	22:30:39	50.00	36.405	22.27	21.7	1.07	44	54.89	28.853	7.73	-136.4	-1.9
11/2/2004	23:00:39	50.00	36.405	22.27	20.7	1.02	43	54.83	28.808	7.73	-100.0	-2.3
11/2/2004	23:30:39	50.00	36.404	22.27	20.4	1.00	43	54.86	28.832	7.73	-104.2	-1.8
11/2/2004	0:00:39	50.00	36.404	22.27	20.5	1.01	43	55.03	28.947	7.73	-102.8	-1.6
11/2/2004	0:30:39	50.00	36.404	22.27	20.8	1.03	43	55.07	28.979	7.73	-6.3	-2.3
11/2/2004	1:00:39	50.00	36.405	22.27	20.5	1.01	43	55.25	29.112	7.73	-254.2	-2.3
11/2/2004	1:30:39	50.00	36.405	22.27	20.3	1.00	43	55.38	29.196	7.73	61.0	0.6
11/3/2004	2:00:39	50.00	36.405	22.27	20.0	0.98	43	55.49	29.284	7.73	-101.8	-2.1
11/3/2004	2:30:39	50.00	36.405	22.27	19.2	0.95	42	55.55	29.326	7.72	-101.2	-0.7
11/3/2004	3:00:39	50.00	36.406	22.27	18.7	0.92	42	55.63	29.387	7.72	-81.2	-2.9
11/3/2004	3:30:39	50.00	36.406	22.27	18.1	0.89	42	55.56	29.338	7.71	-176.4	-1.5
11/3/2004	4:00:39	50.00	36.405	22.27	17.7	0.87	41	55.75	29.472	7.71	-265.6	0.0
11/3/2004	4:30:39	50.00	36.406	22.27	17.3	0.85	42	55.66	29.403	7.71	-265.6	0.3
11/3/2004	5:00:39	50.00	36.405	22.27	17.5	0.86	42	55.65	29.399	7.71	-132.3	0.0
11/3/2004	5:30:39	50.00	36.405	22.27	18.3	0.90	42	55.60	29.344	7.71	-52.0	-0.6
11/3/2004	6:00:39	50.00	36.406	22.27	18.8	0.93	42	55.53	29.311	7.72	-378.8	-0.6
11/3/2004	6:30:39	50.00	36.406	22.27	18.6	0.92	42	55.52	29.308	7.72	-175.6	0.1
11/3/2004	7:00:39	50.00	36.406	22.27	18.0	0.89	42	55.34	29.177	7.71	108.3	-0.3
11/3/2004	7:30:39	50.00	36.405	22.27	17.2	0.85	42	55.29	29.145	7.71	44.7	0.7
11/3/2004	8:00:39	50.00	36.405	22.27	16.4	0.81	41	55.18	29.063	7.70	-109.3	0.0
11/3/2004	8:30:39	50.00	36.405	22.27	16.1	0.79	42	55.08	28.995	7.70	-122.6	1.5
11/3/2004	9:00:39	50.00	36.405	22.27	16.0	0.79	42	55.17	29.057	7.70	-146.4	1.0
11/3/2004	9:30:39	50.00	36.405	22.27	17.8	0.88	42	54.99	28.926	7.71	-67.8	0.6
11/3/2004	10:00:39	50.00	36.405	22.27	18.5	0.91	43	54.96	28.904	7.71	-104.0	1.7
11/3/2004	10:30:39	50.00	36.404	22.27	21.4	1.06	44	55.02	28.945	7.73	-446.7	0.9
11/3/2004	11:00:39	50.00	36.404	22.27	21.9	1.08	44	55.00	28.924	7.73	-69.7	2.5
11/3/2004	11:30:39	50.00	36.403	22.27	21.2	1.04	44	54.94	28.885	7.73	-222.9	4.9
11/3/2004	12:00:39	50.00	36.403	22.26	21.2	1.04	44	54.93	28.879	7.73	-157.9	4.0
11/3/2004	12:30:39	50.00	36.402	22.26	21.5	1.06	44	55.11	29.004	7.73	-92.8	3.2
11/3/2004	13:00:39	50.00	36.403	22.26	21.0	1.03	44	55.08	28.994	7.73	-151.0	4.2
11/3/2004	13:30:39	50.00	36.402	22.26	20.7	1.02	43	55.27	29.125	7.74	-65.7	3.6
11/4/2004	14:00:39	50.00	36.403	22.26	20.4	1.00	44	55.34	29.170	7.73	-54.7	4.7
11/4/2004	14:30:39	50.00	36.403	22.26	20.0	0.99	43	55.41	29.222	7.73	-172.6	5.5
11/4/2004	15:00:39	50.00	36.402	22.26	19.9	0.98	42	55.54	29.322	7.73	-157.4	4.8
11/4/2004	15:30:39	50.00	36.402	22.26	19.9	0.98	43	55.62	29.371	7.73	-59.6	4.0
11/4/2004	16:00:39	50.00	36.403	22.26	20.1	0.99	43	55.67	29.409	7.73	-37.9	5.2
11/4/2004	16:30:39	50.00	36.403	22.26	20.1	0.99	43	55.64	29.385	7.74	-56.7	5.8
11/4/2004	17:00:39	50.00	36.403	22.26	20.2	0.99	43	55.62	29.371	7.74	-45.4	6.4
11/4/2004	17:30:39	50.00	36.402	22.26	20.1	0.99	43	55.58	29.342	7.74	-51.3	0.3
11/4/2004	18:00:39	50.00	36.402	22.26	19.9	0.98	43	55.57	29.339	7.73	-77.9	0.1
11/4/2004	18:30:39	50.00	36.402	22.26	19.8	0.98	43	55.51	29.295	7.73	-48.9	0.4
11/4/2004	19:00:39	50.00	36.401	22.26	20.1	0.99	43	55.47	29.264	7.73	-17.8	1.2
11/4/2004	19:30:39	50.00	36.401	22.26	19.8	0.98	43	55.39	29.208	7.73	-59.1	0.6
11/4/2004	20:00:39	50.00	36.401	22.26	20.0	0.98	43	55.27	29.124	7.74	-60.5	0.9
11/4/2004	20:30:39	50.00	36.401	22.26	20.4	1.01	44	55.25	29.104	7.74	-60.0	1.1
11/4/2004	21:00:39	50.00	36.401	22.26	21.4	1.05	44	55.23	29.092	7.74	-86.3	0.9
11/4/2004	21:30:39	50.00	36.401	22.26	22.5	1.11	44	55.17	29.050	7.74	-128.3	0.9
11/4/2004	22:00:39	50.00	36.401	22.26	23.0	1.13	45	55.12	29.011	7.75	-159.2	0.8
11/4/2004	22:30:39	50.00	36.401	22.26	23.1	1.14	44	55.07	28.978	7.74	-178.3	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 μeinst/ sec*m^2	Turbidity NTU
11/4/2004	23:00:39	50.00	36.401	22.26	23.5	1.16	45	55.00	28.928	7.74	-192.1	-0.4
11/4/2004	23:30:39	50.00	36.401	22.26	22.8	1.12	44	54.95	28.894	7.74	-243.0	1.4
11/4/2004	0:00:39	50.00	36.402	22.26	22.3	1.10	44	54.98	28.921	7.74	-184.8	1.4
11/4/2004	0:30:39	50.00	36.402	22.26	22.0	1.08	44	55.05	28.964	7.73	-171.0	0.9
11/4/2004	1:00:39	50.00	36.402	22.26	21.4	1.05	44	55.09	28.993	7.73	-46.1	1.5
11/4/2004	1:30:39	50.00	36.401	22.26	20.5	1.01	43	55.19	29.067	7.73	-81.3	1.9
11/5/2004	2:00:39	50.00	36.401	22.26	20.1	0.99	43	55.34	29.172	7.73	-57.1	2.1
11/5/2004	2:30:39	50.00	36.401	22.26	20.2	1.00	43	55.45	29.254	7.73	-134.0	2.1
11/5/2004	3:00:39	50.00	36.401	22.26	20.2	0.99	43	55.51	29.301	7.73	-104.9	1.8
11/5/2004	3:30:39	50.00	36.401	22.26	20.1	0.99	43	55.62	29.374	7.73	-120.3	4.1
11/5/2004	4:00:39	50.00	36.401	22.26	20.0	0.98	42	55.67	29.417	7.73	-82.6	3.8
11/5/2004	4:30:39	50.00	36.401	22.26	20.0	0.99	43	55.67	29.415	7.73	-140.1	3.6
11/5/2004	5:00:39	50.00	36.401	22.26	20.1	0.99	43	55.64	29.392	7.73	-37.9	3.6
11/5/2004	5:30:39	50.00	36.401	22.26	20.0	0.99	43	55.66	29.409	7.73	-78.5	4.6
11/5/2004	6:00:39	50.00	36.401	22.26	19.9	0.98	43	55.58	29.351	7.73	-123.1	4.0
11/5/2004	6:30:39	50.00	36.401	22.26	20.1	0.99	43	55.57	29.338	7.73	-103.9	3.3
11/5/2004	7:00:39	50.00	36.401	22.26	20.1	0.99	43	55.54	29.317	7.73	-163.0	5.5
11/5/2004	7:30:39	50.00	36.401	22.26	20.0	0.99	43	55.42	29.231	7.73	-101.8	5.2
11/5/2004	8:00:39	50.00	36.401	22.26	20.2	1.00	42	55.48	29.273	7.73	-54.6	6.5
11/5/2004	8:30:39	50.00	36.401	22.26	20.3	1.00	42	55.40	29.219	7.73	-55.4	5.8
11/5/2004	9:00:39	50.00	36.401	22.26	21.6	1.07	44	55.32	29.160	7.73	-131.3	4.5
11/5/2004	9:30:39	50.00	36.401	22.26	22.5	1.11	44	55.27	29.129	7.74	-179.2	12.8
11/5/2004	10:00:39	50.00	36.401	22.26	23.6	1.16	44	55.23	29.097	7.75	-187.7	5.0
11/5/2004	10:30:39	50.00	36.401	22.26	24.6	1.21	45	55.16	29.051	7.75	-204.6	5.5
11/5/2004	11:00:39	50.00	36.401	22.26	24.8	1.22	45	55.07	28.984	7.74	-221.6	5.3
11/5/2004	11:30:39	50.00	36.401	22.26	23.9	1.18	45	55.02	28.946	7.74	-207.6	5.4
11/5/2004	12:00:39	50.00	36.401	22.26	23.3	1.15	44	55.02	28.946	7.74	-226.1	5.8
11/5/2004	12:30:39	50.00	36.401	22.26	22.6	1.11	44	55.04	28.963	7.73	-233.2	6.6
11/5/2004	13:00:39	50.00	36.401	22.26	21.8	1.07	43	55.07	28.981	7.73	-215.2	5.9
11/5/2004	13:30:39	50.00	36.401	22.26	20.8	1.02	43	55.21	29.085	7.73	-122.7	4.8
11/6/2004	14:00:39	50.00	36.401	22.26	19.9	0.98	43	55.29	29.143	7.73	16.2	7.3
11/6/2004	14:30:39	50.00	36.401	22.26	20.1	0.99	43	55.40	29.221	7.72	88.6	5.9
11/6/2004	15:00:39	50.00	36.401	22.26	20.0	0.99	43	55.51	29.298	7.72	-109.0	6.5
11/6/2004	15:30:39	50.00	36.401	22.26	19.9	0.98	42	55.58	29.349	7.72	-111.7	8.8
11/6/2004	16:00:39	50.00	36.401	22.26	19.9	0.98	42	55.63	29.388	7.72	-81.0	9.4
11/6/2004	16:30:39	50.00	36.401	22.26	20.0	0.98	43	55.68	29.422	7.72	-21.7	10.4
11/6/2004	17:00:39	50.00	36.401	22.26	19.8	0.98	43	55.67	29.415	7.72	-95.6	10.0
11/6/2004	17:30:39	50.00	36.401	22.26	19.9	0.98	43	55.67	29.415	7.73	-85.8	11.3
11/6/2004	18:00:39	50.00	36.401	22.26	19.8	0.98	43	55.62	29.380	7.72	-140.0	7.9
11/6/2004	18:30:39	50.00	36.401	22.26	19.8	0.98	43	55.59	29.360	7.72	-118.5	14.7
11/6/2004	19:00:39	50.00	36.401	22.26	19.9	0.98	43	55.52	29.309	7.73	-108.3	12.2
11/6/2004	19:30:39	50.00	36.401	22.26	19.4	0.96	43	55.46	29.261	7.73	-137.8	11.6
11/6/2004	20:00:39	50.00	36.401	22.26	19.5	0.96	42	55.45	29.256	7.72	-66.7	11.9
11/6/2004	20:30:39	50.00	36.401	22.26	20.3	1.00	43	55.39	29.214	7.73	-241.2	11.9
11/6/2004	21:00:39	50.00	36.401	22.26	22.8	1.12	44	55.34	29.180	7.73	-129.1	11.5
11/6/2004	21:30:39	50.00	36.401	22.26	24.4	1.20	45	55.30	29.152	7.74	-125.1	12.4
11/6/2004	22:00:39	50.00	36.401	22.26	25.9	1.28	46	55.24	29.108	7.75	-211.0	13.3
11/6/2004	22:30:39	50.00	36.401	22.26	25.9	1.28	46	55.20	29.080	7.75	-228.6	14.2
11/6/2004	23:00:39	50.00	36.401	22.26	26.3	1.30	47	55.10	29.006	7.74	-189.9	18.3
11/6/2004	23:30:39	50.00	36.401	22.26	25.2	1.24	46	55.07	28.985	7.74	-274.6	18.2
11/6/2004	0:00:39	50.00	36.401	22.26	24.6	1.21	45	55.03	28.959	7.74	-277.2	16.5
11/6/2004	0:30:39	50.00	36.401	22.26	23.6	1.16	45	55.03	28.957	7.74	-86.0	23.6
11/6/2004	1:00:39	50.00	36.401	22.26	22.0	1.09	44	55.04	28.963	7.73	-108.4	15.8
11/6/2004	1:30:39	50.00	36.401	22.26	20.6	1.01	44	55.08	28.997	7.73	-112.1	17.5
11/7/2004	2:00:39	50.00	36.401	22.26	19.7	0.97	43	55.16	29.046	7.73	-76.6	20.8
11/7/2004	2:30:39	50.00	36.401	22.26	19.8	0.97	43	55.25	29.112	7.73	-51.5	24.1
11/7/2004	3:00:39	50.00	36.401	22.26	19.7	0.97	42	55.33	29.172	7.73	-65.9	19.0
11/7/2004	3:30:39	50.00	36.401	22.26	19.5	0.96	43	55.40	29.228	7.72	-144.7	11.5
11/7/2004	4:00:39	50.00	36.401	22.26	19.7	0.97	43	55.46	29.267	7.73	-31.8	41.8
11/7/2004	4:30:39	50.00	36.402	22.26	19.8	0.98	43	55.49	29.286	7.73	28.3	10.4
11/7/2004	5:00:39	50.00	36.401	22.26	19.9	0.98	43	55.50	29.295	7.73	-98.6	24.2
11/7/2004	5:30:39	50.00	36.402	22.26	19.8	0.98	44	55.49	29.292	7.72	-117.7	9.8
11/7/2004	6:00:39	50.00	36.403	22.26	20.0	0.99	43	55.45	29.255	7.72	-68.3	16.9
11/7/2004	6:30:39	50.00	36.403	22.27	19.9	0.98	43	55.40	29.221	7.73	-66.5	13.1

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
11/7/2004	7:00:39	50.00	36.403	22.26	19.8	0.98	43	55.38	29.203	7.72	-67.4	15.5
11/7/2004	7:30:39	50.00	36.402	22.26	19.7	0.97	43	55.35	29.190	7.72	-106.4	15.2
11/7/2004	8:00:39	50.00	36.401	22.26	19.8	0.97	43	55.33	29.174	7.72	-87.1	15.3
11/7/2004	8:30:39	50.00	36.401	22.26	20.3	1.00	43	55.32	29.161	7.73	-245.7	19.3
11/7/2004	9:00:39	50.00	36.401	22.26	22.9	1.13	45	55.35	29.187	7.74	-144.5	50.2
11/7/2004	9:30:39	50.00	36.401	22.26	25.0	1.23	46	55.33	29.175	7.76	-158.7	23.6
11/7/2004	10:00:39	50.00	36.401	22.26	25.3	1.25	46	55.33	29.171	7.76	-158.6	52.3
11/7/2004	10:30:39	50.00	36.401	22.26	26.6	1.31	47	55.30	29.150	7.77	-245.9	42.3
11/7/2004	11:00:39	50.00	36.401	22.26	26.5	1.30	46	55.28	29.138	7.75	-220.5	57.9
11/7/2004	11:30:39	50.00	36.400	22.26	25.4	1.25	46	55.23	29.101	7.75	-227.1	50.8
11/7/2004	12:00:39	50.00	36.401	22.26	23.0	1.13	45	55.21	29.083	7.74	-155.8	58.2
11/7/2004	12:30:39	50.00	36.401	22.26	22.6	1.11	44	55.19	29.074	7.74	-153.0	39.6
11/7/2004	13:00:39	50.00	36.401	22.26	22.5	1.11	44	55.19	29.073	7.74	-140.9	70.0
11/7/2004	13:30:39	50.00	36.402	22.26	20.7	1.02	44	55.19	29.069	7.73	-102.2	121.6
11/8/2004	14:00:39	50.00	36.401	22.26	20.1	0.99	43	55.25	29.112	7.73	-86.6	62.5
11/8/2004	14:30:39	50.00	36.401	22.26	19.7	0.97	43	55.31	29.160	7.73	-80.5	56.0
11/8/2004	15:00:39	50.00	36.401	22.26	19.9	0.98	43	55.36	29.193	7.73	-76.5	10.1
11/8/2004	15:30:39	50.00	36.401	22.26	20.0	0.99	43	55.47	29.274	7.73	-74.8	16.3
11/8/2004	16:00:39	50.00	36.401	22.26	19.9	0.98	43	55.49	29.288	7.73	-73.7	17.7
11/8/2004	16:30:39	50.00	36.401	22.26	19.7	0.97	43	55.51	29.305	7.73	-69.0	14.8
11/8/2004	17:00:39	50.00	36.401	22.26	19.7	0.97	43	55.53	29.314	7.73	-69.9	15.3
11/8/2004	17:30:39	50.00	36.402	22.26	19.5	0.96	43	55.50	29.295	7.72	-70.1	21.4
11/8/2004	18:00:39	50.00	36.402	22.26	19.4	0.96	43	55.47	29.270	7.72	-68.3	15.5
11/8/2004	18:30:39	50.00	36.402	22.26	19.5	0.96	43	55.40	29.225	7.72	-68.5	8.6
11/8/2004	19:00:39	50.00	36.402	22.26	19.5	0.96	43	55.37	29.202	7.72	-68.4	17.7
11/8/2004	19:30:39	50.00	36.402	22.26	19.4	0.96	43	55.31	29.162	7.72	-67.6	6.7
11/8/2004	20:00:39	50.00	36.402	22.26	19.6	0.96	43	55.29	29.145	7.72	-67.9	8.4
11/8/2004	20:30:39	50.00	36.402	22.26	20.4	1.00	44	55.30	29.149	7.73	-78.1	7.8
11/8/2004	21:00:39	50.00	36.402	22.26	23.9	1.18	46	55.30	29.153	7.74	-117.1	8.8
11/8/2004	21:30:39	50.00	36.402	22.26	25.5	1.26	46	55.31	29.158	7.74	-165.6	8.8
11/8/2004	22:00:39	50.00	36.402	22.26	25.9	1.28	47	55.31	29.155	7.75	-191.7	10.7
11/8/2004	22:30:39	50.00	36.401	22.26	27.5	1.36	47	55.30	29.148	7.75	-225.1	7.2
11/8/2004	23:00:39	50.00	36.402	22.26	25.4	1.25	46	55.27	29.128	7.74	-169.1	8.3
11/8/2004	23:30:39	50.00	36.403	22.26	24.8	1.22	46	55.22	29.093	7.74	-220.0	6.4
11/8/2004	0:00:39	50.00	36.403	22.26	26.3	1.30	47	55.19	29.071	7.75	-222.8	7.8
11/8/2004	0:30:39	50.00	36.402	22.26	24.2	1.19	45	55.13	29.026	7.75	-164.2	7.0
11/8/2004	1:00:39	50.00	36.403	22.26	22.6	1.11	45	55.12	29.023	7.73	-143.6	11.3
11/8/2004	1:30:39	50.00	36.402	22.26	19.9	0.98	43	55.11	29.014	7.73	-128.7	8.9
11/9/2004	2:00:39	50.00	36.402	22.26	20.1	0.99	43	55.13	29.027	7.73	-110.2	8.6
11/9/2004	2:30:39	50.00	36.402	22.26	19.9	0.98	44	55.15	29.044	7.73	-114.1	7.6
11/9/2004	3:00:39	50.00	36.402	22.26	19.8	0.98	43	55.21	29.084	7.73	-109.6	9.2
11/9/2004	3:30:39	50.00	36.402	22.26	19.6	0.97	43	55.27	29.125	7.73	-107.9	9.3
11/9/2004	4:00:39	50.00	36.402	22.26	19.5	0.96	43	55.32	29.164	7.72	-119.9	9.2
11/9/2004	4:30:39	50.00	36.402	22.26	19.4	0.95	43	55.35	29.187	7.72	-117.5	10.3
11/9/2004	5:00:39	50.00	36.402	22.26	19.3	0.95	43	55.36	29.192	7.72	-133.1	9.5
11/9/2004	5:30:39	50.00	36.401	22.26	19.2	0.95	43	55.33	29.167	7.72	-134.6	7.4
11/9/2004	6:00:39	50.00	36.402	22.26	19.2	0.95	43	55.28	29.138	7.72	-139.4	7.0
11/9/2004	6:30:39	50.00	36.401	22.26	19.4	0.96	43	55.24	29.107	7.72	-146.8	8.4
11/9/2004	7:00:39	50.00	36.401	22.26	19.7	0.97	43	55.21	29.082	7.73	-149.9	8.1
11/9/2004	7:30:39	50.00	36.401	22.26	19.3	0.95	43	55.17	29.054	7.72	-150.3	10.6
11/9/2004	8:00:39	50.00	36.401	22.26	19.8	0.98	43	55.16	29.052	7.72	-155.6	7.8
11/9/2004	8:30:39	50.00	36.401	22.26	20.2	1.00	44	55.18	29.064	7.73	-165.4	8.7
11/9/2004	9:00:39	50.00	36.401	22.26	22.0	1.08	44	55.23	29.098	7.74	-198.3	9.4
11/9/2004	9:30:39	50.00	36.401	22.26	24.8	1.22	46	55.27	29.129	7.76	-243.6	6.9
11/9/2004	10:00:39	50.00	36.401	22.26	25.5	1.25	46	55.34	29.177	7.77	-284.2	15.3
11/9/2004	10:30:39	50.00	36.401	22.26	26.4	1.30	47	55.40	29.225	7.76	-300.7	6.5
11/9/2004	11:00:39	50.00	36.401	22.26	25.5	1.26	46	55.43	29.241	7.74	-273.2	5.9
11/9/2004	11:30:39	50.00	36.401	22.26	25.8	1.27	46	55.43	29.243	7.74	-318.2	7.9
11/9/2004	12:00:39	50.00	36.401	22.26	24.3	1.20	46	55.41	29.230	7.74	-263.4	7.2
11/9/2004	12:30:39	50.00	36.401	22.26	23.5	1.16	45	55.38	29.211	7.74	-270.8	6.8
11/9/2004	13:00:39	50.00	36.401	22.26	22.2	1.09	44	55.36	29.192	7.73	-228.9	8.9
11/9/2004	13:30:39	50.00	36.401	22.26	21.0	1.03	44	55.34	29.181	7.73	-203.7	9.5
11/10/2004	14:00:39	50.00	36.401	22.26	20.4	1.01	43	55.34	29.181	7.72	-187.1	9.7
11/10/2004	14:30:39	50.00	36.401	22.26	20.2	1.00	44	55.35	29.189	7.73	-182.4	9.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/10/2004	15:00:39	50.00	36.401	22.26	19.8	0.98	43	55.36	29.190	7.73	-179.7	8.1
11/10/2004	15:30:39	50.00	36.401	22.26	19.6	0.97	43	55.39	29.216	7.72	-178.4	8.1
11/10/2004	16:00:39	50.00	36.401	22.26	19.9	0.98	43	55.41	29.229	7.72	-177.8	7.8
11/10/2004	16:30:39	50.00	36.401	22.26	19.9	0.98	43	55.41	29.232	7.73	-177.0	10.4
11/10/2004	17:00:39	50.00	36.401	22.26	19.9	0.98	43	55.39	29.218	7.73	-176.2	8.4
11/10/2004	17:30:39	50.00	36.401	22.26	20.0	0.98	43	55.33	29.172	7.73	-175.4	8.8
11/10/2004	18:00:39	50.00	36.401	22.26	18.9	0.93	43	55.30	29.149	7.73	-176.1	12.7
11/10/2004	18:30:39	50.00	36.401	22.26	19.8	0.98	43	55.21	29.086	7.73	-176.5	157.2
11/10/2004	19:00:39	50.00	36.401	22.26	19.8	0.98	43	55.15	29.042	7.73	-178.7	7.7
11/10/2004	19:30:39	50.00	36.401	22.26	19.7	0.97	43	55.11	29.015	7.72	-178.3	5.1
11/10/2004	20:00:39	50.00	36.401	22.26	20.0	0.99	43	55.09	29.003	7.73	-178.1	3.5
11/10/2004	20:30:39	50.00	36.401	22.26	20.1	0.99	44	55.11	29.012	7.73	-187.5	5.7
11/10/2004	21:00:39	50.00	36.401	22.26	20.6	1.01	44	55.17	29.055	7.73	-196.2	5.4
11/10/2004	21:30:39	50.00	36.401	22.26	24.6	1.21	46	55.25	29.113	7.73	-278.9	2.0
11/10/2004	22:00:39	50.00	36.401	22.26	23.2	1.14	45	55.38	29.207	7.73	-270.7	4.5
11/10/2004	22:30:39	50.00	36.401	22.26	22.6	1.12	45	55.47	29.271	7.73	-271.0	4.3
11/10/2004	23:00:39	50.00	36.401	22.26	24.0	1.18	46	55.53	29.319	7.73	-283.8	4.3
11/10/2004	23:30:39	50.00	36.401	22.26	23.9	1.18	46	55.54	29.325	7.73	-337.7	3.3
11/10/2004	0:00:39	50.00	36.401	22.26	23.2	1.14	45	55.58	29.349	7.73	-323.4	5.0
11/10/2004	0:30:39	50.00	36.401	22.26	22.6	1.11	44	55.58	29.348	7.73	-293.3	4.7
11/10/2004	1:00:39	50.00	36.401	22.26	22.0	1.08	45	55.55	29.333	7.73	-250.8	5.1
11/10/2004	1:30:39	50.00	36.401	22.26	21.0	1.03	44	55.52	29.306	7.73	-219.0	3.7
11/11/2004	2:00:39	50.00	36.401	22.26	20.6	1.01	44	55.48	29.282	7.72	-203.0	3.2
11/11/2004	2:30:39	50.00	36.400	22.26	20.3	1.00	44	55.44	29.252	7.73	-197.1	3.8
11/11/2004	3:00:39	50.00	36.400	22.26	20.2	1.00	44	55.42	29.233	7.72	-193.9	4.3
11/11/2004	3:30:39	50.00	36.399	22.26	20.2	1.00	44	55.42	29.239	7.73	-192.0	3.9
11/11/2004	4:00:39	50.00	36.399	22.26	20.2	0.99	43	55.40	29.220	7.73	-190.9	2.6
11/11/2004	4:30:39	50.00	36.400	22.26	20.3	1.00	44	55.37	29.204	7.73	-191.6	4.3
11/11/2004	5:00:39	50.00	36.401	22.26	20.3	1.00	43	55.32	29.164	7.73	-191.4	3.1
11/11/2004	5:30:39	50.00	36.401	22.26	20.3	1.00	44	55.24	29.109	7.73	-190.2	7.4
11/11/2004	6:00:39	50.00	36.401	22.26	20.2	0.99	44	55.14	29.033	7.73	-190.2	7.9
11/11/2004	6:30:39	50.00	36.401	22.26	20.0	0.99	44	55.05	28.968	7.73	-186.8	3.8
11/11/2004	7:00:39	50.00	36.401	22.26	20.0	0.99	43	54.99	28.931	7.73	-181.5	5.7
11/11/2004	7:30:39	50.00	36.401	22.26	20.0	0.98	44	54.86	28.838	7.73	-183.4	5.6
11/11/2004	8:00:39	50.00	36.401	22.26	20.0	0.98	43	54.80	28.795	7.73	-184.2	5.1
11/11/2004	8:30:39	50.00	36.400	22.26	20.3	1.00	44	54.87	28.840	7.73	-191.5	4.2
11/11/2004	9:00:39	50.00	36.401	22.26	21.3	1.05	44	54.88	28.847	7.73	-219.7	5.0
11/11/2004	9:30:39	50.00	36.401	22.26	23.0	1.13	45	55.02	28.952	7.74	-273.3	6.1
11/11/2004	10:00:39	50.00	36.401	22.26	24.3	1.20	46	55.13	29.025	7.74	-314.2	4.8
11/11/2004	10:30:39	50.00	36.401	22.26	24.2	1.19	46	55.24	29.106	7.74	-342.5	4.8
11/11/2004	11:00:39	50.00	36.401	22.26	23.2	1.14	45	55.34	29.178	7.73	-268.1	6.8
11/11/2004	11:30:39	50.00	36.401	22.26	24.1	1.19	45	55.48	29.280	7.74	-353.5	4.6
11/11/2004	12:00:39	50.00	36.401	22.26	22.4	1.10	45	55.56	29.338	7.73	-254.5	4.0
11/11/2004	12:30:39	50.00	36.401	22.26	21.4	1.05	44	55.53	29.313	7.73	-233.3	10.6
11/11/2004	13:00:39	50.00	36.401	22.26	21.1	1.04	44	55.59	29.360	7.73	-220.9	8.4
11/11/2004	13:30:39	50.00	36.401	22.26	20.7	1.02	44	55.58	29.352	7.72	-206.3	3.2
11/12/2004	14:00:39	50.00	36.400	22.26	20.4	1.00	44	55.57	29.347	7.72	-198.8	5.6
11/12/2004	14:30:39	50.00	36.400	22.26	20.2	1.00	44	55.52	29.311	7.72	-195.2	4.0
11/12/2004	15:00:39	50.00	36.400	22.26	20.4	1.00	44	55.52	29.311	7.73	-193.3	3.5
11/12/2004	15:30:39	50.00	36.401	22.26	20.3	1.00	44	55.46	29.263	7.73	-193.3	3.7
11/12/2004	16:00:39	50.00	36.401	22.26	20.3	1.00	44	55.52	29.311	7.73	-192.8	3.8
11/12/2004	16:30:39	50.00	36.401	22.26	20.3	1.00	44	55.45	29.256	7.73	-191.6	3.6
11/12/2004	17:00:39	50.00	36.400	22.26	19.9	0.98	43	55.34	29.181	7.73	-186.7	4.2
11/12/2004	17:30:39	50.00	36.400	22.26	20.3	1.00	44	55.33	29.174	7.73	-187.6	5.1
11/12/2004	18:00:39	50.00	36.400	22.26	20.4	1.00	44	55.14	29.033	7.73	-187.2	4.2
11/12/2004	18:30:39	50.00	36.400	22.26	20.3	1.00	44	55.07	28.987	7.73	-187.8	3.1
11/12/2004	19:00:39	50.00	36.399	22.26	20.2	1.00	44	54.94	28.892	7.73	-185.8	4.9
11/12/2004	19:30:39	50.00	36.400	22.26	20.2	0.99	43	54.85	28.827	7.73	-187.0	4.7
11/12/2004	20:00:39	50.00	36.400	22.26	20.1	0.99	43	54.77	28.771	7.73	-187.8	3.7
11/12/2004	20:30:39	50.00	36.400	22.26	20.3	1.00	44	54.69	28.714	7.73	-191.4	3.2
11/12/2004	21:00:39	50.00	36.400	22.26	20.8	1.03	44	54.79	28.787	7.73	-217.6	4.6
11/12/2004	21:30:39	50.00	36.400	22.26	22.0	1.09	45	54.83	28.814	7.73	-246.7	3.1
11/12/2004	22:00:39	50.00	36.399	22.26	22.9	1.13	45	55.01	28.944	7.74	-299.3	4.3
11/12/2004	22:30:39	50.00	36.400	22.26	23.4	1.16	45	55.07	28.987	7.74	-310.7	6.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/12/2004	23:00:39	50.00	36.400	22.26	23.3	1.15	45	55.28	29.138	7.73	-287.1	4.6
11/12/2004	23:30:39	50.00	36.400	22.26	22.6	1.11	45	55.48	29.282	7.73	-268.8	10.2
11/12/2004	0:00:39	50.00	36.400	22.26	22.3	1.10	45	55.49	29.287	7.73	-266.7	6.1
11/12/2004	0:30:39	50.00	36.400	22.26	22.4	1.10	45	55.66	29.410	7.73	-258.6	11.1
11/12/2004	1:00:39	50.00	36.400	22.26	21.6	1.07	44	55.80	29.512	7.73	-231.5	6.1
11/12/2004	1:30:39	50.00	36.400	22.26	21.0	1.04	44	55.85	29.548	7.73	-214.7	16.4
11/13/2004	2:00:39	50.00	36.399	22.26	20.7	1.02	44	55.75	29.470	7.73	-206.9	3.5
11/13/2004	2:30:39	50.00	36.399	22.26	20.4	1.01	44	55.74	29.465	7.73	-200.0	2.8
11/13/2004	3:00:39	50.00	36.399	22.26	20.5	1.01	44	55.75	29.477	7.73	-173.5	5.3
11/13/2004	3:30:39	50.00	36.400	22.26	20.3	1.00	44	55.63	29.387	7.73	-190.5	2.4
11/13/2004	4:00:39	50.00	36.400	22.26	20.3	1.00	44	55.61	29.375	7.73	-188.2	3.9
11/13/2004	4:30:39	50.00	36.400	22.26	20.2	1.00	44	55.57	29.345	7.73	-191.0	2.2
11/13/2004	5:00:39	50.00	36.399	22.26	20.3	1.00	43	55.47	29.274	7.73	-191.2	2.1
11/13/2004	5:30:39	50.00	36.400	22.26	20.3	1.00	43	55.37	29.200	7.73	-187.5	3.4
11/13/2004	6:00:39	50.00	36.400	22.26	20.1	0.99	44	55.28	29.134	7.73	-184.8	4.4
11/13/2004	6:30:39	50.00	36.400	22.26	20.2	1.00	44	55.12	29.019	7.73	-187.5	2.9
11/13/2004	7:00:39	50.00	36.399	22.26	20.2	1.00	44	55.03	28.954	7.72	-182.9	6.6
11/13/2004	7:30:39	50.00	36.399	22.26	20.2	0.99	44	54.86	28.833	7.73	-182.8	3.3
11/13/2004	8:00:39	50.00	36.399	22.26	20.2	1.00	44	54.67	28.697	7.73	-182.3	2.8
11/13/2004	8:30:39	50.00	36.399	22.26	20.4	1.00	44	54.64	28.675	7.73	-185.6	2.0
11/13/2004	9:00:39	50.00	36.399	22.26	20.8	1.02	44	54.60	28.646	7.73	-195.6	3.2
11/13/2004	9:30:39	50.00	36.399	22.26	21.5	1.06	44	54.67	28.695	7.73	-211.5	3.2
11/13/2004	10:00:39	50.00	36.399	22.26	21.3	1.05	44	54.68	28.708	7.73	-215.5	3.4
11/13/2004	10:30:39	50.00	36.399	22.26	23.0	1.13	45	54.87	28.840	7.73	-271.3	4.1
11/13/2004	11:00:39	50.00	36.399	22.26	22.6	1.11	45	55.04	28.965	7.73	-242.0	4.3
11/13/2004	11:30:39	50.00	36.399	22.26	22.7	1.12	45	55.23	29.098	7.73	-233.7	4.9
11/13/2004	12:00:39	50.00	36.399	22.26	22.3	1.10	45	55.40	29.222	7.73	-238.9	4.3
11/13/2004	12:30:39	50.00	36.399	22.26	21.5	1.06	45	55.53	29.316	7.73	-215.6	3.9
11/13/2004	13:00:39	50.00	36.399	22.26	20.9	1.03	44	55.65	29.398	7.73	-171.9	4.8
11/13/2004	13:30:39	50.00	36.399	22.26	20.6	1.01	43	55.71	29.448	7.73	-189.6	4.7
11/14/2004	14:00:39	50.00	36.399	22.26	20.3	1.00	44	55.75	29.477	7.73	-181.6	3.3
11/14/2004	14:30:39	50.00	36.399	22.26	20.3	1.00	44	55.74	29.468	7.73	-183.3	4.6
11/14/2004	15:00:39	50.00	36.409	22.27	-50.0	-2.46	99	55.73	29.483	7.74	77.2	3.6
11/14/2004	15:30:39	50.00	36.409	22.27	-50.0	-2.46	99	55.79	29.523	7.74	31.0	3.4
11/14/2004	16:00:39	50.00	36.409	22.27	-50.0	-2.46	99	55.71	29.469	7.74	35.1	3.7
11/14/2004	16:30:39	50.00	36.409	22.27	-50.0	-2.46	100	55.66	29.431	7.74	31.5	3.4
11/14/2004	17:00:39	50.00	36.409	22.27	-50.0	-2.46	99	55.61	29.398	7.74	30.7	73.4
11/14/2004	17:30:39	50.00	36.409	22.27	-50.0	-2.46	99	55.51	29.326	7.74	29.7	5.7
11/14/2004	18:00:39	50.00	36.409	22.27	-50.0	-2.46	99	55.41	29.251	7.74	28.8	14.4
11/14/2004	18:30:39	50.00	36.409	22.27	-50.0	-2.46	99	55.27	29.153	7.74	26.8	1307.7
11/14/2004	19:00:39	50.00	36.409	22.27	-50.0	-2.46	99	55.13	29.050	7.74	25.7	1.8
11/14/2004	19:30:39	50.00	36.409	22.27	-50.0	-2.46	99	54.95	28.920	7.74	22.5	2.1
11/14/2004	20:00:39	50.00	36.409	22.27	-50.0	-2.46	99	54.81	28.820	7.74	18.9	1682.9
11/14/2004	20:30:39	50.00	36.409	22.27	-50.0	-2.46	99	54.70	28.739	7.74	9.6	1.1
11/14/2004	21:00:39	50.00	36.408	22.27	-50.0	-2.46	99	54.60	28.664	7.74	-14.7	1.4
11/14/2004	21:30:39	50.00	36.408	22.27	-50.0	-2.46	99	54.60	28.666	7.74	-41.7	1.0
11/14/2004	22:00:39	50.00	36.407	22.27	-50.0	-2.46	99	54.65	28.702	7.75	-63.0	2.2
11/14/2004	22:30:39	50.00	36.407	22.27	-50.0	-2.46	99	54.75	28.775	7.75	-76.7	1.2
11/14/2004	23:00:39	50.00	36.407	22.27	-50.0	-2.46	99	54.89	28.869	7.75	-153.3	2.5
11/14/2004	23:30:39	50.00	36.407	22.27	-50.0	-2.46	98	55.08	29.010	7.75	-144.9	5.4
11/14/2004	0:00:39	50.00	36.407	22.27	-50.0	-2.46	99	55.27	29.140	7.75	-117.7	0.9
11/14/2004	0:30:39	50.00	36.406	22.27	-50.0	-2.46	99	55.45	29.270	7.74	-101.4	1.1
11/14/2004	1:00:39	50.00	36.406	22.27	-50.0	-2.46	99	55.55	29.342	7.74	-88.6	0.9
11/14/2004	1:30:39	50.00	36.405	22.27	-50.0	-2.46	99	55.72	29.465	7.74	-96.1	1.0
11/15/2004	2:00:39	50.00	36.404	22.27	-50.0	-2.46	99	55.77	29.499	7.74	-103.0	23.2
11/15/2004	2:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.88	29.575	7.74	-122.4	1.0
11/15/2004	3:00:39	50.00	36.403	22.27	-50.0	-2.46	98	55.85	29.550	7.74	-123.6	-0.4
11/15/2004	3:30:39	50.00	36.405	22.27	-50.0	-2.46	99	55.85	29.554	7.74	-95.4	-0.4
11/15/2004	4:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.76	29.487	7.74	-121.5	-0.6
11/15/2004	4:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.76	29.484	7.74	-125.6	-0.1
11/15/2004	5:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.70	29.442	7.74	-128.0	0.1
11/15/2004	5:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.62	29.387	7.74	-124.9	-1.0
11/15/2004	6:00:39	50.00	36.404	22.27	-50.0	-2.46	99	55.53	29.316	7.74	-128.1	-0.7
11/15/2004	6:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.37	29.201	7.73	-137.8	-1.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/15/2004	7:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.28	29.140	7.73	-137.8	-0.8
11/15/2004	7:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.14	29.037	7.73	-136.9	-1.2
11/15/2004	8:00:39	50.00	36.404	22.27	-50.0	-2.46	99	54.96	28.911	7.73	-94.3	-0.8
11/15/2004	8:30:39	50.00	36.404	22.27	-50.0	-2.46	99	54.86	28.840	7.73	-105.4	-1.1
11/15/2004	9:00:39	50.00	36.404	22.27	-50.0	-2.46	98	54.71	28.727	7.73	-144.0	-0.7
11/15/2004	9:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.69	28.716	7.74	-173.2	0.1
11/15/2004	10:00:39	50.00	36.403	22.26	-50.0	-2.46	99	54.65	28.687	7.74	-222.0	1.7
11/15/2004	10:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.74	28.750	7.74	-195.1	0.9
11/15/2004	11:00:39	50.00	36.404	22.27	-50.0	-2.46	98	54.83	28.820	7.74	-158.3	0.1
11/15/2004	11:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.99	28.929	7.73	-170.5	1.7
11/15/2004	12:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.19	29.072	7.73	-174.1	6.8
11/15/2004	12:30:39	50.00	36.403	22.27	-50.0	-2.46	99	55.49	29.288	7.73	-148.6	17.6
11/15/2004	13:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.58	29.350	7.73	-145.4	4.5
11/15/2004	13:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.65	29.407	7.73	-140.1	1.9
11/16/2004	14:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.87	29.560	7.73	-138.2	1.5
11/16/2004	14:30:39	50.00	36.405	22.27	-50.0	-2.46	99	55.92	29.598	7.73	-114.7	5.7
11/16/2004	15:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.89	29.575	7.73	-119.1	5.5
11/16/2004	15:30:39	50.00	36.403	22.27	-50.0	-2.46	99	56.03	29.676	7.73	-74.7	4.2
11/16/2004	16:00:39	50.00	36.403	22.27	-50.0	-2.46	99	56.08	29.710	7.72	-116.9	6.9
11/16/2004	16:30:39	50.00	36.404	22.27	-50.0	-2.46	99	55.87	29.558	7.73	-126.9	5.3
11/16/2004	17:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.71	29.448	7.74	-96.2	14.4
11/16/2004	17:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.74	29.470	7.73	-103.8	5.8
11/16/2004	18:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.54	29.324	7.74	-104.8	9.9
11/16/2004	18:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.69	29.429	7.74	-101.4	5.7
11/16/2004	19:00:39	50.00	36.403	22.26	-50.0	-2.46	98	56.18	29.785	7.74	-95.4	25.7
11/16/2004	19:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.33	29.171	7.74	-71.4	16.1
11/16/2004	20:00:39	50.00	36.403	22.26	-50.0	-2.46	98	55.23	29.101	7.74	-73.3	11.2
11/16/2004	20:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.09	29.005	7.74	-72.1	12.6
11/16/2004	21:00:39	50.00	36.403	22.26	-50.0	-2.46	99	54.89	28.855	7.74	-88.9	5.3
11/16/2004	21:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.59	28.647	7.74	-97.0	5.8
11/16/2004	22:00:39	50.00	36.402	22.26	-50.0	-2.46	99	54.93	28.883	7.74	-125.3	24.9
11/16/2004	22:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.41	28.507	7.74	-219.0	14.0
11/16/2004	23:00:39	50.00	36.403	22.27	-50.0	-2.46	99	54.56	28.623	7.73	-138.2	15.2
11/16/2004	23:30:39	50.00	36.403	22.26	-50.0	-2.46	99	54.80	28.796	7.74	-160.2	6.3
11/16/2004	0:00:39	50.00	36.403	22.26	-50.0	-2.46	99	54.79	28.791	7.74	-138.7	3.2
11/16/2004	0:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.18	29.068	7.74	-100.8	17.0
11/16/2004	1:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.21	29.086	7.74	-104.2	15.0
11/16/2004	1:30:39	50.00	36.403	22.26	-50.0	-2.46	98	55.35	29.192	7.74	-85.1	25.6
11/17/2004	2:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.48	29.279	7.73	-82.6	5.6
11/17/2004	2:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.65	29.401	7.73	-78.9	7.2
11/17/2004	3:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.93	29.605	7.73	-84.2	19.8
11/17/2004	3:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.67	29.422	7.73	-86.3	14.5
11/17/2004	4:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.84	29.544	7.74	-71.3	6.1
11/17/2004	4:30:39	50.00	36.402	22.26	-50.0	-2.46	99	56.02	29.673	7.74	-88.7	20.5
11/17/2004	5:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.66	29.413	7.74	-80.0	7.0
11/17/2004	5:30:39	50.00	36.402	22.26	-50.0	-2.46	98	55.79	29.505	7.74	-79.0	10.8
11/17/2004	6:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.76	29.483	7.74	-76.7	3.9
11/17/2004	6:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.81	29.516	7.74	-54.8	9.6
11/17/2004	7:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.55	29.334	7.74	-56.0	4.8
11/17/2004	7:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.36	29.197	7.74	3.8	6.7
11/17/2004	8:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.51	29.300	7.73	-29.6	27.2
11/17/2004	8:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.08	28.994	7.74	-25.1	8.6
11/17/2004	9:00:39	50.00	36.402	22.26	-50.0	-2.46	99	54.94	28.892	7.73	-30.3	5.2
11/17/2004	9:30:39	50.00	36.402	22.26	-50.0	-2.46	99	54.96	28.910	7.73	-37.6	9.5
11/17/2004	10:00:39	50.00	36.402	22.26	-50.0	-2.46	98	54.76	28.765	7.73	-46.4	32.5
11/17/2004	10:30:39	50.00	36.402	22.26	-50.0	-2.46	99	54.80	28.793	7.73	-57.2	10.8
11/17/2004	11:00:39	50.00	36.403	22.26	-50.0	-2.46	99	54.72	28.737	7.74	-122.6	16.2
11/17/2004	11:30:39	50.00	36.402	22.26	-50.0	-2.46	99	54.70	28.723	7.74	-91.2	9.4
11/17/2004	12:00:39	50.00	36.402	22.26	-50.0	-2.46	99	54.83	28.816	7.73	-44.1	20.2
11/17/2004	12:30:39	50.00	36.401	22.26	-50.0	-2.46	99	54.86	28.833	7.74	-65.2	20.2
11/17/2004	13:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.14	29.039	7.74	-73.2	20.0
11/17/2004	13:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.16	29.050	7.73	-33.0	14.8
11/18/2004	14:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.15	29.050	7.73	-76.6	27.4
11/18/2004	14:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.52	29.314	7.74	-3.7	18.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
July 15, 2004 - November 19, 2004												
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	Do %	DO Conc mg/L	DO chrg	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/ sec*m^2	Turbidity NTU
11/18/2004	15:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.44	29.253	7.74	-43.6	17.7
11/18/2004	15:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.58	29.352	7.74	-5.5	30.8
11/18/2004	16:00:39	50.00	36.402	22.26	-50.0	-2.46	98	55.62	29.389	7.73	53.6	3.4
11/18/2004	16:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.74	29.472	7.74	37.6	4.2
11/18/2004	17:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.65	29.406	7.74	-77.9	3.0
11/18/2004	17:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.69	29.438	7.74	-64.8	2.2
11/18/2004	18:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.57	29.346	7.74	-71.2	4.8
11/18/2004	18:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.64	29.397	7.73	31.5	10.8
11/18/2004	19:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.48	29.286	7.74	-30.5	3.1
11/18/2004	19:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.55	29.334	7.74	-21.5	5.6
11/18/2004	20:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.42	29.241	7.73	-22.9	4.0
11/18/2004	20:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.39	29.217	7.73	-28.6	6.2
11/18/2004	21:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.25	29.116	7.73	-24.6	18.2
11/18/2004	21:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.17	29.059	7.74	-63.0	6.6
11/18/2004	22:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.09	29.002	7.73	-6.7	8.2
11/18/2004	22:30:39	50.00	36.401	22.26	-50.0	-2.46	99	54.99	28.933	7.73	-91.2	7.9
11/18/2004	23:00:39	50.00	36.401	22.26	-50.0	-2.46	99	54.93	28.893	7.73	-72.1	9.8
11/18/2004	23:30:39	50.00	36.401	22.26	-50.0	-2.46	99	54.79	28.789	7.74	-60.9	8.5
11/18/2004	0:00:39	50.00	36.401	22.26	-50.0	-2.46	99	54.89	28.862	7.74	-54.7	11.2
11/18/2004	0:30:39	50.00	36.401	22.26	-50.0	-2.46	99	54.84	28.826	7.74	2.6	8.9
11/18/2004	1:00:39	50.00	36.401	22.26	-50.0	-2.46	99	54.86	28.842	7.74	-125.5	17.1
11/18/2004	1:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.09	29.004	7.74	-27.6	2.8
11/19/2004	2:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.17	29.067	7.73	-115.4	730.4
11/19/2004	2:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.32	29.168	7.73	-45.2	3.4
11/19/2004	3:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.47	29.284	7.73	-135.4	5.6
11/19/2004	3:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.58	29.359	7.73	-29.4	7.0
11/19/2004	4:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.57	29.350	7.73	-51.2	5.7
11/19/2004	4:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.63	29.393	7.73	-83.8	3.3
11/19/2004	5:00:39	50.00	36.403	22.27	-50.0	-2.46	99	55.52	29.314	7.73	-35.9	5.0
11/19/2004	5:30:39	50.00	36.403	22.26	-50.0	-2.46	99	55.50	29.299	7.73	-46.8	9.8
11/19/2004	6:00:39	50.00	36.403	22.26	-50.0	-2.46	99	55.52	29.317	7.73	-39.2	8.4
11/19/2004	6:30:39	50.00	36.402	22.26	-50.0	-2.46	99	55.50	29.302	7.73	-74.8	6.2
11/19/2004	7:00:39	50.00	36.402	22.26	-50.0	-2.46	99	55.47	29.279	7.74	-47.9	9.2
11/19/2004	7:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.30	29.155	7.74	-39.2	3.7
11/19/2004	8:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.41	29.234	7.74	-15.3	4.3
11/19/2004	8:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.33	29.180	7.74	-43.4	2.5
11/19/2004	9:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.34	29.185	7.74	-39.3	5.0
11/19/2004	9:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.24	29.110	7.76	-111.1	2.0
11/19/2004	10:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.15	29.051	7.75	-125.7	3.7
11/19/2004	10:30:39	50.00	36.401	22.26	-50.0	-2.46	99	55.09	29.003	7.75	-115.5	2.3
11/19/2004	11:00:39	50.00	36.401	22.26	-50.0	-2.46	99	55.00	28.943	7.76	-163.3	3.4
11/19/2004	11:30:39	50.00	36.401	22.26	-50.0	-2.46	99	54.98	28.926	7.75	-101.9	3.2
11/19/2004	12:00:39	50.00	36.402	22.26	-50.0	-2.46	99	54.90	28.872	7.75	-101.1	3.9
11/19/2004	12:30:39	50.00	36.401	22.26	-50.0	-2.46	98	54.92	28.882	7.74	-79.6	4.8
11/19/2004	13:00:39	50.00	36.401	22.26	-50.0	-2.46	98	54.97	28.920	7.74	-85.5	3.1
11/19/2004	13:30:39	50.00	34.164	20.75	-50.0	-2.48	99	14.71	0.007	6.20	-74.7	54.9

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/15/04 10:30:02.0	20.53
07/15/04 11:30:02.0	25.67
07/15/04 12:30:02.0	35.69
07/15/04 13:30:02.0	27.95
07/15/04 14:30:02.0	28.02
07/15/04 15:30:02.0	28.07
07/15/04 16:30:02.0	28.15
07/15/04 17:30:02.0	28.12
07/15/04 18:30:02.0	28.12
07/15/04 19:30:02.0	28.12
07/15/04 20:30:02.0	28.12
07/15/04 21:30:02.0	28.15
07/15/04 22:30:02.0	28.15
07/15/04 23:30:02.0	28.20
07/16/04 00:30:02.0	28.27
07/16/04 01:30:02.0	28.22
07/16/04 02:30:02.0	28.07
07/16/04 03:30:02.0	27.88
07/16/04 04:30:02.0	27.75
07/16/04 05:30:02.0	27.75
07/16/04 06:30:02.0	27.78
07/16/04 07:30:02.0	27.80
07/16/04 08:30:02.0	27.83
07/16/04 09:30:02.0	28.57
07/16/04 10:30:02.0	28.59
07/16/04 11:30:02.0	28.30
07/16/04 12:30:02.0	28.44
07/16/04 13:30:02.0	28.47
07/16/04 14:30:02.0	28.52
07/16/04 15:30:02.0	28.57
07/16/04 16:30:02.0	28.59
07/16/04 17:30:02.0	28.52
07/16/04 18:30:02.0	28.57
07/16/04 19:30:02.0	28.54
07/16/04 20:30:02.0	28.54
07/16/04 21:30:02.0	28.69
07/16/04 22:30:02.0	28.82
07/16/04 23:30:02.0	28.82
07/17/04 00:30:02.0	28.89
07/17/04 01:30:02.0	28.77
07/17/04 02:30:02.0	28.54
07/17/04 03:30:02.0	28.44
07/17/04 04:30:02.0	28.62
07/17/04 05:30:02.0	27.46
07/17/04 06:30:02.0	27.41
07/17/04 07:30:02.0	27.48
07/17/04 08:30:02.0	27.55
07/17/04 09:30:02.0	27.63
07/17/04 10:30:02.0	27.75
07/17/04 11:30:02.0	27.85
07/17/04 12:30:02.0	28.12
07/17/04 13:30:02.0	28.17
07/17/04 14:30:02.0	28.00
07/17/04 15:30:02.0	28.12
07/17/04 16:30:02.0	28.17
07/17/04 17:30:02.0	28.17
07/17/04 18:30:02.0	28.22
07/17/04 19:30:02.0	28.22
07/17/04 20:30:02.0	28.37

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	678047
Memory Size (Bytes)	32768
Deployment	3
Series Info	Information about the data in the series
Points Used	3057
First Point	07/15/04 10:30:02.0
Last Point	11/19/04 17:30:02.0
Duration	127 Days 08:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	35.69
Min Value	20.53
Avg Value	27.93
Launch Parameters	
Load Time	07/15/2004 15:30:01 GMT 07/15/2004 10:30:01 Local
Launch Time	07/15/2004 15:30:02 GMT 07/15/2004 10:30:02 Local
Logging Time	07/15/2004 15:30:02 GMT 07/15/2004 10:30:02 Local
Sampling Interval	3600
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0x1377_04
Wrap Count	0
Description String	WFGB 7-15-04
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/17/04 21:30:02.0	28.42
07/17/04 22:30:02.0	28.47
07/17/04 23:30:02.0	28.42
07/18/04 00:30:02.0	28.54
07/18/04 01:30:02.0	28.49
07/18/04 02:30:02.0	28.39
07/18/04 03:30:02.0	28.12
07/18/04 04:30:02.0	28.15
07/18/04 05:30:02.0	27.78
07/18/04 06:30:02.0	27.28
07/18/04 07:30:02.0	27.24
07/18/04 08:30:02.0	27.28
07/18/04 09:30:02.0	27.36
07/18/04 10:30:02.0	27.43
07/18/04 11:30:02.0	27.48
07/18/04 12:30:02.0	27.60
07/18/04 13:30:02.0	27.65
07/18/04 14:30:02.0	27.70
07/18/04 15:30:02.0	27.60
07/18/04 16:30:02.0	27.31
07/18/04 17:30:02.0	27.36
07/18/04 18:30:02.0	26.84
07/18/04 19:30:02.0	26.84
07/18/04 20:30:02.0	26.79
07/18/04 21:30:02.0	26.84
07/18/04 22:30:02.0	26.92
07/18/04 23:30:02.0	27.36
07/19/04 00:30:02.0	28.05
07/19/04 01:30:02.0	28.27
07/19/04 02:30:02.0	27.55
07/19/04 03:30:02.0	27.70
07/19/04 04:30:02.0	27.68
07/19/04 05:30:02.0	27.68
07/19/04 06:30:02.0	27.63
07/19/04 07:30:02.0	26.99
07/19/04 08:30:02.0	27.06
07/19/04 09:30:02.0	27.11
07/19/04 10:30:02.0	27.16
07/19/04 11:30:02.0	27.41
07/19/04 12:30:02.0	27.68
07/19/04 13:30:02.0	27.78
07/19/04 14:30:02.0	27.83
07/19/04 15:30:02.0	27.97
07/19/04 16:30:02.0	27.80
07/19/04 17:30:02.0	27.58
07/19/04 18:30:02.0	27.55
07/19/04 19:30:02.0	27.58
07/19/04 20:30:02.0	27.63
07/19/04 21:30:02.0	27.65
07/19/04 22:30:02.0	27.75
07/19/04 23:30:02.0	27.83
07/20/04 00:30:02.0	27.85
07/20/04 01:30:02.0	27.83
07/20/04 02:30:02.0	27.41
07/20/04 03:30:02.0	27.43
07/20/04 04:30:02.0	27.38
07/20/04 05:30:02.0	27.06
07/20/04 06:30:02.0	27.04
07/20/04 07:30:02.0	27.01

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/20/04 08:30:02.0	27.06
07/20/04 09:30:02.0	26.97
07/20/04 10:30:02.0	26.89
07/20/04 11:30:02.0	26.92
07/20/04 12:30:02.0	27.06
07/20/04 13:30:02.0	27.14
07/20/04 14:30:02.0	27.19
07/20/04 15:30:02.0	27.01
07/20/04 16:30:02.0	27.04
07/20/04 17:30:02.0	26.89
07/20/04 18:30:02.0	26.94
07/20/04 19:30:02.0	27.01
07/20/04 20:30:02.0	27.01
07/20/04 21:30:02.0	27.01
07/20/04 22:30:02.0	27.04
07/20/04 23:30:02.0	27.06
07/21/04 00:30:02.0	27.16
07/21/04 01:30:02.0	27.14
07/21/04 02:30:02.0	27.21
07/21/04 03:30:02.0	27.19
07/21/04 04:30:02.0	27.11
07/21/04 05:30:02.0	27.11
07/21/04 06:30:02.0	27.09
07/21/04 07:30:02.0	27.11
07/21/04 08:30:02.0	27.14
07/21/04 09:30:02.0	27.19
07/21/04 10:30:02.0	27.36
07/21/04 11:30:02.0	27.14
07/21/04 12:30:02.0	27.16
07/21/04 13:30:02.0	27.16
07/21/04 14:30:02.0	27.16
07/21/04 15:30:02.0	27.04
07/21/04 16:30:02.0	27.06
07/21/04 17:30:02.0	26.99
07/21/04 18:30:02.0	27.01
07/21/04 19:30:02.0	26.94
07/21/04 20:30:02.0	27.14
07/21/04 21:30:02.0	27.06
07/21/04 22:30:02.0	27.09
07/21/04 23:30:02.0	27.14
07/22/04 00:30:02.0	27.16
07/22/04 01:30:02.0	27.19
07/22/04 02:30:02.0	27.19
07/22/04 03:30:02.0	27.24
07/22/04 04:30:02.0	27.36
07/22/04 05:30:02.0	27.31
07/22/04 06:30:02.0	27.01
07/22/04 07:30:02.0	27.01
07/22/04 08:30:02.0	27.06
07/22/04 09:30:02.0	27.09
07/22/04 10:30:02.0	27.16
07/22/04 11:30:02.0	27.28
07/22/04 12:30:02.0	28.20
07/22/04 13:30:02.0	28.37
07/22/04 14:30:02.0	28.49
07/22/04 15:30:02.0	28.27
07/22/04 16:30:02.0	27.85
07/22/04 17:30:02.0	27.43
07/22/04 18:30:02.0	27.28

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/22/04 19:30:02.0	27.28
07/22/04 20:30:02.0	27.31
07/22/04 21:30:02.0	27.31
07/22/04 22:30:02.0	27.31
07/22/04 23:30:02.0	27.33
07/23/04 00:30:02.0	27.33
07/23/04 01:30:02.0	27.38
07/23/04 02:30:02.0	27.38
07/23/04 03:30:02.0	27.41
07/23/04 04:30:02.0	27.46
07/23/04 05:30:02.0	27.65
07/23/04 06:30:02.0	27.73
07/23/04 07:30:02.0	27.65
07/23/04 08:30:02.0	27.73
07/23/04 09:30:02.0	27.85
07/23/04 10:30:02.0	27.92
07/23/04 11:30:02.0	27.97
07/23/04 12:30:02.0	28.05
07/23/04 13:30:02.0	28.10
07/23/04 14:30:02.0	28.22
07/23/04 15:30:02.0	28.35
07/23/04 16:30:02.0	28.44
07/23/04 17:30:02.0	28.37
07/23/04 18:30:02.0	28.35
07/23/04 19:30:02.0	28.35
07/23/04 20:30:02.0	27.51
07/23/04 21:30:02.0	27.38
07/23/04 22:30:02.0	27.38
07/23/04 23:30:02.0	27.41
07/24/04 00:30:02.0	27.43
07/24/04 01:30:02.0	27.48
07/24/04 02:30:02.0	27.55
07/24/04 03:30:02.0	27.58
07/24/04 04:30:02.0	27.58
07/24/04 05:30:02.0	27.60
07/24/04 06:30:02.0	27.60
07/24/04 07:30:02.0	27.65
07/24/04 08:30:02.0	27.70
07/24/04 09:30:02.0	27.75
07/24/04 10:30:02.0	27.83
07/24/04 11:30:02.0	27.90
07/24/04 12:30:02.0	28.00
07/24/04 13:30:02.0	28.42
07/24/04 14:30:02.0	28.57
07/24/04 15:30:02.0	28.54
07/24/04 16:30:02.0	28.49
07/24/04 17:30:02.0	28.05
07/24/04 18:30:02.0	28.00
07/24/04 19:30:02.0	27.26
07/24/04 20:30:02.0	27.06
07/24/04 21:30:02.0	26.89
07/24/04 22:30:02.0	26.94
07/24/04 23:30:02.0	26.97
07/25/04 00:30:02.0	26.99
07/25/04 01:30:02.0	26.77
07/25/04 02:30:02.0	26.79
07/25/04 03:30:02.0	26.79
07/25/04 04:30:02.0	26.82
07/25/04 05:30:02.0	26.87

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/25/04 06:30:02.0	26.87
07/25/04 07:30:02.0	26.89
07/25/04 08:30:02.0	26.94
07/25/04 09:30:02.0	27.01
07/25/04 10:30:02.0	27.11
07/25/04 11:30:02.0	27.16
07/25/04 12:30:02.0	27.19
07/25/04 13:30:02.0	27.31
07/25/04 14:30:02.0	27.36
07/25/04 15:30:02.0	27.43
07/25/04 16:30:02.0	27.48
07/25/04 17:30:02.0	27.51
07/25/04 18:30:02.0	27.51
07/25/04 19:30:02.0	27.41
07/25/04 20:30:02.0	27.21
07/25/04 21:30:02.0	26.97
07/25/04 22:30:02.0	26.84
07/25/04 23:30:02.0	26.67
07/26/04 00:30:02.0	26.38
07/26/04 01:30:02.0	26.23
07/26/04 02:30:02.0	26.28
07/26/04 03:30:02.0	26.35
07/26/04 04:30:02.0	26.43
07/26/04 05:30:02.0	26.45
07/26/04 06:30:02.0	26.55
07/26/04 07:30:02.0	26.67
07/26/04 08:30:02.0	26.77
07/26/04 09:30:02.0	26.87
07/26/04 10:30:02.0	27.04
07/26/04 11:30:02.0	27.01
07/26/04 12:30:02.0	27.09
07/26/04 13:30:02.0	27.09
07/26/04 14:30:02.0	27.16
07/26/04 15:30:02.0	27.24
07/26/04 16:30:02.0	27.28
07/26/04 17:30:02.0	27.31
07/26/04 18:30:02.0	27.31
07/26/04 19:30:02.0	27.43
07/26/04 20:30:02.0	27.53
07/26/04 21:30:02.0	27.43
07/26/04 22:30:02.0	27.90
07/26/04 23:30:02.0	27.75
07/27/04 00:30:02.0	27.21
07/27/04 01:30:02.0	26.70
07/27/04 02:30:02.0	26.65
07/27/04 03:30:02.0	26.65
07/27/04 04:30:02.0	26.70
07/27/04 05:30:02.0	26.79
07/27/04 06:30:02.0	26.82
07/27/04 07:30:02.0	26.84
07/27/04 08:30:02.0	26.92
07/27/04 09:30:02.0	27.04
07/27/04 10:30:02.0	27.11
07/27/04 11:30:02.0	27.19
07/27/04 12:30:02.0	27.33
07/27/04 13:30:02.0	27.19
07/27/04 14:30:02.0	27.26
07/27/04 15:30:02.0	27.26
07/27/04 16:30:02.0	27.36

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/27/04 17:30:02.0	27.38
07/27/04 18:30:02.0	27.43
07/27/04 19:30:02.0	27.48
07/27/04 20:30:02.0	27.95
07/27/04 21:30:02.0	28.02
07/27/04 22:30:02.0	27.97
07/27/04 23:30:02.0	27.90
07/28/04 00:30:02.0	27.46
07/28/04 01:30:02.0	27.21
07/28/04 02:30:02.0	26.99
07/28/04 03:30:02.0	27.04
07/28/04 04:30:02.0	27.16
07/28/04 05:30:02.0	27.28
07/28/04 06:30:02.0	27.11
07/28/04 07:30:02.0	27.19
07/28/04 08:30:02.0	27.33
07/28/04 09:30:02.0	27.92
07/28/04 10:30:02.0	27.88
07/28/04 11:30:02.0	27.83
07/28/04 12:30:02.0	27.80
07/28/04 13:30:02.0	27.65
07/28/04 14:30:02.0	27.60
07/28/04 15:30:02.0	27.65
07/28/04 16:30:02.0	27.68
07/28/04 17:30:02.0	27.73
07/28/04 18:30:02.0	27.73
07/28/04 19:30:02.0	27.75
07/28/04 20:30:02.0	27.75
07/28/04 21:30:02.0	27.88
07/28/04 22:30:02.0	27.68
07/28/04 23:30:02.0	27.75
07/29/04 00:30:02.0	27.75
07/29/04 01:30:02.0	27.75
07/29/04 02:30:02.0	27.51
07/29/04 03:30:02.0	27.55
07/29/04 04:30:02.0	27.55
07/29/04 05:30:02.0	27.63
07/29/04 06:30:02.0	27.70
07/29/04 07:30:02.0	27.85
07/29/04 08:30:02.0	27.85
07/29/04 09:30:02.0	27.92
07/29/04 10:30:02.0	28.00
07/29/04 11:30:02.0	28.15
07/29/04 12:30:02.0	27.68
07/29/04 13:30:02.0	27.46
07/29/04 14:30:02.0	27.65
07/29/04 15:30:02.0	27.21
07/29/04 16:30:02.0	27.26
07/29/04 17:30:02.0	27.31
07/29/04 18:30:02.0	27.33
07/29/04 19:30:02.0	27.36
07/29/04 20:30:02.0	27.41
07/29/04 21:30:02.0	27.48
07/29/04 22:30:02.0	27.48
07/29/04 23:30:02.0	27.51
07/30/04 00:30:02.0	27.41
07/30/04 01:30:02.0	27.43
07/30/04 02:30:02.0	27.43
07/30/04 03:30:02.0	27.51

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
07/30/04 04:30:02.0	27.55
07/30/04 05:30:02.0	27.63
07/30/04 06:30:02.0	27.75
07/30/04 07:30:02.0	27.75
07/30/04 08:30:02.0	27.78
07/30/04 09:30:02.0	27.85
07/30/04 10:30:02.0	27.88
07/30/04 11:30:02.0	27.90
07/30/04 12:30:02.0	27.63
07/30/04 13:30:02.0	27.11
07/30/04 14:30:02.0	26.94
07/30/04 15:30:02.0	26.99
07/30/04 16:30:02.0	27.04
07/30/04 17:30:02.0	27.09
07/30/04 18:30:02.0	27.14
07/30/04 19:30:02.0	27.06
07/30/04 20:30:02.0	27.09
07/30/04 21:30:02.0	27.11
07/30/04 22:30:02.0	27.14
07/30/04 23:30:02.0	27.16
07/31/04 00:30:02.0	27.21
07/31/04 01:30:02.0	27.19
07/31/04 02:30:02.0	27.28
07/31/04 03:30:02.0	27.26
07/31/04 04:30:02.0	27.33
07/31/04 05:30:02.0	26.84
07/31/04 06:30:02.0	26.84
07/31/04 07:30:02.0	26.94
07/31/04 08:30:02.0	27.11
07/31/04 09:30:02.0	26.89
07/31/04 10:30:02.0	26.72
07/31/04 11:30:02.0	26.84
07/31/04 12:30:02.0	26.94
07/31/04 13:30:02.0	27.04
07/31/04 14:30:02.0	26.97
07/31/04 15:30:02.0	26.84
07/31/04 16:30:02.0	26.89
07/31/04 17:30:02.0	26.92
07/31/04 18:30:02.0	26.92
07/31/04 19:30:02.0	26.89
07/31/04 20:30:02.0	26.92
07/31/04 21:30:02.0	26.97
07/31/04 22:30:02.0	26.94
07/31/04 23:30:02.0	27.01
08/01/04 00:30:02.0	26.99
08/01/04 01:30:02.0	27.04
08/01/04 02:30:02.0	26.33
08/01/04 03:30:02.0	26.21
08/01/04 04:30:02.0	25.82
08/01/04 05:30:02.0	25.65
08/01/04 06:30:02.0	25.74
08/01/04 07:30:02.0	25.82
08/01/04 08:30:02.0	25.96
08/01/04 09:30:02.0	26.01
08/01/04 10:30:02.0	26.13
08/01/04 11:30:02.0	26.30
08/01/04 12:30:02.0	26.35
08/01/04 13:30:02.0	26.50
08/01/04 14:30:02.0	26.57

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/01/04 15:30:02.0	26.67
08/01/04 16:30:02.0	26.45
08/01/04 17:30:02.0	26.55
08/01/04 18:30:02.0	26.65
08/01/04 19:30:02.0	26.62
08/01/04 20:30:02.0	26.62
08/01/04 21:30:02.0	26.65
08/01/04 22:30:02.0	26.70
08/01/04 23:30:02.0	26.70
08/02/04 00:30:02.0	26.77
08/02/04 01:30:02.0	26.74
08/02/04 02:30:02.0	26.77
08/02/04 03:30:02.0	26.60
08/02/04 04:30:02.0	26.23
08/02/04 05:30:02.0	26.26
08/02/04 06:30:02.0	26.26
08/02/04 07:30:02.0	26.33
08/02/04 08:30:02.0	26.38
08/02/04 09:30:02.0	26.43
08/02/04 10:30:02.0	26.52
08/02/04 11:30:02.0	26.65
08/02/04 12:30:02.0	26.74
08/02/04 13:30:02.0	26.82
08/02/04 14:30:02.0	26.55
08/02/04 15:30:02.0	26.38
08/02/04 16:30:02.0	26.43
08/02/04 17:30:02.0	26.48
08/02/04 18:30:02.0	26.48
08/02/04 19:30:02.0	26.48
08/02/04 20:30:02.0	26.52
08/02/04 21:30:02.0	26.52
08/02/04 22:30:02.0	26.60
08/02/04 23:30:02.0	26.65
08/03/04 00:30:02.0	26.70
08/03/04 01:30:02.0	26.84
08/03/04 02:30:02.0	26.94
08/03/04 03:30:02.0	26.99
08/03/04 04:30:02.0	27.06
08/03/04 05:30:02.0	27.04
08/03/04 06:30:02.0	27.16
08/03/04 07:30:02.0	27.09
08/03/04 08:30:02.0	27.16
08/03/04 09:30:02.0	27.26
08/03/04 10:30:02.0	27.31
08/03/04 11:30:02.0	27.38
08/03/04 12:30:02.0	27.43
08/03/04 13:30:02.0	27.63
08/03/04 14:30:02.0	27.14
08/03/04 15:30:02.0	27.11
08/03/04 16:30:02.0	27.19
08/03/04 17:30:02.0	26.70
08/03/04 18:30:02.0	26.35
08/03/04 19:30:02.0	26.43
08/03/04 20:30:02.0	26.43
08/03/04 21:30:02.0	26.45
08/03/04 22:30:02.0	26.45
08/03/04 23:30:02.0	26.50
08/04/04 00:30:02.0	26.57
08/04/04 01:30:02.0	26.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/04/04 02:30:02.0	26.70
08/04/04 03:30:02.0	26.79
08/04/04 04:30:02.0	26.92
08/04/04 05:30:02.0	27.16
08/04/04 06:30:02.0	27.04
08/04/04 07:30:02.0	27.14
08/04/04 08:30:02.0	27.19
08/04/04 09:30:02.0	27.19
08/04/04 10:30:02.0	27.28
08/04/04 11:30:02.0	27.38
08/04/04 12:30:02.0	27.46
08/04/04 13:30:02.0	27.51
08/04/04 14:30:02.0	27.65
08/04/04 15:30:02.0	27.97
08/04/04 16:30:02.0	28.30
08/04/04 17:30:02.0	27.85
08/04/04 18:30:02.0	27.46
08/04/04 19:30:02.0	27.41
08/04/04 20:30:02.0	27.43
08/04/04 21:30:02.0	27.48
08/04/04 22:30:02.0	27.51
08/04/04 23:30:02.0	27.53
08/05/04 00:30:02.0	27.53
08/05/04 01:30:02.0	27.60
08/05/04 02:30:02.0	27.63
08/05/04 03:30:02.0	27.43
08/05/04 04:30:02.0	27.53
08/05/04 05:30:02.0	27.75
08/05/04 06:30:02.0	27.83
08/05/04 07:30:02.0	27.90
08/05/04 08:30:02.0	27.85
08/05/04 09:30:02.0	28.02
08/05/04 10:30:02.0	28.25
08/05/04 11:30:02.0	28.27
08/05/04 12:30:02.0	28.32
08/05/04 13:30:02.0	28.44
08/05/04 14:30:02.0	28.42
08/05/04 15:30:02.0	28.37
08/05/04 16:30:02.0	28.05
08/05/04 17:30:02.0	27.78
08/05/04 18:30:02.0	27.70
08/05/04 19:30:02.0	27.48
08/05/04 20:30:02.0	27.24
08/05/04 21:30:02.0	27.24
08/05/04 22:30:02.0	27.26
08/05/04 23:30:02.0	27.31
08/06/04 00:30:02.0	27.31
08/06/04 01:30:02.0	27.36
08/06/04 02:30:02.0	27.58
08/06/04 03:30:02.0	27.68
08/06/04 04:30:02.0	27.73
08/06/04 05:30:02.0	27.90
08/06/04 06:30:02.0	27.90
08/06/04 07:30:02.0	28.02
08/06/04 08:30:02.0	28.12
08/06/04 09:30:02.0	28.17
08/06/04 10:30:02.0	28.20
08/06/04 11:30:02.0	28.20
08/06/04 12:30:02.0	28.20

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/06/04 13:30:02.0	28.12
08/06/04 14:30:02.0	28.17
08/06/04 15:30:02.0	28.20
08/06/04 16:30:02.0	28.32
08/06/04 17:30:02.0	27.85
08/06/04 18:30:02.0	27.95
08/06/04 19:30:02.0	27.83
08/06/04 20:30:02.0	27.85
08/06/04 21:30:02.0	27.60
08/06/04 22:30:02.0	27.70
08/06/04 23:30:02.0	27.83
08/07/04 00:30:02.0	27.90
08/07/04 01:30:02.0	28.02
08/07/04 02:30:02.0	28.05
08/07/04 03:30:02.0	28.10
08/07/04 04:30:02.0	28.32
08/07/04 05:30:02.0	27.95
08/07/04 06:30:02.0	27.24
08/07/04 07:30:02.0	27.14
08/07/04 08:30:02.0	27.16
08/07/04 09:30:02.0	27.28
08/07/04 10:30:02.0	27.36
08/07/04 11:30:02.0	27.41
08/07/04 12:30:02.0	27.58
08/07/04 13:30:02.0	27.90
08/07/04 14:30:02.0	27.78
08/07/04 15:30:02.0	27.85
08/07/04 16:30:02.0	27.63
08/07/04 17:30:02.0	27.53
08/07/04 18:30:02.0	27.46
08/07/04 19:30:02.0	27.36
08/07/04 20:30:02.0	26.09
08/07/04 21:30:02.0	26.11
08/07/04 22:30:02.0	26.11
08/07/04 23:30:02.0	26.13
08/08/04 00:30:02.0	26.21
08/08/04 01:30:02.0	26.23
08/08/04 02:30:02.0	26.35
08/08/04 03:30:02.0	26.38
08/08/04 04:30:02.0	26.50
08/08/04 05:30:02.0	26.57
08/08/04 06:30:02.0	26.97
08/08/04 07:30:02.0	27.01
08/08/04 08:30:02.0	26.09
08/08/04 09:30:02.0	26.13
08/08/04 10:30:02.0	26.23
08/08/04 11:30:02.0	26.30
08/08/04 12:30:02.0	26.40
08/08/04 13:30:02.0	26.52
08/08/04 14:30:02.0	27.33
08/08/04 15:30:02.0	27.16
08/08/04 16:30:02.0	26.99
08/08/04 17:30:02.0	26.97
08/08/04 18:30:02.0	27.01
08/08/04 19:30:02.0	26.79
08/08/04 20:30:02.0	26.77
08/08/04 21:30:02.0	26.48
08/08/04 22:30:02.0	26.21
08/08/04 23:30:02.0	26.28

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/09/04 00:30:02.0	26.33
08/09/04 01:30:02.0	26.60
08/09/04 02:30:02.0	26.57
08/09/04 03:30:02.0	26.50
08/09/04 04:30:02.0	26.50
08/09/04 05:30:02.0	26.55
08/09/04 06:30:02.0	26.57
08/09/04 07:30:02.0	26.72
08/09/04 08:30:02.0	26.60
08/09/04 09:30:02.0	26.72
08/09/04 10:30:02.0	26.89
08/09/04 11:30:02.0	26.99
08/09/04 12:30:02.0	27.09
08/09/04 13:30:02.0	27.24
08/09/04 14:30:02.0	27.11
08/09/04 15:30:02.0	26.94
08/09/04 16:30:02.0	27.21
08/09/04 17:30:02.0	27.28
08/09/04 18:30:02.0	27.04
08/09/04 19:30:02.0	26.92
08/09/04 20:30:02.0	26.87
08/09/04 21:30:02.0	26.82
08/09/04 22:30:02.0	26.72
08/09/04 23:30:02.0	26.72
08/10/04 00:30:02.0	26.74
08/10/04 01:30:02.0	26.60
08/10/04 02:30:02.0	26.28
08/10/04 03:30:02.0	26.01
08/10/04 04:30:02.0	25.87
08/10/04 05:30:02.0	26.04
08/10/04 06:30:02.0	26.06
08/10/04 07:30:02.0	26.18
08/10/04 08:30:02.0	26.84
08/10/04 09:30:02.0	26.84
08/10/04 10:30:02.0	27.16
08/10/04 11:30:02.0	27.36
08/10/04 12:30:02.0	27.53
08/10/04 13:30:02.0	27.58
08/10/04 14:30:02.0	27.21
08/10/04 15:30:02.0	27.26
08/10/04 16:30:02.0	27.26
08/10/04 17:30:02.0	27.06
08/10/04 18:30:02.0	26.82
08/10/04 19:30:02.0	26.94
08/10/04 20:30:02.0	26.77
08/10/04 21:30:02.0	26.70
08/10/04 22:30:02.0	26.70
08/10/04 23:30:02.0	26.48
08/11/04 00:30:02.0	26.18
08/11/04 01:30:02.0	25.89
08/11/04 02:30:02.0	26.06
08/11/04 03:30:02.0	26.09
08/11/04 04:30:02.0	26.13
08/11/04 05:30:02.0	26.16
08/11/04 06:30:02.0	26.26
08/11/04 07:30:02.0	26.40
08/11/04 08:30:02.0	26.48
08/11/04 09:30:02.0	26.52
08/11/04 10:30:02.0	26.62

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/11/04 11:30:02.0	26.82
08/11/04 12:30:02.0	26.67
08/11/04 13:30:02.0	26.70
08/11/04 14:30:02.0	26.74
08/11/04 15:30:02.0	26.94
08/11/04 16:30:02.0	26.94
08/11/04 17:30:02.0	26.99
08/11/04 18:30:02.0	27.04
08/11/04 19:30:02.0	27.46
08/11/04 20:30:02.0	27.09
08/11/04 21:30:02.0	27.04
08/11/04 22:30:02.0	27.09
08/11/04 23:30:02.0	27.24
08/12/04 00:30:02.0	27.21
08/12/04 01:30:02.0	27.28
08/12/04 02:30:02.0	26.94
08/12/04 03:30:02.0	26.94
08/12/04 04:30:02.0	26.94
08/12/04 05:30:02.0	26.97
08/12/04 06:30:02.0	26.99
08/12/04 07:30:02.0	27.01
08/12/04 08:30:02.0	27.06
08/12/04 09:30:02.0	27.09
08/12/04 10:30:02.0	27.06
08/12/04 11:30:02.0	26.97
08/12/04 12:30:02.0	27.09
08/12/04 13:30:02.0	27.01
08/12/04 14:30:02.0	27.01
08/12/04 15:30:02.0	27.14
08/12/04 16:30:02.0	27.16
08/12/04 17:30:02.0	26.87
08/12/04 18:30:02.0	26.87
08/12/04 19:30:02.0	26.28
08/12/04 20:30:02.0	26.50
08/12/04 21:30:02.0	27.19
08/12/04 22:30:02.0	27.09
08/12/04 23:30:02.0	25.70
08/13/04 00:30:02.0	25.87
08/13/04 01:30:02.0	25.94
08/13/04 02:30:02.0	25.65
08/13/04 03:30:02.0	25.48
08/13/04 04:30:02.0	25.48
08/13/04 05:30:02.0	25.65
08/13/04 06:30:02.0	25.82
08/13/04 07:30:02.0	25.87
08/13/04 08:30:02.0	25.89
08/13/04 09:30:02.0	25.96
08/13/04 10:30:02.0	26.09
08/13/04 11:30:02.0	26.16
08/13/04 12:30:02.0	26.28
08/13/04 13:30:02.0	26.40
08/13/04 14:30:02.0	26.55
08/13/04 15:30:02.0	26.35
08/13/04 16:30:02.0	26.16
08/13/04 17:30:02.0	25.94
08/13/04 18:30:02.0	25.82
08/13/04 19:30:02.0	25.67
08/13/04 20:30:02.0	25.77
08/13/04 21:30:02.0	25.79

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/13/04 22:30:02.0	25.89
08/13/04 23:30:02.0	27.01
08/14/04 00:30:02.0	27.68
08/14/04 01:30:02.0	27.97
08/14/04 02:30:02.0	27.65
08/14/04 03:30:02.0	26.92
08/14/04 04:30:02.0	27.14
08/14/04 05:30:02.0	26.84
08/14/04 06:30:02.0	26.26
08/14/04 07:30:02.0	25.99
08/14/04 08:30:02.0	26.01
08/14/04 09:30:02.0	26.11
08/14/04 10:30:02.0	26.23
08/14/04 11:30:02.0	26.30
08/14/04 12:30:02.0	26.40
08/14/04 13:30:02.0	26.50
08/14/04 14:30:02.0	26.60
08/14/04 15:30:02.0	26.67
08/14/04 16:30:02.0	26.79
08/14/04 17:30:02.0	26.94
08/14/04 18:30:02.0	26.70
08/14/04 19:30:02.0	26.26
08/14/04 20:30:02.0	26.35
08/14/04 21:30:02.0	28.30
08/14/04 22:30:02.0	28.15
08/14/04 23:30:02.0	28.44
08/15/04 00:30:02.0	28.64
08/15/04 01:30:02.0	28.69
08/15/04 02:30:02.0	28.72
08/15/04 03:30:02.0	28.77
08/15/04 04:30:02.0	26.28
08/15/04 05:30:02.0	26.23
08/15/04 06:30:02.0	26.13
08/15/04 07:30:02.0	26.23
08/15/04 08:30:02.0	26.23
08/15/04 09:30:02.0	26.30
08/15/04 10:30:02.0	26.38
08/15/04 11:30:02.0	26.48
08/15/04 12:30:02.0	26.57
08/15/04 13:30:02.0	26.65
08/15/04 14:30:02.0	26.72
08/15/04 15:30:02.0	26.79
08/15/04 16:30:02.0	26.87
08/15/04 17:30:02.0	26.94
08/15/04 18:30:02.0	26.94
08/15/04 19:30:02.0	26.97
08/15/04 20:30:02.0	27.01
08/15/04 21:30:02.0	27.09
08/15/04 22:30:02.0	28.54
08/15/04 23:30:02.0	28.64
08/16/04 00:30:02.0	28.62
08/16/04 01:30:02.0	28.59
08/16/04 02:30:02.0	28.10
08/16/04 03:30:02.0	28.20
08/16/04 04:30:02.0	28.30
08/16/04 05:30:02.0	28.32
08/16/04 06:30:02.0	28.27
08/16/04 07:30:02.0	28.27
08/16/04 08:30:02.0	28.17

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/16/04 09:30:02.0	28.10
08/16/04 10:30:02.0	28.22
08/16/04 11:30:02.0	28.22
08/16/04 12:30:02.0	28.25
08/16/04 13:30:02.0	28.30
08/16/04 14:30:02.0	28.37
08/16/04 15:30:02.0	28.42
08/16/04 16:30:02.0	28.47
08/16/04 17:30:02.0	28.44
08/16/04 18:30:02.0	28.42
08/16/04 19:30:02.0	28.42
08/16/04 20:30:02.0	28.44
08/16/04 21:30:02.0	28.49
08/16/04 22:30:02.0	28.54
08/16/04 23:30:02.0	28.52
08/17/04 00:30:02.0	28.54
08/17/04 01:30:02.0	28.74
08/17/04 02:30:02.0	28.79
08/17/04 03:30:02.0	28.77
08/17/04 04:30:02.0	28.72
08/17/04 05:30:02.0	28.64
08/17/04 06:30:02.0	28.64
08/17/04 07:30:02.0	28.67
08/17/04 08:30:02.0	28.62
08/17/04 09:30:02.0	28.62
08/17/04 10:30:02.0	28.69
08/17/04 11:30:02.0	28.69
08/17/04 12:30:02.0	28.57
08/17/04 13:30:02.0	28.64
08/17/04 14:30:02.0	28.57
08/17/04 15:30:02.0	28.57
08/17/04 16:30:02.0	28.62
08/17/04 17:30:02.0	28.64
08/17/04 18:30:02.0	28.72
08/17/04 19:30:02.0	28.74
08/17/04 20:30:02.0	28.74
08/17/04 21:30:02.0	28.82
08/17/04 22:30:02.0	28.77
08/17/04 23:30:02.0	28.74
08/18/04 00:30:02.0	28.69
08/18/04 01:30:02.0	28.17
08/18/04 02:30:02.0	27.53
08/18/04 03:30:02.0	27.68
08/18/04 04:30:02.0	27.60
08/18/04 05:30:02.0	27.58
08/18/04 06:30:02.0	27.46
08/18/04 07:30:02.0	27.53
08/18/04 08:30:02.0	27.73
08/18/04 09:30:02.0	27.83
08/18/04 10:30:02.0	28.15
08/18/04 11:30:02.0	28.15
08/18/04 12:30:02.0	28.10
08/18/04 13:30:02.0	28.22
08/18/04 14:30:02.0	28.32
08/18/04 15:30:02.0	28.22
08/18/04 16:30:02.0	28.05
08/18/04 17:30:02.0	28.07
08/18/04 18:30:02.0	28.02
08/18/04 19:30:02.0	27.97

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/18/04 20:30:02.0	28.05
08/18/04 21:30:02.0	28.00
08/18/04 22:30:02.0	28.07
08/18/04 23:30:02.0	27.97
08/19/04 00:30:02.0	27.78
08/19/04 01:30:02.0	27.73
08/19/04 02:30:02.0	27.73
08/19/04 03:30:02.0	27.60
08/19/04 04:30:02.0	27.46
08/19/04 05:30:02.0	26.94
08/19/04 06:30:02.0	26.89
08/19/04 07:30:02.0	26.94
08/19/04 08:30:02.0	27.04
08/19/04 09:30:02.0	27.41
08/19/04 10:30:02.0	27.43
08/19/04 11:30:02.0	27.41
08/19/04 12:30:02.0	27.43
08/19/04 13:30:02.0	27.48
08/19/04 14:30:02.0	27.75
08/19/04 15:30:02.0	27.53
08/19/04 16:30:02.0	27.65
08/19/04 17:30:02.0	27.36
08/19/04 18:30:02.0	27.26
08/19/04 19:30:02.0	27.38
08/19/04 20:30:02.0	27.55
08/19/04 21:30:02.0	27.68
08/19/04 22:30:02.0	27.60
08/19/04 23:30:02.0	27.63
08/20/04 00:30:02.0	27.63
08/20/04 01:30:02.0	27.75
08/20/04 02:30:02.0	27.95
08/20/04 03:30:02.0	27.55
08/20/04 04:30:02.0	27.14
08/20/04 05:30:02.0	26.77
08/20/04 06:30:02.0	26.67
08/20/04 07:30:02.0	26.65
08/20/04 08:30:02.0	26.65
08/20/04 09:30:02.0	26.77
08/20/04 10:30:02.0	26.89
08/20/04 11:30:02.0	26.97
08/20/04 12:30:02.0	27.09
08/20/04 13:30:02.0	27.24
08/20/04 14:30:02.0	27.21
08/20/04 15:30:02.0	26.87
08/20/04 16:30:02.0	26.94
08/20/04 17:30:02.0	27.04
08/20/04 18:30:02.0	27.19
08/20/04 19:30:02.0	27.09
08/20/04 20:30:02.0	27.36
08/20/04 21:30:02.0	27.38
08/20/04 22:30:02.0	27.53
08/20/04 23:30:02.0	27.55
08/21/04 00:30:02.0	27.58
08/21/04 01:30:02.0	27.63
08/21/04 02:30:02.0	27.48
08/21/04 03:30:02.0	27.19
08/21/04 04:30:02.0	27.21
08/21/04 05:30:02.0	27.28
08/21/04 06:30:02.0	26.77

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/21/04 07:30:02.0	26.30
08/21/04 08:30:02.0	26.28
08/21/04 09:30:02.0	26.38
08/21/04 10:30:02.0	26.43
08/21/04 11:30:02.0	26.48
08/21/04 12:30:02.0	26.60
08/21/04 13:30:02.0	26.67
08/21/04 14:30:02.0	26.74
08/21/04 15:30:02.0	27.33
08/21/04 16:30:02.0	27.11
08/21/04 17:30:02.0	27.16
08/21/04 18:30:02.0	27.04
08/21/04 19:30:02.0	26.84
08/21/04 20:30:02.0	26.92
08/21/04 21:30:02.0	27.01
08/21/04 22:30:02.0	27.26
08/21/04 23:30:02.0	27.48
08/22/04 00:30:02.0	27.58
08/22/04 01:30:02.0	27.60
08/22/04 02:30:02.0	27.73
08/22/04 03:30:02.0	27.97
08/22/04 04:30:02.0	27.73
08/22/04 05:30:02.0	27.53
08/22/04 06:30:02.0	27.48
08/22/04 07:30:02.0	27.53
08/22/04 08:30:02.0	27.60
08/22/04 09:30:02.0	26.87
08/22/04 10:30:02.0	26.74
08/22/04 11:30:02.0	26.79
08/22/04 12:30:02.0	26.84
08/22/04 13:30:02.0	27.01
08/22/04 14:30:02.0	27.06
08/22/04 15:30:02.0	27.14
08/22/04 16:30:02.0	27.24
08/22/04 17:30:02.0	26.50
08/22/04 18:30:02.0	25.79
08/22/04 19:30:02.0	25.72
08/22/04 20:30:02.0	25.70
08/22/04 21:30:02.0	25.74
08/22/04 22:30:02.0	25.94
08/22/04 23:30:02.0	26.01
08/23/04 00:30:02.0	26.09
08/23/04 01:30:02.0	26.16
08/23/04 02:30:02.0	26.21
08/23/04 03:30:02.0	26.23
08/23/04 04:30:02.0	26.28
08/23/04 05:30:02.0	26.65
08/23/04 06:30:02.0	27.41
08/23/04 07:30:02.0	27.53
08/23/04 08:30:02.0	27.48
08/23/04 09:30:02.0	27.43
08/23/04 10:30:02.0	27.41
08/23/04 11:30:02.0	27.48
08/23/04 12:30:02.0	26.79
08/23/04 13:30:02.0	26.72
08/23/04 14:30:02.0	26.82
08/23/04 15:30:02.0	26.84
08/23/04 16:30:02.0	26.87
08/23/04 17:30:02.0	26.84

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/23/04 18:30:02.0	26.89
08/23/04 19:30:02.0	26.89
08/23/04 20:30:02.0	26.92
08/23/04 21:30:02.0	26.97
08/23/04 22:30:02.0	26.97
08/23/04 23:30:02.0	26.99
08/24/04 00:30:02.0	26.99
08/24/04 01:30:02.0	27.04
08/24/04 02:30:02.0	27.04
08/24/04 03:30:02.0	27.11
08/24/04 04:30:02.0	27.46
08/24/04 05:30:02.0	27.65
08/24/04 06:30:02.0	27.83
08/24/04 07:30:02.0	27.75
08/24/04 08:30:02.0	27.80
08/24/04 09:30:02.0	27.80
08/24/04 10:30:02.0	26.23
08/24/04 11:30:02.0	25.99
08/24/04 12:30:02.0	25.84
08/24/04 13:30:02.0	25.77
08/24/04 14:30:02.0	25.87
08/24/04 15:30:02.0	25.99
08/24/04 16:30:02.0	25.94
08/24/04 17:30:02.0	25.99
08/24/04 18:30:02.0	26.04
08/24/04 19:30:02.0	26.04
08/24/04 20:30:02.0	26.09
08/24/04 21:30:02.0	26.11
08/24/04 22:30:02.0	26.11
08/24/04 23:30:02.0	26.11
08/25/04 00:30:02.0	26.13
08/25/04 01:30:02.0	26.16
08/25/04 02:30:02.0	26.18
08/25/04 03:30:02.0	26.21
08/25/04 04:30:02.0	26.23
08/25/04 05:30:02.0	26.26
08/25/04 06:30:02.0	28.00
08/25/04 07:30:02.0	28.02
08/25/04 08:30:02.0	28.05
08/25/04 09:30:02.0	27.97
08/25/04 10:30:02.0	27.58
08/25/04 11:30:02.0	27.53
08/25/04 12:30:02.0	27.65
08/25/04 13:30:02.0	27.48
08/25/04 14:30:02.0	27.31
08/25/04 15:30:02.0	26.94
08/25/04 16:30:02.0	26.74
08/25/04 17:30:02.0	26.87
08/25/04 18:30:02.0	26.84
08/25/04 19:30:02.0	26.87
08/25/04 20:30:02.0	26.87
08/25/04 21:30:02.0	26.92
08/25/04 22:30:02.0	26.94
08/25/04 23:30:02.0	26.94
08/26/04 00:30:02.0	26.94
08/26/04 01:30:02.0	26.99
08/26/04 02:30:02.0	27.01
08/26/04 03:30:02.0	27.09
08/26/04 04:30:02.0	27.06

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/26/04 05:30:02.0	27.14
08/26/04 06:30:02.0	27.14
08/26/04 07:30:02.0	27.16
08/26/04 08:30:02.0	27.33
08/26/04 09:30:02.0	27.38
08/26/04 10:30:02.0	27.58
08/26/04 11:30:02.0	27.58
08/26/04 12:30:02.0	27.70
08/26/04 13:30:02.0	27.88
08/26/04 14:30:02.0	27.92
08/26/04 15:30:02.0	28.05
08/26/04 16:30:02.0	28.07
08/26/04 17:30:02.0	28.10
08/26/04 18:30:02.0	28.15
08/26/04 19:30:02.0	28.20
08/26/04 20:30:02.0	28.15
08/26/04 21:30:02.0	28.20
08/26/04 22:30:02.0	28.22
08/26/04 23:30:02.0	28.20
08/27/04 00:30:02.0	28.22
08/27/04 01:30:02.0	27.65
08/27/04 02:30:02.0	27.75
08/27/04 03:30:02.0	27.75
08/27/04 04:30:02.0	27.78
08/27/04 05:30:02.0	27.83
08/27/04 06:30:02.0	28.42
08/27/04 07:30:02.0	29.02
08/27/04 08:30:02.0	29.14
08/27/04 09:30:02.0	29.17
08/27/04 10:30:02.0	29.22
08/27/04 11:30:02.0	29.27
08/27/04 12:30:02.0	29.29
08/27/04 13:30:02.0	29.32
08/27/04 14:30:02.0	29.37
08/27/04 15:30:02.0	29.39
08/27/04 16:30:02.0	29.39
08/27/04 17:30:02.0	29.37
08/27/04 18:30:02.0	29.37
08/27/04 19:30:02.0	29.34
08/27/04 20:30:02.0	29.34
08/27/04 21:30:02.0	29.32
08/27/04 22:30:02.0	29.32
08/27/04 23:30:02.0	28.97
08/28/04 00:30:02.0	28.84
08/28/04 01:30:02.0	28.84
08/28/04 02:30:02.0	28.97
08/28/04 03:30:02.0	28.97
08/28/04 04:30:02.0	28.97
08/28/04 05:30:02.0	28.97
08/28/04 06:30:02.0	29.04
08/28/04 07:30:02.0	29.34
08/28/04 08:30:02.0	29.44
08/28/04 09:30:02.0	29.32
08/28/04 10:30:02.0	29.29
08/28/04 11:30:02.0	29.09
08/28/04 12:30:02.0	28.87
08/28/04 13:30:02.0	28.92
08/28/04 14:30:02.0	28.94
08/28/04 15:30:02.0	28.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/28/04 16:30:02.0	28.97
08/28/04 17:30:02.0	28.97
08/28/04 18:30:02.0	28.94
08/28/04 19:30:02.0	28.97
08/28/04 20:30:02.0	28.97
08/28/04 21:30:02.0	28.97
08/28/04 22:30:02.0	29.02
08/28/04 23:30:02.0	29.04
08/29/04 00:30:02.0	29.04
08/29/04 01:30:02.0	29.12
08/29/04 02:30:02.0	28.79
08/29/04 03:30:02.0	28.62
08/29/04 04:30:02.0	28.62
08/29/04 05:30:02.0	28.64
08/29/04 06:30:02.0	28.64
08/29/04 07:30:02.0	28.67
08/29/04 08:30:02.0	28.97
08/29/04 09:30:02.0	29.14
08/29/04 10:30:02.0	29.17
08/29/04 11:30:02.0	29.22
08/29/04 12:30:02.0	29.27
08/29/04 13:30:02.0	29.29
08/29/04 14:30:02.0	29.29
08/29/04 15:30:02.0	29.44
08/29/04 16:30:02.0	29.41
08/29/04 17:30:02.0	29.41
08/29/04 18:30:02.0	29.46
08/29/04 19:30:02.0	29.41
08/29/04 20:30:02.0	29.41
08/29/04 21:30:02.0	29.46
08/29/04 22:30:02.0	29.41
08/29/04 23:30:02.0	29.39
08/30/04 00:30:02.0	29.41
08/30/04 01:30:02.0	28.59
08/30/04 02:30:02.0	28.30
08/30/04 03:30:02.0	28.25
08/30/04 04:30:02.0	28.27
08/30/04 05:30:02.0	28.30
08/30/04 06:30:02.0	28.35
08/30/04 07:30:02.0	28.37
08/30/04 08:30:02.0	28.39
08/30/04 09:30:02.0	28.47
08/30/04 10:30:02.0	28.59
08/30/04 11:30:02.0	28.84
08/30/04 12:30:02.0	28.92
08/30/04 13:30:02.0	28.94
08/30/04 14:30:02.0	28.99
08/30/04 15:30:02.0	29.02
08/30/04 16:30:02.0	29.09
08/30/04 17:30:02.0	29.17
08/30/04 18:30:02.0	29.22
08/30/04 19:30:02.0	29.17
08/30/04 20:30:02.0	29.14
08/30/04 21:30:02.0	29.14
08/30/04 22:30:02.0	29.14
08/30/04 23:30:02.0	29.14
08/31/04 00:30:02.0	29.14
08/31/04 01:30:02.0	29.12
08/31/04 02:30:02.0	29.19

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
08/31/04 03:30:02.0	29.19
08/31/04 04:30:02.0	29.39
08/31/04 05:30:02.0	29.09
08/31/04 06:30:02.0	28.94
08/31/04 07:30:02.0	28.97
08/31/04 08:30:02.0	28.99
08/31/04 09:30:02.0	29.04
08/31/04 10:30:02.0	29.07
08/31/04 11:30:02.0	29.34
08/31/04 12:30:02.0	29.62
08/31/04 13:30:02.0	29.57
08/31/04 14:30:02.0	29.57
08/31/04 15:30:02.0	29.67
08/31/04 16:30:02.0	29.19
08/31/04 17:30:02.0	29.17
08/31/04 18:30:02.0	29.27
08/31/04 19:30:02.0	29.24
08/31/04 20:30:02.0	29.24
08/31/04 21:30:02.0	29.24
08/31/04 22:30:02.0	29.39
08/31/04 23:30:02.0	29.37
09/01/04 00:30:02.0	29.34
09/01/04 01:30:02.0	29.39
09/01/04 02:30:02.0	29.29
09/01/04 03:30:02.0	29.04
09/01/04 04:30:02.0	29.04
09/01/04 05:30:02.0	28.89
09/01/04 06:30:02.0	28.92
09/01/04 07:30:02.0	28.52
09/01/04 08:30:02.0	28.59
09/01/04 09:30:02.0	28.67
09/01/04 10:30:02.0	28.74
09/01/04 11:30:02.0	28.77
09/01/04 12:30:02.0	28.77
09/01/04 13:30:02.0	28.89
09/01/04 14:30:02.0	28.94
09/01/04 15:30:02.0	28.94
09/01/04 16:30:02.0	28.97
09/01/04 17:30:02.0	28.99
09/01/04 18:30:02.0	29.22
09/01/04 19:30:02.0	29.19
09/01/04 20:30:02.0	29.02
09/01/04 21:30:02.0	28.97
09/01/04 22:30:02.0	28.99
09/01/04 23:30:02.0	28.99
09/02/04 00:30:02.0	29.02
09/02/04 01:30:02.0	29.02
09/02/04 02:30:02.0	29.02
09/02/04 03:30:02.0	29.04
09/02/04 04:30:02.0	29.04
09/02/04 05:30:02.0	29.07
09/02/04 06:30:02.0	29.37
09/02/04 07:30:02.0	29.41
09/02/04 08:30:02.0	29.44
09/02/04 09:30:02.0	29.52
09/02/04 10:30:02.0	29.34
09/02/04 11:30:02.0	29.54
09/02/04 12:30:02.0	29.54
09/02/04 13:30:02.0	29.54

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/02/04 14:30:02.0	29.52
09/02/04 15:30:02.0	29.54
09/02/04 16:30:02.0	29.52
09/02/04 17:30:02.0	29.17
09/02/04 18:30:02.0	29.19
09/02/04 19:30:02.0	29.41
09/02/04 20:30:02.0	28.94
09/02/04 21:30:02.0	28.94
09/02/04 22:30:02.0	29.07
09/02/04 23:30:02.0	29.37
09/03/04 00:30:02.0	29.39
09/03/04 01:30:02.0	29.41
09/03/04 02:30:02.0	29.37
09/03/04 03:30:02.0	29.41
09/03/04 04:30:02.0	29.07
09/03/04 05:30:02.0	29.22
09/03/04 06:30:02.0	28.99
09/03/04 07:30:02.0	29.04
09/03/04 08:30:02.0	29.07
09/03/04 09:30:02.0	29.09
09/03/04 10:30:02.0	29.12
09/03/04 11:30:02.0	29.17
09/03/04 12:30:02.0	29.19
09/03/04 13:30:02.0	29.22
09/03/04 14:30:02.0	29.22
09/03/04 15:30:02.0	29.24
09/03/04 16:30:02.0	29.22
09/03/04 17:30:02.0	29.24
09/03/04 18:30:02.0	29.24
09/03/04 19:30:02.0	29.24
09/03/04 20:30:02.0	29.34
09/03/04 21:30:02.0	29.39
09/03/04 22:30:02.0	29.37
09/03/04 23:30:02.0	29.39
09/04/04 00:30:02.0	29.41
09/04/04 01:30:02.0	29.34
09/04/04 02:30:02.0	29.32
09/04/04 03:30:02.0	29.22
09/04/04 04:30:02.0	29.17
09/04/04 05:30:02.0	29.14
09/04/04 06:30:02.0	29.19
09/04/04 07:30:02.0	29.17
09/04/04 08:30:02.0	29.19
09/04/04 09:30:02.0	29.24
09/04/04 10:30:02.0	29.17
09/04/04 11:30:02.0	29.22
09/04/04 12:30:02.0	29.29
09/04/04 13:30:02.0	29.41
09/04/04 14:30:02.0	29.44
09/04/04 15:30:02.0	29.44
09/04/04 16:30:02.0	29.46
09/04/04 17:30:02.0	29.44
09/04/04 18:30:02.0	29.44
09/04/04 19:30:02.0	29.44
09/04/04 20:30:02.0	29.44
09/04/04 21:30:02.0	29.39
09/04/04 22:30:02.0	29.37
09/04/04 23:30:02.0	29.27
09/05/04 00:30:02.0	29.27

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/05/04 01:30:02.0	29.32
09/05/04 02:30:02.0	29.37
09/05/04 03:30:02.0	29.24
09/05/04 04:30:02.0	29.24
09/05/04 05:30:02.0	29.27
09/05/04 06:30:02.0	29.24
09/05/04 07:30:02.0	29.27
09/05/04 08:30:02.0	29.27
09/05/04 09:30:02.0	29.32
09/05/04 10:30:02.0	29.39
09/05/04 11:30:02.0	29.39
09/05/04 12:30:02.0	29.41
09/05/04 13:30:02.0	29.46
09/05/04 14:30:02.0	29.49
09/05/04 15:30:02.0	29.57
09/05/04 16:30:02.0	29.59
09/05/04 17:30:02.0	29.57
09/05/04 18:30:02.0	29.54
09/05/04 19:30:02.0	29.52
09/05/04 20:30:02.0	29.49
09/05/04 21:30:02.0	29.49
09/05/04 22:30:02.0	29.46
09/05/04 23:30:02.0	29.46
09/06/04 00:30:02.0	29.46
09/06/04 01:30:02.0	29.46
09/06/04 02:30:02.0	29.46
09/06/04 03:30:02.0	29.46
09/06/04 04:30:02.0	29.46
09/06/04 05:30:02.0	29.46
09/06/04 06:30:02.0	29.46
09/06/04 07:30:02.0	29.46
09/06/04 08:30:02.0	29.49
09/06/04 09:30:02.0	29.49
09/06/04 10:30:02.0	29.54
09/06/04 11:30:02.0	29.57
09/06/04 12:30:02.0	29.59
09/06/04 13:30:02.0	29.62
09/06/04 14:30:02.0	29.64
09/06/04 15:30:02.0	29.67
09/06/04 16:30:02.0	29.69
09/06/04 17:30:02.0	29.69
09/06/04 18:30:02.0	29.62
09/06/04 19:30:02.0	29.57
09/06/04 20:30:02.0	29.54
09/06/04 21:30:02.0	29.54
09/06/04 22:30:02.0	29.54
09/06/04 23:30:02.0	29.52
09/07/04 00:30:02.0	29.52
09/07/04 01:30:02.0	29.52
09/07/04 02:30:02.0	29.52
09/07/04 03:30:02.0	29.49
09/07/04 04:30:02.0	29.44
09/07/04 05:30:02.0	29.44
09/07/04 06:30:02.0	29.44
09/07/04 07:30:02.0	29.44
09/07/04 08:30:02.0	29.46
09/07/04 09:30:02.0	29.49
09/07/04 10:30:02.0	29.49
09/07/04 11:30:02.0	29.49

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/07/04 12:30:02.0	29.49
09/07/04 13:30:02.0	29.49
09/07/04 14:30:02.0	29.46
09/07/04 15:30:02.0	29.49
09/07/04 16:30:02.0	29.54
09/07/04 17:30:02.0	29.57
09/07/04 18:30:02.0	29.57
09/07/04 19:30:02.0	29.57
09/07/04 20:30:02.0	29.52
09/07/04 21:30:02.0	29.46
09/07/04 22:30:02.0	29.49
09/07/04 23:30:02.0	29.39
09/08/04 00:30:02.0	29.29
09/08/04 01:30:02.0	29.29
09/08/04 02:30:02.0	29.34
09/08/04 03:30:02.0	29.41
09/08/04 04:30:02.0	29.22
09/08/04 05:30:02.0	29.09
09/08/04 06:30:02.0	29.02
09/08/04 07:30:02.0	29.02
09/08/04 08:30:02.0	29.02
09/08/04 09:30:02.0	28.92
09/08/04 10:30:02.0	28.92
09/08/04 11:30:02.0	28.97
09/08/04 12:30:02.0	29.07
09/08/04 13:30:02.0	29.17
09/08/04 14:30:02.0	29.24
09/08/04 15:30:02.0	29.29
09/08/04 16:30:02.0	29.32
09/08/04 17:30:02.0	29.34
09/08/04 18:30:02.0	29.34
09/08/04 19:30:02.0	29.34
09/08/04 20:30:02.0	29.34
09/08/04 21:30:02.0	29.34
09/08/04 22:30:02.0	29.34
09/08/04 23:30:02.0	29.34
09/09/04 00:30:02.0	29.37
09/09/04 01:30:02.0	29.39
09/09/04 02:30:02.0	29.34
09/09/04 03:30:02.0	29.34
09/09/04 04:30:02.0	29.32
09/09/04 05:30:02.0	29.34
09/09/04 06:30:02.0	29.32
09/09/04 07:30:02.0	29.32
09/09/04 08:30:02.0	29.34
09/09/04 09:30:02.0	29.37
09/09/04 10:30:02.0	29.37
09/09/04 11:30:02.0	29.39
09/09/04 12:30:02.0	29.46
09/09/04 13:30:02.0	29.49
09/09/04 14:30:02.0	29.49
09/09/04 15:30:02.0	29.54
09/09/04 16:30:02.0	29.54
09/09/04 17:30:02.0	29.54
09/09/04 18:30:02.0	29.54
09/09/04 19:30:02.0	29.54
09/09/04 20:30:02.0	29.54
09/09/04 21:30:02.0	29.37
09/09/04 22:30:02.0	29.41

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/09/04 23:30:02.0	29.49
09/10/04 00:30:02.0	29.49
09/10/04 01:30:02.0	29.52
09/10/04 02:30:02.0	29.52
09/10/04 03:30:02.0	29.52
09/10/04 04:30:02.0	29.54
09/10/04 05:30:02.0	29.57
09/10/04 06:30:02.0	29.69
09/10/04 07:30:02.0	29.77
09/10/04 08:30:02.0	29.79
09/10/04 09:30:02.0	29.79
09/10/04 10:30:02.0	29.79
09/10/04 11:30:02.0	29.82
09/10/04 12:30:02.0	29.84
09/10/04 13:30:02.0	29.84
09/10/04 14:30:02.0	29.82
09/10/04 15:30:02.0	29.67
09/10/04 16:30:02.0	29.67
09/10/04 17:30:02.0	29.69
09/10/04 18:30:02.0	29.69
09/10/04 19:30:02.0	29.67
09/10/04 20:30:02.0	29.64
09/10/04 21:30:02.0	29.64
09/10/04 22:30:02.0	29.62
09/10/04 23:30:02.0	29.59
09/11/04 00:30:02.0	29.62
09/11/04 01:30:02.0	29.62
09/11/04 02:30:02.0	29.62
09/11/04 03:30:02.0	29.54
09/11/04 04:30:02.0	29.41
09/11/04 05:30:02.0	29.41
09/11/04 06:30:02.0	29.41
09/11/04 07:30:02.0	29.44
09/11/04 08:30:02.0	29.49
09/11/04 09:30:02.0	29.49
09/11/04 10:30:02.0	29.52
09/11/04 11:30:02.0	29.54
09/11/04 12:30:02.0	29.57
09/11/04 13:30:02.0	29.54
09/11/04 14:30:02.0	29.54
09/11/04 15:30:02.0	29.59
09/11/04 16:30:02.0	29.59
09/11/04 17:30:02.0	29.57
09/11/04 18:30:02.0	29.57
09/11/04 19:30:02.0	29.57
09/11/04 20:30:02.0	29.54
09/11/04 21:30:02.0	29.54
09/11/04 22:30:02.0	29.46
09/11/04 23:30:02.0	29.44
09/12/04 00:30:02.0	29.44
09/12/04 01:30:02.0	29.32
09/12/04 02:30:02.0	29.29
09/12/04 03:30:02.0	29.27
09/12/04 04:30:02.0	29.27
09/12/04 05:30:02.0	29.27
09/12/04 06:30:02.0	29.27
09/12/04 07:30:02.0	29.29
09/12/04 08:30:02.0	29.34
09/12/04 09:30:02.0	29.39

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/12/04 10:30:02.0	29.39
09/12/04 11:30:02.0	29.41
09/12/04 12:30:02.0	29.44
09/12/04 13:30:02.0	29.46
09/12/04 14:30:02.0	29.49
09/12/04 15:30:02.0	29.46
09/12/04 16:30:02.0	29.49
09/12/04 17:30:02.0	29.46
09/12/04 18:30:02.0	29.49
09/12/04 19:30:02.0	29.46
09/12/04 20:30:02.0	29.46
09/12/04 21:30:02.0	29.41
09/12/04 22:30:02.0	29.41
09/12/04 23:30:02.0	29.44
09/13/04 00:30:02.0	29.39
09/13/04 01:30:02.0	29.34
09/13/04 02:30:02.0	29.32
09/13/04 03:30:02.0	29.17
09/13/04 04:30:02.0	29.24
09/13/04 05:30:02.0	29.24
09/13/04 06:30:02.0	29.24
09/13/04 07:30:02.0	29.27
09/13/04 08:30:02.0	29.29
09/13/04 09:30:02.0	29.37
09/13/04 10:30:02.0	29.41
09/13/04 11:30:02.0	29.41
09/13/04 12:30:02.0	29.44
09/13/04 13:30:02.0	29.41
09/13/04 14:30:02.0	29.39
09/13/04 15:30:02.0	29.27
09/13/04 16:30:02.0	29.27
09/13/04 17:30:02.0	29.27
09/13/04 18:30:02.0	29.27
09/13/04 19:30:02.0	29.29
09/13/04 20:30:02.0	29.32
09/13/04 21:30:02.0	29.34
09/13/04 22:30:02.0	29.34
09/13/04 23:30:02.0	29.37
09/14/04 00:30:02.0	29.39
09/14/04 01:30:02.0	29.39
09/14/04 02:30:02.0	29.39
09/14/04 03:30:02.0	29.39
09/14/04 04:30:02.0	29.02
09/14/04 05:30:02.0	29.02
09/14/04 06:30:02.0	29.14
09/14/04 07:30:02.0	29.24
09/14/04 08:30:02.0	29.39
09/14/04 09:30:02.0	29.37
09/14/04 10:30:02.0	29.22
09/14/04 11:30:02.0	29.22
09/14/04 12:30:02.0	29.12
09/14/04 13:30:02.0	29.07
09/14/04 14:30:02.0	29.02
09/14/04 15:30:02.0	29.02
09/14/04 16:30:02.0	29.19
09/14/04 17:30:02.0	29.37
09/14/04 18:30:02.0	29.24
09/14/04 19:30:02.0	29.12
09/14/04 20:30:02.0	29.14

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/14/04 21:30:02.0	29.19
09/14/04 22:30:02.0	29.22
09/14/04 23:30:02.0	29.29
09/15/04 00:30:02.0	29.29
09/15/04 01:30:02.0	28.79
09/15/04 02:30:02.0	28.67
09/15/04 03:30:02.0	28.72
09/15/04 04:30:02.0	28.72
09/15/04 05:30:02.0	28.92
09/15/04 06:30:02.0	28.92
09/15/04 07:30:02.0	28.97
09/15/04 08:30:02.0	29.04
09/15/04 09:30:02.0	29.14
09/15/04 10:30:02.0	29.24
09/15/04 11:30:02.0	29.27
09/15/04 12:30:02.0	29.04
09/15/04 13:30:02.0	28.47
09/15/04 14:30:02.0	28.00
09/15/04 15:30:02.0	27.88
09/15/04 16:30:02.0	27.92
09/15/04 17:30:02.0	28.07
09/15/04 18:30:02.0	28.42
09/15/04 19:30:02.0	28.42
09/15/04 20:30:02.0	28.32
09/15/04 21:30:02.0	28.47
09/15/04 22:30:02.0	28.49
09/15/04 23:30:02.0	28.42
09/16/04 00:30:02.0	28.54
09/16/04 01:30:02.0	28.62
09/16/04 02:30:02.0	28.67
09/16/04 03:30:02.0	28.57
09/16/04 04:30:02.0	28.64
09/16/04 05:30:02.0	28.32
09/16/04 06:30:02.0	28.25
09/16/04 07:30:02.0	28.17
09/16/04 08:30:02.0	27.83
09/16/04 09:30:02.0	27.28
09/16/04 10:30:02.0	26.84
09/16/04 11:30:02.0	26.94
09/16/04 12:30:02.0	27.04
09/16/04 13:30:02.0	27.65
09/16/04 14:30:02.0	28.00
09/16/04 15:30:02.0	27.68
09/16/04 16:30:02.0	27.58
09/16/04 17:30:02.0	28.10
09/16/04 18:30:02.0	28.39
09/16/04 19:30:02.0	27.97
09/16/04 20:30:02.0	27.63
09/16/04 21:30:02.0	27.58
09/16/04 22:30:02.0	27.55
09/16/04 23:30:02.0	27.09
09/17/04 00:30:02.0	26.74
09/17/04 01:30:02.0	26.18
09/17/04 02:30:02.0	24.48
09/17/04 03:30:02.0	25.19
09/17/04 04:30:02.0	24.85
09/17/04 05:30:02.0	24.53
09/17/04 06:30:02.0	24.63
09/17/04 07:30:02.0	24.70

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/17/04 08:30:02.0	24.85
09/17/04 09:30:02.0	24.94
09/17/04 10:30:02.0	25.04
09/17/04 11:30:02.0	28.32
09/17/04 12:30:02.0	28.62
09/17/04 13:30:02.0	28.79
09/17/04 14:30:02.0	28.87
09/17/04 15:30:02.0	28.77
09/17/04 16:30:02.0	28.15
09/17/04 17:30:02.0	28.25
09/17/04 18:30:02.0	28.07
09/17/04 19:30:02.0	27.73
09/17/04 20:30:02.0	27.24
09/17/04 21:30:02.0	27.38
09/17/04 22:30:02.0	27.41
09/17/04 23:30:02.0	27.51
09/18/04 00:30:02.0	27.85
09/18/04 01:30:02.0	28.07
09/18/04 02:30:02.0	28.12
09/18/04 03:30:02.0	28.12
09/18/04 04:30:02.0	28.30
09/18/04 05:30:02.0	28.30
09/18/04 06:30:02.0	28.35
09/18/04 07:30:02.0	28.32
09/18/04 08:30:02.0	28.35
09/18/04 09:30:02.0	28.59
09/18/04 10:30:02.0	29.37
09/18/04 11:30:02.0	29.34
09/18/04 12:30:02.0	29.34
09/18/04 13:30:02.0	29.32
09/18/04 14:30:02.0	29.19
09/18/04 15:30:02.0	29.19
09/18/04 16:30:02.0	29.19
09/18/04 17:30:02.0	29.12
09/18/04 18:30:02.0	29.12
09/18/04 19:30:02.0	29.07
09/18/04 20:30:02.0	29.12
09/18/04 21:30:02.0	29.04
09/18/04 22:30:02.0	28.99
09/18/04 23:30:02.0	28.82
09/19/04 00:30:02.0	28.94
09/19/04 01:30:02.0	29.07
09/19/04 02:30:02.0	29.02
09/19/04 03:30:02.0	28.94
09/19/04 04:30:02.0	29.02
09/19/04 05:30:02.0	29.12
09/19/04 06:30:02.0	29.12
09/19/04 07:30:02.0	29.12
09/19/04 08:30:02.0	29.14
09/19/04 09:30:02.0	29.17
09/19/04 10:30:02.0	29.19
09/19/04 11:30:02.0	29.12
09/19/04 12:30:02.0	29.07
09/19/04 13:30:02.0	28.99
09/19/04 14:30:02.0	28.99
09/19/04 15:30:02.0	28.97
09/19/04 16:30:02.0	28.99
09/19/04 17:30:02.0	29.09
09/19/04 18:30:02.0	29.12

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/19/04 19:30:02.0	29.19
09/19/04 20:30:02.0	29.24
09/19/04 21:30:02.0	29.27
09/19/04 22:30:02.0	29.29
09/19/04 23:30:02.0	29.29
09/20/04 00:30:02.0	29.34
09/20/04 01:30:02.0	29.41
09/20/04 02:30:02.0	29.44
09/20/04 03:30:02.0	29.46
09/20/04 04:30:02.0	29.44
09/20/04 05:30:02.0	29.39
09/20/04 06:30:02.0	29.12
09/20/04 07:30:02.0	29.17
09/20/04 08:30:02.0	29.22
09/20/04 09:30:02.0	29.24
09/20/04 10:30:02.0	29.39
09/20/04 11:30:02.0	29.44
09/20/04 12:30:02.0	29.49
09/20/04 13:30:02.0	29.52
09/20/04 14:30:02.0	29.59
09/20/04 15:30:02.0	29.57
09/20/04 16:30:02.0	29.59
09/20/04 17:30:02.0	29.54
09/20/04 18:30:02.0	29.52
09/20/04 19:30:02.0	29.52
09/20/04 20:30:02.0	29.52
09/20/04 21:30:02.0	29.54
09/20/04 22:30:02.0	29.37
09/20/04 23:30:02.0	29.39
09/21/04 00:30:02.0	29.39
09/21/04 01:30:02.0	29.39
09/21/04 02:30:02.0	29.44
09/21/04 03:30:02.0	29.44
09/21/04 04:30:02.0	29.44
09/21/04 05:30:02.0	29.41
09/21/04 06:30:02.0	29.39
09/21/04 07:30:02.0	29.37
09/21/04 08:30:02.0	29.37
09/21/04 09:30:02.0	29.34
09/21/04 10:30:02.0	29.32
09/21/04 11:30:02.0	29.29
09/21/04 12:30:02.0	29.29
09/21/04 13:30:02.0	29.29
09/21/04 14:30:02.0	29.32
09/21/04 15:30:02.0	29.32
09/21/04 16:30:02.0	29.27
09/21/04 17:30:02.0	29.22
09/21/04 18:30:02.0	29.22
09/21/04 19:30:02.0	29.22
09/21/04 20:30:02.0	29.22
09/21/04 21:30:02.0	29.22
09/21/04 22:30:02.0	29.19
09/21/04 23:30:02.0	29.22
09/22/04 00:30:02.0	29.22
09/22/04 01:30:02.0	29.02
09/22/04 02:30:02.0	28.92
09/22/04 03:30:02.0	28.92
09/22/04 04:30:02.0	29.24
09/22/04 05:30:02.0	29.29

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/22/04 06:30:02.0	29.29
09/22/04 07:30:02.0	29.27
09/22/04 08:30:02.0	29.24
09/22/04 09:30:02.0	29.22
09/22/04 10:30:02.0	29.24
09/22/04 11:30:02.0	29.22
09/22/04 12:30:02.0	29.27
09/22/04 13:30:02.0	29.22
09/22/04 14:30:02.0	29.22
09/22/04 15:30:02.0	29.24
09/22/04 16:30:02.0	29.24
09/22/04 17:30:02.0	29.22
09/22/04 18:30:02.0	29.19
09/22/04 19:30:02.0	29.19
09/22/04 20:30:02.0	29.17
09/22/04 21:30:02.0	29.12
09/22/04 22:30:02.0	29.04
09/22/04 23:30:02.0	28.47
09/23/04 00:30:02.0	28.57
09/23/04 01:30:02.0	28.52
09/23/04 02:30:02.0	29.12
09/23/04 03:30:02.0	29.12
09/23/04 04:30:02.0	28.99
09/23/04 05:30:02.0	29.14
09/23/04 06:30:02.0	29.12
09/23/04 07:30:02.0	29.17
09/23/04 08:30:02.0	29.19
09/23/04 09:30:02.0	29.24
09/23/04 10:30:02.0	29.27
09/23/04 11:30:02.0	29.27
09/23/04 12:30:02.0	29.32
09/23/04 13:30:02.0	29.34
09/23/04 14:30:02.0	29.22
09/23/04 15:30:02.0	29.22
09/23/04 16:30:02.0	29.19
09/23/04 17:30:02.0	29.14
09/23/04 18:30:02.0	29.17
09/23/04 19:30:02.0	29.17
09/23/04 20:30:02.0	29.14
09/23/04 21:30:02.0	29.12
09/23/04 22:30:02.0	29.17
09/23/04 23:30:02.0	29.19
09/24/04 00:30:02.0	29.14
09/24/04 01:30:02.0	29.19
09/24/04 02:30:02.0	29.17
09/24/04 03:30:02.0	29.09
09/24/04 04:30:02.0	29.09
09/24/04 05:30:02.0	28.59
09/24/04 06:30:02.0	28.52
09/24/04 07:30:02.0	28.54
09/24/04 08:30:02.0	28.59
09/24/04 09:30:02.0	28.69
09/24/04 10:30:02.0	28.72
09/24/04 11:30:02.0	28.82
09/24/04 12:30:02.0	28.97
09/24/04 13:30:02.0	29.09
09/24/04 14:30:02.0	29.14
09/24/04 15:30:02.0	29.19
09/24/04 16:30:02.0	29.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/24/04 17:30:02.0	29.22
09/24/04 18:30:02.0	29.22
09/24/04 19:30:02.0	29.22
09/24/04 20:30:02.0	29.24
09/24/04 21:30:02.0	29.27
09/24/04 22:30:02.0	29.27
09/24/04 23:30:02.0	29.27
09/25/04 00:30:02.0	29.27
09/25/04 01:30:02.0	29.27
09/25/04 02:30:02.0	29.24
09/25/04 03:30:02.0	29.27
09/25/04 04:30:02.0	28.92
09/25/04 05:30:02.0	28.87
09/25/04 06:30:02.0	28.77
09/25/04 07:30:02.0	28.77
09/25/04 08:30:02.0	28.89
09/25/04 09:30:02.0	28.87
09/25/04 10:30:02.0	28.97
09/25/04 11:30:02.0	29.02
09/25/04 12:30:02.0	29.04
09/25/04 13:30:02.0	29.07
09/25/04 14:30:02.0	29.12
09/25/04 15:30:02.0	29.12
09/25/04 16:30:02.0	29.14
09/25/04 17:30:02.0	27.75
09/25/04 18:30:02.0	27.65
09/25/04 19:30:02.0	27.75
09/25/04 20:30:02.0	27.80
09/25/04 21:30:02.0	27.85
09/25/04 22:30:02.0	27.95
09/25/04 23:30:02.0	28.07
09/26/04 00:30:02.0	28.05
09/26/04 01:30:02.0	28.17
09/26/04 02:30:02.0	28.64
09/26/04 03:30:02.0	28.74
09/26/04 04:30:02.0	28.87
09/26/04 05:30:02.0	29.14
09/26/04 06:30:02.0	29.17
09/26/04 07:30:02.0	29.14
09/26/04 08:30:02.0	29.17
09/26/04 09:30:02.0	29.17
09/26/04 10:30:02.0	29.19
09/26/04 11:30:02.0	29.22
09/26/04 12:30:02.0	29.27
09/26/04 13:30:02.0	29.24
09/26/04 14:30:02.0	28.54
09/26/04 15:30:02.0	28.64
09/26/04 16:30:02.0	28.42
09/26/04 17:30:02.0	28.52
09/26/04 18:30:02.0	28.62
09/26/04 19:30:02.0	28.32
09/26/04 20:30:02.0	28.15
09/26/04 21:30:02.0	28.17
09/26/04 22:30:02.0	28.22
09/26/04 23:30:02.0	28.27
09/27/04 00:30:02.0	28.32
09/27/04 01:30:02.0	28.35
09/27/04 02:30:02.0	28.35
09/27/04 03:30:02.0	28.37

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/27/04 04:30:02.0	28.39
09/27/04 05:30:02.0	28.39
09/27/04 06:30:02.0	28.42
09/27/04 07:30:02.0	28.47
09/27/04 08:30:02.0	28.49
09/27/04 09:30:02.0	28.52
09/27/04 10:30:02.0	28.77
09/27/04 11:30:02.0	28.99
09/27/04 12:30:02.0	29.02
09/27/04 13:30:02.0	29.04
09/27/04 14:30:02.0	29.07
09/27/04 15:30:02.0	29.09
09/27/04 16:30:02.0	29.09
09/27/04 17:30:02.0	29.12
09/27/04 18:30:02.0	29.12
09/27/04 19:30:02.0	29.12
09/27/04 20:30:02.0	29.14
09/27/04 21:30:02.0	29.14
09/27/04 22:30:02.0	29.12
09/27/04 23:30:02.0	29.12
09/28/04 00:30:02.0	29.12
09/28/04 01:30:02.0	29.12
09/28/04 02:30:02.0	29.12
09/28/04 03:30:02.0	29.09
09/28/04 04:30:02.0	29.04
09/28/04 05:30:02.0	29.02
09/28/04 06:30:02.0	29.02
09/28/04 07:30:02.0	29.02
09/28/04 08:30:02.0	28.97
09/28/04 09:30:02.0	28.99
09/28/04 10:30:02.0	28.99
09/28/04 11:30:02.0	29.02
09/28/04 12:30:02.0	29.04
09/28/04 13:30:02.0	29.07
09/28/04 14:30:02.0	29.07
09/28/04 15:30:02.0	29.04
09/28/04 16:30:02.0	29.04
09/28/04 17:30:02.0	29.04
09/28/04 18:30:02.0	29.04
09/28/04 19:30:02.0	29.04
09/28/04 20:30:02.0	29.02
09/28/04 21:30:02.0	28.99
09/28/04 22:30:02.0	28.99
09/28/04 23:30:02.0	28.97
09/29/04 00:30:02.0	28.94
09/29/04 01:30:02.0	28.92
09/29/04 02:30:02.0	28.92
09/29/04 03:30:02.0	28.89
09/29/04 04:30:02.0	28.89
09/29/04 05:30:02.0	28.89
09/29/04 06:30:02.0	28.84
09/29/04 07:30:02.0	28.87
09/29/04 08:30:02.0	28.87
09/29/04 09:30:02.0	28.87
09/29/04 10:30:02.0	28.92
09/29/04 11:30:02.0	28.92
09/29/04 12:30:02.0	28.92
09/29/04 13:30:02.0	28.89
09/29/04 14:30:02.0	28.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
09/29/04 15:30:02.0	28.92
09/29/04 16:30:02.0	28.89
09/29/04 17:30:02.0	28.87
09/29/04 18:30:02.0	28.82
09/29/04 19:30:02.0	28.82
09/29/04 20:30:02.0	28.84
09/29/04 21:30:02.0	28.87
09/29/04 22:30:02.0	28.89
09/29/04 23:30:02.0	28.89
09/30/04 00:30:02.0	28.92
09/30/04 01:30:02.0	28.92
09/30/04 02:30:02.0	28.92
09/30/04 03:30:02.0	28.92
09/30/04 04:30:02.0	28.92
09/30/04 05:30:02.0	28.84
09/30/04 06:30:02.0	28.84
09/30/04 07:30:02.0	28.84
09/30/04 08:30:02.0	28.84
09/30/04 09:30:02.0	28.84
09/30/04 10:30:02.0	28.87
09/30/04 11:30:02.0	28.84
09/30/04 12:30:02.0	28.87
09/30/04 13:30:02.0	28.87
09/30/04 14:30:02.0	28.87
09/30/04 15:30:02.0	28.89
09/30/04 16:30:02.0	28.89
09/30/04 17:30:02.0	28.89
09/30/04 18:30:02.0	28.87
09/30/04 19:30:02.0	28.87
09/30/04 20:30:02.0	28.84
09/30/04 21:30:02.0	28.84
09/30/04 22:30:02.0	28.84
09/30/04 23:30:02.0	28.84
10/01/04 00:30:02.0	28.84
10/01/04 01:30:02.0	28.84
10/01/04 02:30:02.0	28.89
10/01/04 03:30:02.0	28.89
10/01/04 04:30:02.0	28.87
10/01/04 05:30:02.0	28.87
10/01/04 06:30:02.0	28.84
10/01/04 07:30:02.0	28.84
10/01/04 08:30:02.0	28.74
10/01/04 09:30:02.0	28.72
10/01/04 10:30:02.0	28.69
10/01/04 11:30:02.0	28.84
10/01/04 12:30:02.0	28.87
10/01/04 13:30:02.0	28.89
10/01/04 14:30:02.0	28.87
10/01/04 15:30:02.0	28.92
10/01/04 16:30:02.0	28.92
10/01/04 17:30:02.0	28.92
10/01/04 18:30:02.0	28.89
10/01/04 19:30:02.0	28.89
10/01/04 20:30:02.0	28.92
10/01/04 21:30:02.0	28.92
10/01/04 22:30:02.0	28.92
10/01/04 23:30:02.0	28.92
10/02/04 00:30:02.0	28.89
10/02/04 01:30:02.0	28.89

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/02/04 02:30:02.0	28.89
10/02/04 03:30:02.0	28.89
10/02/04 04:30:02.0	28.87
10/02/04 05:30:02.0	28.89
10/02/04 06:30:02.0	28.87
10/02/04 07:30:02.0	28.84
10/02/04 08:30:02.0	28.87
10/02/04 09:30:02.0	28.87
10/02/04 10:30:02.0	28.92
10/02/04 11:30:02.0	28.99
10/02/04 12:30:02.0	29.02
10/02/04 13:30:02.0	28.97
10/02/04 14:30:02.0	28.97
10/02/04 15:30:02.0	28.94
10/02/04 16:30:02.0	28.92
10/02/04 17:30:02.0	28.89
10/02/04 18:30:02.0	28.87
10/02/04 19:30:02.0	28.84
10/02/04 20:30:02.0	28.87
10/02/04 21:30:02.0	28.87
10/02/04 22:30:02.0	28.87
10/02/04 23:30:02.0	28.87
10/03/04 00:30:02.0	28.87
10/03/04 01:30:02.0	28.89
10/03/04 02:30:02.0	28.89
10/03/04 03:30:02.0	28.89
10/03/04 04:30:02.0	28.87
10/03/04 05:30:02.0	28.87
10/03/04 06:30:02.0	28.87
10/03/04 07:30:02.0	28.89
10/03/04 08:30:02.0	28.89
10/03/04 09:30:02.0	28.94
10/03/04 10:30:02.0	28.97
10/03/04 11:30:02.0	28.97
10/03/04 12:30:02.0	28.94
10/03/04 13:30:02.0	28.94
10/03/04 14:30:02.0	28.94
10/03/04 15:30:02.0	28.94
10/03/04 16:30:02.0	28.89
10/03/04 17:30:02.0	28.87
10/03/04 18:30:02.0	28.89
10/03/04 19:30:02.0	28.89
10/03/04 20:30:02.0	28.89
10/03/04 21:30:02.0	28.89
10/03/04 22:30:02.0	28.89
10/03/04 23:30:02.0	28.89
10/04/04 00:30:02.0	28.87
10/04/04 01:30:02.0	28.89
10/04/04 02:30:02.0	28.87
10/04/04 03:30:02.0	28.89
10/04/04 04:30:02.0	28.89
10/04/04 05:30:02.0	28.74
10/04/04 06:30:02.0	28.69
10/04/04 07:30:02.0	28.72
10/04/04 08:30:02.0	28.74
10/04/04 09:30:02.0	28.87
10/04/04 10:30:02.0	28.92
10/04/04 11:30:02.0	28.94
10/04/04 12:30:02.0	28.94

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/04/04 13:30:02.0	28.97
10/04/04 14:30:02.0	28.97
10/04/04 15:30:02.0	28.94
10/04/04 16:30:02.0	28.94
10/04/04 17:30:02.0	28.89
10/04/04 18:30:02.0	28.89
10/04/04 19:30:02.0	28.89
10/04/04 20:30:02.0	28.89
10/04/04 21:30:02.0	28.87
10/04/04 22:30:02.0	28.84
10/04/04 23:30:02.0	28.82
10/05/04 00:30:02.0	28.74
10/05/04 01:30:02.0	28.69
10/05/04 02:30:02.0	28.72
10/05/04 03:30:02.0	28.74
10/05/04 04:30:02.0	28.79
10/05/04 05:30:02.0	28.67
10/05/04 06:30:02.0	28.74
10/05/04 07:30:02.0	28.84
10/05/04 08:30:02.0	28.89
10/05/04 09:30:02.0	28.92
10/05/04 10:30:02.0	28.87
10/05/04 11:30:02.0	28.87
10/05/04 12:30:02.0	28.87
10/05/04 13:30:02.0	28.89
10/05/04 14:30:02.0	28.89
10/05/04 15:30:02.0	28.92
10/05/04 16:30:02.0	28.89
10/05/04 17:30:02.0	28.92
10/05/04 18:30:02.0	28.92
10/05/04 19:30:02.0	28.89
10/05/04 20:30:02.0	28.84
10/05/04 21:30:02.0	28.82
10/05/04 22:30:02.0	28.47
10/05/04 23:30:02.0	28.69
10/06/04 00:30:02.0	28.69
10/06/04 01:30:02.0	28.69
10/06/04 02:30:02.0	28.72
10/06/04 03:30:02.0	28.72
10/06/04 04:30:02.0	28.72
10/06/04 05:30:02.0	28.72
10/06/04 06:30:02.0	28.69
10/06/04 07:30:02.0	28.64
10/06/04 08:30:02.0	28.64
10/06/04 09:30:02.0	28.59
10/06/04 10:30:02.0	28.47
10/06/04 11:30:02.0	28.62
10/06/04 12:30:02.0	28.67
10/06/04 13:30:02.0	28.64
10/06/04 14:30:02.0	28.64
10/06/04 15:30:02.0	28.64
10/06/04 16:30:02.0	28.67
10/06/04 17:30:02.0	28.64
10/06/04 18:30:02.0	28.54
10/06/04 19:30:02.0	28.54
10/06/04 20:30:02.0	28.57
10/06/04 21:30:02.0	28.59
10/06/04 22:30:02.0	28.62
10/06/04 23:30:02.0	28.59

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/07/04 00:30:02.0	28.47
10/07/04 01:30:02.0	28.30
10/07/04 02:30:02.0	28.22
10/07/04 03:30:02.0	28.32
10/07/04 04:30:02.0	28.37
10/07/04 05:30:02.0	28.47
10/07/04 06:30:02.0	28.49
10/07/04 07:30:02.0	28.54
10/07/04 08:30:02.0	28.52
10/07/04 09:30:02.0	28.52
10/07/04 10:30:02.0	28.57
10/07/04 11:30:02.0	28.54
10/07/04 12:30:02.0	28.57
10/07/04 13:30:02.0	28.54
10/07/04 14:30:02.0	28.52
10/07/04 15:30:02.0	28.52
10/07/04 16:30:02.0	28.49
10/07/04 17:30:02.0	28.44
10/07/04 18:30:02.0	28.20
10/07/04 19:30:02.0	28.25
10/07/04 20:30:02.0	28.32
10/07/04 21:30:02.0	28.37
10/07/04 22:30:02.0	28.39
10/07/04 23:30:02.0	28.22
10/08/04 00:30:02.0	28.00
10/08/04 01:30:02.0	27.78
10/08/04 02:30:02.0	27.68
10/08/04 03:30:02.0	27.60
10/08/04 04:30:02.0	27.38
10/08/04 05:30:02.0	27.90
10/08/04 06:30:02.0	28.22
10/08/04 07:30:02.0	28.22
10/08/04 08:30:02.0	28.25
10/08/04 09:30:02.0	28.25
10/08/04 10:30:02.0	28.20
10/08/04 11:30:02.0	28.30
10/08/04 12:30:02.0	28.27
10/08/04 13:30:02.0	28.27
10/08/04 14:30:02.0	28.25
10/08/04 15:30:02.0	28.25
10/08/04 16:30:02.0	28.27
10/08/04 17:30:02.0	28.30
10/08/04 18:30:02.0	28.27
10/08/04 19:30:02.0	28.27
10/08/04 20:30:02.0	28.25
10/08/04 21:30:02.0	28.25
10/08/04 22:30:02.0	28.25
10/08/04 23:30:02.0	28.22
10/09/04 00:30:02.0	28.17
10/09/04 01:30:02.0	28.07
10/09/04 02:30:02.0	27.92
10/09/04 03:30:02.0	27.85
10/09/04 04:30:02.0	27.85
10/09/04 05:30:02.0	27.92
10/09/04 06:30:02.0	28.02
10/09/04 07:30:02.0	28.15
10/09/04 08:30:02.0	28.20
10/09/04 09:30:02.0	28.20
10/09/04 10:30:02.0	28.17

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/09/04 11:30:02.0	28.17
10/09/04 12:30:02.0	28.15
10/09/04 13:30:02.0	28.17
10/09/04 14:30:02.0	28.20
10/09/04 15:30:02.0	28.20
10/09/04 16:30:02.0	28.22
10/09/04 17:30:02.0	28.20
10/09/04 18:30:02.0	28.15
10/09/04 19:30:02.0	28.12
10/09/04 20:30:02.0	28.10
10/09/04 21:30:02.0	28.05
10/09/04 22:30:02.0	28.05
10/09/04 23:30:02.0	28.07
10/10/04 00:30:02.0	28.10
10/10/04 01:30:02.0	28.07
10/10/04 02:30:02.0	28.02
10/10/04 03:30:02.0	27.75
10/10/04 04:30:02.0	27.75
10/10/04 05:30:02.0	27.78
10/10/04 06:30:02.0	27.95
10/10/04 07:30:02.0	27.97
10/10/04 08:30:02.0	27.95
10/10/04 09:30:02.0	27.92
10/10/04 10:30:02.0	27.95
10/10/04 11:30:02.0	27.97
10/10/04 12:30:02.0	27.97
10/10/04 13:30:02.0	28.00
10/10/04 14:30:02.0	27.97
10/10/04 15:30:02.0	27.97
10/10/04 16:30:02.0	28.00
10/10/04 17:30:02.0	28.02
10/10/04 18:30:02.0	28.05
10/10/04 19:30:02.0	28.02
10/10/04 20:30:02.0	28.00
10/10/04 21:30:02.0	28.00
10/10/04 22:30:02.0	27.97
10/10/04 23:30:02.0	27.95
10/11/04 00:30:02.0	27.92
10/11/04 01:30:02.0	27.90
10/11/04 02:30:02.0	27.90
10/11/04 03:30:02.0	27.88
10/11/04 04:30:02.0	27.85
10/11/04 05:30:02.0	27.85
10/11/04 06:30:02.0	27.83
10/11/04 07:30:02.0	27.85
10/11/04 08:30:02.0	27.83
10/11/04 09:30:02.0	27.88
10/11/04 10:30:02.0	27.90
10/11/04 11:30:02.0	27.92
10/11/04 12:30:02.0	27.90
10/11/04 13:30:02.0	27.90
10/11/04 14:30:02.0	27.90
10/11/04 15:30:02.0	27.88
10/11/04 16:30:02.0	27.88
10/11/04 17:30:02.0	27.85
10/11/04 18:30:02.0	27.85
10/11/04 19:30:02.0	27.85
10/11/04 20:30:02.0	27.85
10/11/04 21:30:02.0	27.85

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/11/04 22:30:02.0	27.85
10/11/04 23:30:02.0	27.83
10/12/04 00:30:02.0	27.80
10/12/04 01:30:02.0	27.83
10/12/04 02:30:02.0	27.83
10/12/04 03:30:02.0	27.78
10/12/04 04:30:02.0	27.78
10/12/04 05:30:02.0	27.78
10/12/04 06:30:02.0	27.78
10/12/04 07:30:02.0	27.83
10/12/04 08:30:02.0	27.83
10/12/04 09:30:02.0	27.85
10/12/04 10:30:02.0	27.85
10/12/04 11:30:02.0	27.88
10/12/04 12:30:02.0	27.90
10/12/04 13:30:02.0	27.90
10/12/04 14:30:02.0	27.90
10/12/04 15:30:02.0	27.90
10/12/04 16:30:02.0	27.90
10/12/04 17:30:02.0	27.88
10/12/04 18:30:02.0	27.88
10/12/04 19:30:02.0	27.85
10/12/04 20:30:02.0	27.85
10/12/04 21:30:02.0	27.83
10/12/04 22:30:02.0	27.80
10/12/04 23:30:02.0	27.80
10/13/04 00:30:02.0	27.78
10/13/04 01:30:02.0	27.73
10/13/04 02:30:02.0	27.63
10/13/04 03:30:02.0	27.60
10/13/04 04:30:02.0	27.58
10/13/04 05:30:02.0	27.60
10/13/04 06:30:02.0	27.68
10/13/04 07:30:02.0	27.73
10/13/04 08:30:02.0	27.73
10/13/04 09:30:02.0	27.75
10/13/04 10:30:02.0	27.78
10/13/04 11:30:02.0	27.78
10/13/04 12:30:02.0	27.80
10/13/04 13:30:02.0	27.80
10/13/04 14:30:02.0	27.83
10/13/04 15:30:02.0	27.80
10/13/04 16:30:02.0	27.80
10/13/04 17:30:02.0	27.78
10/13/04 18:30:02.0	27.75
10/13/04 19:30:02.0	27.73
10/13/04 20:30:02.0	27.73
10/13/04 21:30:02.0	27.70
10/13/04 22:30:02.0	27.73
10/13/04 23:30:02.0	27.70
10/14/04 00:30:02.0	27.68
10/14/04 01:30:02.0	27.65
10/14/04 02:30:02.0	27.63
10/14/04 03:30:02.0	27.63
10/14/04 04:30:02.0	27.63
10/14/04 05:30:02.0	27.70
10/14/04 06:30:02.0	27.80
10/14/04 07:30:02.0	27.80
10/14/04 08:30:02.0	27.80

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/14/04 09:30:02.0	27.80
10/14/04 10:30:02.0	27.80
10/14/04 11:30:02.0	27.80
10/14/04 12:30:02.0	27.80
10/14/04 13:30:02.0	27.80
10/14/04 14:30:02.0	27.83
10/14/04 15:30:02.0	27.80
10/14/04 16:30:02.0	27.75
10/14/04 17:30:02.0	27.70
10/14/04 18:30:02.0	27.70
10/14/04 19:30:02.0	27.68
10/14/04 20:30:02.0	27.65
10/14/04 21:30:02.0	27.63
10/14/04 22:30:02.0	27.58
10/14/04 23:30:02.0	27.55
10/15/04 00:30:02.0	27.55
10/15/04 01:30:02.0	27.55
10/15/04 02:30:02.0	27.53
10/15/04 03:30:02.0	27.53
10/15/04 04:30:02.0	27.51
10/15/04 05:30:02.0	27.51
10/15/04 06:30:02.0	27.48
10/15/04 07:30:02.0	27.48
10/15/04 08:30:02.0	27.48
10/15/04 09:30:02.0	27.48
10/15/04 10:30:02.0	27.51
10/15/04 11:30:02.0	27.53
10/15/04 12:30:02.0	27.53
10/15/04 13:30:02.0	27.53
10/15/04 14:30:02.0	27.51
10/15/04 15:30:02.0	27.53
10/15/04 16:30:02.0	27.53
10/15/04 17:30:02.0	27.51
10/15/04 18:30:02.0	27.48
10/15/04 19:30:02.0	27.43
10/15/04 20:30:02.0	27.43
10/15/04 21:30:02.0	27.41
10/15/04 22:30:02.0	27.38
10/15/04 23:30:02.0	27.36
10/16/04 00:30:02.0	27.36
10/16/04 01:30:02.0	27.33
10/16/04 02:30:02.0	27.33
10/16/04 03:30:02.0	27.33
10/16/04 04:30:02.0	27.33
10/16/04 05:30:02.0	27.33
10/16/04 06:30:02.0	27.31
10/16/04 07:30:02.0	27.33
10/16/04 08:30:02.0	27.31
10/16/04 09:30:02.0	27.33
10/16/04 10:30:02.0	27.33
10/16/04 11:30:02.0	27.36
10/16/04 12:30:02.0	27.33
10/16/04 13:30:02.0	27.33
10/16/04 14:30:02.0	27.36
10/16/04 15:30:02.0	27.33
10/16/04 16:30:02.0	27.36
10/16/04 17:30:02.0	27.33
10/16/04 18:30:02.0	27.31
10/16/04 19:30:02.0	27.31

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/16/04 20:30:02.0	27.36
10/16/04 21:30:02.0	27.46
10/16/04 22:30:02.0	27.51
10/16/04 23:30:02.0	27.51
10/17/04 00:30:02.0	27.51
10/17/04 01:30:02.0	27.48
10/17/04 02:30:02.0	27.48
10/17/04 03:30:02.0	27.48
10/17/04 04:30:02.0	27.48
10/17/04 05:30:02.0	27.46
10/17/04 06:30:02.0	27.46
10/17/04 07:30:02.0	27.46
10/17/04 08:30:02.0	27.46
10/17/04 09:30:02.0	27.48
10/17/04 10:30:02.0	27.51
10/17/04 11:30:02.0	27.51
10/17/04 12:30:02.0	27.51
10/17/04 13:30:02.0	27.53
10/17/04 14:30:02.0	27.55
10/17/04 15:30:02.0	27.58
10/17/04 16:30:02.0	27.58
10/17/04 17:30:02.0	27.60
10/17/04 18:30:02.0	27.65
10/17/04 19:30:02.0	27.68
10/17/04 20:30:02.0	27.68
10/17/04 21:30:02.0	27.68
10/17/04 22:30:02.0	27.68
10/17/04 23:30:02.0	27.70
10/18/04 00:30:02.0	27.68
10/18/04 01:30:02.0	27.70
10/18/04 02:30:02.0	27.68
10/18/04 03:30:02.0	27.65
10/18/04 04:30:02.0	27.63
10/18/04 05:30:02.0	27.58
10/18/04 06:30:02.0	27.55
10/18/04 07:30:02.0	27.55
10/18/04 08:30:02.0	27.55
10/18/04 09:30:02.0	27.55
10/18/04 10:30:02.0	27.58
10/18/04 11:30:02.0	27.58
10/18/04 12:30:02.0	27.58
10/18/04 13:30:02.0	27.60
10/18/04 14:30:02.0	27.60
10/18/04 15:30:02.0	27.60
10/18/04 16:30:02.0	27.60
10/18/04 17:30:02.0	27.58
10/18/04 18:30:02.0	27.55
10/18/04 19:30:02.0	27.55
10/18/04 20:30:02.0	27.55
10/18/04 21:30:02.0	27.58
10/18/04 22:30:02.0	27.58
10/18/04 23:30:02.0	27.60
10/19/04 00:30:02.0	27.60
10/19/04 01:30:02.0	27.58
10/19/04 02:30:02.0	27.58
10/19/04 03:30:02.0	27.58
10/19/04 04:30:02.0	27.55
10/19/04 05:30:02.0	27.55
10/19/04 06:30:02.0	27.55

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/19/04 07:30:02.0	27.53
10/19/04 08:30:02.0	27.53
10/19/04 09:30:02.0	27.53
10/19/04 10:30:02.0	27.55
10/19/04 11:30:02.0	27.58
10/19/04 12:30:02.0	27.60
10/19/04 13:30:02.0	27.60
10/19/04 14:30:02.0	27.60
10/19/04 15:30:02.0	27.63
10/19/04 16:30:02.0	27.60
10/19/04 17:30:02.0	27.58
10/19/04 18:30:02.0	27.58
10/19/04 19:30:02.0	27.58
10/19/04 20:30:02.0	27.58
10/19/04 21:30:02.0	27.60
10/19/04 22:30:02.0	27.60
10/19/04 23:30:02.0	27.58
10/20/04 00:30:02.0	27.58
10/20/04 01:30:02.0	27.55
10/20/04 02:30:02.0	27.58
10/20/04 03:30:02.0	27.58
10/20/04 04:30:02.0	27.55
10/20/04 05:30:02.0	27.55
10/20/04 06:30:02.0	27.55
10/20/04 07:30:02.0	27.53
10/20/04 08:30:02.0	27.53
10/20/04 09:30:02.0	27.55
10/20/04 10:30:02.0	27.58
10/20/04 11:30:02.0	27.60
10/20/04 12:30:02.0	27.60
10/20/04 13:30:02.0	27.63
10/20/04 14:30:02.0	27.68
10/20/04 15:30:02.0	27.73
10/20/04 16:30:02.0	27.73
10/20/04 17:30:02.0	27.70
10/20/04 18:30:02.0	27.70
10/20/04 19:30:02.0	27.70
10/20/04 20:30:02.0	27.70
10/20/04 21:30:02.0	27.70
10/20/04 22:30:02.0	27.70
10/20/04 23:30:02.0	27.73
10/21/04 00:30:02.0	27.73
10/21/04 01:30:02.0	27.73
10/21/04 02:30:02.0	27.75
10/21/04 03:30:02.0	27.75
10/21/04 04:30:02.0	27.78
10/21/04 05:30:02.0	27.75
10/21/04 06:30:02.0	27.75
10/21/04 07:30:02.0	27.73
10/21/04 08:30:02.0	27.73
10/21/04 09:30:02.0	27.73
10/21/04 10:30:02.0	27.75
10/21/04 11:30:02.0	27.80
10/21/04 12:30:02.0	27.85
10/21/04 13:30:02.0	27.90
10/21/04 14:30:02.0	27.88
10/21/04 15:30:02.0	27.92
10/21/04 16:30:02.0	27.90
10/21/04 17:30:02.0	27.85

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/21/04 18:30:02.0	27.83
10/21/04 19:30:02.0	27.83
10/21/04 20:30:02.0	27.83
10/21/04 21:30:02.0	27.83
10/21/04 22:30:02.0	27.83
10/21/04 23:30:02.0	27.85
10/22/04 00:30:02.0	27.85
10/22/04 01:30:02.0	27.88
10/22/04 02:30:02.0	27.88
10/22/04 03:30:02.0	27.88
10/22/04 04:30:02.0	27.88
10/22/04 05:30:02.0	27.88
10/22/04 06:30:02.0	27.90
10/22/04 07:30:02.0	27.88
10/22/04 08:30:02.0	27.90
10/22/04 09:30:02.0	27.90
10/22/04 10:30:02.0	27.95
10/22/04 11:30:02.0	28.00
10/22/04 12:30:02.0	28.05
10/22/04 13:30:02.0	28.07
10/22/04 14:30:02.0	27.97
10/22/04 15:30:02.0	28.02
10/22/04 16:30:02.0	28.02
10/22/04 17:30:02.0	27.97
10/22/04 18:30:02.0	27.95
10/22/04 19:30:02.0	27.95
10/22/04 20:30:02.0	27.95
10/22/04 21:30:02.0	27.97
10/22/04 22:30:02.0	27.95
10/22/04 23:30:02.0	27.95
10/23/04 00:30:02.0	27.97
10/23/04 01:30:02.0	27.95
10/23/04 02:30:02.0	27.97
10/23/04 03:30:02.0	27.97
10/23/04 04:30:02.0	27.97
10/23/04 05:30:02.0	28.00
10/23/04 06:30:02.0	28.00
10/23/04 07:30:02.0	27.95
10/23/04 08:30:02.0	27.97
10/23/04 09:30:02.0	28.02
10/23/04 10:30:02.0	28.02
10/23/04 11:30:02.0	28.05
10/23/04 12:30:02.0	28.07
10/23/04 13:30:02.0	28.07
10/23/04 14:30:02.0	28.05
10/23/04 15:30:02.0	28.05
10/23/04 16:30:02.0	28.05
10/23/04 17:30:02.0	28.02
10/23/04 18:30:02.0	28.00
10/23/04 19:30:02.0	28.00
10/23/04 20:30:02.0	28.02
10/23/04 21:30:02.0	28.02
10/23/04 22:30:02.0	28.02
10/23/04 23:30:02.0	28.02
10/24/04 00:30:02.0	28.02
10/24/04 01:30:02.0	28.02
10/24/04 02:30:02.0	28.00
10/24/04 03:30:02.0	28.00
10/24/04 04:30:02.0	28.00

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/24/04 05:30:02.0	28.00
10/24/04 06:30:02.0	28.00
10/24/04 07:30:02.0	28.00
10/24/04 08:30:02.0	28.00
10/24/04 09:30:02.0	28.00
10/24/04 10:30:02.0	28.02
10/24/04 11:30:02.0	28.05
10/24/04 12:30:02.0	28.05
10/24/04 13:30:02.0	28.02
10/24/04 14:30:02.0	28.02
10/24/04 15:30:02.0	28.02
10/24/04 16:30:02.0	28.02
10/24/04 17:30:02.0	28.02
10/24/04 18:30:02.0	28.02
10/24/04 19:30:02.0	28.00
10/24/04 20:30:02.0	28.02
10/24/04 21:30:02.0	28.02
10/24/04 22:30:02.0	28.02
10/24/04 23:30:02.0	28.02
10/25/04 00:30:02.0	28.05
10/25/04 01:30:02.0	28.02
10/25/04 02:30:02.0	28.02
10/25/04 03:30:02.0	28.02
10/25/04 04:30:02.0	28.00
10/25/04 05:30:02.0	28.00
10/25/04 06:30:02.0	27.97
10/25/04 07:30:02.0	27.97
10/25/04 08:30:02.0	27.97
10/25/04 09:30:02.0	28.00
10/25/04 10:30:02.0	28.00
10/25/04 11:30:02.0	28.00
10/25/04 12:30:02.0	28.02
10/25/04 13:30:02.0	28.00
10/25/04 14:30:02.0	28.00
10/25/04 15:30:02.0	27.97
10/25/04 16:30:02.0	27.97
10/25/04 17:30:02.0	27.97
10/25/04 18:30:02.0	27.97
10/25/04 19:30:02.0	27.97
10/25/04 20:30:02.0	27.97
10/25/04 21:30:02.0	27.97
10/25/04 22:30:02.0	27.97
10/25/04 23:30:02.0	27.97
10/26/04 00:30:02.0	27.97
10/26/04 01:30:02.0	27.95
10/26/04 02:30:02.0	27.92
10/26/04 03:30:02.0	27.92
10/26/04 04:30:02.0	27.85
10/26/04 05:30:02.0	27.75
10/26/04 06:30:02.0	27.85
10/26/04 07:30:02.0	27.85
10/26/04 08:30:02.0	27.88
10/26/04 09:30:02.0	27.88
10/26/04 10:30:02.0	27.92
10/26/04 11:30:02.0	27.92
10/26/04 12:30:02.0	27.92
10/26/04 13:30:02.0	27.88
10/26/04 14:30:02.0	27.88
10/26/04 15:30:02.0	27.85

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/26/04 16:30:02.0	27.88
10/26/04 17:30:02.0	27.90
10/26/04 18:30:02.0	27.92
10/26/04 19:30:02.0	27.92
10/26/04 20:30:02.0	27.90
10/26/04 21:30:02.0	27.88
10/26/04 22:30:02.0	27.85
10/26/04 23:30:02.0	27.85
10/27/04 00:30:02.0	27.85
10/27/04 01:30:02.0	27.85
10/27/04 02:30:02.0	27.85
10/27/04 03:30:02.0	27.83
10/27/04 04:30:02.0	27.83
10/27/04 05:30:02.0	27.83
10/27/04 06:30:02.0	27.83
10/27/04 07:30:02.0	27.83
10/27/04 08:30:02.0	27.85
10/27/04 09:30:02.0	27.90
10/27/04 10:30:02.0	27.92
10/27/04 11:30:02.0	27.97
10/27/04 12:30:02.0	28.05
10/27/04 13:30:02.0	27.92
10/27/04 14:30:02.0	27.95
10/27/04 15:30:02.0	27.95
10/27/04 16:30:02.0	27.95
10/27/04 17:30:02.0	27.95
10/27/04 18:30:02.0	27.90
10/27/04 19:30:02.0	27.90
10/27/04 20:30:02.0	27.90
10/27/04 21:30:02.0	27.92
10/27/04 22:30:02.0	27.88
10/27/04 23:30:02.0	27.90
10/28/04 00:30:02.0	27.90
10/28/04 01:30:02.0	27.92
10/28/04 02:30:02.0	27.92
10/28/04 03:30:02.0	27.97
10/28/04 04:30:02.0	28.00
10/28/04 05:30:02.0	28.00
10/28/04 06:30:02.0	28.00
10/28/04 07:30:02.0	28.02
10/28/04 08:30:02.0	28.17
10/28/04 09:30:02.0	28.22
10/28/04 10:30:02.0	28.22
10/28/04 11:30:02.0	28.22
10/28/04 12:30:02.0	28.25
10/28/04 13:30:02.0	28.25
10/28/04 14:30:02.0	28.25
10/28/04 15:30:02.0	28.25
10/28/04 16:30:02.0	28.22
10/28/04 17:30:02.0	28.17
10/28/04 18:30:02.0	28.17
10/28/04 19:30:02.0	28.17
10/28/04 20:30:02.0	28.17
10/28/04 21:30:02.0	28.17
10/28/04 22:30:02.0	28.17
10/28/04 23:30:02.0	28.25
10/29/04 00:30:02.0	28.25
10/29/04 01:30:02.0	28.25
10/29/04 02:30:02.0	28.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/29/04 03:30:02.0	28.20
10/29/04 04:30:02.0	28.20
10/29/04 05:30:02.0	28.20
10/29/04 06:30:02.0	28.20
10/29/04 07:30:02.0	28.20
10/29/04 08:30:02.0	28.20
10/29/04 09:30:02.0	28.17
10/29/04 10:30:02.0	28.17
10/29/04 11:30:02.0	28.15
10/29/04 12:30:02.0	28.22
10/29/04 13:30:02.0	28.25
10/29/04 14:30:02.0	28.25
10/29/04 15:30:02.0	28.22
10/29/04 16:30:02.0	28.15
10/29/04 17:30:02.0	28.15
10/29/04 18:30:02.0	28.10
10/29/04 19:30:02.0	28.22
10/29/04 20:30:02.0	28.17
10/29/04 21:30:02.0	28.12
10/29/04 22:30:02.0	28.17
10/29/04 23:30:02.0	28.20
10/30/04 00:30:02.0	28.20
10/30/04 01:30:02.0	28.15
10/30/04 02:30:02.0	28.15
10/30/04 03:30:02.0	28.15
10/30/04 04:30:02.0	28.10
10/30/04 05:30:02.0	28.10
10/30/04 06:30:02.0	28.10
10/30/04 07:30:02.0	28.07
10/30/04 08:30:02.0	28.02
10/30/04 09:30:02.0	28.05
10/30/04 10:30:02.0	28.02
10/30/04 11:30:02.0	28.05
10/30/04 12:30:02.0	28.07
10/30/04 13:30:02.0	28.05
10/30/04 14:30:02.0	27.97
10/30/04 15:30:02.0	27.97
10/30/04 16:30:02.0	27.95
10/30/04 17:30:02.0	27.95
10/30/04 18:30:02.0	27.95
10/30/04 19:30:02.0	27.95
10/30/04 20:30:02.0	27.97
10/30/04 21:30:02.0	27.97
10/30/04 22:30:02.0	27.97
10/30/04 23:30:02.0	28.00
10/31/04 00:30:02.0	27.95
10/31/04 01:30:02.0	27.97
10/31/04 01:30:02.0	28.15
10/31/04 02:30:02.0	28.35
10/31/04 03:30:02.0	28.42
10/31/04 04:30:02.0	28.49
10/31/04 05:30:02.0	28.47
10/31/04 06:30:02.0	28.30
10/31/04 07:30:02.0	28.35
10/31/04 08:30:02.0	28.44
10/31/04 09:30:02.0	28.44
10/31/04 10:30:02.0	28.49
10/31/04 11:30:02.0	28.52
10/31/04 12:30:02.0	28.54

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
10/31/04 13:30:02.0	28.44
10/31/04 14:30:02.0	28.32
10/31/04 15:30:02.0	28.32
10/31/04 16:30:02.0	28.30
10/31/04 17:30:02.0	28.27
10/31/04 18:30:02.0	28.25
10/31/04 19:30:02.0	28.25
10/31/04 20:30:02.0	28.27
10/31/04 21:30:02.0	28.30
10/31/04 22:30:02.0	28.27
10/31/04 23:30:02.0	28.27
11/01/04 00:30:02.0	28.27
11/01/04 01:30:02.0	28.27
11/01/04 02:30:02.0	28.30
11/01/04 03:30:02.0	28.32
11/01/04 04:30:02.0	28.47
11/01/04 05:30:02.0	28.59
11/01/04 06:30:02.0	28.54
11/01/04 07:30:02.0	28.54
11/01/04 08:30:02.0	28.47
11/01/04 09:30:02.0	28.47
11/01/04 10:30:02.0	28.47
11/01/04 11:30:02.0	28.47
11/01/04 12:30:02.0	28.47
11/01/04 13:30:02.0	28.52
11/01/04 14:30:02.0	28.52
11/01/04 15:30:02.0	28.52
11/01/04 16:30:02.0	28.54
11/01/04 17:30:02.0	28.52
11/01/04 18:30:02.0	28.54
11/01/04 19:30:02.0	28.54
11/01/04 20:30:02.0	28.54
11/01/04 21:30:02.0	28.54
11/01/04 22:30:02.0	28.54
11/01/04 23:30:02.0	28.59
11/02/04 00:30:02.0	28.62
11/02/04 01:30:02.0	28.59
11/02/04 02:30:02.0	28.59
11/02/04 03:30:02.0	28.54
11/02/04 04:30:02.0	28.47
11/02/04 05:30:02.0	28.35
11/02/04 06:30:02.0	28.32
11/02/04 07:30:02.0	28.32
11/02/04 08:30:02.0	28.32
11/02/04 09:30:02.0	28.32
11/02/04 10:30:02.0	28.30
11/02/04 11:30:02.0	27.90
11/02/04 12:30:02.0	27.85
11/02/04 13:30:02.0	27.85
11/02/04 14:30:02.0	27.85
11/02/04 15:30:02.0	27.92
11/02/04 16:30:02.0	27.97
11/02/04 17:30:02.0	27.95
11/02/04 18:30:02.0	27.95
11/02/04 19:30:02.0	28.15
11/02/04 20:30:02.0	28.30
11/02/04 21:30:02.0	28.25
11/02/04 22:30:02.0	28.25
11/02/04 23:30:02.0	28.12

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/03/04 00:30:02.0	28.07
11/03/04 01:30:02.0	28.20
11/03/04 02:30:02.0	28.35
11/03/04 03:30:02.0	28.30
11/03/04 04:30:02.0	28.25
11/03/04 05:30:02.0	28.20
11/03/04 06:30:02.0	28.15
11/03/04 07:30:02.0	28.07
11/03/04 08:30:02.0	28.00
11/03/04 09:30:02.0	27.90
11/03/04 10:30:02.0	27.78
11/03/04 11:30:02.0	27.78
11/03/04 12:30:02.0	27.70
11/03/04 13:30:02.0	27.53
11/03/04 14:30:02.0	27.48
11/03/04 15:30:02.0	27.43
11/03/04 16:30:02.0	27.46
11/03/04 17:30:02.0	27.48
11/03/04 18:30:02.0	27.48
11/03/04 19:30:02.0	27.43
11/03/04 20:30:02.0	27.46
11/03/04 21:30:02.0	27.51
11/03/04 22:30:02.0	27.46
11/03/04 23:30:02.0	27.48
11/04/04 00:30:02.0	27.53
11/04/04 01:30:02.0	27.48
11/04/04 02:30:02.0	27.41
11/04/04 03:30:02.0	27.33
11/04/04 04:30:02.0	27.26
11/04/04 05:30:02.0	27.24
11/04/04 06:30:02.0	27.21
11/04/04 07:30:02.0	27.19
11/04/04 08:30:02.0	27.16
11/04/04 09:30:02.0	27.19
11/04/04 10:30:02.0	27.19
11/04/04 11:30:02.0	27.21
11/04/04 12:30:02.0	27.24
11/04/04 13:30:02.0	27.33
11/04/04 14:30:02.0	27.36
11/04/04 15:30:02.0	27.38
11/04/04 16:30:02.0	27.36
11/04/04 17:30:02.0	27.28
11/04/04 18:30:02.0	27.21
11/04/04 19:30:02.0	27.24
11/04/04 20:30:02.0	27.24
11/04/04 21:30:02.0	27.21
11/04/04 22:30:02.0	27.19
11/04/04 23:30:02.0	27.19
11/05/04 00:30:02.0	27.19
11/05/04 01:30:02.0	27.16
11/05/04 02:30:02.0	27.16
11/05/04 03:30:02.0	27.16
11/05/04 04:30:02.0	27.16
11/05/04 05:30:02.0	27.16
11/05/04 06:30:02.0	27.11
11/05/04 07:30:02.0	27.11
11/05/04 08:30:02.0	27.09
11/05/04 09:30:02.0	27.06
11/05/04 10:30:02.0	27.09

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/05/04 11:30:02.0	27.14
11/05/04 12:30:02.0	27.16
11/05/04 13:30:02.0	27.19
11/05/04 14:30:02.0	27.19
11/05/04 15:30:02.0	27.19
11/05/04 16:30:02.0	27.19
11/05/04 17:30:02.0	27.19
11/05/04 18:30:02.0	27.16
11/05/04 19:30:02.0	27.14
11/05/04 20:30:02.0	27.14
11/05/04 21:30:02.0	27.16
11/05/04 22:30:02.0	27.14
11/05/04 23:30:02.0	27.16
11/06/04 00:30:02.0	27.19
11/06/04 01:30:02.0	27.16
11/06/04 02:30:02.0	27.16
11/06/04 03:30:02.0	27.16
11/06/04 04:30:02.0	27.16
11/06/04 05:30:02.0	27.16
11/06/04 06:30:02.0	27.14
11/06/04 07:30:02.0	27.16
11/06/04 08:30:02.0	27.19
11/06/04 09:30:02.0	27.21
11/06/04 10:30:02.0	27.26
11/06/04 11:30:02.0	27.24
11/06/04 12:30:02.0	27.21
11/06/04 13:30:02.0	27.21
11/06/04 14:30:02.0	27.19
11/06/04 15:30:02.0	27.21
11/06/04 16:30:02.0	27.24
11/06/04 17:30:02.0	27.24
11/06/04 18:30:02.0	27.19
11/06/04 19:30:02.0	27.19
11/06/04 20:30:02.0	27.31
11/06/04 21:30:02.0	27.53
11/06/04 22:30:02.0	27.51
11/06/04 23:30:02.0	27.43
11/07/04 00:30:02.0	27.68
11/07/04 01:30:02.0	27.70
11/07/04 02:30:02.0	27.73
11/07/04 03:30:02.0	27.70
11/07/04 04:30:02.0	27.65
11/07/04 05:30:02.0	27.46
11/07/04 06:30:02.0	27.38
11/07/04 07:30:02.0	27.36
11/07/04 08:30:02.0	27.36
11/07/04 09:30:02.0	27.31
11/07/04 10:30:02.0	27.26
11/07/04 11:30:02.0	27.21
11/07/04 12:30:02.0	27.19
11/07/04 13:30:02.0	27.19
11/07/04 14:30:02.0	27.26
11/07/04 15:30:02.0	27.28
11/07/04 16:30:02.0	27.28
11/07/04 17:30:02.0	27.28
11/07/04 18:30:02.0	27.31
11/07/04 19:30:02.0	27.31
11/07/04 20:30:02.0	27.33
11/07/04 21:30:02.0	27.36

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/07/04 22:30:02.0	27.36
11/07/04 23:30:02.0	27.38
11/08/04 00:30:02.0	27.43
11/08/04 01:30:02.0	27.48
11/08/04 02:30:02.0	27.46
11/08/04 03:30:02.0	27.48
11/08/04 04:30:02.0	27.48
11/08/04 05:30:02.0	27.46
11/08/04 06:30:02.0	27.46
11/08/04 07:30:02.0	27.46
11/08/04 08:30:02.0	27.46
11/08/04 09:30:02.0	27.43
11/08/04 10:30:02.0	27.43
11/08/04 11:30:02.0	27.43
11/08/04 12:30:02.0	27.43
11/08/04 13:30:02.0	27.41
11/08/04 14:30:02.0	27.41
11/08/04 15:30:02.0	27.36
11/08/04 16:30:02.0	27.41
11/08/04 17:30:02.0	27.38
11/08/04 18:30:02.0	27.36
11/08/04 19:30:02.0	27.33
11/08/04 20:30:02.0	27.33
11/08/04 21:30:02.0	27.31
11/08/04 22:30:02.0	27.33
11/08/04 23:30:02.0	27.36
11/09/04 00:30:02.0	27.38
11/09/04 01:30:02.0	27.36
11/09/04 02:30:02.0	27.31
11/09/04 03:30:02.0	27.28
11/09/04 04:30:02.0	27.26
11/09/04 05:30:02.0	27.24
11/09/04 06:30:02.0	27.21
11/09/04 07:30:02.0	27.19
11/09/04 08:30:02.0	27.19
11/09/04 09:30:02.0	27.21
11/09/04 10:30:02.0	27.24
11/09/04 11:30:02.0	27.26
11/09/04 12:30:02.0	27.28
11/09/04 13:30:02.0	27.24
11/09/04 14:30:02.0	27.24
11/09/04 15:30:02.0	27.26
11/09/04 16:30:02.0	27.24
11/09/04 17:30:02.0	27.26
11/09/04 18:30:02.0	27.26
11/09/04 19:30:02.0	27.26
11/09/04 20:30:02.0	27.26
11/09/04 21:30:02.0	27.24
11/09/04 22:30:02.0	27.19
11/09/04 23:30:02.0	27.21
11/10/04 00:30:02.0	27.21
11/10/04 01:30:02.0	27.19
11/10/04 02:30:02.0	27.16
11/10/04 03:30:02.0	27.14
11/10/04 04:30:02.0	27.16
11/10/04 05:30:02.0	27.16
11/10/04 06:30:02.0	27.16
11/10/04 07:30:02.0	27.16
11/10/04 08:30:02.0	27.14

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/10/04 09:30:02.0	27.14
11/10/04 10:30:02.0	27.11
11/10/04 11:30:02.0	27.16
11/10/04 12:30:02.0	27.11
11/10/04 13:30:02.0	27.11
11/10/04 14:30:02.0	27.14
11/10/04 15:30:02.0	27.16
11/10/04 16:30:02.0	27.21
11/10/04 17:30:02.0	27.09
11/10/04 18:30:02.0	26.99
11/10/04 19:30:02.0	26.92
11/10/04 20:30:02.0	26.82
11/10/04 21:30:02.0	26.87
11/10/04 22:30:02.0	26.94
11/10/04 23:30:02.0	27.21
11/11/04 00:30:02.0	27.24
11/11/04 01:30:02.0	27.24
11/11/04 02:30:02.0	27.21
11/11/04 03:30:02.0	27.19
11/11/04 04:30:02.0	27.16
11/11/04 05:30:02.0	27.14
11/11/04 06:30:02.0	27.11
11/11/04 07:30:02.0	27.21
11/11/04 08:30:02.0	27.24
11/11/04 09:30:02.0	27.26
11/11/04 10:30:02.0	27.24
11/11/04 11:30:02.0	27.21
11/11/04 12:30:02.0	27.24
11/11/04 13:30:02.0	27.21
11/11/04 14:30:02.0	27.19
11/11/04 15:30:02.0	27.16
11/11/04 16:30:02.0	27.14
11/11/04 17:30:02.0	27.06
11/11/04 18:30:02.0	27.01
11/11/04 19:30:02.0	27.01
11/11/04 20:30:02.0	27.14
11/11/04 21:30:02.0	27.16
11/11/04 22:30:02.0	27.24
11/11/04 23:30:02.0	27.06
11/12/04 00:30:02.0	26.92
11/12/04 01:30:02.0	26.97
11/12/04 02:30:02.0	26.97
11/12/04 03:30:02.0	26.99
11/12/04 04:30:02.0	27.04
11/12/04 05:30:02.0	27.04
11/12/04 06:30:02.0	27.04
11/12/04 07:30:02.0	27.01
11/12/04 08:30:02.0	26.99
11/12/04 09:30:02.0	26.97
11/12/04 10:30:02.0	26.97
11/12/04 11:30:02.0	26.99
11/12/04 12:30:02.0	26.99
11/12/04 13:30:02.0	26.99
11/12/04 14:30:02.0	26.99
11/12/04 15:30:02.0	26.97
11/12/04 16:30:02.0	26.94
11/12/04 17:30:02.0	26.89
11/12/04 18:30:02.0	26.87
11/12/04 19:30:02.0	26.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/12/04 20:30:02.0	26.94
11/12/04 21:30:02.0	26.94
11/12/04 22:30:02.0	26.94
11/12/04 23:30:02.0	26.89
11/13/04 00:30:02.0	26.92
11/13/04 01:30:02.0	26.97
11/13/04 02:30:02.0	26.94
11/13/04 03:30:02.0	26.82
11/13/04 04:30:02.0	26.72
11/13/04 05:30:02.0	26.74
11/13/04 06:30:02.0	26.82
11/13/04 07:30:02.0	26.82
11/13/04 08:30:02.0	26.77
11/13/04 09:30:02.0	26.77
11/13/04 10:30:02.0	26.77
11/13/04 11:30:02.0	26.79
11/13/04 12:30:02.0	26.79
11/13/04 13:30:02.0	26.79
11/13/04 14:30:02.0	26.79
11/13/04 15:30:02.0	26.79
11/13/04 16:30:02.0	26.79
11/13/04 17:30:02.0	26.82
11/13/04 18:30:02.0	26.87
11/13/04 19:30:02.0	26.89
11/13/04 20:30:02.0	26.92
11/13/04 21:30:02.0	26.94
11/13/04 22:30:02.0	26.94
11/13/04 23:30:02.0	26.94
11/14/04 00:30:02.0	26.89
11/14/04 01:30:02.0	26.89
11/14/04 02:30:02.0	26.87
11/14/04 03:30:02.0	26.84
11/14/04 04:30:02.0	26.84
11/14/04 05:30:02.0	26.87
11/14/04 06:30:02.0	26.87
11/14/04 07:30:02.0	26.87
11/14/04 08:30:02.0	26.84
11/14/04 09:30:02.0	26.82
11/14/04 10:30:02.0	26.82
11/14/04 11:30:02.0	26.79
11/14/04 12:30:02.0	26.79
11/14/04 13:30:02.0	26.77
11/14/04 14:30:02.0	26.74
11/14/04 15:30:02.0	26.70
11/14/04 16:30:02.0	26.67
11/14/04 17:30:02.0	26.70
11/14/04 18:30:02.0	26.70
11/14/04 19:30:02.0	26.70
11/14/04 20:30:02.0	26.70
11/14/04 21:30:02.0	26.72
11/14/04 22:30:02.0	26.72
11/14/04 23:30:02.0	26.74
11/15/04 00:30:02.0	26.77
11/15/04 01:30:02.0	26.77
11/15/04 02:30:02.0	26.77
11/15/04 03:30:02.0	26.74
11/15/04 04:30:02.0	26.74
11/15/04 05:30:02.0	26.74
11/15/04 06:30:02.0	26.74

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/15/04 07:30:02.0	26.74
11/15/04 08:30:02.0	26.72
11/15/04 09:30:02.0	26.74
11/15/04 10:30:02.0	26.74
11/15/04 11:30:02.0	26.74
11/15/04 12:30:02.0	26.74
11/15/04 13:30:02.0	26.77
11/15/04 14:30:02.0	26.79
11/15/04 15:30:02.0	26.77
11/15/04 16:30:02.0	26.77
11/15/04 17:30:02.0	26.77
11/15/04 18:30:02.0	26.77
11/15/04 19:30:02.0	26.77
11/15/04 20:30:02.0	26.77
11/15/04 21:30:02.0	26.77
11/15/04 22:30:02.0	26.74
11/15/04 23:30:02.0	26.57
11/16/04 00:30:02.0	26.52
11/16/04 01:30:02.0	26.55
11/16/04 02:30:02.0	26.57
11/16/04 03:30:02.0	26.57
11/16/04 04:30:02.0	26.57
11/16/04 05:30:02.0	26.57
11/16/04 06:30:02.0	26.60
11/16/04 07:30:02.0	26.60
11/16/04 08:30:02.0	26.60
11/16/04 09:30:02.0	26.60
11/16/04 10:30:02.0	26.62
11/16/04 11:30:02.0	26.65
11/16/04 12:30:02.0	26.65
11/16/04 13:30:02.0	26.65
11/16/04 14:30:02.0	26.65
11/16/04 15:30:02.0	26.62
11/16/04 16:30:02.0	26.62
11/16/04 17:30:02.0	26.60
11/16/04 18:30:02.0	26.57
11/16/04 19:30:02.0	26.57
11/16/04 20:30:02.0	26.55
11/16/04 21:30:02.0	26.55
11/16/04 22:30:02.0	26.55
11/16/04 23:30:02.0	26.57
11/17/04 00:30:02.0	26.57
11/17/04 01:30:02.0	26.57
11/17/04 02:30:02.0	26.57
11/17/04 03:30:02.0	26.57
11/17/04 04:30:02.0	26.57
11/17/04 05:30:02.0	26.55
11/17/04 06:30:02.0	26.52
11/17/04 07:30:02.0	26.60
11/17/04 08:30:02.0	26.57
11/17/04 09:30:02.0	26.57
11/17/04 10:30:02.0	26.52
11/17/04 11:30:02.0	26.50
11/17/04 12:30:02.0	26.50
11/17/04 13:30:02.0	26.48
11/17/04 14:30:02.0	26.48
11/17/04 15:30:02.0	26.45
11/17/04 16:30:02.0	26.43
11/17/04 17:30:02.0	26.45

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data July 15, 2004 - November 19, 2004	
Date/Time	Temp (ºC)
11/17/04 18:30:02.0	26.45
11/17/04 19:30:02.0	26.43
11/17/04 20:30:02.0	26.43
11/17/04 21:30:02.0	26.43
11/17/04 22:30:02.0	26.45
11/17/04 23:30:02.0	26.43
11/18/04 00:30:02.0	26.40
11/18/04 01:30:02.0	26.43
11/18/04 02:30:02.0	26.40
11/18/04 03:30:02.0	26.38
11/18/04 04:30:02.0	26.38
11/18/04 05:30:02.0	26.38
11/18/04 06:30:02.0	26.38
11/18/04 07:30:02.0	26.38
11/18/04 08:30:02.0	26.40
11/18/04 09:30:02.0	26.40
11/18/04 10:30:02.0	26.35
11/18/04 11:30:02.0	26.35
11/18/04 12:30:02.0	26.35
11/18/04 13:30:02.0	26.38
11/18/04 14:30:02.0	26.38
11/18/04 15:30:02.0	26.40
11/18/04 16:30:02.0	26.43
11/18/04 17:30:02.0	26.57
11/18/04 18:30:02.0	26.67
11/18/04 19:30:02.0	26.67
11/18/04 20:30:02.0	26.67
11/18/04 21:30:02.0	26.70
11/18/04 22:30:02.0	26.67
11/18/04 23:30:02.0	26.79
11/19/04 00:30:02.0	26.82
11/19/04 01:30:02.0	26.70
11/19/04 02:30:02.0	26.60
11/19/04 03:30:02.0	26.52
11/19/04 04:30:02.0	26.43
11/19/04 05:30:02.0	26.40
11/19/04 06:30:02.0	26.40
11/19/04 07:30:02.0	26.38
11/19/04 08:30:02.0	26.40
11/19/04 09:30:02.0	26.38
11/19/04 10:30:02.0	26.38
11/19/04 11:30:02.0	26.40
11/19/04 12:30:02.0	26.43
11/19/04 13:30:02.0	26.50
11/19/04 14:30:02.0	26.48
11/19/04 15:30:02.0	26.45
11/19/04 16:30:02.0	26.38
11/19/04 17:30:02.0	23.57

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/19/04	19:00:40	24.31	0.004	9.91	77	14.73	0.021	6.39	-2.4	140.6	2.8	15.6
11/19/04	19:30:39	24.98	0.005	9.26	76	14.72	0.017	6.48	-7.8	136.0	2.9	16.3
11/19/04	20:00:39	25.11	0.005	9.04	76	14.72	0.015	6.46	-6.6	213.6	2.9	16.1
11/19/04	20:30:39	24.55	0.008	9.13	77	14.72	0.011	6.55	-11.2	137.3	2.9	16.6
11/19/04	21:00:39	24.97	0.011	8.59	76	14.71	0.010	6.58	-13.0	73.3	3.0	16.4
11/19/04	21:30:40	25.86	0.012	8.31	74	14.71	0.007	6.53	-10.2	334.2	2.8	16.3
11/19/04	22:00:39	24.84	0.013	8.52	74	14.71	0.006	6.57	-12.5	66.7	2.9	16.2
11/19/04	22:30:39	26.57	56.066	6.41	100	55.02	27.717	8.03	-93.8	20.4	2.8	5.4
11/19/04	23:00:39	26.59	56.071	6.44	100	55.11	27.780	8.02	-93.6	6.5	2.7	5.5
11/19/04	23:30:39	26.60	56.091	6.50	100	55.13	27.791	8.02	-93.6	1.3	2.9	5.6
11/20/04	00:00:40	26.62	56.119	6.49	100	55.19	27.831	8.02	-93.6	1.1	2.8	5.6
11/20/04	00:30:39	26.63	56.125	6.46	100	55.22	27.852	8.02	-93.6	1.2	2.9	5.6
11/20/04	01:00:39	26.65	56.129	6.40	101	55.22	27.852	8.02	-93.6	1.0	2.9	5.9
11/20/04	01:30:39	26.64	56.126	6.55	101	55.30	27.908	8.03	-93.7	1.1	2.9	5.8
11/20/04	02:00:39	26.64	56.141	6.40	100	55.34	27.934	8.02	-93.7	1.1	2.8	5.8
11/20/04	02:30:40	26.63	56.137	6.35	100	55.42	27.993	8.03	-93.7	1.0	2.8	5.7
11/20/04	03:00:39	26.61	56.125	6.47	100	55.45	28.011	8.03	-93.8	1.1	2.9	5.6
11/20/04	03:30:39	26.59	56.122	6.44	100	55.38	27.959	8.03	-93.9	1.0	2.8	5.7
11/20/04	04:00:39	26.55	56.088	6.47	100	55.52	28.059	8.03	-94.0	1.2	2.8	5.7
11/20/04	04:30:39	26.51	56.041	6.60	100	55.49	28.037	8.03	-93.9	1.1	2.9	5.8
11/20/04	05:00:40	26.51	56.037	6.26	100	55.46	28.019	8.03	-93.9	1.1	2.9	5.7
11/20/04	05:30:39	26.45	55.970	6.27	100	55.38	27.966	8.03	-93.7	0.9	2.7	5.8
11/20/04	06:00:39	26.42	55.970	6.28	100	55.45	28.010	8.04	-94.2	1.1	2.9	5.9
11/20/04	06:30:39	26.41	55.955	6.29	100	55.43	27.995	8.04	-94.4	1.1	2.9	5.9
11/20/04	07:00:39	26.41	55.943	6.34	100	55.40	27.975	8.04	-94.5	1.0	2.7	5.8
11/20/04	07:30:40	26.40	55.929	6.38	101	55.39	27.970	8.04	-94.4	0.9	2.9	5.9
11/20/04	08:00:39	26.39	55.896	6.24	100	55.47	28.024	8.04	-94.4	1.0	2.8	5.9
11/20/04	08:30:39	26.38	55.894	6.37	100	55.37	27.958	8.04	-94.5	1.1	2.8	5.8
11/20/04	09:00:39	26.33	55.826	6.50	100	55.32	27.926	8.04	-94.4	1.0	2.7	5.9
11/20/04	09:30:39	26.13	55.546	6.52	100	55.40	27.982	8.04	-94.5	1.0	2.9	5.9
11/20/04	10:00:40	26.05	55.440	6.62	100	55.42	27.999	8.05	-94.8	1.1	2.8	5.9
11/20/04	10:30:39	26.06	55.456	6.60	100	55.30	27.910	8.05	-94.9	1.1	2.9	5.9
11/20/04	11:00:39	26.04	55.419	7.14	100	55.31	27.922	8.05	-95.0	1.0	2.8	6.0
11/20/04	11:30:39	26.03	55.411	6.66	99	55.45	28.014	8.05	-95.0	1.0	2.9	6.1
11/20/04	12:00:39	26.04	55.432	6.67	99	55.33	27.931	8.05	-95.0	1.0	2.8	5.9
11/20/04	12:30:40	26.07	55.472	6.67	98	55.33	27.933	8.05	-95.0	1.2	2.8	5.9
11/20/04	13:00:39	26.13	55.555	6.66	98	55.35	27.944	8.05	-95.0	8.4	2.8	6.1
11/20/04	13:30:39	26.21	55.653	6.67	98	55.42	27.992	8.05	-94.8	21.2	2.9	6.0
11/20/04	14:00:39	26.27	55.743	6.79	98	55.29	27.903	8.05	-94.8	25.9	2.8	6.0
11/20/04	14:30:39	26.31	55.777	6.85	98	55.21	27.848	8.05	-94.8	30.3	2.8	6.0
11/20/04	15:00:40	26.36	55.889	7.15	99	55.35	27.943	8.05	-94.8	57.5	2.9	5.8
11/20/04	15:30:39	26.35	55.857	7.10	98	55.34	27.937	8.04	-94.7	98.3	2.9	5.8
11/20/04	16:00:39	26.44	55.958	7.26	98	55.22	27.854	8.05	-94.8	127.2	2.8	5.7
11/20/04	16:30:39	26.44	56.006	7.43	98	55.30	27.911	8.05	-94.8	159.6	2.8	5.7
11/20/04	17:00:39	26.44	56.009	7.34	98	55.15	27.805	8.05	-94.8	106.2	2.8	5.9
11/20/04	17:30:40	26.43	56.007	7.30	98	55.15	27.803	8.05	-94.8	122.1	2.8	5.7
11/20/04	18:00:39	26.43	56.004	7.40	97	55.21	27.846	8.05	-94.8	91.0	2.7	5.8
11/20/04	18:30:39	26.40	55.986	7.29	97	55.09	27.764	8.05	-94.8	89.8	2.8	5.8
11/20/04	19:00:39	26.41	55.994	7.29	97	55.17	27.819	8.05	-94.8	87.0	2.8	5.9
11/20/04	19:30:39	26.41	56.030	7.26	97	55.02	27.713	8.04	-94.5	91.1	2.9	5.8
11/20/04	20:00:40	26.44	56.041	7.30	96	55.19	27.834	8.04	-94.7	95.8	2.8	5.7
11/20/04	20:30:39	26.45	56.031	7.32	97	55.02	27.712	8.05	-94.8	89.5	2.9	6.0
11/20/04	21:00:39	26.48	56.045	7.22	96	55.03	27.723	8.04	-94.6	105.7	2.9	5.9
11/20/04	21:30:39	26.50	56.054	7.14	95	55.05	27.737	8.04	-94.5	68.0	2.8	5.9
11/20/04	22:00:39	26.50	56.027	7.20	95	55.11	27.777	8.04	-94.7	41.0	2.8	5.8
11/20/04	22:30:40	26.52	56.031	7.17	96	55.05	27.735	8.05	-94.8	20.9	2.8	5.7
11/20/04	23:00:39	26.47	55.979	7.23	96	55.08	27.755	8.05	-95.0	5.7	2.9	5.7
11/20/04	23:30:39	26.55	56.075	7.01	95	55.05	27.734	8.05	-95.3	1.4	2.8	5.6
11/21/04	00:00:39	26.55	56.077	6.91	95	55.15	27.801	8.05	-95.3	1.1	2.9	5.7
11/21/04	00:30:39	26.52	56.053	6.90	95	55.24	27.867	8.05	-95.3	1.1	2.9	5.6
11/21/04	01:00:40	26.52	56.061	6.81	95	55.17	27.814	8.05	-95.3	1.1	2.8	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank
November 19, 2004 - February 23, 2005

Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/21/04	01:30:39	26.51	56.059	6.77	95	55.08	27.759	8.05	-95.2	1.0	2.8	5.7
11/21/04	02:00:39	26.47	56.045	6.62	95	55.30	27.905	8.05	-94.8	1.1	2.8	5.9
11/21/04	02:30:39	26.42	56.003	6.40	95	55.28	27.896	8.03	-93.9	1.1	3.0	6.0
11/21/04	03:00:39	26.42	55.998	6.26	94	55.41	27.986	8.02	-93.4	1.1	2.9	5.9
11/21/04	03:30:40	26.41	55.994	6.17	95	55.35	27.939	8.02	-93.3	1.1	2.8	6.1
11/21/04	04:00:39	26.41	55.992	6.16	95	55.44	28.003	8.02	-93.1	1.0	2.8	6.1
11/21/04	04:30:39	26.39	55.962	6.16	95	55.37	27.958	8.02	-93.2	1.1	2.9	5.9
11/21/04	05:00:39	26.36	55.894	6.31	95	55.50	28.043	8.03	-93.8	1.1	2.8	6.1
11/21/04	05:30:39	26.38	56.018	6.17	94	55.47	28.021	8.01	-93.0	1.1	2.8	5.9
11/21/04	06:00:39	26.40	56.066	6.08	93	55.36	27.945	8.01	-92.8	1.1	2.8	6.2
11/21/04	06:30:39	26.43	56.076	6.06	94	55.35	27.942	8.01	-92.9	1.0	2.9	6.0
11/21/04	07:00:39	26.42	56.075	6.38	94	55.33	27.925	8.03	-93.9	1.1	2.9	5.9
11/21/04	07:30:39	26.44	56.072	6.56	94	55.45	28.008	8.04	-94.4	1.1	2.9	5.9
11/21/04	08:00:39	26.44	56.082	6.43	94	55.38	27.961	8.03	-94.1	1.0	2.9	6.0
11/21/04	08:30:39	26.45	56.071	6.48	94	55.36	27.947	8.04	-94.4	1.0	2.9	5.9
11/21/04	09:00:39	26.45	56.064	6.56	95	55.22	27.855	8.04	-94.5	1.1	2.8	5.7
11/21/04	09:30:39	26.46	56.064	6.36	94	55.31	27.914	8.03	-93.9	1.1	2.9	6.0
11/21/04	10:00:39	26.48	56.040	6.28	94	55.18	27.826	8.03	-93.7	1.1	2.9	5.8
11/21/04	10:30:39	26.45	55.977	6.36	93	55.32	27.921	8.03	-93.9	1.0	2.8	5.8
11/21/04	11:00:39	26.41	55.866	6.65	94	55.27	27.892	8.05	-94.7	1.0	2.9	5.7
11/21/04	11:30:39	26.48	55.912	6.68	95	55.18	27.826	8.05	-94.9	1.1	2.8	5.8
11/21/04	12:00:39	26.53	55.944	6.67	94	55.07	27.752	8.05	-94.9	1.1	2.9	5.7
11/21/04	12:30:39	26.58	55.961	6.68	94	55.26	27.884	8.05	-95.0	1.2	2.8	5.9
11/21/04	13:00:39	26.59	55.958	6.67	94	55.49	28.039	8.05	-94.8	5.2	2.8	5.7
11/21/04	13:30:39	26.58	55.942	6.72	94	55.23	27.859	8.04	-94.7	15.7	2.9	5.7
11/21/04	14:00:39	26.58	55.934	6.82	94	55.18	27.826	8.04	-94.6	26.8	2.8	5.7
11/21/04	14:30:39	26.59	55.939	6.90	95	55.34	27.940	8.04	-94.5	28.7	2.8	5.6
11/21/04	15:00:39	26.59	55.944	7.01	93	55.36	27.950	8.04	-94.5	45.8	2.8	5.8
11/21/04	15:30:40	26.59	55.929	7.10	94	55.25	27.873	8.04	-94.5	86.1	2.8	5.7
11/21/04	16:00:39	26.60	55.928	7.18	94	55.41	27.984	8.04	-94.6	102.2	2.9	5.7
11/21/04	16:30:39	26.60	55.936	7.31	94	55.41	27.984	8.04	-94.6	93.4	3.0	5.7
11/21/04	17:00:39	26.59	55.939	7.31	93	55.33	27.929	8.04	-94.5	86.0	2.9	5.7
11/21/04	17:30:39	26.56	55.926	7.31	93	55.15	27.809	8.04	-94.5	70.7	2.9	5.7
11/21/04	18:00:40	26.54	55.935	7.31	92	55.44	28.007	8.04	-94.4	70.2	2.9	5.6
11/21/04	18:30:39	26.54	55.944	7.29	93	55.31	27.914	8.04	-94.2	145.2	2.8	5.7
11/21/04	19:00:39	26.53	55.952	7.35	92	55.35	27.946	8.03	-94.2	136.9	2.8	5.7
11/21/04	19:30:39	26.52	55.962	7.38	92	55.40	27.978	8.03	-94.1	131.8	2.8	5.9
11/21/04	20:00:39	26.53	56.028	7.26	92	55.25	27.876	8.03	-93.8	64.2	2.8	5.7
11/21/04	20:30:40	26.54	56.027	7.28	92	55.24	27.864	8.03	-93.8	77.1	3.0	5.8
11/21/04	21:00:39	26.57	56.037	7.28	92	55.22	27.857	8.03	-94.0	42.3	3.0	5.9
11/21/04	21:30:39	26.58	56.031	7.20	91	55.31	27.917	8.03	-93.9	42.3	2.9	5.7
11/21/04	22:00:39	26.61	56.026	7.18	92	55.21	27.844	8.03	-94.1	33.0	3.0	5.8
11/21/04	22:30:39	26.62	56.020	7.11	92	55.13	27.790	8.04	-94.2	14.6	2.9	5.8
11/21/04	23:00:40	26.61	56.010	7.04	91	55.21	27.848	8.04	-94.4	6.2	2.8	5.7
11/21/04	23:30:39	26.57	56.049	6.89	92	55.21	27.847	8.03	-94.1	1.4	2.9	5.7
11/22/04	00:00:39	26.41	56.103	6.63	91	55.13	27.788	8.02	-93.2	1.1	2.8	5.9
11/22/04	00:30:39	26.36	56.096	6.25	91	55.05	27.731	8.00	-92.2	1.0	2.8	6.2
11/22/04	01:00:39	26.35	56.114	5.93	92	55.19	27.830	7.98	-91.3	1.1	2.9	6.4
11/22/04	01:30:40	26.34	56.116	5.84	91	55.22	27.850	7.98	-91.1	1.0	2.9	6.3
11/22/04	02:00:39	26.35	56.098	6.21	91	55.20	27.839	8.01	-92.5	1.1	2.9	6.4
11/22/04	02:30:39	26.34	56.072	6.45	92	55.28	27.892	8.02	-93.4	1.2	2.9	5.9
11/22/04	03:00:39	26.35	56.057	6.59	92	55.35	27.938	8.03	-93.9	1.2	3.0	5.9
11/22/04	03:30:39	26.36	56.054	6.62	92	55.35	27.938	8.03	-94.1	1.1	2.8	6.0
11/22/04	04:00:39	26.36	56.049	6.68	93	55.27	27.889	8.04	-94.3	1.1	2.8	5.9
11/22/04	04:30:39	26.37	56.051	6.77	92	55.29	27.898	8.04	-94.5	1.1	2.9	5.9
11/22/04	05:00:39	26.41	56.069	6.77	93	55.34	27.935	8.04	-94.6	1.1	2.8	5.7
11/22/04	05:30:39	26.44	56.083	6.79	93	55.31	27.917	8.05	-94.8	1.1	3.0	5.8
11/22/04	06:00:39	26.44	56.093	6.75	92	55.23	27.856	8.04	-94.7	1.0	2.8	5.7
11/22/04	06:30:39	26.47	56.101	6.78	92	55.31	27.911	8.04	-94.7	1.1	2.9	5.9
11/22/04	07:00:39	26.50	56.106	6.80	93	55.29	27.900	8.05	-94.9	1.2	2.8	5.8
11/22/04	07:30:39	26.54	56.127	6.86	92	55.19	27.834	8.05	-94.9	1.1	2.9	5.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/22/04	08:00:39	26.55	56.137	6.81	93	55.21	27.848	8.05	-95.0	1.2	2.9	5.7
11/22/04	08:30:39	26.55	56.137	6.80	92	55.16	27.812	8.05	-95.0	1.0	2.8	5.8
11/22/04	09:00:39	26.55	56.138	6.82	93	55.18	27.822	8.05	-94.9	1.0	2.7	5.7
11/22/04	09:30:39	26.55	56.134	6.80	92	55.10	27.767	8.05	-94.8	1.2	2.8	5.6
11/22/04	10:00:39	26.55	56.135	6.81	92	55.13	27.787	8.05	-94.8	1.1	2.9	5.7
11/22/04	10:30:39	26.55	56.142	6.79	93	55.22	27.853	8.04	-94.7	1.0	2.8	5.7
11/22/04	11:00:40	26.55	56.138	6.77	92	55.14	27.799	8.04	-94.7	1.0	2.8	5.6
11/22/04	11:30:39	26.55	56.141	6.78	93	55.13	27.793	8.04	-94.7	1.0	2.8	5.7
11/22/04	12:00:39	26.55	56.143	6.79	92	55.22	27.850	8.04	-94.7	1.0	2.8	5.7
11/22/04	12:30:39	26.55	56.145	6.80	92	55.25	27.872	8.04	-94.8	1.1	2.8	5.9
11/22/04	13:00:39	26.55	56.144	6.82	93	55.05	27.737	8.04	-94.7	4.0	2.8	5.7
11/22/04	13:30:40	26.54	56.141	6.87	92	55.14	27.799	8.04	-94.5	12.4	2.9	5.7
11/22/04	14:00:39	26.54	56.137	6.99	92	55.22	27.849	8.04	-94.5	27.4	2.9	5.7
11/22/04	14:30:39	26.53	56.143	7.05	93	55.28	27.894	8.04	-94.4	40.1	2.8	5.7
11/22/04	15:00:39	26.53	56.135	7.16	92	55.31	27.912	8.04	-94.2	60.5	2.9	5.8
11/22/04	15:30:39	26.52	56.132	7.23	92	55.43	27.994	8.04	-94.2	81.9	2.8	5.8
11/22/04	16:00:40	26.51	56.127	7.35	93	55.42	27.989	8.03	-94.2	132.4	2.9	5.8
11/22/04	16:30:39	26.50	56.114	7.38	91	55.39	27.971	8.03	-94.1	131.9	2.9	5.7
11/22/04	17:00:39	26.48	56.107	7.43	92	55.50	28.046	8.03	-94.2	122.8	2.9	5.7
11/22/04	17:30:39	26.50	56.114	7.47	91	55.43	27.999	8.03	-94.1	137.1	2.8	5.7
11/22/04	18:00:39	26.52	56.133	7.49	91	55.42	27.987	8.03	-94.1	126.4	2.9	5.7
11/22/04	18:30:40	26.54	56.146	7.47	91	55.48	28.029	8.03	-94.0	202.7	2.8	5.7
11/22/04	19:00:39	26.55	56.153	7.50	91	55.50	28.045	8.03	-94.1	161.9	2.9	5.8
11/22/04	19:30:39	26.56	56.156	7.52	90	55.59	28.108	8.03	-94.1	108.0	2.9	5.6
11/22/04	20:00:39	26.55	56.160	7.50	91	55.53	28.064	8.03	-94.1	122.3	2.9	5.7
11/22/04	20:30:39	26.54	56.160	7.47	90	55.47	28.022	8.03	-94.0	107.2	2.9	5.7
11/22/04	21:00:40	26.54	56.160	7.46	90	55.46	28.013	8.03	-94.0	114.7	2.9	5.8
11/22/04	21:30:39	26.54	56.164	7.42	90	55.46	28.019	8.03	-94.1	58.4	2.9	5.7
11/22/04	22:00:39	26.54	56.170	7.37	90	55.40	27.977	8.03	-94.1	35.0	2.8	5.9
11/22/04	22:30:39	26.54	56.171	7.30	90	55.42	27.986	8.03	-94.1	21.6	2.8	5.8
11/22/04	23:00:39	26.55	56.201	7.18	90	55.41	27.984	8.03	-94.0	8.4	2.8	5.8
11/22/04	23:30:39	26.79	56.404	7.16	90	55.38	27.961	8.04	-94.2	1.4	2.9	5.8
11/23/04	00:00:39	26.82	56.438	7.06	90	55.35	27.938	8.04	-94.2	1.1	2.9	5.8
11/23/04	00:30:39	26.84	56.462	7.02	91	55.36	27.946	8.03	-94.2	1.0	2.8	5.8
11/23/04	01:00:39	26.85	56.474	7.01	90	55.39	27.968	8.04	-94.2	1.2	2.9	5.7
11/23/04	01:30:39	26.85	56.479	6.99	91	55.31	27.914	8.04	-94.3	1.1	2.8	5.8
11/23/04	02:00:39	26.85	56.484	6.96	91	55.40	27.971	8.04	-94.3	1.1	2.9	5.7
11/23/04	02:30:39	26.86	56.487	6.92	91	55.35	27.940	8.03	-94.2	1.0	2.9	5.7
11/23/04	03:00:39	26.87	56.495	6.90	91	55.30	27.902	8.03	-94.2	1.1	2.9	5.7
11/23/04	03:30:39	26.88	56.497	6.87	91	55.30	27.902	8.03	-94.2	1.2	2.8	5.7
11/23/04	04:00:39	26.88	56.497	6.85	91	55.32	27.917	8.03	-94.2	1.2	3.1	5.6
11/23/04	04:30:39	26.88	56.498	6.86	90	55.41	27.980	8.03	-94.2	1.2	2.9	5.8
11/23/04	05:00:39	26.88	56.495	6.86	91	55.35	27.940	8.03	-94.2	1.1	2.9	5.6
11/23/04	05:30:39	26.87	56.494	6.87	90	55.29	27.896	8.03	-94.2	1.1	2.7	5.7
11/23/04	06:00:39	26.87	56.498	6.86	91	55.37	27.951	8.03	-94.2	1.1	2.9	5.6
11/23/04	06:30:40	26.86	56.499	6.91	90	55.33	27.927	8.04	-94.4	1.2	2.8	5.7
11/23/04	07:00:39	26.85	56.504	6.89	91	55.21	27.840	8.03	-94.2	1.1	2.9	5.7
11/23/04	07:30:39	26.85	56.507	6.89	91	55.16	27.805	8.04	-94.3	1.2	2.9	5.7
11/23/04	08:00:39	26.85	56.504	6.88	91	55.12	27.780	8.03	-94.2	1.1	2.9	5.7
11/23/04	08:30:39	26.85	56.503	6.82	91	55.15	27.803	8.03	-94.2	1.1	2.9	5.8
11/23/04	09:00:40	26.85	56.511	6.83	91	55.07	27.744	8.03	-94.1	1.1	2.8	5.7
11/23/04	09:30:39	26.85	56.508	6.90	90	55.12	27.779	8.04	-94.4	1.1	2.9	5.6
11/23/04	10:00:39	26.85	56.510	6.89	90	54.99	27.691	8.03	-94.2	1.1	2.8	5.6
11/23/04	10:30:39	26.84	56.512	6.79	91	54.95	27.664	8.03	-94.1	1.2	2.9	5.7
11/23/04	11:00:39	26.84	56.512	6.92	91	55.02	27.710	8.04	-94.4	1.1	2.9	5.7
11/23/04	11:30:40	26.84	56.515	6.92	91	55.05	27.731	8.04	-94.4	1.1	2.9	5.6
11/23/04	12:00:39	26.85	56.521	6.89	90	54.99	27.691	8.04	-94.4	1.0	2.8	5.7
11/23/04	12:30:39	26.85	56.528	6.93	91	55.02	27.709	8.04	-94.4	1.3	2.9	5.6
11/23/04	13:00:39	26.85	56.537	6.89	91	55.02	27.710	8.03	-94.2	10.7	2.9	5.6
11/23/04	13:30:39	26.85	56.553	7.08	91	55.00	27.700	8.03	-94.1	32.0	2.9	5.6
11/23/04	14:00:40	26.86	56.556	7.17	90	55.14	27.790	8.03	-93.8	62.0	2.9	5.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/23/04	14:30:39	26.86	56.565	7.26	91	55.07	27.746	8.02	-93.7	91.2	2.9	5.7
11/23/04	15:00:39	26.86	56.565	7.37	90	55.20	27.837	8.02	-93.6	118.6	2.8	5.6
11/23/04	15:30:39	26.86	56.561	7.42	90	55.14	27.791	8.02	-93.6	141.7	2.8	5.7
11/23/04	16:00:39	26.86	56.562	7.44	90	55.41	27.979	8.02	-93.6	158.3	2.8	5.6
11/23/04	16:30:40	26.86	56.564	7.49	88	55.54	28.070	8.02	-93.5	187.2	2.9	5.5
11/23/04	17:00:39	26.86	56.565	7.47	90	55.34	27.932	8.02	-93.4	204.3	2.9	5.7
11/23/04	17:30:39	26.87	56.575	7.49	88	55.55	28.078	8.02	-93.4	242.7	2.9	5.7
11/23/04	18:00:39	26.84	56.561	7.50	88	55.60	28.108	8.02	-93.3	276.3	2.9	5.6
11/23/04	18:30:39	26.83	56.529	7.50	88	55.29	27.897	8.02	-93.4	221.5	2.9	5.7
11/23/04	19:00:39	26.82	56.503	7.53	88	55.47	28.019	8.02	-93.6	184.1	2.8	5.8
11/23/04	19:30:39	26.77	56.447	7.48	88	55.54	28.067	8.02	-93.6	111.7	2.9	5.7
11/23/04	20:00:39	26.75	56.417	7.49	87	55.31	27.913	8.02	-93.5	164.0	2.9	5.7
11/23/04	20:30:39	26.69	56.364	7.56	88	55.54	28.069	8.02	-93.6	97.6	2.9	5.6
11/23/04	21:00:39	26.66	56.323	7.59	88	55.49	28.035	8.02	-93.7	64.2	2.9	5.7
11/23/04	21:30:39	26.67	56.344	7.48	88	55.57	28.088	8.03	-93.8	67.6	2.8	5.7
11/23/04	22:00:39	26.68	56.345	7.46	88	55.33	27.929	8.03	-93.7	31.7	2.9	5.6
11/23/04	22:30:39	26.67	56.333	7.38	88	55.72	28.195	8.03	-93.8	27.0	2.9	5.8
11/23/04	23:00:39	26.66	56.321	7.28	88	55.48	28.030	8.03	-93.8	7.2	2.9	5.7
11/23/04	23:30:39	26.66	56.329	7.19	88	55.36	27.949	8.03	-93.9	1.5	3.0	5.7
11/24/04	00:00:39	26.66	56.320	7.12	88	55.22	27.851	8.03	-94.1	1.2	2.9	5.7
11/24/04	00:30:39	26.65	56.289	7.09	88	55.42	27.991	8.03	-94.2	1.1	3.0	5.7
11/24/04	01:00:39	26.63	56.267	7.07	88	55.57	28.091	8.04	-94.3	1.1	2.8	5.7
11/24/04	01:30:39	26.62	56.241	7.03	88	55.38	27.958	8.04	-94.2	1.1	3.0	5.6
11/24/04	02:00:40	26.61	56.217	7.04	88	55.41	27.985	8.04	-94.3	1.1	2.8	5.7
11/24/04	02:30:39	26.60	56.201	7.02	88	55.52	28.055	8.04	-94.3	1.2	2.9	5.9
11/24/04	03:00:39	26.60	56.188	6.99	88	55.38	27.962	8.04	-94.3	1.2	2.9	5.8
11/24/04	03:30:39	26.59	56.175	6.97	88	55.47	28.026	8.04	-94.4	1.1	2.8	5.7
11/24/04	04:00:39	26.59	56.172	7.00	88	55.43	27.994	8.04	-94.4	1.1	2.9	5.9
11/24/04	04:30:40	26.59	56.180	6.98	88	55.35	27.942	8.04	-94.4	1.2	3.0	5.8
11/24/04	05:00:39	26.60	56.200	6.98	88	55.28	27.889	8.04	-94.3	1.1	2.9	5.6
11/24/04	05:30:39	26.63	56.232	6.95	88	55.23	27.859	8.04	-94.4	1.2	3.0	5.7
11/24/04	06:00:39	26.63	56.250	6.99	88	55.18	27.824	8.04	-94.4	1.1	2.9	5.9
11/24/04	06:30:39	26.64	56.263	6.90	88	55.36	27.945	8.04	-94.2	1.1	2.8	5.8
11/24/04	07:00:40	26.65	56.286	6.92	88	55.18	27.821	8.03	-94.2	1.1	2.9	5.7
11/24/04	07:30:39	26.68	56.318	6.91	88	55.22	27.848	8.03	-94.2	1.1	2.9	5.7
11/24/04	08:00:39	26.71	56.356	6.90	88	55.50	28.040	8.03	-94.2	1.0	2.8	5.7
11/24/04	08:30:39	26.72	56.370	6.90	88	55.10	27.765	8.03	-94.2	1.2	2.9	5.7
11/24/04	09:00:39	26.70	56.346	6.92	88	54.79	27.555	8.04	-94.3	1.1	2.8	5.8
11/24/04	09:30:40	26.62	56.263	6.94	88	55.01	27.709	8.03	-94.2	1.1	2.9	5.7
11/24/04	10:00:39	26.57	56.229	7.01	88	54.79	27.552	8.04	-94.4	1.1	2.9	5.6
11/24/04	10:30:39	26.57	56.241	6.98	88	55.15	27.799	8.04	-94.4	1.2	2.9	5.7
11/24/04	11:00:39	26.56	56.253	7.00	88	55.21	27.845	8.04	-94.4	1.1	2.9	5.7
11/24/04	11:30:39	26.56	56.265	7.01	88	55.34	27.932	8.04	-94.4	1.1	2.9	5.7
11/24/04	12:00:40	26.56	56.280	7.03	88	54.93	27.650	8.04	-94.5	1.2	2.9	5.7
11/24/04	12:30:39	26.56	56.293	7.00	88	54.86	27.600	8.04	-94.5	1.3	2.9	5.7
11/24/04	13:00:39	26.57	56.301	6.99	88	54.85	27.592	8.04	-94.2	8.6	2.9	5.7
11/24/04	13:30:39	26.58	56.323	7.12	88	54.86	27.602	8.03	-94.1	27.7	2.8	5.7
11/24/04	14:00:39	26.58	56.336	7.22	88	55.00	27.701	8.03	-93.8	49.1	2.9	5.7
11/24/04	14:30:39	26.57	56.345	7.31	88	55.02	27.708	8.03	-93.8	79.0	2.8	5.7
11/24/04	15:00:39	26.56	56.344	7.40	88	55.20	27.836	8.03	-93.7	120.7	3.0	5.7
11/24/04	15:30:39	26.57	56.344	7.48	88	55.15	27.798	8.02	-93.6	144.9	2.8	5.8
11/24/04	16:00:39	26.58	56.350	7.53	88	55.14	27.797	8.02	-93.6	171.0	2.9	5.7
11/24/04	16:30:39	26.58	56.356	7.58	88	55.91	28.320	8.02	-93.6	213.3	2.9	5.7
11/24/04	17:00:39	26.59	56.354	7.58	88	55.39	27.964	8.02	-93.6	236.0	2.9	5.7
11/24/04	17:30:39	26.60	56.358	7.59	88	55.43	27.992	8.02	-93.5	267.3	2.8	5.7
11/24/04	18:00:39	26.60	56.361	7.60	87	54.96	27.673	8.02	-93.6	184.0	2.9	5.7
11/24/04	18:30:39	26.60	56.359	7.60	87	55.34	27.929	8.02	-93.5	121.0	2.9	5.7
11/24/04	19:00:39	26.59	56.356	7.58	86	55.49	28.038	8.02	-93.6	85.0	2.9	5.7
11/24/04	19:30:39	26.61	56.370	7.56	87	55.50	28.044	8.02	-93.5	70.8	2.9	5.7
11/24/04	20:00:39	26.60	56.367	7.58	86	55.42	27.985	8.02	-93.6	88.0	2.9	5.9
11/24/04	20:30:39	26.62	56.394	7.54	86	55.41	27.979	8.02	-93.5	66.7	2.9	5.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/24/04	21:00:39	26.61	56.398	7.52	87	55.62	28.123	8.03	-93.7	47.5	2.9	5.8
11/24/04	21:30:40	26.62	56.398	7.48	86	55.75	28.216	8.02	-93.6	29.3	2.9	5.6
11/24/04	22:00:39	26.62	56.398	7.41	87	55.62	28.124	8.03	-93.8	33.6	2.9	5.7
11/24/04	22:30:39	26.59	56.396	7.37	86	55.38	27.960	8.03	-93.8	13.4	2.9	5.7
11/24/04	23:00:39	26.58	56.390	7.34	87	55.33	27.926	8.03	-93.9	5.9	2.8	5.7
11/24/04	23:30:39	26.58	56.387	7.21	87	55.44	28.001	8.03	-94.1	1.4	2.9	5.7
11/25/04	00:00:40	26.58	56.380	7.16	86	55.52	28.057	8.03	-94.2	1.2	2.9	5.7
11/25/04	00:30:39	26.57	56.374	7.11	87	55.56	28.080	8.03	-94.2	1.1	2.9	5.7
11/25/04	01:00:39	26.57	56.364	7.09	87	55.48	28.027	8.03	-94.2	1.1	2.9	5.8
11/25/04	01:30:39	26.56	56.353	7.08	87	55.89	28.310	8.04	-94.3	1.2	2.8	5.6
11/25/04	02:00:39	26.55	56.344	7.06	87	55.54	28.065	8.04	-94.2	1.0	2.8	5.8
11/25/04	02:30:40	26.52	56.331	7.07	87	55.37	27.953	8.04	-94.4	1.1	2.9	5.7
11/25/04	03:00:39	26.50	56.319	7.07	87	55.15	27.798	8.04	-94.3	1.2	3.0	5.7
11/25/04	03:30:39	26.45	56.302	7.09	87	55.43	27.990	8.04	-94.4	1.1	2.9	5.6
11/25/04	04:00:39	26.42	56.281	7.10	88	55.58	28.095	8.04	-94.4	1.2	2.8	5.7
11/25/04	04:30:39	26.40	56.266	7.05	87	55.51	28.046	8.04	-94.4	1.1	2.9	5.9
11/25/04	05:00:40	26.34	56.232	7.05	87	55.43	27.991	8.04	-94.4	1.2	2.9	5.7
11/25/04	05:30:39	26.31	56.209	7.06	88	55.30	27.905	8.04	-94.3	1.2	3.0	5.7
11/25/04	06:00:39	26.28	56.192	7.03	87	55.44	27.999	8.04	-94.2	1.3	2.9	5.9
11/25/04	06:30:39	26.22	56.166	7.07	87	55.16	27.806	8.04	-94.2	1.1	2.9	5.7
11/25/04	07:00:39	26.19	56.154	7.04	87	55.34	27.930	8.04	-94.2	1.2	2.9	5.8
11/25/04	07:30:40	26.14	56.133	7.03	87	55.01	27.707	8.04	-94.2	1.2	2.9	5.8
11/25/04	08:00:39	26.12	56.124	7.03	88	55.02	27.710	8.04	-94.2	1.1	2.9	5.7
11/25/04	08:30:39	26.11	56.120	7.00	88	55.09	27.760	8.04	-94.2	1.1	2.8	5.7
11/25/04	09:00:39	26.11	56.114	6.99	87	54.88	27.617	8.04	-94.2	1.2	2.9	5.9
11/25/04	09:30:39	26.08	56.107	7.04	87	54.67	27.473	8.04	-94.3	1.1	2.8	5.9
11/25/04	10:00:39	26.08	56.107	7.05	88	54.86	27.600	8.04	-94.4	1.1	2.9	5.7
11/25/04	10:30:39	26.06	56.116	7.05	87	54.78	27.544	8.04	-94.4	1.0	2.8	5.7
11/25/04	11:00:39	26.05	56.113	7.07	87	54.78	27.546	8.04	-94.4	1.2	3.0	5.8
11/25/04	11:30:39	26.04	56.114	7.00	87	54.89	27.618	8.04	-94.1	1.2	2.9	5.7
11/25/04	12:00:39	26.02	56.112	6.99	87	54.70	27.491	8.04	-94.2	1.1	2.9	5.7
11/25/04	12:30:39	26.00	56.112	6.99	87	54.75	27.527	8.03	-94.1	1.2	3.0	5.7
11/25/04	13:00:39	25.95	56.107	6.99	87	54.66	27.464	8.03	-93.9	8.0	3.0	5.8
11/25/04	13:30:39	25.97	56.099	7.05	87	54.79	27.553	8.03	-93.7	25.1	2.9	5.9
11/25/04	14:00:39	25.99	56.083	7.12	87	54.72	27.504	8.02	-93.5	46.8	2.9	5.6
11/25/04	14:30:39	25.95	56.060	7.36	88	54.83	27.583	8.03	-93.7	71.4	2.8	5.7
11/25/04	15:00:39	25.89	56.024	7.47	87	54.80	27.561	8.03	-93.6	84.8	3.0	5.9
11/25/04	15:30:39	25.81	55.970	7.52	87	54.91	27.634	8.02	-93.4	111.4	3.0	5.9
11/25/04	16:00:39	25.76	55.908	7.58	86	54.92	27.645	8.02	-93.4	132.7	2.9	5.8
11/25/04	16:30:39	25.76	55.901	7.63	87	54.96	27.669	8.03	-93.6	152.3	2.9	5.8
11/25/04	17:00:40	25.77	55.899	7.67	86	55.10	27.764	8.03	-93.5	151.9	3.0	5.9
11/25/04	17:30:39	25.82	55.916	7.71	86	55.12	27.777	8.03	-93.5	183.6	2.9	5.9
11/25/04	18:00:39	25.85	55.928	7.69	86	55.14	27.793	8.03	-93.6	187.7	3.0	5.9
11/25/04	18:30:39	25.86	55.926	7.71	84	55.27	27.885	8.03	-93.6	201.9	3.0	5.7
11/25/04	19:00:39	25.88	55.947	7.76	84	55.30	27.903	8.03	-93.6	66.9	2.9	5.8
11/25/04	19:30:40	25.95	55.999	7.67	84	55.37	27.949	8.03	-93.6	161.5	3.0	5.8
11/25/04	20:00:39	26.05	56.084	7.71	84	55.37	27.951	8.03	-93.7	160.8	2.9	5.7
11/25/04	20:30:39	26.11	56.130	7.72	86	55.42	27.988	8.03	-93.8	142.1	3.0	5.6
11/25/04	21:00:39	26.15	56.151	7.68	84	55.50	28.039	8.03	-93.8	106.5	2.9	5.9
11/25/04	21:30:39	26.18	56.181	7.65	84	55.46	28.015	8.03	-93.6	82.2	3.0	5.7
11/25/04	22:00:40	26.18	56.194	7.61	84	55.50	28.040	8.03	-93.6	54.1	2.9	5.9
11/25/04	22:30:39	26.16	56.190	7.53	84	55.50	28.039	8.03	-93.6	19.9	2.9	5.9
11/25/04	23:00:39	26.15	56.189	7.41	84	55.50	28.041	8.03	-93.6	10.2	2.8	6.0
11/25/04	23:30:39	26.16	56.186	7.32	84	55.46	28.013	8.03	-93.9	1.4	2.9	6.0
11/26/04	00:00:39	26.16	56.174	7.22	86	55.48	28.023	8.03	-94.0	1.1	2.9	5.7
11/26/04	00:30:40	26.04	56.107	7.22	86	55.50	28.042	8.03	-93.9	1.2	2.9	5.7
11/26/04	01:00:39	25.98	56.071	7.15	84	55.48	28.026	8.03	-93.8	1.1	2.9	5.9
11/26/04	01:30:39	25.94	56.064	7.16	84	55.46	28.012	8.03	-93.9	1.2	2.9	5.8
11/26/04	02:00:39	25.87	56.010	7.14	86	55.45	28.006	8.03	-93.8	1.3	3.0	5.8
11/26/04	02:30:39	25.80	55.969	7.10	84	55.39	27.965	8.03	-93.9	1.0	2.9	5.7
11/26/04	03:00:40	25.78	55.953	7.10	86	55.40	27.972	8.03	-93.9	1.1	2.9	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/26/04	03:30:39	25.72	55.920	7.11	84	55.37	27.952	8.03	-93.8	1.2	2.9	5.9
11/26/04	04:00:39	25.69	55.906	7.10	84	55.30	27.901	8.03	-93.8	1.2	2.9	5.9
11/26/04	04:30:39	25.67	55.898	7.06	86	55.40	27.972	8.03	-93.8	1.2	2.8	5.9
11/26/04	05:00:39	25.66	55.901	7.07	86	55.33	27.921	8.03	-93.8	1.2	2.9	5.9
11/26/04	05:30:40	25.65	55.892	7.06	86	55.26	27.875	8.03	-93.9	1.2	2.9	5.8
11/26/04	06:00:39	25.63	55.898	7.10	84	55.28	27.886	8.03	-93.9	1.2	3.0	6.0
11/26/04	06:30:39	25.62	55.895	7.10	86	55.24	27.858	8.03	-94.0	1.1	2.9	5.9
11/26/04	07:00:39	25.60	55.894	7.11	86	55.17	27.814	8.03	-94.0	1.2	3.0	5.8
11/26/04	07:30:39	25.61	55.896	7.06	86	55.12	27.777	8.03	-93.8	1.2	2.9	5.9
11/26/04	08:00:40	25.61	55.895	7.08	86	55.07	27.744	8.03	-93.9	1.1	3.0	5.9
11/26/04	08:30:39	25.61	55.897	7.03	86	55.01	27.705	8.03	-93.9	1.2	2.9	5.7
11/26/04	09:00:39	25.60	55.893	6.97	84	55.00	27.693	8.03	-93.6	1.1	2.9	5.9
11/26/04	09:30:39	25.61	55.894	6.98	86	54.87	27.609	8.03	-93.6	1.2	3.0	5.8
11/26/04	10:00:39	25.60	55.890	7.03	86	54.84	27.587	8.03	-93.8	1.2	2.8	5.7
11/26/04	10:30:40	25.61	55.889	7.03	86	54.83	27.581	8.03	-93.8	1.2	2.9	6.0
11/26/04	11:00:39	25.60	55.897	7.04	86	54.71	27.495	8.03	-93.8	1.2	3.0	5.8
11/26/04	11:30:39	25.61	55.893	7.03	86	54.72	27.507	8.03	-93.7	1.3	2.9	5.9
11/26/04	12:00:39	25.60	55.907	7.10	86	54.62	27.435	8.03	-93.9	1.2	2.9	5.9
11/26/04	12:30:39	25.60	55.902	7.06	86	54.66	27.465	8.03	-93.8	1.3	2.9	5.8
11/26/04	13:00:40	25.59	55.898	7.09	86	54.66	27.459	8.03	-93.7	4.7	2.9	5.6
11/26/04	13:30:39	25.59	55.896	7.09	86	54.71	27.494	8.03	-93.4	18.5	3.0	5.7
11/26/04	14:00:39	25.60	55.902	7.21	86	54.69	27.480	8.02	-93.4	38.4	2.9	5.9
11/26/04	14:30:39	25.60	55.912	7.30	86	54.68	27.477	8.02	-93.4	35.9	2.9	5.9
11/26/04	15:00:39	25.60	55.912	7.35	86	54.75	27.521	8.02	-93.4	71.4	2.9	5.8
11/26/04	15:30:40	25.61	55.918	7.46	86	54.80	27.560	8.02	-93.4	56.0	2.9	6.2
11/26/04	16:00:39	25.61	55.927	7.51	84	54.89	27.620	8.02	-93.3	64.2	3.0	5.9
11/26/04	16:30:39	25.62	55.928	7.52	84	54.94	27.651	8.03	-93.5	77.2	2.9	5.8
11/26/04	17:00:39	25.63	55.919	7.57	86	54.97	27.676	8.03	-93.6	80.4	2.9	5.9
11/26/04	17:30:39	25.65	55.920	7.54	84	55.10	27.767	8.03	-93.5	49.0	2.9	5.8
11/26/04	18:00:39	25.68	55.917	7.54	86	55.15	27.799	8.03	-93.6	55.2	2.9	5.9
11/26/04	18:30:39	25.70	55.918	7.49	84	55.24	27.858	8.03	-93.7	34.2	2.9	5.8
11/26/04	19:00:39	25.72	55.925	7.47	84	55.31	27.909	8.03	-93.7	22.5	3.1	5.7
11/26/04	19:30:39	25.73	55.919	7.42	84	55.36	27.940	8.03	-93.7	13.4	2.9	5.7
11/26/04	20:00:39	25.74	55.910	7.37	84	55.43	27.990	8.03	-93.8	18.8	2.9	5.9
11/26/04	20:30:39	25.75	55.904	7.37	84	55.48	28.023	8.03	-93.8	14.4	2.9	5.9
11/26/04	21:00:39	25.75	55.899	7.32	84	55.54	28.066	8.03	-93.8	17.7	2.9	5.7
11/26/04	21:30:39	25.76	55.890	7.27	84	55.58	28.099	8.03	-93.8	11.9	3.0	5.9
11/26/04	22:00:39	25.75	55.887	7.27	84	55.59	28.101	8.03	-93.6	8.5	3.1	6.0
11/26/04	22:30:39	25.74	55.873	7.25	84	55.61	28.119	8.03	-93.8	3.8	2.9	5.8
11/26/04	23:00:39	25.73	55.864	7.21	84	55.62	28.123	8.03	-93.8	2.4	3.0	5.9
11/26/04	23:30:39	25.73	55.865	7.22	84	55.62	28.121	8.03	-93.9	1.2	2.9	6.0
11/27/04	00:00:39	25.73	55.861	7.19	84	55.71	28.184	8.03	-93.9	1.1	2.9	5.8
11/27/04	00:30:39	25.73	55.871	7.16	84	55.59	28.101	8.03	-94.0	1.3	3.0	5.8
11/27/04	01:00:39	25.73	55.892	7.14	84	55.65	28.146	8.03	-94.0	1.1	3.0	6.0
11/27/04	01:30:39	25.74	55.895	7.14	84	55.77	28.228	8.04	-94.1	1.1	2.9	5.8
11/27/04	02:00:39	25.73	55.893	7.15	84	55.54	28.064	8.03	-94.1	1.2	3.0	6.0
11/27/04	02:30:39	25.73	55.901	7.15	84	55.63	28.132	8.04	-94.1	1.2	3.0	5.8
11/27/04	03:00:39	25.73	55.901	7.13	84	55.62	28.124	8.04	-94.1	1.2	2.9	6.1
11/27/04	03:30:40	25.72	55.896	7.13	84	55.59	28.099	8.04	-94.1	1.3	2.9	6.0
11/27/04	04:00:39	25.71	55.892	7.14	84	55.50	28.043	8.04	-94.1	1.2	3.0	5.8
11/27/04	04:30:39	25.70	55.887	7.15	84	55.48	28.029	8.04	-94.1	1.2	3.0	5.9
11/27/04	05:00:39	25.70	55.887	7.14	86	55.15	27.800	8.04	-94.1	1.2	2.9	5.8
11/27/04	05:30:39	25.70	55.887	7.12	84	55.33	27.922	8.04	-94.1	1.3	2.9	5.7
11/27/04	06:00:40	25.69	55.888	7.15	84	55.58	28.095	8.04	-94.2	1.2	3.0	6.0
11/27/04	06:30:39	25.70	55.887	7.12	84	55.53	28.061	8.03	-94.0	1.2	2.9	5.9
11/27/04	07:00:39	25.68	55.876	7.13	84	55.25	27.871	8.03	-94.1	1.2	3.0	5.9
11/27/04	07:30:39	25.68	55.875	7.11	84	54.88	27.613	8.03	-94.0	1.3	2.9	5.8
11/27/04	08:00:39	25.67	55.872	7.10	84	54.73	27.511	8.03	-94.0	1.2	3.0	5.9
11/27/04	08:30:40	25.66	55.867	7.13	84	54.89	27.623	8.04	-94.1	1.3	3.0	5.9
11/27/04	09:00:39	25.65	55.869	7.10	84	55.02	27.708	8.04	-94.1	1.1	3.0	5.9
11/27/04	09:30:39	25.65	55.869	7.08	84	55.02	27.710	8.03	-93.9	1.1	3.0	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/27/04	10:00:39	25.64	55.874	7.07	84	54.99	27.692	8.03	-94.0	1.1	2.9	5.9
11/27/04	10:30:39	25.63	55.881	7.05	84	54.95	27.662	8.03	-93.9	1.2	2.9	5.9
11/27/04	11:00:40	25.63	55.885	7.06	84	55.33	27.925	8.03	-93.9	1.2	3.0	5.7
11/27/04	11:30:39	25.62	55.885	7.06	84	54.45	27.320	8.03	-93.8	1.2	2.9	5.9
11/27/04	12:00:39	25.61	55.891	7.06	84	54.93	27.648	8.03	-93.9	1.2	3.0	5.9
11/27/04	12:30:39	25.61	55.889	7.00	84	54.78	27.542	8.03	-93.8	1.3	3.0	5.9
11/27/04	13:00:39	25.60	55.892	7.04	84	54.59	27.417	8.03	-93.8	6.8	2.9	5.9
11/27/04	13:30:40	25.60	55.891	7.08	84	54.68	27.477	8.03	-93.5	17.6	3.0	5.9
11/27/04	14:00:39	25.60	55.891	7.20	84	54.79	27.552	8.02	-93.4	52.7	3.0	5.9
11/27/04	14:30:39	25.60	55.894	7.31	84	54.70	27.489	8.03	-93.5	45.4	2.9	5.9
11/27/04	15:00:39	25.61	55.893	7.27	84	54.81	27.564	8.02	-93.4	27.7	3.0	5.8
11/27/04	15:30:39	25.61	55.893	7.30	84	55.03	27.718	8.02	-93.1	120.9	3.0	5.9
11/27/04	16:00:39	25.60	55.881	7.49	84	54.46	27.325	8.02	-93.3	128.3	3.0	5.9
11/27/04	16:30:39	25.60	55.879	7.64	84	54.83	27.582	8.03	-93.6	132.5	3.0	5.7
11/27/04	17:00:39	25.59	55.883	7.72	84	54.63	27.443	8.03	-93.6	149.1	3.0	5.8
11/27/04	17:30:39	25.60	55.887	7.76	84	55.09	27.759	8.03	-93.6	184.8	3.0	6.0
11/27/04	18:00:39	25.60	55.882	7.78	84	54.81	27.568	8.03	-93.6	178.7	3.1	5.9
11/27/04	18:30:39	25.60	55.887	7.80	84	54.85	27.592	8.03	-93.6	181.5	3.0	5.7
11/27/04	19:00:39	25.60	55.890	7.81	83	54.87	27.604	8.03	-93.6	167.2	2.9	5.8
11/27/04	19:30:39	25.60	55.891	7.81	83	55.25	27.871	8.03	-93.6	157.4	3.0	5.9
11/27/04	20:00:39	25.59	55.890	7.82	83	55.14	27.795	8.03	-93.7	140.3	3.1	6.0
11/27/04	20:30:39	25.59	55.897	7.82	83	55.32	27.917	8.03	-93.6	112.3	3.0	5.9
11/27/04	21:00:39	25.59	55.897	7.79	81	55.41	27.977	8.03	-93.6	89.2	3.0	5.8
11/27/04	21:30:39	25.59	55.899	7.74	83	55.27	27.884	8.03	-93.6	62.4	2.9	6.0
11/27/04	22:00:39	25.60	55.895	7.65	83	55.56	28.077	8.03	-93.5	39.8	2.9	5.9
11/27/04	22:30:39	25.60	55.896	7.60	81	55.53	28.061	8.03	-93.7	20.2	2.8	5.9
11/27/04	23:00:40	25.60	55.895	7.46	83	55.57	28.085	8.03	-93.6	7.7	3.0	5.9
11/27/04	23:30:39	25.60	55.898	7.38	83	55.50	28.037	8.03	-93.8	1.5	3.0	6.0
11/28/04	00:00:39	25.60	55.904	7.35	81	55.44	27.999	8.03	-93.9	1.2	3.0	5.8
11/28/04	00:30:39	25.59	55.905	7.25	83	55.64	28.138	8.03	-93.9	1.2	2.9	5.9
11/28/04	01:00:39	25.59	55.906	7.24	83	55.44	27.998	8.03	-93.9	1.2	3.0	5.8
11/28/04	01:30:40	25.59	55.909	7.20	83	55.60	28.109	8.04	-94.1	1.1	2.9	5.9
11/28/04	02:00:39	25.58	55.916	7.21	83	55.56	28.077	8.04	-94.1	1.3	3.0	5.8
11/28/04	02:30:39	25.58	55.928	7.17	84	55.53	28.061	8.03	-93.9	1.1	2.9	5.7
11/28/04	03:00:39	25.57	55.925	7.14	83	55.51	28.042	8.03	-93.9	1.2	2.9	5.9
11/28/04	03:30:39	25.57	55.928	7.14	84	55.53	28.061	8.04	-94.1	1.1	2.9	5.8
11/28/04	04:00:40	25.56	55.929	7.12	84	55.46	28.007	8.03	-94.0	1.2	2.9	6.0
11/28/04	04:30:39	25.56	55.930	7.10	84	55.50	28.038	8.03	-93.9	1.2	3.0	6.0
11/28/04	05:00:39	25.55	55.929	7.11	84	55.41	27.979	8.03	-93.9	1.2	3.0	5.9
11/28/04	05:30:39	25.55	55.928	7.12	83	55.46	28.013	8.03	-93.9	1.3	2.9	6.7
11/28/04	06:00:39	25.56	55.942	7.10	84	55.34	27.930	8.03	-94.0	1.2	2.9	5.9
11/28/04	06:30:40	25.57	55.948	7.08	83	55.29	27.891	8.03	-93.9	1.3	3.0	5.9
11/28/04	07:00:39	25.59	55.961	7.12	84	55.33	27.924	8.04	-94.1	1.3	3.1	5.8
11/28/04	07:30:39	25.60	55.967	7.08	84	55.24	27.857	8.04	-94.1	1.3	3.1	5.9
11/28/04	08:00:39	25.60	55.967	7.08	83	55.20	27.830	8.04	-94.1	1.1	2.8	5.7
11/28/04	08:30:39	25.60	55.969	7.07	83	55.11	27.771	8.04	-94.1	1.2	2.9	5.9
11/28/04	09:00:40	25.59	55.963	7.16	84	55.03	27.714	8.04	-94.2	1.3	3.0	5.8
11/28/04	09:30:39	25.59	55.962	7.11	84	55.01	27.701	8.04	-94.1	1.2	3.0	5.9
11/28/04	10:00:39	25.59	55.962	7.12	83	54.93	27.647	8.04	-94.1	1.2	3.0	5.9
11/28/04	10:30:39	25.58	55.960	7.06	83	54.92	27.638	8.04	-94.1	1.2	3.0	5.7
11/28/04	11:00:39	25.57	55.958	7.11	83	54.82	27.574	8.04	-94.1	1.2	2.9	5.9
11/28/04	11:30:39	25.55	55.947	7.12	84	54.79	27.553	8.04	-94.2	1.2	3.0	5.8
11/28/04	12:00:39	25.55	55.948	7.13	83	54.66	27.464	8.04	-94.3	1.3	3.0	5.9
11/28/04	12:30:39	25.55	55.950	7.07	83	54.63	27.443	8.04	-94.1	1.3	3.0	5.9
11/28/04	13:00:39	25.55	55.955	7.05	84	54.59	27.411	8.03	-93.9	5.4	2.9	5.9
11/28/04	13:30:39	25.55	55.950	7.05	84	54.58	27.408	8.03	-93.6	20.4	2.8	5.9
11/28/04	14:00:39	25.55	55.951	7.18	84	54.51	27.361	8.03	-93.6	37.9	3.0	6.0
11/28/04	14:30:39	25.55	55.950	7.31	84	54.56	27.392	8.03	-93.5	59.9	3.0	5.7
11/28/04	15:00:39	25.55	55.945	7.44	83	54.58	27.405	8.03	-93.6	90.5	2.9	6.0
11/28/04	15:30:39	25.56	55.942	7.53	83	54.63	27.438	8.03	-93.6	92.8	3.0	5.9
11/28/04	16:00:39	25.55	55.944	7.59	83	54.64	27.446	8.03	-93.6	126.7	3.0	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/28/04	16:30:39	25.54	55.938	7.66	83	54.64	27.447	8.03	-93.7	140.8	3.0	5.9
11/28/04	17:00:39	25.55	55.932	7.71	83	54.67	27.469	8.03	-93.6	151.6	3.0	5.9
11/28/04	17:30:39	25.54	55.940	7.73	83	54.76	27.532	8.03	-93.6	163.4	3.0	5.9
11/28/04	18:00:39	25.55	55.936	7.78	83	54.79	27.548	8.03	-93.7	173.7	3.0	5.8
11/28/04	18:30:40	25.55	55.935	7.78	81	54.93	27.646	8.03	-93.7	162.5	3.0	5.8
11/28/04	19:00:39	25.55	55.936	7.74	81	54.98	27.679	8.03	-93.6	163.8	3.0	5.8
11/28/04	19:30:39	25.54	55.937	7.76	81	55.01	27.702	8.03	-93.5	127.5	2.9	5.9
11/28/04	20:00:39	25.54	55.940	7.73	81	55.15	27.797	8.03	-93.6	40.9	2.9	5.8
11/28/04	20:30:39	25.54	55.939	7.72	81	55.21	27.838	8.03	-93.5	63.7	2.9	5.9
11/28/04	21:00:40	25.54	55.943	7.69	81	55.25	27.867	8.03	-93.6	83.4	2.9	5.8
11/28/04	21:30:39	25.54	55.943	7.67	80	55.35	27.934	8.03	-93.5	71.5	3.0	5.9
11/28/04	22:00:39	25.54	55.944	7.58	80	55.38	27.959	8.03	-93.5	41.9	3.0	5.9
11/28/04	22:30:39	25.54	55.942	7.52	81	55.43	27.991	8.03	-93.6	22.6	3.0	5.9
11/28/04	23:00:39	25.53	55.948	7.41	81	55.51	28.047	8.03	-93.6	7.5	2.9	5.9
11/28/04	23:30:40	25.53	55.929	7.35	81	55.51	28.045	8.03	-93.8	1.6	3.1	5.9
11/29/04	00:00:39	25.53	55.930	7.32	80	55.57	28.084	8.03	-93.9	1.3	2.9	5.9
11/29/04	00:30:39	25.53	55.924	7.27	81	55.60	28.106	8.04	-94.1	1.2	2.9	5.9
11/29/04	01:00:39	25.53	55.936	7.21	81	55.58	28.091	8.03	-93.9	1.2	2.9	5.9
11/29/04	01:30:39	25.51	55.922	7.25	81	55.58	28.090	8.04	-94.1	1.3	3.0	5.9
11/29/04	02:00:40	25.51	55.918	7.23	81	55.57	28.084	8.04	-94.1	1.3	2.9	5.8
11/29/04	02:30:39	25.49	55.915	7.21	81	55.53	28.059	8.04	-94.1	1.2	3.0	5.9
11/29/04	03:00:39	25.48	55.918	7.20	81	55.55	28.070	8.04	-94.1	1.1	3.0	5.9
11/29/04	03:30:39	25.48	55.916	7.19	83	55.54	28.062	8.04	-94.1	1.2	3.0	6.0
11/29/04	04:00:39	25.49	55.921	7.14	83	55.49	28.030	8.04	-94.1	1.2	2.9	5.9
11/29/04	04:30:40	25.51	55.918	7.17	83	55.46	28.013	8.04	-94.1	1.2	2.9	6.0
11/29/04	05:00:39	25.51	55.919	7.21	83	55.46	28.014	8.04	-94.2	1.2	3.0	5.9
11/29/04	05:30:39	25.51	55.914	7.13	83	55.44	27.998	8.04	-94.1	1.1	2.9	5.8
11/29/04	06:00:39	25.51	55.912	7.14	81	55.35	27.933	8.04	-94.1	1.2	3.0	5.9
11/29/04	06:30:39	25.50	55.910	7.13	83	55.38	27.954	8.04	-94.1	1.1	3.0	5.9
11/29/04	07:00:39	25.49	55.904	7.13	81	55.37	27.951	8.04	-94.1	1.1	2.9	5.8
11/29/04	07:30:39	25.49	55.898	7.17	83	55.34	27.927	8.04	-94.2	1.2	2.9	5.9
11/29/04	08:00:39	25.49	55.895	7.12	81	55.24	27.860	8.04	-94.1	1.2	3.1	6.0
11/29/04	08:30:39	25.49	55.896	7.16	83	55.12	27.779	8.04	-94.2	1.2	3.0	5.9
11/29/04	09:00:39	25.49	55.892	7.11	81	55.08	27.750	8.04	-94.1	1.2	2.9	5.9
11/29/04	09:30:39	25.49	55.896	7.11	83	55.10	27.763	8.04	-94.2	1.1	2.9	5.9
11/29/04	10:00:39	25.49	55.898	7.11	81	55.07	27.740	8.04	-94.2	1.1	2.9	5.8
11/29/04	10:30:39	25.48	55.898	7.12	81	54.96	27.666	8.04	-94.1	1.2	3.0	5.9
11/29/04	11:00:39	25.48	55.895	7.07	81	54.88	27.612	8.04	-94.1	1.2	3.0	5.8
11/29/04	11:30:39	25.48	55.893	7.11	83	54.82	27.569	8.04	-94.2	1.2	3.0	5.9
11/29/04	12:00:39	25.48	55.894	7.12	81	54.82	27.569	8.04	-94.1	1.2	3.0	5.8
11/29/04	12:30:39	25.47	55.895	7.13	83	54.68	27.475	8.04	-94.2	1.2	2.9	5.9
11/29/04	13:00:39	25.47	55.894	7.13	83	54.64	27.448	8.04	-94.1	5.6	3.0	5.9
11/29/04	13:30:39	25.47	55.892	7.17	83	54.60	27.419	8.03	-93.9	12.5	3.0	5.9
11/29/04	14:00:40	25.47	55.892	7.26	83	54.59	27.416	8.03	-93.8	26.4	3.0	5.9
11/29/04	14:30:39	25.47	55.896	7.32	81	54.65	27.451	8.03	-93.7	31.6	2.9	6.1
11/29/04	15:00:39	25.47	55.892	7.40	81	54.49	27.346	8.03	-93.8	45.6	3.0	5.9
11/29/04	15:30:39	25.48	55.893	7.48	83	54.45	27.319	8.03	-93.8	53.5	3.0	6.1
11/29/04	16:00:39	25.47	55.897	7.47	83	54.57	27.400	8.03	-93.6	70.0	2.9	5.9
11/29/04	16:30:40	25.47	55.897	7.59	83	54.56	27.392	8.03	-93.6	49.4	2.9	5.8
11/29/04	17:00:39	25.47	55.899	7.62	83	54.71	27.494	8.03	-93.5	72.6	2.9	5.9
11/29/04	17:30:39	25.48	55.893	7.68	83	54.81	27.566	8.03	-93.6	95.9	3.0	5.9
11/29/04	18:00:39	25.47	55.894	7.68	81	54.67	27.466	8.03	-93.6	73.1	3.0	5.9
11/29/04	18:30:39	25.47	55.897	7.62	81	54.82	27.570	8.03	-93.6	83.1	2.9	6.6
11/29/04	19:00:40	25.47	55.893	7.66	81	54.81	27.564	8.03	-93.6	154.0	3.1	5.9
11/29/04	19:30:39	25.47	55.894	7.73	80	54.82	27.568	8.03	-93.7	140.2	3.0	6.0
11/29/04	20:00:39	25.47	55.892	7.76	80	54.94	27.653	8.03	-93.6	121.8	2.9	5.8
11/29/04	20:30:39	25.47	55.894	7.76	80	55.12	27.777	8.03	-93.6	31.3	2.9	5.9
11/29/04	21:00:39	25.47	55.894	7.70	80	55.17	27.810	8.03	-93.7	75.4	2.8	5.9
11/29/04	21:30:40	25.46	55.893	7.65	80	55.34	27.927	8.03	-93.6	31.2	3.0	5.9
11/29/04	22:00:39	25.47	55.893	7.61	80	55.33	27.921	8.03	-93.6	37.5	2.9	5.9
11/29/04	22:30:39	25.46	55.892	7.50	80	55.25	27.870	8.03	-93.6	14.4	2.9	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
11/29/04	23:00:39	25.46	55.892	7.40	80	55.37	27.948	8.03	-93.8	4.8	3.0	5.9
11/29/04	23:30:39	25.46	55.896	7.30	80	55.40	27.966	8.03	-93.8	1.4	3.0	5.7
11/30/04	00:00:40	25.46	55.893	7.22	80	55.41	27.977	8.03	-93.8	1.3	2.9	5.9
11/30/04	00:30:39	25.45	55.896	7.17	80	55.40	27.970	8.03	-93.8	1.2	3.0	6.0
11/30/04	01:00:39	25.45	55.897	7.15	80	55.50	28.036	8.03	-93.9	1.1	3.0	5.9
11/30/04	01:30:39	25.45	55.895	7.13	80	55.49	28.031	8.03	-93.9	1.3	2.9	5.8
11/30/04	02:00:39	25.45	55.893	7.13	80	55.63	28.131	8.03	-94.0	1.2	2.9	5.9
11/30/04	02:30:40	25.45	55.896	7.11	80	55.49	28.033	8.03	-93.9	1.2	3.0	5.9
11/30/04	03:00:39	25.45	55.892	7.07	81	55.56	28.078	8.03	-93.9	1.2	2.9	5.8
11/30/04	03:30:39	25.45	55.891	7.05	80	55.53	28.059	8.03	-93.9	1.2	2.9	5.7
11/30/04	04:00:39	25.46	55.892	7.05	81	55.46	28.010	8.03	-94.0	1.2	3.0	5.9
11/30/04	04:30:39	25.45	55.893	7.02	80	55.39	27.963	8.04	-94.0	1.1	2.9	5.9
11/30/04	05:00:40	25.45	55.894	7.01	81	55.45	28.006	8.03	-93.9	1.2	3.0	5.9
11/30/04	05:30:39	25.46	55.892	7.06	81	55.48	28.023	8.04	-94.1	1.2	3.0	5.9
11/30/04	06:00:39	25.46	55.892	6.98	81	55.37	27.948	8.03	-93.8	1.1	3.0	5.9
11/30/04	06:30:39	25.46	55.891	7.00	81	55.45	28.003	8.03	-93.9	1.2	3.0	5.9
11/30/04	07:00:39	25.46	55.893	7.03	80	55.45	28.005	8.03	-93.9	1.3	3.0	5.8
11/30/04	07:30:40	25.47	55.895	7.00	80	55.22	27.848	8.03	-94.0	1.2	3.0	5.8
11/30/04	08:00:39	25.47	55.895	7.00	81	55.13	27.781	8.03	-93.9	1.2	3.0	5.9
11/30/04	08:30:39	25.47	55.892	7.01	81	55.14	27.791	8.03	-94.0	1.2	3.0	5.7
11/30/04	09:00:39	25.48	55.891	7.01	81	55.23	27.852	8.04	-94.1	1.2	3.0	5.8
11/30/04	09:30:39	25.48	55.892	7.04	81	55.01	27.703	8.04	-94.1	1.2	2.9	5.9
11/30/04	10:00:40	25.48	55.893	7.07	81	55.18	27.815	8.04	-94.2	1.2	3.0	5.9
11/30/04	10:30:39	25.48	55.894	7.10	81	54.90	27.629	8.04	-94.1	1.1	2.9	5.9
11/30/04	11:00:39	25.48	55.896	7.08	80	55.02	27.712	8.04	-94.2	1.3	2.9	5.9
11/30/04	11:30:39	25.48	55.893	7.09	81	54.90	27.625	8.04	-94.2	1.2	3.0	5.9
11/30/04	12:00:39	25.49	55.896	7.08	81	54.83	27.577	8.04	-94.2	1.2	3.0	5.9
11/30/04	12:30:40	25.49	55.896	7.04	81	54.87	27.608	8.04	-94.2	1.2	3.0	5.9
11/30/04	13:00:39	25.49	55.905	7.07	81	54.72	27.504	8.04	-94.1	4.6	2.9	5.9
11/30/04	13:30:39	25.49	55.903	7.14	81	54.61	27.427	8.03	-93.9	21.1	2.9	5.8
11/30/04	14:00:39	25.48	55.903	7.25	80	54.75	27.526	8.03	-93.9	26.2	3.0	5.9
11/30/04	14:30:39	25.48	55.898	7.35	81	54.69	27.479	8.03	-93.9	52.5	3.0	5.9
11/30/04	15:00:40	25.47	55.899	7.38	81	54.70	27.485	8.03	-93.9	37.7	2.9	5.9
11/30/04	15:30:39	25.46	55.902	7.43	80	54.61	27.425	8.03	-93.8	44.2	3.0	5.8
11/30/04	16:00:39	25.45	55.904	7.45	81	54.62	27.435	8.03	-93.8	11.0	2.9	6.2
11/30/04	16:30:39	25.45	55.905	7.37	81	54.58	27.408	8.03	-93.8	13.7	3.0	5.9
11/30/04	17:00:39	25.45	55.906	7.38	80	54.62	27.436	8.03	-93.7	21.3	2.9	5.9
11/30/04	17:30:39	25.45	55.897	7.39	81	54.72	27.500	8.03	-93.7	31.6	2.9	5.9
11/30/04	18:00:39	25.45	55.893	7.37	81	54.63	27.437	8.03	-93.9	15.4	3.0	5.9
11/30/04	18:30:39	25.45	55.892	7.36	80	54.74	27.513	8.03	-93.9	21.9	2.9	5.9
11/30/04	19:00:39	25.45	55.893	7.38	80	54.85	27.593	8.03	-93.8	28.5	3.0	6.0
11/30/04	19:30:39	25.44	55.887	7.39	80	54.94	27.655	8.03	-93.9	15.6	2.9	5.9
11/30/04	20:00:39	25.44	55.897	7.34	80	54.89	27.617	8.03	-93.8	13.1	3.0	5.7
11/30/04	20:30:39	25.42	55.896	7.37	80	55.00	27.694	8.04	-94.1	10.7	3.1	6.0
11/30/04	21:00:39	25.42	55.897	7.32	80	55.15	27.798	8.03	-93.9	9.9	2.9	5.9
11/30/04	21:30:39	25.42	55.898	7.33	81	55.17	27.814	8.04	-94.0	6.2	3.0	5.9
11/30/04	22:00:39	25.42	55.897	7.28	80	55.03	27.717	8.04	-94.0	6.0	2.9	6.0
11/30/04	22:30:39	25.41	55.903	7.28	80	55.59	28.097	8.04	-94.1	4.8	2.9	5.9
11/30/04	23:00:39	25.40	55.904	7.30	80	54.66	27.461	8.04	-94.3	2.0	3.0	6.0
11/30/04	23:30:39	25.39	55.904	7.28	80	55.26	27.875	8.04	-94.4	1.2	2.9	6.0
12/01/04	00:00:39	25.38	55.908	7.26	80	55.14	27.787	8.04	-94.4	1.2	3.1	5.9
12/01/04	00:30:39	25.38	55.908	7.21	80	55.91	28.320	8.04	-94.4	1.2	2.9	5.8
12/01/04	01:00:39	25.36	55.904	7.21	80	55.72	28.185	8.04	-94.4	1.1	2.9	6.0
12/01/04	01:30:39	25.36	55.906	7.19	80	55.44	27.998	8.04	-94.4	1.1	2.9	5.9
12/01/04	02:00:39	25.35	55.903	7.23	80	55.55	28.073	8.04	-94.5	1.2	3.0	5.9
12/01/04	02:30:39	25.34	55.905	7.17	80	55.44	27.994	8.04	-94.4	1.1	3.0	6.0
12/01/04	03:00:40	25.33	55.910	7.16	80	55.55	28.069	8.04	-94.3	1.3	2.9	5.9
12/01/04	03:30:39	25.32	55.906	7.17	80	55.70	28.172	8.04	-94.3	1.2	3.0	5.9
12/01/04	04:00:39	25.30	55.911	7.20	80	55.39	27.958	8.04	-94.4	1.2	3.0	5.7
12/01/04	04:30:39	25.28	55.911	7.18	80	55.30	27.901	8.04	-94.4	1.3	3.0	5.9
12/01/04	05:00:39	25.27	55.915	7.16	80	55.51	28.045	8.04	-94.4	1.3	3.1	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/01/04	05:30:40	25.26	55.912	7.18	80	55.67	28.154	8.04	-94.5	1.2	3.1	5.8
12/01/04	06:00:39	25.24	55.921	7.14	80	55.48	28.021	8.04	-94.4	1.2	3.0	5.9
12/01/04	06:30:39	25.23	55.926	7.21	80	55.48	28.021	8.05	-94.5	1.2	3.0	5.9
12/01/04	07:00:39	25.23	55.930	7.17	80	55.39	27.961	8.04	-94.4	1.2	3.0	5.9
12/01/04	07:30:39	25.23	55.934	7.17	80	55.48	28.019	8.04	-94.4	1.2	3.0	6.0
12/01/04	08:00:40	25.22	55.938	7.14	80	54.91	27.627	8.04	-94.4	1.3	3.0	5.8
12/01/04	08:30:39	25.20	55.943	7.16	80	54.84	27.583	8.04	-94.4	1.2	2.8	5.9
12/01/04	09:00:39	25.20	55.944	7.16	80	55.15	27.796	8.04	-94.4	1.2	3.0	5.9
12/01/04	09:30:39	25.19	55.947	7.14	80	55.11	27.768	8.04	-94.4	1.3	2.9	5.9
12/01/04	10:00:39	25.18	55.951	7.15	80	55.22	27.840	8.04	-94.4	1.3	3.1	5.9
12/01/04	10:30:40	25.17	55.956	7.13	80	55.12	27.774	8.04	-94.4	1.2	3.0	6.1
12/01/04	11:00:39	25.17	55.958	7.12	81	54.96	27.664	8.04	-94.5	1.2	3.0	5.9
12/01/04	11:30:39	25.16	55.962	7.05	80	54.95	27.657	8.04	-94.3	1.2	3.0	6.0
12/01/04	12:00:39	25.15	55.965	7.09	81	55.03	27.709	8.04	-94.2	1.3	3.1	6.0
12/01/04	12:30:39	25.14	55.970	7.18	80	54.59	27.412	8.04	-94.4	1.2	2.9	5.9
12/01/04	13:00:40	25.12	55.973	7.21	80	54.88	27.609	8.04	-94.4	3.9	3.1	5.9
12/01/04	13:30:39	25.12	55.969	7.17	80	55.03	27.710	8.04	-94.1	5.6	3.0	5.9
12/01/04	14:00:39	25.11	55.981	7.20	80	54.93	27.645	8.04	-94.1	14.8	3.0	5.9
12/01/04	14:30:39	25.11	55.986	7.24	80	54.78	27.542	8.04	-94.1	25.0	3.0	5.9
12/01/04	15:00:39	25.09	55.991	7.36	80	54.68	27.471	8.04	-94.1	28.2	3.1	6.0
12/01/04	15:30:40	25.09	55.992	7.43	80	54.69	27.475	8.04	-93.9	58.2	3.0	5.9
12/01/04	16:00:39	25.09	56.000	7.59	80	54.74	27.510	8.04	-94.1	89.2	3.0	5.9
12/01/04	16:30:39	25.09	56.002	7.68	80	54.65	27.452	8.04	-94.1	109.6	3.0	5.9
12/01/04	17:00:39	25.08	56.006	7.75	80	54.57	27.392	8.04	-94.1	101.3	3.0	5.9
12/01/04	17:30:39	25.07	56.006	7.78	80	54.53	27.367	8.04	-94.1	163.1	3.0	6.1
12/01/04	18:00:40	25.08	56.004	7.85	80	54.77	27.530	8.04	-94.1	161.2	3.0	6.0
12/01/04	18:30:39	25.09	56.012	7.87	80	54.46	27.315	8.04	-94.1	184.1	3.0	5.9
12/01/04	19:00:39	25.08	56.004	7.87	79	54.68	27.473	8.04	-94.1	149.4	3.0	5.9
12/01/04	19:30:39	25.07	56.001	7.89	79	54.76	27.527	8.04	-94.1	138.8	3.0	5.9
12/01/04	20:00:39	25.06	56.003	7.83	80	54.89	27.613	8.04	-94.1	74.6	3.0	5.8
12/01/04	20:30:40	25.04	56.002	7.78	79	54.74	27.507	8.04	-94.1	47.6	3.0	6.0
12/01/04	21:00:39	25.05	55.994	7.74	79	54.93	27.642	8.04	-94.2	81.1	2.9	6.0
12/01/04	21:30:39	25.04	55.993	7.68	79	54.89	27.615	8.04	-94.1	41.0	3.1	1395.0
12/01/04	22:00:39	25.03	55.991	7.61	79	55.09	27.751	8.04	-94.1	24.7	2.9	8.9
12/01/04	22:30:39	25.03	55.995	7.49	79	55.22	27.839	8.04	-94.1	11.4	3.0	5.9
12/01/04	23:00:40	25.04	56.001	7.45	79	55.21	27.836	8.04	-94.2	6.2	3.0	5.9
12/01/04	23:30:39	25.03	56.004	7.36	79	55.23	27.850	8.04	-94.3	1.4	3.0	5.9
12/02/04	00:00:39	25.03	55.999	7.32	79	55.29	27.888	8.04	-94.4	1.2	3.0	5.8
12/02/04	00:30:39	25.01	55.992	7.31	79	55.30	27.899	8.05	-94.5	1.1	3.0	5.9
12/02/04	01:00:39	25.02	55.995	7.23	79	55.37	27.944	8.05	-94.5	1.3	2.9	6.0
12/02/04	01:30:40	25.02	55.997	7.21	79	55.35	27.930	8.04	-94.4	1.3	3.0	5.9
12/02/04	02:00:39	24.99	55.984	7.20	79	55.45	27.995	8.04	-94.4	1.3	3.1	6.0
12/02/04	02:30:39	24.99	55.989	7.16	79	55.49	28.028	8.04	-94.4	1.2	3.1	5.8
12/02/04	03:00:39	24.99	55.992	7.19	79	55.46	28.004	8.05	-94.5	1.2	2.9	5.9
12/02/04	03:30:39	24.98	55.982	7.19	80	55.51	28.040	8.04	-94.4	1.3	3.0	5.8
12/02/04	04:00:40	24.98	55.982	7.18	80	55.51	28.039	8.05	-94.5	1.2	2.9	5.9
12/02/04	04:30:39	24.95	55.964	7.15	80	55.53	28.053	8.04	-94.4	1.2	3.0	5.9
12/02/04	05:00:39	24.93	55.944	7.15	79	55.49	28.028	8.04	-94.4	1.2	3.0	5.9
12/02/04	05:30:39	24.96	55.960	7.12	79	55.54	28.058	8.04	-94.4	1.2	2.9	6.0
12/02/04	06:00:39	24.95	55.960	7.14	80	55.46	28.006	8.05	-94.5	1.3	3.0	5.9
12/02/04	06:30:39	24.94	55.956	7.15	80	55.45	27.999	8.04	-94.4	1.2	3.0	5.9
12/02/04	07:00:39	24.94	55.954	7.10	80	55.40	27.966	8.04	-94.4	1.3	3.0	5.9
12/02/04	07:30:39	24.93	55.951	7.09	79	55.48	28.018	8.04	-94.4	1.3	3.0	5.8
12/02/04	08:00:39	24.91	55.932	7.10	80	55.38	27.954	8.04	-94.3	1.2	3.0	6.1
12/02/04	08:30:39	24.91	55.926	7.11	79	55.37	27.945	8.04	-94.4	1.1	3.0	6.0
12/02/04	09:00:39	24.91	55.931	7.09	79	55.35	27.931	8.04	-94.3	1.2	2.9	6.0
12/02/04	09:30:39	24.90	55.927	7.10	79	55.31	27.901	8.04	-94.4	1.3	3.0	6.0
12/02/04	10:00:39	24.89	55.920	7.12	79	55.23	27.848	8.05	-94.5	1.2	3.0	5.9
12/02/04	10:30:39	24.89	55.918	7.08	79	55.23	27.849	8.04	-94.4	1.2	3.0	5.8
12/02/04	11:00:39	24.87	55.905	7.05	80	55.20	27.825	8.04	-94.3	1.3	2.9	6.1
12/02/04	11:30:39	24.89	55.912	7.09	79	55.20	27.825	8.04	-94.4	1.2	3.0	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/02/04	12:00:39	24.91	55.930	7.08	80	55.09	27.749	8.04	-94.4	1.1	3.0	6.0
12/02/04	12:30:39	24.93	55.938	7.13	79	55.10	27.757	8.05	-94.6	1.1	3.0	6.0
12/02/04	13:00:39	24.91	55.927	7.10	80	55.03	27.708	8.04	-94.4	2.0	3.1	5.9
12/02/04	13:30:40	24.92	55.935	7.14	79	55.01	27.699	8.04	-94.4	4.3	2.9	5.9
12/02/04	14:00:39	24.92	55.936	7.18	79	54.96	27.663	8.04	-94.3	16.0	3.0	5.9
12/02/04	14:30:39	24.93	55.940	7.30	80	54.89	27.613	8.04	-94.2	33.5	3.1	6.1
12/02/04	15:00:39	24.88	55.911	7.42	79	54.91	27.626	8.04	-94.1	46.2	3.1	6.0
12/02/04	15:30:39	24.88	55.906	7.50	80	54.87	27.599	8.04	-94.2	78.6	3.0	5.9
12/02/04	16:00:40	24.87	55.901	7.52	79	54.82	27.565	8.04	-94.1	52.1	3.0	6.0
12/02/04	16:30:39	24.86	55.892	7.50	79	54.82	27.567	8.04	-94.2	47.2	2.9	5.9
12/02/04	17:00:39	24.84	55.876	7.53	79	54.83	27.576	8.04	-94.1	35.8	3.0	6.1
12/02/04	17:30:39	24.85	55.879	7.52	79	54.79	27.547	8.04	-94.1	36.5	3.0	6.1
12/02/04	18:00:39	24.83	55.868	7.52	79	54.77	27.532	8.04	-94.2	33.6	3.0	5.9
12/02/04	18:30:40	24.86	55.878	7.57	79	54.80	27.553	8.04	-94.3	51.4	3.0	1394.2
12/02/04	19:00:39	24.85	55.870	7.58	79	54.82	27.565	8.04	-94.3	62.6	2.9	1394.2
12/02/04	19:30:39	24.83	55.868	7.59	79	54.87	27.598	8.04	-94.3	41.6	3.0	6.1
12/02/04	20:00:39	24.83	55.880	7.59	79	54.88	27.607	8.04	-94.4	27.7	3.1	6.0
12/02/04	20:30:39	24.84	55.880	7.49	79	54.92	27.638	8.04	-94.2	19.6	2.9	6.0
12/02/04	21:00:40	24.84	55.894	7.53	79	54.96	27.659	8.04	-94.4	36.2	3.1	5.8
12/02/04	21:30:39	24.87	55.912	7.45	79	55.02	27.702	8.04	-94.2	20.8	3.0	5.9
12/02/04	22:00:39	24.90	55.929	7.40	79	55.02	27.705	8.04	-94.1	14.8	3.0	6.1
12/02/04	22:30:39	24.95	55.962	7.37	79	55.08	27.741	8.04	-94.2	9.8	3.0	6.1
12/02/04	23:00:39	24.98	55.988	7.30	79	55.15	27.795	8.04	-94.2	4.5	3.0	5.9
12/02/04	23:30:40	24.98	55.996	7.23	79	55.23	27.845	8.04	-94.3	1.3	3.1	6.2
12/03/04	00:00:39	24.98	56.011	7.20	79	55.27	27.873	8.04	-94.4	1.2	3.0	6.0
12/03/04	00:30:39	24.99	56.022	7.21	79	55.33	27.918	8.04	-94.5	1.2	3.0	5.9
12/03/04	01:00:39	25.00	56.037	7.16	77	55.34	27.921	8.04	-94.4	1.3	3.1	5.9
12/03/04	01:30:39	25.01	56.033	7.15	79	55.36	27.934	8.05	-94.5	1.2	3.1	6.1
12/03/04	02:00:39	24.99	56.023	7.19	77	55.44	27.991	8.05	-94.5	1.1	3.1	6.1
12/03/04	02:30:39	24.99	56.029	7.14	79	55.40	27.966	8.05	-94.5	1.3	3.0	5.9
12/03/04	03:00:39	24.98	56.025	7.16	79	55.45	27.999	8.05	-94.5	1.2	3.1	5.9
12/03/04	03:30:39	24.98	56.038	7.15	79	55.50	28.028	8.05	-94.6	1.3	3.1	6.1
12/03/04	04:00:39	24.99	56.043	7.17	79	55.47	28.013	8.05	-94.6	1.2	2.9	6.0
12/03/04	04:30:39	24.98	56.043	7.16	79	55.45	27.994	8.05	-94.7	1.2	3.0	5.9
12/03/04	05:00:39	24.96	56.038	7.18	79	55.47	28.010	8.05	-94.7	1.2	3.0	6.1
12/03/04	05:30:39	24.96	56.043	7.14	79	55.46	28.003	8.05	-94.6	1.2	3.0	6.1
12/03/04	06:00:39	24.99	56.057	7.14	79	55.41	27.972	8.05	-94.7	1.2	3.1	5.9
12/03/04	06:30:39	24.99	56.053	7.12	79	55.38	27.948	8.05	-94.7	1.2	3.0	6.0
12/03/04	07:00:39	24.99	56.052	7.13	79	55.40	27.961	8.05	-94.8	1.2	2.9	6.0
12/03/04	07:30:39	24.99	56.051	7.10	79	55.35	27.925	8.05	-94.8	1.3	3.0	5.8
12/03/04	08:00:39	24.98	56.051	7.15	79	55.34	27.918	8.05	-94.7	1.2	3.0	5.9
12/03/04	08:30:39	24.99	56.049	7.11	79	55.32	27.909	8.05	-94.8	1.1	3.1	6.1
12/03/04	09:00:40	24.99	56.047	7.14	79	55.29	27.890	8.05	-94.7	1.2	2.9	5.9
12/03/04	09:30:39	24.98	56.047	7.11	79	55.26	27.869	8.05	-94.7	1.1	2.9	5.9
12/03/04	10:00:39	24.98	56.044	7.12	79	55.23	27.846	8.05	-94.8	1.3	3.0	6.0
12/03/04	10:30:39	24.97	56.044	7.10	79	55.19	27.820	8.05	-94.7	1.3	3.0	5.9
12/03/04	11:00:39	24.97	56.040	7.09	79	55.20	27.828	8.05	-94.7	1.2	3.0	6.1
12/03/04	11:30:40	24.96	56.033	7.14	79	55.18	27.811	8.05	-94.8	1.3	3.0	6.2
12/03/04	12:00:39	24.96	56.039	7.16	79	55.09	27.747	8.05	-94.8	1.3	2.9	5.9
12/03/04	12:30:39	24.96	56.038	7.11	77	55.04	27.713	8.05	-94.7	1.2	3.1	6.1
12/03/04	13:00:39	24.95	56.039	7.12	79	55.04	27.716	8.05	-94.8	3.0	3.0	6.1
12/03/04	13:30:39	24.94	56.032	7.17	77	55.06	27.727	8.05	-94.7	11.5	3.0	1394.6
12/03/04	14:00:40	24.94	56.036	7.25	79	55.00	27.688	8.05	-94.5	10.4	3.1	1394.6
12/03/04	14:30:39	24.94	56.033	7.22	77	54.96	27.661	8.05	-94.5	6.1	3.0	6.0
12/03/04	15:00:39	24.94	56.029	7.21	79	54.94	27.649	8.05	-94.5	6.6	3.0	6.1
12/03/04	15:30:39	24.93	56.029	7.26	79	54.93	27.637	8.05	-94.5	26.5	2.9	6.0
12/03/04	16:00:39	24.94	56.026	7.41	79	54.89	27.612	8.05	-94.5	116.6	3.1	5.8
12/03/04	16:30:40	24.93	56.027	7.57	77	54.84	27.577	8.05	-94.5	61.7	3.0	6.0
12/03/04	17:00:39	24.94	56.026	7.69	79	54.85	27.588	8.05	-94.5	163.4	3.0	6.1
12/03/04	17:30:39	24.94	56.028	7.68	77	54.80	27.553	8.05	-94.5	63.7	3.0	6.0
12/03/04	18:00:39	24.93	56.026	7.61	77	54.79	27.545	8.05	-94.5	34.8	3.0	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/03/04	18:30:39	24.92	56.026	7.55	77	54.87	27.595	8.05	-94.5	21.0	3.0	6.0
12/03/04	19:00:40	24.92	56.020	7.53	77	54.81	27.557	8.04	-94.4	35.2	3.1	6.0
12/03/04	19:30:39	24.90	56.021	7.56	77	54.82	27.564	8.05	-94.5	32.6	2.9	6.1
12/03/04	20:00:39	24.91	56.016	7.48	79	54.83	27.575	8.04	-94.4	19.7	2.9	6.1
12/03/04	20:30:39	24.90	56.019	7.46	77	54.92	27.634	8.04	-94.4	11.8	2.9	5.9
12/03/04	21:00:39	24.90	56.014	7.35	77	54.90	27.618	8.04	-94.4	12.2	3.1	6.1
12/03/04	21:30:39	24.90	56.019	7.36	77	54.98	27.675	8.04	-94.4	6.2	3.0	6.0
12/03/04	22:00:39	24.91	56.016	7.25	77	55.00	27.690	8.04	-94.4	7.3	2.9	6.0
12/03/04	22:30:39	24.90	56.018	7.31	77	55.04	27.719	8.05	-94.5	3.6	3.0	6.0
12/03/04	23:00:39	24.90	56.018	7.29	77	55.13	27.779	8.05	-94.6	1.7	2.9	5.9
12/03/04	23:30:39	24.91	56.023	7.22	77	55.21	27.831	8.05	-94.7	1.2	3.0	6.1
12/04/04	00:00:39	24.91	56.025	7.15	77	55.19	27.818	8.05	-94.6	1.2	3.0	1394.5
12/04/04	00:30:39	24.91	56.035	7.16	77	55.26	27.866	8.05	-94.7	1.3	3.0	9.0
12/04/04	01:00:39	24.91	56.040	7.13	77	55.29	27.890	8.05	-94.7	1.2	3.1	6.0
12/04/04	01:30:39	24.91	56.042	7.11	77	55.36	27.933	8.05	-94.7	1.2	2.9	6.2
12/04/04	02:00:40	24.92	56.043	7.06	77	55.35	27.927	8.05	-94.6	1.1	3.0	5.8
12/04/04	02:30:39	24.85	55.979	7.17	79	55.43	27.985	8.05	-94.8	1.2	3.0	1394.2
12/04/04	03:00:39	24.85	55.971	7.18	77	55.43	27.981	8.05	-94.8	1.2	3.0	8.9
12/04/04	03:30:39	24.84	55.953	7.17	77	55.49	28.022	8.05	-94.9	1.1	3.1	5.9
12/04/04	04:00:39	24.84	55.942	7.17	77	55.45	28.000	8.05	-95.0	1.2	3.0	6.1
12/04/04	04:30:40	24.81	55.903	7.21	77	55.46	28.005	8.05	-95.0	1.2	3.0	6.0
12/04/04	05:00:39	24.82	55.909	7.18	77	55.47	28.010	8.05	-94.9	1.3	3.0	1394.1
12/04/04	05:30:39	24.83	55.911	7.16	77	55.48	28.018	8.05	-94.9	1.3	3.0	1394.1
12/04/04	06:00:39	24.82	55.901	7.16	77	55.41	27.973	8.05	-95.0	1.2	3.0	5.9
12/04/04	06:30:39	24.81	55.888	7.17	77	55.42	27.979	8.05	-94.9	1.3	2.9	5.9
12/04/04	07:00:40	24.81	55.883	7.17	77	55.38	27.951	8.05	-95.0	1.4	3.0	1394.1
12/04/04	07:30:39	24.81	55.882	7.15	77	55.40	27.966	8.05	-94.8	1.3	3.0	1394.1
12/04/04	08:00:39	24.80	55.873	7.14	77	55.30	27.894	8.05	-94.8	1.3	3.0	6.0
12/04/04	08:30:39	24.79	55.851	7.14	77	55.33	27.917	8.05	-94.9	1.3	3.0	5.9
12/04/04	09:00:39	24.79	55.850	7.09	77	55.31	27.906	8.05	-94.8	1.1	3.0	6.1
12/04/04	09:30:40	24.85	55.908	7.10	77	55.24	27.856	8.05	-94.8	1.2	3.1	1394.2
12/04/04	10:00:39	24.86	55.926	7.10	77	55.28	27.881	8.05	-94.8	1.2	3.0	9.0
12/04/04	10:30:39	24.86	55.930	7.09	77	55.25	27.862	8.05	-94.8	1.2	3.1	5.9
12/04/04	11:00:39	24.86	55.939	7.13	77	55.23	27.846	8.05	-94.9	1.2	3.1	5.9
12/04/04	11:30:39	24.84	55.931	7.09	76	55.22	27.842	8.05	-94.8	1.3	2.9	6.0
12/04/04	12:00:40	24.83	55.920	7.09	77	55.21	27.832	8.05	-94.9	1.2	3.0	5.9
12/04/04	12:30:39	24.82	55.908	7.11	77	55.20	27.829	8.05	-95.0	1.3	3.1	5.9
12/04/04	13:00:39	24.81	55.897	7.08	77	55.17	27.803	8.05	-94.9	2.2	2.9	6.0
12/04/04	13:30:39	24.79	55.884	7.17	77	55.15	27.793	8.05	-94.8	6.1	3.1	5.9
12/04/04	14:00:39	24.78	55.884	7.17	76	55.11	27.762	8.05	-94.8	9.3	3.1	5.9
12/04/04	14:30:40	24.77	55.878	7.26	77	55.07	27.733	8.05	-94.7	24.1	3.0	5.9
12/04/04	15:00:39	24.73	55.849	7.35	77	55.05	27.725	8.05	-94.7	19.7	3.0	5.9
12/04/04	15:30:39	24.72	55.836	7.34	77	55.07	27.737	8.05	-94.6	17.3	3.0	5.9
12/04/04	16:00:39	24.74	55.852	7.35	77	55.01	27.696	8.05	-94.7	22.8	2.9	5.9
12/04/04	16:30:39	24.74	55.856	7.36	77	55.05	27.725	8.05	-94.5	20.8	2.9	5.9
12/04/04	17:00:40	24.73	55.841	7.42	77	54.99	27.681	8.05	-94.5	36.7	3.0	6.1
12/04/04	17:30:39	24.73	55.835	7.47	76	55.01	27.697	8.05	-94.5	27.5	3.0	5.8
12/04/04	18:00:39	24.72	55.831	7.49	76	54.99	27.682	8.05	-94.5	41.3	3.0	6.0
12/04/04	18:30:39	24.71	55.827	7.51	77	54.94	27.650	8.05	-94.6	48.3	3.0	6.2
12/04/04	19:00:39	24.72	55.833	7.50	76	54.91	27.627	8.05	-94.6	37.8	3.0	6.0
12/04/04	19:30:40	24.68	55.810	7.51	76	54.94	27.650	8.05	-94.5	33.8	3.0	5.9
12/04/04	20:00:39	24.63	55.769	7.46	77	54.96	27.663	8.05	-94.4	17.5	3.1	1393.3
12/04/04	20:30:39	24.61	55.759	7.41	76	55.00	27.691	8.05	-94.4	17.2	3.0	1393.1
12/04/04	21:00:39	24.61	55.749	7.38	76	54.99	27.680	8.04	-94.4	20.9	2.9	8.8
12/04/04	21:30:39	24.58	55.725	7.36	76	54.98	27.677	8.04	-94.3	34.1	2.9	6.1
12/04/04	22:00:40	24.55	55.708	7.40	76	55.03	27.711	8.04	-94.3	15.0	3.0	6.0
12/04/04	22:30:39	24.57	55.726	7.34	76	55.09	27.753	8.05	-94.4	7.1	3.0	6.1
12/04/04	23:00:39	24.62	55.760	7.33	76	55.17	27.804	8.05	-94.6	4.8	2.9	6.0
12/04/04	23:30:39	24.62	55.774	7.30	77	55.15	27.792	8.05	-94.7	1.3	3.0	5.9
12/05/04	00:00:39	24.64	55.777	7.29	77	55.21	27.830	8.05	-94.9	1.2	3.0	6.0
12/05/04	00:30:40	24.60	55.749	7.23	76	55.23	27.850	8.05	-94.8	1.3	3.1	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/05/04	01:00:39	24.53	55.691	7.17	76	55.29	27.887	8.05	-94.5	1.2	3.0	6.0
12/05/04	01:30:39	24.50	55.678	7.19	76	55.32	27.911	8.05	-94.7	1.2	3.0	6.2
12/05/04	02:00:39	24.51	55.686	7.19	76	55.36	27.934	8.05	-94.6	1.3	3.0	6.1
12/05/04	02:30:39	24.51	55.692	7.16	76	55.35	27.930	8.05	-94.7	1.2	3.0	6.1
12/05/04	03:00:40	24.52	55.703	7.18	76	55.35	27.928	8.05	-94.8	1.2	2.9	6.0
12/05/04	03:30:39	24.53	55.714	7.19	76	55.37	27.946	8.05	-94.8	1.1	3.0	6.1
12/05/04	04:00:39	24.54	55.729	7.15	76	55.43	27.984	8.05	-94.8	1.2	2.9	6.2
12/05/04	04:30:39	24.55	55.741	7.16	76	55.39	27.955	8.05	-94.9	1.1	3.0	6.1
12/05/04	05:00:39	24.57	55.756	7.17	76	55.36	27.936	8.05	-94.8	1.2	3.0	5.9
12/05/04	05:30:40	24.57	55.753	7.21	76	55.35	27.929	8.06	-95.0	1.3	3.0	5.9
12/05/04	06:00:39	24.56	55.743	7.17	76	55.36	27.937	8.05	-94.9	1.2	2.9	6.0
12/05/04	06:30:39	24.52	55.689	7.19	76	55.30	27.895	8.05	-94.8	1.2	2.9	6.0
12/05/04	07:00:39	24.45	55.653	7.16	76	55.29	27.887	8.05	-94.7	1.1	3.0	6.1
12/05/04	07:30:39	24.45	55.658	7.14	76	55.26	27.868	8.05	-94.7	1.2	2.9	6.1
12/05/04	08:00:39	24.55	55.745	7.12	76	55.18	27.816	8.05	-94.8	1.2	2.9	6.2
12/05/04	08:30:39	24.53	55.735	7.14	76	55.17	27.804	8.05	-94.8	1.2	2.9	6.0
12/05/04	09:00:39	24.53	55.749	7.16	76	55.19	27.818	8.05	-94.8	1.2	3.0	6.1
12/05/04	09:30:39	24.56	55.770	7.15	76	55.16	27.797	8.05	-94.8	1.3	3.0	5.9
12/05/04	10:00:39	24.57	55.791	7.16	76	55.16	27.801	8.05	-94.8	1.3	3.1	6.3
12/05/04	10:30:39	24.57	55.791	7.16	76	55.13	27.781	8.05	-94.8	1.2	3.0	6.1
12/05/04	11:00:39	24.57	55.793	7.17	76	55.13	27.778	8.05	-94.8	1.1	2.9	5.9
12/05/04	11:30:39	24.58	55.798	7.12	76	55.10	27.759	8.05	-94.8	1.2	3.1	6.0
12/05/04	12:00:39	24.58	55.799	7.15	76	55.06	27.728	8.05	-94.8	1.2	2.9	6.0
12/05/04	12:30:39	24.58	55.805	7.14	76	55.12	27.769	8.05	-94.8	1.3	3.1	6.1
12/05/04	13:00:39	24.59	55.805	7.12	76	55.07	27.739	8.05	-94.9	1.9	3.0	6.0
12/05/04	13:30:39	24.59	55.816	7.17	76	55.08	27.742	8.05	-94.8	6.2	3.0	6.1
12/05/04	14:00:39	24.60	55.851	7.16	76	55.03	27.707	8.05	-94.6	5.7	3.0	5.9
12/05/04	14:30:39	24.61	55.857	7.21	76	55.06	27.728	8.05	-94.6	10.5	3.1	6.1
12/05/04	15:00:40	24.67	55.897	7.25	76	55.07	27.733	8.05	-94.7	15.2	3.0	5.9
12/05/04	15:30:39	24.70	55.917	7.33	76	55.06	27.727	8.05	-94.7	35.7	2.9	6.1
12/05/04	16:00:39	24.69	55.912	7.37	76	55.03	27.711	8.05	-94.6	22.0	3.1	1393.5
12/05/04	16:30:39	24.71	55.935	7.41	76	55.05	27.720	8.05	-94.7	98.8	3.0	1393.6
12/05/04	17:00:39	24.75	55.961	7.54	76	55.03	27.708	8.05	-94.7	61.3	3.0	5.9
12/05/04	17:30:40	24.76	55.964	7.64	76	54.96	27.660	8.05	-94.7	55.8	3.0	5.9
12/05/04	18:00:39	24.77	55.967	7.69	76	54.92	27.634	8.05	-94.7	83.8	3.0	6.0
12/05/04	18:30:39	24.77	55.966	7.71	76	54.93	27.640	8.05	-94.7	62.4	3.0	6.1
12/05/04	19:00:39	24.78	55.957	7.68	76	54.97	27.669	8.05	-94.7	59.3	2.9	1393.9
12/05/04	19:30:39	24.77	55.953	7.63	76	54.92	27.632	8.05	-94.7	53.5	3.1	1393.9
12/05/04	20:00:40	24.77	55.960	7.64	76	54.93	27.643	8.05	-94.6	38.2	3.0	6.1
12/05/04	20:30:39	24.77	55.960	7.64	76	55.11	27.765	8.05	-94.6	45.9	3.1	6.0
12/05/04	21:00:39	24.76	55.949	7.53	76	55.03	27.709	8.05	-94.6	10.4	2.9	6.1
12/05/04	21:30:39	24.70	55.898	7.50	76	54.97	27.668	8.05	-94.5	21.9	3.1	6.4
12/05/04	22:00:39	24.62	55.801	7.49	76	54.96	27.665	8.05	-94.5	11.0	3.0	6.1
12/05/04	22:30:40	24.55	55.725	7.42	76	55.06	27.728	8.05	-94.5	7.1	3.0	6.0
12/05/04	23:00:39	24.52	55.712	7.40	76	55.05	27.722	8.05	-94.7	3.5	3.0	6.2
12/05/04	23:30:39	24.50	55.695	7.34	76	55.12	27.774	8.05	-94.8	1.3	3.1	8.0
12/06/04	00:00:39	24.52	55.704	7.26	76	55.32	27.910	8.05	-94.8	1.2	3.0	1392.7
12/06/04	00:30:39	24.50	55.672	7.25	76	55.35	27.931	8.06	-94.9	1.3	3.0	1392.7
12/06/04	01:00:40	24.42	55.590	7.24	76	55.27	27.878	8.05	-94.8	1.3	3.0	6.2
12/06/04	01:30:39	24.43	55.596	7.22	76	55.27	27.876	8.06	-94.9	1.3	2.9	6.1
12/06/04	02:00:39	24.43	55.586	7.21	76	55.16	27.800	8.06	-95.0	1.2	3.0	6.0
12/06/04	02:30:39	24.43	55.589	7.19	76	55.42	27.978	8.06	-95.0	1.3	3.0	6.1
12/06/04	03:00:39	24.53	55.753	7.13	76	55.41	27.968	8.06	-94.9	1.2	3.0	5.9
12/06/04	03:30:40	24.58	55.804	7.16	76	55.27	27.872	8.06	-95.1	1.2	3.1	1393.0
12/06/04	04:00:39	24.59	55.824	7.15	76	55.38	27.949	8.06	-95.2	1.2	3.0	8.7
12/06/04	04:30:39	24.59	55.823	7.14	76	55.34	27.920	8.06	-95.2	1.2	3.0	6.0
12/06/04	05:00:39	24.54	55.760	7.21	76	55.30	27.892	8.06	-95.3	1.3	3.0	5.9
12/06/04	05:30:39	24.51	55.738	7.19	76	55.26	27.867	8.06	-95.2	1.2	2.9	5.9
12/06/04	06:00:39	24.49	55.725	7.17	76	55.33	27.917	8.06	-95.3	1.3	3.0	1392.7
12/06/04	06:30:39	24.50	55.737	7.15	76	55.25	27.857	8.07	-95.5	1.2	3.0	1392.7
12/06/04	07:00:39	24.49	55.725	7.14	76	55.02	27.704	8.07	-95.6	1.2	3.0	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/06/04	07:30:39	24.46	55.694	7.17	76	55.18	27.813	8.07	-95.7	1.2	3.0	5.9
12/06/04	08:00:39	24.36	55.590	7.14	76	55.22	27.840	8.07	-95.6	1.2	3.0	5.9
12/06/04	08:30:39	24.32	55.556	7.16	76	55.30	27.896	8.08	-96.1	1.2	2.9	5.9
12/06/04	09:00:39	24.32	55.548	7.16	76	54.94	27.648	8.08	-96.3	1.2	3.1	1391.9
12/06/04	09:30:39	24.31	55.536	7.19	76	55.05	27.728	8.09	-96.8	1.1	3.0	1391.9
12/06/04	10:00:39	24.33	55.555	7.17	76	55.12	27.774	8.09	-96.9	1.2	3.0	5.9
12/06/04	10:30:39	24.35	55.608	7.11	76	55.05	27.727	8.09	-97.1	1.2	3.1	1392.0
12/06/04	11:00:39	24.43	55.740	7.05	76	54.99	27.684	8.10	-97.3	1.3	3.1	1392.3
12/06/04	11:30:39	24.60	55.880	7.09	76	55.07	27.738	8.11	-97.8	1.3	3.0	6.0
12/06/04	12:00:39	24.67	55.900	7.10	76	55.19	27.816	8.11	-98.1	1.2	3.1	5.9
12/06/04	12:30:39	24.61	55.846	7.11	76	55.03	27.708	8.11	-98.1	1.3	2.9	6.1
12/06/04	13:00:39	24.59	55.797	7.15	76	55.06	27.730	8.12	-98.5	2.2	3.0	1393.1
12/06/04	13:30:39	24.66	55.841	7.15	76	55.14	27.783	8.12	-98.4	6.6	3.0	1393.4
12/06/04	14:00:39	24.65	55.827	7.19	76	55.19	27.818	8.12	-98.4	13.6	3.0	6.0
12/06/04	14:30:39	24.58	55.757	7.28	76	55.05	27.723	8.12	-98.4	18.8	3.1	6.1
12/06/04	15:00:39	24.39	55.588	7.30	76	55.42	27.979	8.12	-98.3	25.0	3.0	6.2
12/06/04	15:30:39	24.31	55.518	7.36	76	55.16	27.802	8.13	-98.8	32.9	2.9	6.1
12/06/04	16:00:39	24.27	55.482	7.45	76	55.14	27.789	8.14	-99.4	41.5	3.0	6.1
12/06/04	16:30:39	24.30	55.526	7.47	74	55.17	27.805	8.14	-99.7	37.8	3.0	6.1
12/06/04	17:00:39	24.30	55.517	7.54	76	55.12	27.771	8.15	-100.0	45.8	3.0	1391.8
12/06/04	17:30:39	24.30	55.524	7.57	76	55.09	27.753	8.15	-100.3	56.1	3.0	1391.8
12/06/04	18:00:40	24.30	55.544	7.57	76	55.21	27.833	8.16	-100.5	52.1	3.1	6.2
12/06/04	18:30:39	24.30	55.572	7.53	76	55.03	27.711	8.16	-100.6	33.2	3.0	6.1
12/06/04	19:00:39	24.31	55.589	7.46	76	55.07	27.735	8.16	-100.8	14.7	2.9	1391.8
12/06/04	19:30:39	24.33	55.664	7.38	74	55.03	27.710	8.16	-100.8	32.7	3.0	9.1
12/06/04	20:00:39	24.32	55.709	7.43	74	55.16	27.798	8.17	-101.1	39.4	3.1	6.2
12/06/04	20:30:40	24.50	55.837	7.44	74	55.24	27.853	8.17	-101.6	35.3	3.0	6.2
12/06/04	21:00:39	24.56	55.892	7.45	76	55.17	27.803	8.17	-101.4	25.6	3.0	6.3
12/06/04	21:30:39	24.66	55.967	7.39	76	54.99	27.678	8.17	-101.6	18.2	3.0	5.9
12/06/04	22:00:39	24.78	56.028	7.37	76	55.00	27.684	8.17	-101.5	15.6	3.0	5.9
12/06/04	22:30:39	24.80	56.044	7.32	74	55.10	27.755	8.17	-101.6	8.4	3.0	6.0
12/06/04	23:00:40	24.82	56.051	7.30	76	55.20	27.827	8.17	-101.6	3.0	3.0	6.0
12/06/04	23:30:39	24.83	56.051	7.24	76	55.12	27.767	8.18	-101.7	1.4	3.0	1394.1
12/07/04	00:00:39	24.84	56.045	7.23	74	54.99	27.679	8.18	-101.9	1.2	3.1	8.7
12/07/04	00:30:39	24.87	56.057	7.19	76	55.27	27.870	8.18	-102.0	1.2	3.1	6.0
12/07/04	01:00:39	24.90	56.062	7.20	76	55.01	27.696	8.18	-102.1	1.3	3.0	1394.4
12/07/04	01:30:40	24.89	56.065	7.17	74	55.15	27.791	8.18	-101.9	1.2	3.0	8.4
12/07/04	02:00:39	24.89	56.065	7.16	76	55.32	27.910	8.18	-101.9	1.1	2.9	1394.4
12/07/04	02:30:39	24.90	56.069	7.15	76	55.38	27.947	8.18	-101.9	1.2	3.0	8.1
12/07/04	03:00:39	24.89	56.061	7.13	76	55.17	27.802	8.18	-101.8	1.2	3.0	5.7
12/07/04	03:30:39	24.89	56.068	7.17	76	55.47	28.009	8.18	-101.9	1.2	2.9	5.9
12/07/04	04:00:40	24.87	56.045	7.18	76	55.36	27.932	8.18	-101.9	1.2	3.0	1394.4
12/07/04	04:30:39	24.90	56.054	7.16	76	55.29	27.889	8.18	-101.7	1.2	3.1	1394.4
12/07/04	05:00:39	24.91	56.077	7.13	76	55.23	27.842	8.18	-101.7	1.3	3.1	5.9
12/07/04	05:30:39	24.91	56.076	7.12	74	55.07	27.738	8.18	-101.7	1.3	3.0	5.8
12/07/04	06:00:39	24.90	56.066	7.12	76	54.89	27.612	8.17	-101.6	1.3	3.0	1394.4
12/07/04	06:30:40	24.80	55.997	7.07	74	54.87	27.599	8.18	-101.8	1.2	3.0	8.7
12/07/04	07:00:39	24.74	55.951	7.11	76	54.89	27.614	8.18	-102.0	1.2	3.2	5.8
12/07/04	07:30:39	24.69	55.927	7.10	74	55.12	27.770	8.18	-102.1	1.3	3.1	5.8
12/07/04	08:00:39	24.65	55.899	7.10	74	55.16	27.800	8.19	-102.2	1.2	2.9	5.9
12/07/04	08:30:39	24.43	55.756	7.10	74	55.13	27.776	8.19	-102.2	1.3	3.1	5.8
12/07/04	09:00:40	24.40	55.741	7.07	74	54.90	27.619	8.19	-102.4	1.2	3.0	6.1
12/07/04	09:30:39	24.44	55.767	7.09	74	55.00	27.685	8.19	-102.6	1.2	3.1	1392.4
12/07/04	10:00:39	24.41	55.748	7.10	74	54.97	27.665	8.19	-102.6	1.2	3.0	8.7
12/07/04	10:30:39	24.39	55.746	7.11	74	54.67	27.458	8.20	-102.8	1.2	3.0	1392.2
12/07/04	11:00:39	24.41	55.736	7.13	76	54.70	27.479	8.20	-103.0	1.2	3.0	1392.3
12/07/04	11:30:40	24.48	55.783	7.12	74	54.82	27.566	8.20	-103.0	1.2	3.0	1392.6
12/07/04	12:00:39	24.65	55.887	7.13	74	54.95	27.650	8.20	-103.1	1.1	3.0	1393.3
12/07/04	12:30:39	24.72	55.939	7.14	74	54.93	27.639	8.20	-103.1	1.1	2.8	5.9
12/07/04	13:00:39	24.75	55.954	7.11	74	54.78	27.537	8.20	-103.0	2.0	3.1	5.9
12/07/04	13:30:39	24.76	55.959	7.15	74	54.90	27.616	8.20	-102.9	4.5	3.0	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/07/04	14:00:40	24.76	55.967	7.18	76	54.93	27.637	8.20	-102.8	13.1	3.0	6.1
12/07/04	14:30:39	24.77	55.968	7.27	76	55.07	27.737	8.20	-102.7	26.8	3.1	5.9
12/07/04	15:00:39	24.77	55.968	7.41	74	55.09	27.751	8.19	-102.7	24.9	3.0	5.9
12/07/04	15:30:39	24.76	55.968	7.47	74	54.91	27.624	8.20	-102.7	49.9	3.0	5.9
12/07/04	16:00:39	24.78	55.981	7.51	76	55.30	27.896	8.19	-102.7	39.6	3.0	6.0
12/07/04	16:30:39	24.77	55.982	7.55	74	55.19	27.820	8.20	-102.8	52.8	3.0	6.1
12/07/04	17:00:39	24.74	55.967	7.64	74	55.05	27.722	8.20	-102.8	79.6	2.9	1393.8
12/07/04	17:30:39	24.71	55.950	7.72	74	54.93	27.639	8.20	-102.8	92.4	3.0	1393.6
12/07/04	18:00:39	24.71	55.937	7.77	76	55.17	27.803	8.20	-103.0	92.3	3.1	6.1
12/07/04	18:30:39	24.70	55.935	7.80	74	55.29	27.888	8.20	-102.7	93.3	3.0	6.0
12/07/04	19:00:39	24.71	55.948	7.78	74	55.17	27.803	8.20	-103.0	88.6	3.0	1393.6
12/07/04	19:30:39	24.75	55.984	7.79	74	55.30	27.893	8.20	-103.0	90.5	2.9	8.6
12/07/04	20:00:39	24.77	55.994	7.77	73	55.32	27.904	8.20	-102.9	54.4	3.0	1393.9
12/07/04	20:30:39	24.79	56.011	7.71	73	55.32	27.908	8.20	-103.1	83.8	3.1	8.4
12/07/04	21:00:39	24.83	56.030	7.69	73	55.46	28.000	8.20	-103.0	50.3	2.9	6.0
12/07/04	21:30:39	24.82	56.009	7.60	74	55.31	27.900	8.20	-102.9	27.9	3.0	6.1
12/07/04	22:00:39	24.77	55.960	7.54	74	55.16	27.798	8.20	-103.0	25.3	3.1	5.9
12/07/04	22:30:39	24.70	55.923	7.46	74	55.27	27.874	8.20	-103.0	11.7	3.0	5.9
12/07/04	23:00:39	24.64	55.898	7.39	73	55.17	27.807	8.20	-103.0	5.1	3.1	6.1
12/07/04	23:30:39	24.61	55.870	7.29	73	55.11	27.763	8.20	-103.3	1.5	3.0	1393.1
12/08/04	00:00:39	24.61	55.871	7.25	74	55.39	27.956	8.21	-103.5	1.2	3.1	8.7
12/08/04	00:30:39	24.61	55.868	7.19	74	55.44	27.990	8.21	-103.4	1.3	3.0	6.0
12/08/04	01:00:39	24.45	55.788	7.10	73	55.32	27.909	8.20	-103.2	1.3	3.1	6.3
12/08/04	01:30:39	24.63	55.919	7.14	74	55.33	27.917	8.21	-103.5	1.2	3.0	5.9
12/08/04	02:00:39	24.72	55.974	7.12	74	55.35	27.928	8.21	-103.6	1.2	3.0	1393.6
12/08/04	02:30:39	24.75	55.992	7.12	74	55.40	27.962	8.21	-103.6	1.2	3.0	1393.8
12/08/04	03:00:39	24.77	55.993	7.14	73	55.44	27.986	8.21	-103.7	1.3	3.0	6.1
12/08/04	03:30:39	24.75	55.986	7.10	73	55.31	27.898	8.21	-103.7	1.3	3.0	5.9
12/08/04	04:00:39	24.72	55.965	7.11	73	55.44	27.988	8.21	-103.7	1.3	3.0	5.9
12/08/04	04:30:39	24.72	55.947	7.09	73	55.38	27.952	8.21	-103.8	1.2	3.0	1393.6
12/08/04	05:00:39	24.68	55.914	7.13	73	55.30	27.893	8.22	-103.8	1.3	3.1	8.4
12/08/04	05:30:39	24.50	55.742	7.15	73	55.23	27.845	8.22	-103.8	1.2	3.0	6.0
12/08/04	06:00:39	24.37	55.614	7.23	73	55.13	27.777	8.22	-104.0	1.3	3.0	1392.1
12/08/04	06:30:39	24.32	55.571	7.24	73	55.27	27.877	8.22	-104.1	1.2	3.0	1391.9
12/08/04	07:00:40	24.27	55.556	7.23	73	55.08	27.743	8.22	-104.1	1.3	3.1	6.1
12/08/04	07:30:39	24.29	55.587	7.16	73	55.17	27.804	8.22	-104.0	1.2	2.9	6.1
12/08/04	08:00:39	24.35	55.632	7.17	73	55.05	27.722	8.22	-104.1	1.2	3.0	1392.0
12/08/04	08:30:39	24.33	55.619	7.16	74	54.89	27.612	8.22	-104.1	1.2	3.1	8.7
12/08/04	09:00:39	24.39	55.676	7.14	74	54.94	27.648	8.22	-104.2	1.3	3.0	1392.2
12/08/04	09:30:40	24.36	55.658	7.14	73	55.00	27.692	8.22	-104.2	1.4	3.1	1392.0
12/08/04	10:00:39	24.38	55.689	7.15	73	54.84	27.576	8.22	-104.2	1.3	3.0	6.0
12/08/04	10:30:39	24.29	55.628	7.16	73	54.94	27.649	8.22	-104.2	1.2	3.0	6.1
12/08/04	11:00:39	24.24	55.614	7.16	74	54.88	27.607	8.23	-104.3	1.3	3.1	6.1
12/08/04	11:30:39	24.25	55.624	7.15	74	54.86	27.588	8.22	-104.3	1.3	3.2	6.5
12/08/04	12:00:40	24.24	55.634	7.12	74	54.79	27.544	8.22	-104.2	1.2	3.1	6.1
12/08/04	12:30:39	24.24	55.640	7.12	73	54.75	27.513	8.14	-99.4	1.2	3.0	6.2
12/08/04	13:00:39	24.24	55.656	7.09	74	54.82	27.561	8.12	-98.4	2.2	2.9	6.1
12/08/04	13:30:39	24.25	55.662	7.16	73	54.85	27.583	8.12	-98.4	6.2	3.1	1391.6
12/08/04	14:00:39	24.25	55.661	7.18	73	54.86	27.592	8.20	-103.0	10.6	3.0	8.7
12/08/04	14:30:40	24.26	55.659	7.22	73	55.02	27.698	8.21	-103.5	18.1	2.9	6.2
12/08/04	15:00:39	24.25	55.667	7.26	73	55.04	27.716	8.21	-103.5	19.8	3.1	1391.6
12/08/04	15:30:39	24.25	55.654	7.33	74	55.21	27.831	8.21	-103.5	19.2	3.1	1391.6
12/08/04	16:00:39	24.24	55.657	7.34	73	55.08	27.745	8.21	-103.4	21.8	3.1	6.9
12/08/04	16:30:39	24.24	55.648	7.42	74	55.17	27.804	8.21	-103.4	34.5	3.1	6.2
12/08/04	17:00:40	24.24	55.640	7.51	74	55.23	27.847	8.21	-103.5	47.4	3.0	6.5
12/08/04	17:30:39	24.24	55.639	7.56	73	55.24	27.851	8.21	-103.5	44.2	3.0	6.2
12/08/04	18:00:39	24.23	55.627	7.61	73	55.27	27.871	8.21	-103.5	43.7	3.0	6.2
12/08/04	18:30:39	24.24	55.625	7.64	73	55.38	27.948	8.21	-103.5	49.1	3.1	6.3
12/08/04	19:00:39	24.27	55.648	7.67	74	55.25	27.857	8.21	-103.5	61.6	2.9	6.2
12/08/04	19:30:40	24.28	55.672	7.66	73	55.38	27.952	8.21	-103.3	51.8	3.0	6.1
12/08/04	20:00:39	24.28	55.676	7.64	73	55.35	27.926	8.21	-103.3	46.3	3.0	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/08/04	20:30:39	24.27	55.666	7.58	73	55.25	27.856	8.21	-103.3	33.9	3.0	1391.7
12/08/04	21:00:39	24.25	55.608	7.58	73	55.35	27.928	8.21	-103.3	25.7	3.0	1391.6
12/08/04	21:30:39	24.25	55.619	7.53	73	55.23	27.847	8.20	-103.1	14.8	3.0	6.2
12/08/04	22:00:40	24.26	55.629	7.46	73	55.19	27.817	8.20	-103.0	15.3	3.1	6.2
12/08/04	22:30:39	24.27	55.615	7.43	73	55.34	27.919	8.20	-103.1	7.5	3.0	6.2
12/08/04	23:00:39	24.27	55.605	7.35	73	55.29	27.885	8.21	-103.2	3.3	3.0	1391.7
12/08/04	23:30:39	24.29	55.628	7.30	73	55.34	27.924	8.21	-103.2	1.3	2.9	1391.7
12/09/04	00:00:39	24.32	55.673	7.23	73	55.41	27.971	8.20	-102.9	1.3	3.1	6.2
12/09/04	00:30:40	24.32	55.700	7.14	73	55.39	27.953	8.20	-102.7	1.2	3.0	6.1
12/09/04	01:00:39	24.45	55.797	7.16	73	55.31	27.900	8.20	-103.1	1.3	3.0	1392.4
12/09/04	01:30:39	24.57	55.864	7.17	73	55.30	27.892	8.20	-103.1	1.3	3.0	8.5
12/09/04	02:00:39	24.52	55.811	7.19	73	55.21	27.832	8.20	-103.1	1.2	3.0	1392.8
12/09/04	02:30:39	24.54	55.814	7.18	73	55.32	27.910	8.20	-103.1	1.2	3.0	1392.8
12/09/04	03:00:39	24.48	55.767	7.17	73	55.31	27.898	8.20	-103.1	1.3	3.0	6.1
12/09/04	03:30:39	24.43	55.726	7.18	73	55.15	27.792	8.20	-103.1	1.3	3.0	1392.3
12/09/04	04:00:39	24.41	55.729	7.15	73	55.23	27.848	8.20	-102.9	1.3	3.0	8.6
12/09/04	04:30:39	24.38	55.695	7.19	73	55.11	27.760	8.20	-102.8	1.1	2.9	1392.2
12/09/04	05:00:39	24.37	55.692	7.18	73	55.15	27.789	8.19	-102.7	1.3	3.1	8.7
12/09/04	05:30:39	24.36	55.674	7.15	73	55.10	27.758	8.19	-102.6	1.3	3.1	1392.0
12/09/04	06:00:39	24.35	55.684	7.17	73	54.96	27.658	8.20	-102.7	1.2	2.9	8.4
12/09/04	06:30:39	24.40	55.727	7.09	73	55.03	27.707	8.20	-102.7	1.3	3.0	6.2
12/09/04	07:00:39	24.42	55.727	7.11	73	55.01	27.697	8.20	-103.0	1.3	3.2	5.9
12/09/04	07:30:39	24.51	55.781	7.10	73	54.88	27.605	8.20	-103.1	1.2	3.0	1392.7
12/09/04	08:00:39	24.51	55.771	7.15	74	54.83	27.572	8.20	-103.1	1.2	3.0	8.7
12/09/04	08:30:39	24.50	55.754	7.16	73	54.60	27.414	8.20	-103.1	1.2	3.0	1392.7
12/09/04	09:00:39	24.54	55.777	7.16	73	54.81	27.560	8.20	-102.9	1.2	3.1	1392.8
12/09/04	09:30:39	24.56	55.793	7.13	73	54.75	27.519	8.20	-102.7	1.3	3.0	6.1
12/09/04	10:00:40	24.55	55.774	7.14	73	54.76	27.526	8.19	-102.5	1.2	3.0	5.9
12/09/04	10:30:39	24.56	55.788	7.15	73	54.54	27.375	8.18	-101.8	1.2	3.0	1393.0
12/09/04	11:00:39	24.57	55.789	7.14	73	54.55	27.378	8.17	-101.4	1.3	3.0	8.4
12/09/04	11:30:39	24.56	55.789	7.11	73	54.52	27.358	8.17	-101.3	1.2	3.1	6.1
12/09/04	12:00:39	24.52	55.761	7.12	73	54.58	27.398	8.17	-101.4	1.2	3.0	6.0
12/09/04	12:30:40	24.54	55.774	7.09	73	54.69	27.474	8.17	-101.5	1.3	3.0	6.0
12/09/04	13:00:39	24.50	55.757	7.12	73	54.72	27.498	8.18	-101.7	2.0	3.0	1392.7
12/09/04	13:30:39	24.45	55.723	7.17	73	54.68	27.467	8.18	-101.9	5.8	3.1	1392.5
12/09/04	14:00:39	24.43	55.711	7.19	73	54.71	27.489	8.18	-101.9	9.6	2.8	6.1
12/09/04	14:30:39	24.47	55.721	7.26	73	54.78	27.540	8.18	-101.7	24.8	3.0	6.2
12/09/04	15:00:40	24.44	55.693	7.40	73	54.86	27.595	8.17	-101.4	30.2	3.0	6.0
12/09/04	15:30:39	24.47	55.695	7.44	73	54.96	27.662	8.17	-101.2	29.4	3.0	6.0
12/09/04	16:00:39	24.49	55.692	7.45	73	55.21	27.833	8.17	-101.2	25.3	3.1	6.0
12/09/04	16:30:39	24.38	55.588	7.53	73	55.29	27.890	8.16	-101.0	42.7	3.0	5.9
12/09/04	17:00:39	24.29	55.508	7.60	73	55.28	27.885	8.16	-100.5	39.0	3.1	5.9
12/09/04	17:30:40	24.27	55.521	7.62	73	55.25	27.862	8.15	-100.2	58.9	3.0	6.0
12/09/04	18:00:39	24.37	55.626	7.63	73	55.45	28.001	8.16	-100.6	70.2	3.0	1392.0
12/09/04	18:30:39	24.44	55.700	7.66	73	55.31	27.903	8.17	-101.4	62.1	3.0	1392.4
12/09/04	19:00:39	24.47	55.734	7.63	73	55.38	27.952	8.18	-102.1	58.2	2.9	6.1
12/09/04	19:30:39	24.48	55.802	7.61	73	55.39	27.954	8.19	-102.6	45.7	3.0	1392.6
12/09/04	20:00:40	24.52	55.823	7.60	73	55.41	27.967	8.20	-102.9	49.7	3.1	8.9
12/09/04	20:30:39	24.51	55.813	7.57	73	55.50	28.029	8.20	-103.0	33.9	3.1	6.1
12/09/04	21:00:39	24.47	55.763	7.61	73	55.47	28.012	8.20	-103.1	40.3	3.0	1392.6
12/09/04	21:30:39	24.49	55.761	7.59	73	55.49	28.025	8.20	-103.1	31.2	3.0	8.9
12/09/04	22:00:39	24.38	55.661	7.55	73	55.44	27.992	8.20	-103.1	17.6	3.0	1392.2
12/09/04	22:30:39	24.35	55.664	7.46	73	55.40	27.965	8.21	-103.2	9.9	3.0	8.6
12/09/04	23:00:39	24.36	55.685	7.37	73	55.46	28.007	8.21	-103.3	4.5	3.1	6.0
12/09/04	23:30:39	24.40	55.706	7.30	73	55.43	27.986	8.21	-103.5	1.4	2.9	6.1
12/10/04	00:00:39	24.47	55.769	7.21	73	55.34	27.922	8.21	-103.5	1.3	3.1	6.1
12/10/04	00:30:39	24.48	55.770	7.20	73	55.33	27.916	8.21	-103.5	1.2	3.1	5.9
12/10/04	01:00:39	24.49	55.791	7.18	73	55.41	27.968	8.21	-103.6	1.3	3.0	5.9
12/10/04	01:30:39	24.47	55.762	7.17	73	55.38	27.947	8.21	-103.7	1.2	3.0	1392.5
12/10/04	02:00:39	24.47	55.744	7.19	73	55.39	27.954	8.21	-103.8	1.2	3.0	8.9
12/10/04	02:30:39	24.50	55.762	7.18	73	55.29	27.884	8.22	-103.8	1.2	2.9	1392.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/10/04	03:00:39	24.51	55.762	7.15	73	55.26	27.867	8.22	-103.8	1.1	3.0	1392.7
12/10/04	03:30:39	24.63	55.844	7.13	73	55.22	27.836	8.22	-103.9	1.1	3.0	6.1
12/10/04	04:00:39	24.83	56.007	7.08	73	55.28	27.883	8.22	-103.9	1.3	3.0	5.9
12/10/04	04:30:39	24.64	55.870	7.09	73	55.23	27.845	8.21	-103.6	1.3	3.1	1393.3
12/10/04	05:00:39	24.50	55.748	7.14	73	55.16	27.797	8.21	-103.8	1.2	2.9	1392.7
12/10/04	05:30:40	24.45	55.701	7.16	73	55.12	27.773	8.22	-103.8	1.3	2.8	8.7
12/10/04	06:00:39	24.50	55.709	7.15	73	55.12	27.774	8.22	-103.9	1.1	2.9	1392.7
12/10/04	06:30:39	24.38	55.608	7.16	73	55.03	27.710	8.22	-103.9	1.2	2.9	1392.2
12/10/04	07:00:39	24.26	55.509	7.21	73	54.99	27.682	8.22	-103.9	1.2	3.0	6.1
12/10/04	07:30:39	24.23	55.478	7.20	73	54.99	27.686	8.22	-103.8	1.2	3.1	1391.5
12/10/04	08:00:40	24.26	55.520	7.16	73	54.81	27.558	8.22	-103.8	1.2	3.0	1391.6
12/10/04	08:30:39	24.27	55.538	7.14	73	54.71	27.489	8.22	-103.8	1.2	3.0	6.2
12/10/04	09:00:39	24.31	55.584	7.07	73	54.66	27.459	8.21	-103.7	1.2	3.0	1391.8
12/10/04	09:30:39	24.30	55.599	7.04	73	54.58	27.397	8.21	-103.7	1.3	3.1	1391.8
12/10/04	10:00:39	24.29	55.609	7.08	73	54.57	27.392	8.22	-103.8	1.2	3.0	6.1
12/10/04	10:30:40	24.30	55.619	7.01	73	54.50	27.342	8.22	-103.8	1.3	3.1	1391.8
12/10/04	11:00:39	24.36	55.703	7.03	73	54.47	27.327	8.22	-103.8	1.3	3.1	1392.0
12/10/04	11:30:39	24.40	55.731	7.02	73	54.41	27.279	8.22	-103.9	1.3	3.0	6.1
12/10/04	12:00:39	24.40	55.737	6.98	73	54.43	27.300	8.22	-103.8	1.2	3.1	6.1
12/10/04	12:30:39	24.33	55.723	7.00	73	54.35	27.242	8.22	-103.8	1.3	2.9	6.2
12/10/04	13:00:40	24.27	55.695	7.03	73	54.49	27.335	8.22	-103.9	2.4	3.0	5.9
12/10/04	13:30:39	24.27	55.686	7.08	73	54.42	27.289	8.22	-103.9	7.6	3.0	1391.7
12/10/04	14:00:39	24.30	55.701	7.15	73	54.52	27.358	8.22	-103.8	14.7	3.1	9.0
12/10/04	14:30:39	24.28	55.698	7.21	73	54.58	27.396	8.22	-103.8	24.2	3.0	1391.7
12/10/04	15:00:39	24.41	55.787	7.27	73	54.65	27.448	8.22	-104.0	34.4	2.9	1392.2
12/10/04	15:30:40	25.07	56.187	7.37	73	54.69	27.475	8.22	-104.5	49.4	3.0	5.9
12/10/04	16:00:39	25.14	56.270	7.44	73	54.83	27.570	8.22	-104.2	63.2	3.1	6.1
12/10/04	16:30:39	25.21	56.250	7.58	73	54.86	27.593	8.22	-104.1	74.5	3.1	5.9
12/10/04	17:00:39	25.23	56.249	7.63	73	54.94	27.644	8.22	-104.3	87.7	3.0	5.9
12/10/04	17:30:39	25.30	56.315	7.68	73	55.07	27.733	8.22	-104.1	100.4	2.9	6.0
12/10/04	18:00:39	25.25	56.305	7.67	73	55.16	27.799	8.21	-103.8	94.8	3.0	5.9
12/10/04	18:30:39	25.11	56.201	7.79	73	55.21	27.828	8.21	-103.8	95.4	2.9	6.0
12/10/04	19:00:39	25.25	56.286	7.72	73	55.28	27.880	8.22	-103.9	93.4	2.9	5.9
12/10/04	19:30:39	25.32	56.353	7.74	73	55.35	27.927	8.21	-103.8	90.2	3.1	1396.3
12/10/04	20:00:39	25.17	56.239	7.75	73	55.40	27.961	8.21	-103.6	74.5	3.0	1395.6
12/10/04	20:30:39	25.06	56.162	7.69	73	55.41	27.971	8.21	-103.4	57.5	3.0	6.1
12/10/04	21:00:39	24.97	56.106	7.63	73	55.44	27.992	8.21	-103.4	44.8	3.0	5.9
12/10/04	21:30:39	24.49	55.808	7.58	71	55.51	28.039	8.20	-103.1	29.9	3.0	1392.7
12/10/04	22:00:39	24.32	55.784	7.50	71	55.55	28.062	8.21	-103.2	20.4	3.0	1391.9
12/10/04	22:30:39	24.29	55.768	7.41	71	55.51	28.034	8.21	-103.5	10.4	3.1	6.1
12/10/04	23:00:39	24.25	55.662	7.37	71	55.49	28.025	8.21	-103.8	4.5	3.0	6.1
12/10/04	23:30:39	24.12	55.551	7.35	71	55.50	28.031	8.22	-103.9	1.5	3.0	1391.1
12/11/04	00:00:39	24.04	55.526	7.32	71	55.43	27.981	8.22	-104.2	1.2	3.1	1390.6
12/11/04	00:30:39	24.06	55.553	7.31	71	55.48	28.014	8.23	-104.2	1.2	3.1	6.3
12/11/04	01:00:40	24.09	55.571	7.30	71	55.35	27.930	8.23	-104.4	1.2	3.0	6.2
12/11/04	01:30:39	24.09	55.598	7.23	71	55.45	27.996	8.23	-104.3	1.2	3.0	6.1
12/11/04	02:00:39	24.15	55.653	7.19	71	55.38	27.945	8.23	-104.3	1.2	3.1	6.1
12/11/04	02:30:39	24.17	55.646	7.12	71	55.53	28.050	8.23	-104.3	1.2	3.0	1391.2
12/11/04	03:00:39	24.19	55.639	7.15	71	55.47	28.009	8.23	-104.3	1.2	3.1	1391.3
12/11/04	03:30:40	24.20	55.643	7.16	71	55.56	28.070	8.23	-104.4	1.2	2.9	6.2
12/11/04	04:00:39	24.15	55.560	7.21	71	55.33	27.917	8.23	-104.6	1.2	3.1	6.1
12/11/04	04:30:39	24.12	55.522	7.24	71	55.02	27.701	8.23	-104.6	1.1	3.0	6.1
12/11/04	05:00:39	24.21	55.598	7.18	71	55.10	27.757	8.23	-104.6	1.2	3.1	6.1
12/11/04	05:30:39	24.34	55.682	7.16	71	55.16	27.799	8.23	-104.7	1.2	3.0	1392.0
12/11/04	06:00:40	24.30	55.619	7.14	71	55.38	27.949	8.23	-104.7	1.2	2.9	1391.7
12/11/04	06:30:39	24.20	55.576	7.18	71	55.50	28.035	8.23	-104.6	1.3	3.0	6.1
12/11/04	07:00:39	24.09	55.504	7.17	71	55.02	27.699	8.23	-104.5	1.3	2.9	6.0
12/11/04	07:30:39	24.07	55.515	7.11	71	55.24	27.850	8.23	-104.5	1.2	3.0	1390.8
12/11/04	08:00:39	24.03	55.490	7.16	71	54.65	27.445	8.23	-104.6	1.2	3.0	1390.6
12/11/04	08:30:40	24.02	55.470	7.16	71	54.82	27.563	8.23	-104.7	1.2	3.0	6.2
12/11/04	09:00:39	23.99	55.475	7.16	71	54.40	27.278	8.23	-104.7	1.2	3.0	1390.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/11/04	09:30:39	23.97	55.451	7.17	71	54.40	27.274	8.23	-104.7	1.2	3.0	1390.3
12/11/04	10:00:39	23.94	55.443	7.16	73	54.20	27.137	8.23	-104.7	1.2	3.0	6.1
12/11/04	10:30:39	23.93	55.437	7.16	71	54.38	27.259	8.23	-104.7	1.2	3.0	1390.2
12/11/04	11:00:40	23.93	55.443	7.10	71	54.47	27.324	8.23	-104.7	1.2	2.9	1390.1
12/11/04	11:30:39	23.93	55.454	7.11	70	54.27	27.186	8.23	-104.7	1.2	2.9	6.2
12/11/04	12:00:39	23.91	55.437	7.11	70	54.19	27.129	8.23	-104.7	1.3	3.1	6.1
12/11/04	12:30:39	23.89	55.433	7.05	70	54.34	27.238	8.23	-104.6	1.2	3.0	6.1
12/11/04	13:00:39	23.88	55.425	7.12	71	54.38	27.260	8.23	-104.7	2.1	3.0	1390.0
12/11/04	13:30:39	23.87	55.419	7.14	71	54.24	27.163	8.23	-104.6	6.6	3.0	9.2
12/11/04	14:00:39	23.85	55.402	7.20	71	54.27	27.186	8.23	-104.6	12.8	2.9	1389.8
12/11/04	14:30:39	23.85	55.395	7.26	71	54.37	27.256	8.23	-104.6	20.7	3.0	1389.8
12/11/04	15:00:39	23.87	55.403	7.34	71	54.42	27.292	8.23	-104.6	29.1	3.0	6.2
12/11/04	15:30:39	23.91	55.425	7.39	71	54.47	27.322	8.23	-104.6	41.6	3.1	6.1
12/11/04	16:00:39	23.93	55.444	7.48	73	54.48	27.329	8.23	-104.5	47.5	3.0	6.2
12/11/04	16:30:39	23.94	55.440	7.56	71	54.53	27.366	8.23	-104.6	55.8	3.0	6.1
12/11/04	17:00:39	23.94	55.435	7.65	71	54.69	27.475	8.23	-104.7	71.3	3.0	6.1
12/11/04	17:30:39	23.95	55.439	7.71	71	54.91	27.624	8.23	-104.5	74.4	3.0	1390.2
12/11/04	18:00:39	23.95	55.440	7.72	71	54.94	27.645	8.23	-104.6	73.5	3.0	1390.3
12/11/04	18:30:39	23.95	55.445	7.75	71	55.03	27.708	8.23	-104.6	69.5	2.9	6.1
12/11/04	19:00:39	23.94	55.446	7.77	71	55.15	27.791	8.23	-104.6	65.2	3.1	1390.3
12/11/04	19:30:39	23.95	55.451	7.82	71	55.20	27.825	8.23	-104.6	60.1	3.0	1390.3
12/11/04	20:00:39	23.94	55.453	7.75	70	55.21	27.833	8.23	-104.5	50.2	3.0	6.2
12/11/04	20:30:39	23.90	55.438	7.72	71	55.31	27.901	8.23	-104.5	39.9	3.0	6.3
12/11/04	21:00:39	23.92	55.469	7.64	70	55.44	27.990	8.23	-104.5	30.9	2.9	6.2
12/11/04	21:30:39	24.12	55.601	7.57	71	55.45	27.999	8.23	-104.6	24.4	3.0	6.2
12/11/04	22:00:39	24.03	55.533	7.55	71	55.40	27.963	8.23	-104.4	16.6	3.1	6.1
12/11/04	22:30:39	24.15	55.605	7.49	71	55.44	27.990	8.23	-104.6	10.7	2.9	1391.1
12/11/04	23:00:39	24.37	55.758	7.40	71	55.49	28.024	8.23	-104.7	4.8	2.9	1392.0
12/11/04	23:30:39	24.38	55.790	7.26	71	55.49	28.022	8.23	-104.6	1.5	3.0	6.1
12/12/04	00:00:39	24.34	55.798	7.23	71	55.48	28.014	8.23	-104.6	1.2	3.0	6.1
12/12/04	00:30:39	24.34	55.825	7.20	71	55.48	28.017	8.23	-104.6	1.3	3.1	1392.0
12/12/04	01:00:39	24.36	55.882	7.14	71	55.49	28.023	8.23	-104.6	1.1	3.0	1392.0
12/12/04	01:30:39	24.39	55.902	7.13	71	55.45	27.992	8.23	-104.6	1.2	3.0	5.9
12/12/04	02:00:39	24.39	55.916	7.14	70	55.45	27.993	8.23	-104.6	1.2	3.0	6.1
12/12/04	02:30:39	24.38	55.913	7.10	71	55.42	27.971	8.23	-104.6	1.1	3.0	6.0
12/12/04	03:00:39	24.35	55.910	7.03	71	55.42	27.973	8.23	-104.6	1.3	3.1	6.1
12/12/04	03:30:39	24.34	55.861	7.12	71	55.40	27.961	8.23	-104.7	1.2	2.9	5.9
12/12/04	04:00:40	24.34	55.852	7.11	70	55.36	27.936	8.23	-104.7	1.3	2.9	6.1
12/12/04	04:30:39	24.29	55.808	7.10	71	55.32	27.902	8.23	-104.7	1.3	3.1	1391.7
12/12/04	05:00:39	24.26	55.788	7.10	71	55.27	27.870	8.23	-104.7	1.2	3.0	1391.6
12/12/04	05:30:39	24.24	55.770	7.07	70	55.27	27.874	8.23	-104.7	1.1	3.0	6.1
12/12/04	06:00:39	24.22	55.755	7.07	71	55.21	27.828	8.23	-104.8	1.1	3.0	5.9
12/12/04	06:30:40	24.20	55.732	7.11	71	55.12	27.769	8.24	-104.9	1.2	3.0	6.1
12/12/04	07:00:39	24.14	55.666	7.04	70	55.09	27.746	8.23	-104.8	1.1	3.0	6.1
12/12/04	07:30:39	24.07	55.616	7.09	70	54.99	27.682	8.23	-104.7	1.3	3.0	6.0
12/12/04	08:00:39	24.04	55.599	7.12	70	54.93	27.638	8.23	-104.7	1.2	2.8	6.1
12/12/04	08:30:39	24.02	55.582	7.03	70	54.86	27.589	8.23	-104.7	1.2	3.0	6.0
12/12/04	09:00:40	24.01	55.571	7.04	71	54.79	27.542	8.23	-104.8	1.2	2.9	6.2
12/12/04	09:30:39	24.02	55.587	6.99	71	54.70	27.480	8.23	-104.7	1.2	3.0	6.1
12/12/04	10:00:39	23.99	55.556	6.99	70	54.60	27.413	8.23	-104.7	1.1	3.0	1390.5
12/12/04	10:30:39	23.93	55.528	6.95	71	54.53	27.365	8.23	-104.7	1.1	3.0	1390.1
12/12/04	11:00:39	23.89	55.501	6.96	71	54.45	27.308	8.23	-104.7	1.1	3.0	6.3
12/12/04	11:30:40	23.79	55.436	7.00	70	54.38	27.264	8.24	-104.8	1.1	3.0	1389.5
12/12/04	12:00:39	23.72	55.399	6.98	70	54.35	27.239	8.24	-104.8	1.2	3.0	1389.2
12/12/04	12:30:39	23.74	55.408	6.97	71	54.30	27.206	8.24	-104.8	1.2	3.0	1389.4
12/12/04	13:00:39	23.81	55.457	6.91	70	54.23	27.159	8.24	-104.9	2.1	2.9	6.2
12/12/04	13:30:39	23.79	55.443	7.07	70	54.24	27.166	8.24	-104.9	6.7	3.0	1389.5
12/12/04	14:00:40	23.75	55.407	7.09	70	54.24	27.164	8.24	-104.8	12.4	2.9	1389.4
12/12/04	14:30:39	23.72	55.402	7.03	70	54.28	27.191	8.23	-104.7	20.5	3.1	6.4
12/12/04	15:00:39	23.68	55.360	7.19	70	54.32	27.221	8.24	-104.7	26.2	3.0	6.1
12/12/04	15:30:39	23.65	55.333	7.30	71	54.38	27.264	8.24	-104.7	33.8	3.0	1388.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/12/04	16:00:39	23.64	55.317	7.39	70	54.47	27.321	8.24	-104.7	44.0	3.0	1388.9
12/12/04	16:30:40	23.63	55.312	7.44	70	54.55	27.382	8.24	-104.8	54.4	3.0	6.4
12/12/04	17:00:39	23.68	55.336	7.51	70	54.64	27.441	8.24	-104.8	65.4	2.9	6.7
12/12/04	17:30:39	23.97	55.526	7.30	71	54.73	27.500	8.23	-104.7	46.2	2.9	6.1
12/12/04	18:00:39	24.25	55.735	7.51	70	54.82	27.561	8.24	-104.9	76.8	2.9	6.2
12/12/04	18:30:39	24.56	55.954	7.53	71	54.94	27.642	8.23	-104.7	92.9	3.0	5.9
12/12/04	19:00:40	24.51	55.918	7.51	71	55.01	27.695	8.23	-104.5	77.2	2.9	1392.7
12/12/04	19:30:39	24.41	55.857	7.57	71	55.12	27.767	8.23	-104.5	70.7	3.0	1392.3
12/12/04	20:00:39	24.40	55.858	7.58	71	55.24	27.850	8.23	-104.4	63.6	2.9	1392.2
12/12/04	20:30:39	24.54	55.952	7.56	71	55.28	27.877	8.23	-104.5	53.6	3.1	6.2
12/12/04	21:00:39	24.56	55.970	7.56	71	55.36	27.934	8.22	-104.4	41.4	2.9	1393.0
12/12/04	21:30:40	24.54	55.947	7.52	71	55.53	28.050	8.22	-104.3	32.3	2.9	1392.8
12/12/04	22:00:39	24.51	55.933	7.42	70	55.43	27.979	8.22	-104.3	12.2	3.0	1392.7
12/12/04	22:30:39	24.40	55.874	7.43	71	55.53	28.052	8.23	-104.4	8.6	3.0	6.2
12/12/04	23:00:39	24.38	55.858	7.34	70	55.64	28.123	8.23	-104.4	4.4	2.9	1392.2
12/12/04	23:30:39	24.39	55.857	7.33	70	55.58	28.087	8.23	-104.6	1.4	3.0	1392.2
12/13/04	00:00:40	24.39	55.850	7.27	70	55.67	28.143	8.23	-104.6	1.2	2.9	6.2
12/13/04	00:30:39	24.36	55.857	7.05	70	55.70	28.167	8.23	-104.6	1.2	3.0	6.0
12/13/04	01:00:39	24.26	55.798	7.12	70	55.51	28.038	8.23	-104.5	1.2	2.9	1391.6
12/13/04	01:30:39	24.24	55.784	7.14	70	55.67	28.142	8.23	-104.6	1.1	2.9	1391.6
12/13/04	02:00:39	24.23	55.777	7.10	70	55.73	28.184	8.23	-104.6	1.2	3.0	1391.5
12/13/04	02:30:39	24.20	55.782	7.02	70	55.74	28.196	8.23	-104.6	1.2	3.0	6.2
12/13/04	03:00:39	24.22	55.828	7.04	70	55.59	28.094	8.23	-104.7	1.2	2.9	6.1
12/13/04	03:30:39	24.23	55.848	7.05	70	55.58	28.084	8.23	-104.7	1.3	3.1	6.0
12/13/04	04:00:39	24.28	55.875	7.05	71	55.63	28.121	8.23	-104.7	1.2	3.1	6.1
12/13/04	04:30:39	24.31	55.911	7.00	70	55.45	27.994	8.23	-104.7	1.2	3.0	6.0
12/13/04	05:00:39	24.36	55.927	7.06	70	55.65	28.134	8.23	-104.8	1.1	2.9	6.1
12/13/04	05:30:39	24.31	55.889	7.03	70	55.35	27.928	8.23	-104.7	1.2	2.9	6.2
12/13/04	06:00:39	24.36	55.944	6.97	70	55.35	27.921	8.23	-104.7	1.1	3.0	1392.0
12/13/04	06:30:39	24.47	55.997	6.95	70	55.42	27.976	8.23	-104.8	1.2	3.0	1392.5
12/13/04	07:00:39	24.36	55.908	6.97	70	55.30	27.889	8.23	-104.7	1.2	3.0	1392.0
12/13/04	07:30:39	24.37	55.904	7.07	70	55.13	27.773	8.23	-104.9	1.2	3.0	6.3
12/13/04	08:00:39	24.31	55.854	7.01	70	55.08	27.737	8.23	-104.7	1.1	3.0	6.0
12/13/04	08:30:39	24.19	55.791	7.05	70	54.95	27.648	8.23	-104.6	1.3	3.0	6.1
12/13/04	09:00:39	24.11	55.741	7.03	70	54.94	27.645	8.23	-104.7	1.2	3.0	1390.9
12/13/04	09:30:40	24.08	55.722	6.91	70	54.95	27.650	8.23	-104.7	1.1	2.9	1390.8
12/13/04	10:00:39	24.03	55.727	6.97	70	54.54	27.365	8.23	-104.7	1.2	3.0	8.9
12/13/04	10:30:39	24.03	55.693	7.00	70	54.58	27.395	8.24	-104.8	1.2	3.0	6.2
12/13/04	11:00:39	24.00	55.685	6.97	70	54.53	27.365	8.23	-104.8	1.2	2.9	1390.5
12/13/04	11:30:39	23.99	55.673	7.03	69	54.67	27.461	8.24	-104.9	1.3	3.0	1390.4
12/13/04	12:00:40	24.00	55.671	7.02	70	54.23	27.154	8.24	-104.9	1.2	3.0	6.2
12/13/04	12:30:39	24.03	55.674	7.01	69	54.29	27.199	8.24	-105.0	1.1	2.9	6.1
12/13/04	13:00:39	24.04	55.688	7.02	69	54.34	27.231	8.24	-105.0	1.7	2.8	6.1
12/13/04	13:30:39	24.07	55.684	7.04	70	54.39	27.264	8.24	-105.0	4.8	2.9	5.9
12/13/04	14:00:39	24.06	55.661	7.03	70	54.02	27.011	8.24	-104.9	8.2	2.9	6.0
12/13/04	14:30:40	24.04	55.637	7.05	69	54.26	27.181	8.23	-104.8	26.0	3.0	6.1
12/13/04	15:00:39	24.03	55.630	7.08	69	54.10	27.069	8.23	-104.8	33.9	3.1	6.1
12/13/04	15:30:39	24.05	55.640	7.28	70	54.21	27.142	8.23	-104.7	44.3	3.0	6.2
12/13/04	16:00:39	24.08	55.653	7.30	70	54.32	27.220	8.23	-104.7	52.2	3.0	1390.8
12/13/04	16:30:39	24.11	55.669	7.38	70	54.29	27.202	8.23	-104.7	68.7	3.0	1390.9
12/13/04	17:00:40	24.13	55.674	7.30	70	54.28	27.190	8.23	-104.6	21.3	3.0	6.2
12/13/04	17:30:39	24.11	55.658	7.32	70	54.46	27.314	8.23	-104.6	26.5	3.0	1391.0
12/13/04	18:00:39	24.09	55.634	7.38	70	54.45	27.311	8.23	-104.7	91.7	3.0	1390.9
12/13/04	18:30:39	24.08	55.636	7.43	70	54.66	27.454	8.23	-104.7	43.5	2.9	6.2
12/13/04	19:00:39	24.07	55.625	7.27	70	54.65	27.445	8.23	-104.7	23.0	3.0	1390.8
12/13/04	19:30:40	24.06	55.619	7.33	70	54.76	27.523	8.23	-104.7	29.3	3.0	1390.8
12/13/04	20:00:39	24.06	55.618	7.39	70	54.89	27.612	8.23	-104.7	17.4	3.1	1390.8
12/13/04	20:30:39	24.04	55.608	7.33	70	54.84	27.579	8.23	-104.7	18.8	2.9	6.3
12/13/04	21:00:39	23.99	55.582	7.33	69	55.20	27.824	8.23	-104.7	13.3	3.0	6.2
12/13/04	21:30:39	23.98	55.573	7.27	69	55.11	27.762	8.24	-104.8	7.7	2.9	6.0
12/13/04	22:00:39	23.92	55.530	7.18	70	55.38	27.951	8.24	-104.8	9.1	3.0	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank

November 19, 2004 - February 23, 2005

Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/13/04	22:30:39	23.84	55.477	7.26	69	55.32	27.905	8.24	-104.9	6.3	3.1	6.2
12/13/04	23:00:39	23.80	55.448	7.25	69	55.41	27.967	8.24	-105.0	2.2	3.0	6.2
12/13/04	23:30:39	23.84	55.469	7.11	69	55.21	27.830	8.24	-105.0	1.3	3.0	6.1
12/14/04	00:00:39	23.88	55.525	7.02	70	55.27	27.875	8.24	-105.0	1.0	2.9	6.1
12/14/04	00:30:39	23.88	55.513	7.09	70	55.40	27.960	8.24	-105.1	1.2	2.9	1390.0
12/14/04	01:00:39	23.87	55.510	6.98	69	55.37	27.938	8.24	-105.1	1.2	3.0	1389.9
12/14/04	01:30:39	23.85	55.488	7.00	69	55.77	28.214	8.24	-105.2	1.1	3.0	6.5
12/14/04	02:00:39	23.83	55.471	6.98	70	55.40	27.958	8.24	-105.2	1.1	3.0	1389.7
12/14/04	02:30:39	23.85	55.497	6.99	70	55.36	27.937	8.24	-105.1	1.1	3.0	1389.8
12/14/04	03:00:39	23.93	55.548	7.01	69	55.91	28.309	8.24	-105.2	1.1	2.9	6.2
12/14/04	03:30:39	23.90	55.626	6.94	69	55.67	28.148	8.24	-104.9	1.3	2.9	1390.0
12/14/04	04:00:39	23.93	55.651	6.97	69	55.87	28.286	8.24	-104.9	1.2	2.9	1390.1
12/14/04	04:30:39	23.98	55.706	6.91	69	55.78	28.223	8.24	-104.9	1.2	3.0	6.2
12/14/04	05:00:40	23.96	55.681	6.93	70	55.49	28.023	8.24	-104.9	1.2	3.1	6.1
12/14/04	05:30:39	23.95	55.686	6.96	70	55.54	28.057	8.24	-105.0	1.2	2.9	9.0
12/14/04	06:00:39	23.97	55.753	6.89	69	55.86	28.273	8.24	-104.9	1.3	3.0	1390.3
12/14/04	06:30:39	24.12	55.883	6.91	70	55.37	27.938	8.24	-104.9	1.1	3.0	1390.9
12/14/04	07:00:39	24.15	55.874	6.91	69	55.77	28.210	8.24	-105.0	1.2	3.0	6.2
12/14/04	07:30:40	24.17	55.903	6.83	70	55.56	28.065	8.24	-104.9	1.4	3.0	6.3
12/14/04	08:00:39	24.21	55.942	6.84	69	55.27	27.869	8.24	-104.9	1.3	2.9	6.0
12/14/04	08:30:39	24.19	55.877	6.90	69	55.53	28.050	8.24	-105.0	1.2	3.1	1391.3
12/14/04	09:00:39	24.13	55.837	6.93	70	54.58	27.393	8.24	-105.1	1.2	3.0	1391.1
12/14/04	09:30:39	24.16	55.876	6.97	69	55.50	28.026	8.24	-105.2	1.1	3.1	1391.2
12/14/04	10:00:40	24.19	55.906	6.99	69	54.48	27.323	8.24	-105.2	1.2	3.0	6.1
12/14/04	10:30:39	24.21	55.934	6.95	69	54.71	27.487	8.24	-105.2	1.2	3.0	6.0
12/14/04	11:00:39	24.15	55.905	7.01	69	54.87	27.592	8.24	-105.1	1.3	3.1	6.1
12/14/04	11:30:39	24.13	55.910	6.98	69	54.42	27.288	8.24	-105.0	1.3	3.0	6.0
12/14/04	12:00:39	24.13	55.906	6.91	69	54.95	27.651	8.24	-105.0	1.2	2.9	5.9
12/14/04	12:30:40	24.16	55.929	6.95	69	54.73	27.495	8.24	-105.1	1.3	3.0	6.1
12/14/04	13:00:39	24.20	55.966	6.89	70	54.10	27.067	8.24	-105.0	2.0	2.9	6.1
12/14/04	13:30:39	24.17	55.955	6.96	69	54.81	27.549	8.24	-105.0	5.6	3.0	6.1
12/14/04	14:00:39	24.14	55.924	7.03	70	54.37	27.251	8.24	-104.9	10.6	3.0	6.1
12/14/04	14:30:39	24.23	55.960	7.11	70	54.27	27.179	8.24	-104.9	19.8	2.9	6.2
12/14/04	15:00:40	24.22	55.958	7.11	69	54.36	27.244	8.23	-104.7	34.2	3.0	6.1
12/14/04	15:30:39	24.03	55.823	7.28	69	54.34	27.229	8.23	-104.6	39.2	3.0	6.1
12/14/04	16:00:39	23.95	55.756	7.31	70	54.78	27.535	8.23	-104.6	49.2	2.9	6.1
12/14/04	16:30:39	23.79	55.627	7.41	69	54.39	27.266	8.23	-104.6	48.3	2.9	6.1
12/14/04	17:00:39	23.69	55.557	7.44	69	54.21	27.142	8.23	-104.6	69.8	2.9	6.2
12/14/04	17:30:40	23.66	55.542	7.49	69	54.33	27.221	8.23	-104.7	62.9	3.0	1389.0
12/14/04	18:00:39	23.66	55.533	7.52	69	54.15	27.098	8.24	-104.8	59.8	2.9	1389.0
12/14/04	18:30:39	23.67	55.551	7.52	69	54.37	27.251	8.23	-104.7	13.8	3.0	1389.1
12/14/04	19:00:39	23.68	55.557	7.55	69	54.18	27.124	8.24	-104.9	55.9	3.0	1389.1
12/14/04	19:30:39	23.68	55.569	7.62	69	54.83	27.565	8.24	-104.9	60.2	2.9	6.4
12/14/04	20:00:40	23.67	55.566	7.56	69	54.57	27.387	8.24	-104.8	50.2	3.0	1389.0
12/14/04	20:30:39	23.64	55.550	7.54	69	54.95	27.652	8.24	-104.7	11.5	2.9	1388.9
12/14/04	21:00:39	23.62	55.542	7.56	69	55.12	27.764	8.24	-104.8	35.9	3.0	6.3
12/14/04	21:30:39	23.64	55.588	7.45	69	55.08	27.737	8.23	-104.7	23.2	2.9	6.2
12/14/04	22:00:39	23.69	55.637	7.50	69	55.06	27.726	8.24	-104.8	9.5	3.0	1389.1
12/14/04	22:30:40	23.81	55.665	7.36	69	55.27	27.873	8.24	-105.0	8.5	3.0	1389.6
12/14/04	23:00:39	23.80	55.662	7.32	69	55.25	27.854	8.24	-104.9	3.9	3.0	6.2
12/14/04	23:30:39	23.73	55.712	7.27	69	55.57	28.071	8.24	-104.9	1.4	3.0	1389.3
12/15/04	00:00:39	23.72	55.735	7.18	69	55.37	27.937	8.24	-104.9	1.2	3.0	1389.2
12/15/04	00:30:39	23.66	55.759	7.18	69	55.43	27.974	8.24	-104.8	1.1	2.8	6.2
12/15/04	01:00:40	23.72	55.739	7.15	69	55.43	27.979	8.24	-105.0	1.2	2.9	6.2
12/15/04	01:30:39	23.77	55.762	7.13	69	55.54	28.053	8.24	-105.1	1.2	3.0	6.1
12/15/04	02:00:39	23.84	55.773	7.03	69	55.68	28.146	8.24	-105.2	1.2	3.0	6.1
12/15/04	02:30:39	23.79	55.715	7.13	69	55.50	28.028	8.25	-105.3	1.2	2.9	6.0
12/15/04	03:00:39	23.74	55.676	7.12	69	55.55	28.064	8.24	-105.2	1.2	3.0	6.1
12/15/04	03:30:40	23.71	55.663	7.08	69	55.63	28.114	8.24	-105.0	1.3	3.0	1389.2
12/15/04	04:00:39	23.65	55.646	7.02	69	55.47	28.008	8.24	-104.9	1.2	3.0	1389.0
12/15/04	04:30:39	23.60	55.654	7.09	69	55.55	28.057	8.24	-104.9	1.2	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/15/04	05:00:39	23.59	55.669	6.99	69	55.56	28.064	8.24	-104.9	1.2	2.9	1388.6
12/15/04	05:30:39	23.58	55.666	7.05	69	55.50	28.027	8.24	-105.0	1.2	3.0	1388.6
12/15/04	06:00:40	23.63	55.686	7.04	69	55.55	28.061	8.24	-105.1	1.2	3.0	6.3
12/15/04	06:30:39	23.60	55.684	7.04	69	55.49	28.021	8.24	-105.0	1.2	2.9	6.4
12/15/04	07:00:39	23.63	55.733	7.04	69	55.35	27.922	8.24	-105.0	1.2	2.9	6.0
12/15/04	07:30:39	23.67	55.759	7.01	69	55.41	27.961	8.24	-105.1	1.1	2.9	6.1
12/15/04	08:00:39	23.69	55.747	7.07	69	55.41	27.960	8.24	-105.2	1.2	3.0	6.2
12/15/04	08:30:39	23.64	55.708	7.08	69	55.31	27.898	8.24	-105.2	1.1	2.9	6.1
12/15/04	09:00:39	23.67	55.711	7.04	69	55.20	27.818	8.24	-105.2	1.3	2.9	6.0
12/15/04	09:30:39	23.67	55.696	7.02	69	55.22	27.832	8.24	-105.2	1.2	3.0	6.0
12/15/04	10:00:39	23.54	55.638	6.91	69	55.09	27.742	8.24	-105.1	1.2	2.9	6.4
12/15/04	10:30:39	23.47	55.621	7.05	69	55.09	27.745	8.24	-105.0	1.1	2.9	1388.1
12/15/04	11:00:39	23.46	55.618	6.92	69	55.02	27.695	8.24	-105.1	1.1	3.0	1388.1
12/15/04	11:30:39	23.47	55.613	7.04	69	54.90	27.615	8.24	-105.0	1.2	2.9	1388.1
12/15/04	12:00:39	23.48	55.626	7.02	69	54.85	27.582	8.24	-105.1	1.2	2.9	1388.2
12/15/04	12:30:39	23.48	55.587	7.04	69	54.71	27.485	8.25	-105.3	1.2	3.0	6.7
12/15/04	13:00:39	23.46	55.518	7.06	69	54.77	27.524	8.25	-105.4	1.3	3.0	6.1
12/15/04	13:30:39	23.46	55.513	7.10	69	54.51	27.347	8.25	-105.3	2.4	2.9	6.1
12/15/04	14:00:39	23.50	55.571	7.02	69	54.52	27.355	8.24	-105.2	2.7	3.0	6.1
12/15/04	14:30:39	23.55	55.603	7.06	69	54.42	27.287	8.25	-105.3	6.4	3.1	6.1
12/15/04	15:00:39	23.57	55.617	6.94	69	54.48	27.323	8.25	-105.3	5.7	3.0	6.2
12/15/04	15:30:40	23.60	55.653	7.11	69	54.40	27.267	8.24	-105.2	6.0	2.8	1388.7
12/15/04	16:00:39	23.65	55.688	7.04	69	54.44	27.297	8.25	-105.3	11.2	2.8	1388.9
12/15/04	16:30:39	23.65	55.685	7.16	69	54.45	27.304	8.24	-105.2	20.2	2.8	1388.9
12/15/04	17:00:39	23.66	55.691	7.18	69	54.35	27.235	8.24	-105.2	15.8	3.0	1388.9
12/15/04	17:30:39	23.70	55.740	7.12	69	54.39	27.261	8.24	-105.1	10.8	3.0	1389.1
12/15/04	18:00:40	23.72	55.787	7.15	69	54.36	27.242	8.24	-105.0	7.9	2.9	1389.2
12/15/04	18:30:39	23.70	55.779	7.16	69	54.52	27.353	8.24	-105.0	11.3	3.0	1389.1
12/15/04	19:00:39	23.67	55.689	7.12	69	54.59	27.403	8.24	-105.0	8.3	3.0	6.4
12/15/04	19:30:39	23.65	55.709	7.11	69	54.62	27.422	8.24	-105.0	6.5	3.0	6.1
12/15/04	20:00:39	23.62	55.735	7.03	69	54.64	27.434	8.24	-104.9	10.1	3.0	6.2
12/15/04	20:30:40	23.68	55.800	7.04	69	54.78	27.530	8.24	-104.9	13.2	3.0	6.3
12/15/04	21:00:39	23.73	55.880	7.04	69	54.84	27.567	8.24	-104.8	6.0	3.0	1389.3
12/15/04	21:30:39	23.88	56.007	6.85	69	54.92	27.626	8.24	-104.9	4.4	3.0	1389.9
12/15/04	22:00:39	23.98	56.081	7.06	69	55.06	27.720	8.24	-105.0	4.4	3.1	6.4
12/15/04	22:30:39	24.03	56.098	7.02	69	55.24	27.845	8.24	-105.1	2.3	2.9	6.2
12/15/04	23:00:40	24.07	56.131	7.03	69	55.21	27.826	8.24	-105.2	1.3	2.9	1390.8
12/15/04	23:30:39	24.07	56.111	7.11	69	55.30	27.887	8.24	-105.3	1.2	2.9	1390.8
12/16/04	00:00:39	24.46	56.339	7.05	69	55.39	27.947	8.25	-105.7	1.2	3.1	1392.4
12/16/04	00:30:39	24.45	56.337	7.11	69	55.43	27.972	8.25	-105.5	1.1	2.9	1392.5
12/16/04	01:00:39	24.40	56.310	7.07	69	55.63	28.108	8.24	-105.4	1.1	2.9	9.8
12/16/04	01:30:40	24.46	56.331	7.07	69	55.58	28.078	8.25	-105.6	1.1	2.9	6.1
12/16/04	02:00:39	24.49	56.336	7.01	69	55.65	28.126	8.25	-105.6	1.2	3.0	6.1
12/16/04	02:30:39	24.55	56.337	6.98	69	55.49	28.017	8.25	-105.6	1.2	3.0	6.1
12/16/04	03:00:39	24.52	56.323	6.97	69	55.63	28.110	8.24	-105.5	1.0	3.0	6.0
12/16/04	03:30:39	24.49	56.311	7.00	69	55.57	28.071	8.24	-105.3	1.2	2.9	6.1
12/16/04	04:00:39	24.49	56.319	6.97	69	55.59	28.085	8.24	-105.4	1.3	2.9	1392.6
12/16/04	04:30:39	24.45	56.306	6.98	69	55.71	28.169	8.24	-105.3	1.2	3.0	1392.5
12/16/04	05:00:39	24.44	56.321	6.98	69	55.50	28.024	8.24	-105.3	1.1	3.0	1392.4
12/16/04	05:30:39	24.44	56.325	7.01	69	55.59	28.087	8.24	-105.3	1.2	3.0	6.2
12/16/04	06:00:39	24.43	56.329	6.98	69	55.68	28.145	8.24	-105.2	1.2	3.0	6.1
12/16/04	06:30:39	24.40	56.317	6.85	69	55.50	28.021	8.24	-105.2	1.2	2.9	6.1
12/16/04	07:00:39	24.43	56.325	6.95	69	55.37	27.934	8.24	-105.3	1.3	2.9	6.1
12/16/04	07:30:39	24.34	56.280	6.94	69	55.52	28.033	8.24	-105.2	1.1	3.0	6.1
12/16/04	08:00:39	24.32	56.263	6.99	69	55.48	28.009	8.24	-105.2	1.1	2.9	6.2
12/16/04	08:30:39	24.30	56.307	6.99	69	55.68	28.143	8.24	-105.2	1.2	3.1	6.2
12/16/04	09:00:39	24.33	56.308	6.85	69	55.47	28.001	8.24	-105.1	1.2	2.9	6.5
12/16/04	09:30:39	24.46	56.377	6.94	69	55.39	27.948	8.24	-105.2	1.2	2.8	6.1
12/16/04	10:00:39	24.45	56.376	6.92	69	55.39	27.944	8.24	-105.2	1.2	3.0	6.1
12/16/04	10:30:39	24.40	56.391	6.95	69	55.26	27.858	8.24	-105.0	1.2	3.0	5.9
12/16/04	11:00:39	24.46	56.401	6.94	69	55.28	27.871	8.24	-105.2	1.2	2.9	6.0

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
12/16/04	11:30:39	24.44	56.394	7.03	69	55.13	27.767	8.24	-105.2	1.3	3.0	6.1
12/16/04	12:00:39	24.39	56.379	6.83	69	55.09	27.741	8.24	-105.1	1.2	2.8	6.1
12/16/04	12:30:39	24.38	56.396	6.92	69	55.03	27.701	8.24	-105.1	1.1	2.9	6.1
12/16/04	13:00:39	24.33	56.371	6.91	69	55.00	27.677	8.24	-104.9	1.4	3.0	6.1
12/16/04	13:30:39	24.00	56.166	7.01	69	54.87	27.585	8.23	-104.6	5.6	3.0	6.1
12/16/04	14:00:39	23.77	56.016	7.00	69	54.74	27.496	8.23	-104.4	7.5	3.0	6.2
12/16/04	14:30:39	23.93	56.105	7.06	69	54.81	27.550	8.23	-104.7	11.6	3.0	6.1
12/16/04	15:00:39	23.89	56.096	7.12	69	54.74	27.502	8.23	-104.6	15.8	2.9	6.1
12/16/04	15:30:39	23.97	56.131	7.15	69	54.72	27.489	8.23	-104.7	17.2	2.9	6.1
12/16/04	16:00:39	23.96	56.139	7.24	69	54.80	27.540	8.23	-104.7	21.0	3.0	6.1
12/16/04	16:30:39	23.87	56.062	7.27	69	54.75	27.509	8.23	-104.6	11.0	2.9	6.1
12/16/04	17:00:39	23.62	55.923	7.25	67	54.59	27.397	8.23	-104.6	21.6	2.9	6.2
12/16/04	17:30:39	23.58	55.914	7.25	69	54.55	27.367	8.23	-104.6	15.6	3.0	6.2
12/16/04	18:00:39	23.57	55.903	7.30	69	54.68	27.458	8.23	-104.7	8.2	3.0	6.1
12/16/04	18:30:40	23.58	55.902	7.29	69	54.87	27.589	8.24	-104.7	26.2	2.9	6.1
12/16/04	19:00:39	23.61	55.923	7.26	69	54.78	27.528	8.23	-104.6	7.8	2.9	6.2
12/16/04	19:30:39	23.64	55.952	7.22	69	54.55	27.368	8.23	-104.7	12.6	2.9	6.5
12/16/04	20:00:39	23.76	56.023	7.28	69	54.57	27.381	8.24	-104.9	7.8	2.9	6.1
12/16/04	20:30:39	23.78	56.014	7.24	69	54.59	27.400	8.24	-104.9	4.9	2.9	6.1
12/16/04	21:00:40	23.91	56.094	7.18	69	54.92	27.623	8.24	-105.1	8.1	2.9	6.1
12/16/04	21:30:39	24.00	56.133	7.23	69	55.14	27.771	8.24	-105.1	2.3	2.9	6.2
12/16/04	22:00:39	24.00	56.144	7.10	69	54.79	27.533	8.24	-104.9	1.9	3.0	6.2
12/16/04	22:30:39	24.00	56.154	7.14	69	54.84	27.570	8.24	-104.9	1.4	3.1	6.2
12/16/04	23:00:39	23.93	56.117	7.01	69	55.23	27.834	8.23	-104.7	1.1	3.0	1390.1
12/16/04	23:30:40	23.85	56.085	7.07	69	55.06	27.721	8.23	-104.7	1.2	3.0	1389.8
12/17/04	00:00:39	23.82	56.084	7.06	69	55.05	27.714	8.23	-104.7	1.1	3.0	6.4
12/17/04	00:30:39	23.79	56.070	7.06	69	54.93	27.628	8.24	-104.8	1.2	3.0	6.2
12/17/04	01:00:39	23.75	56.066	7.04	69	55.48	28.010	8.24	-104.7	1.2	2.8	6.2
12/17/04	01:30:39	23.72	56.063	6.99	67	55.41	27.957	8.23	-104.7	1.1	3.0	6.2
12/17/04	02:00:40	23.71	56.055	6.96	67	55.49	28.016	8.23	-104.7	1.2	3.0	6.2
12/17/04	02:30:39	23.75	56.065	6.98	69	55.34	27.911	8.24	-104.7	1.2	2.9	6.2
12/17/04	03:00:39	23.79	56.055	7.02	69	55.57	28.067	8.24	-104.9	1.3	2.9	6.3
12/17/04	03:30:39	23.96	56.118	7.00	69	55.29	27.875	8.24	-105.2	1.2	3.1	6.1
12/17/04	04:00:39	24.01	56.142	7.03	69	55.26	27.857	8.24	-105.2	1.3	3.1	6.1
12/17/04	04:30:40	23.86	56.076	6.99	69	55.42	27.964	8.24	-104.9	1.2	2.9	6.4
12/17/04	05:00:39	23.88	56.078	6.96	69	55.31	27.893	8.24	-104.9	1.2	2.9	6.2
12/17/04	05:30:39	23.90	56.067	6.99	69	55.40	27.956	8.24	-105.0	1.1	3.0	6.1
12/17/04	06:00:39	23.95	56.097	6.99	69	55.40	27.955	8.24	-105.0	1.1	3.1	6.0
12/17/04	06:30:39	24.00	56.120	7.06	69	55.33	27.903	8.24	-105.1	1.1	2.9	6.1
12/17/04	07:00:40	24.01	56.127	7.03	69	55.46	27.994	8.24	-105.0	1.1	3.0	6.0
12/17/04	07:30:39	24.05	56.162	6.94	69	55.26	27.858	8.24	-104.9	1.2	3.0	6.1
12/17/04	08:00:39	24.08	56.216	6.99	69	55.46	27.997	8.24	-105.0	1.2	2.9	6.0
12/17/04	08:30:39	23.95	56.158	6.97	69	54.92	27.620	8.24	-104.8	1.1	2.9	6.1
12/17/04	09:00:39	24.06	56.229	6.97	69	55.28	27.866	8.24	-105.1	1.1	2.9	6.1
12/17/04	09:30:40	24.19	56.292	6.97	69	55.34	27.909	8.24	-105.1	1.2	2.9	5.9
12/17/04	10:00:39	24.31	56.343	6.94	69	55.30	27.885	8.24	-105.3	1.1	3.0	6.1
12/17/04	10:30:39	24.37	56.366	6.96	69	55.00	27.679	8.24	-105.3	1.1	3.0	6.3
12/17/04	11:00:39	24.32	56.374	6.89	69	55.09	27.742	8.24	-105.0	1.1	3.0	6.0
12/17/04	11:30:39	24.39	56.402	6.93	69	55.19	27.808	8.24	-105.0	1.1	2.8	6.4
12/17/04	12:00:40	24.39	56.401	6.88	69	54.94	27.634	8.24	-104.9	1.1	2.9	6.2
12/17/04	12:30:39	24.37	56.421	6.88	69	55.26	27.857	8.23	-104.9	1.3	3.0	1392.0
12/17/04	13:00:39	24.34	56.417	6.94	69	55.04	27.705	8.23	-104.8	1.5	3.0	1392.0
12/17/04	13:30:39	24.34	56.414	6.87	69	55.10	27.747	8.23	-104.9	1.8	3.0	7.2
12/17/04	14:00:39	24.33	56.404	6.97	69	54.96	27.652	8.23	-104.8	4.0	2.9	1391.9
12/17/04	14:30:40	24.31	56.391	7.00	69	55.11	27.752	8.23	-104.7	7.0	2.9	1391.8
12/17/04	15:00:39	24.31	56.373	7.04	69	55.08	27.734	8.23	-104.6	5.0	2.9	6.1
12/17/04	15:30:39	24.30	56.373	7.02	69	54.74	27.500	8.23	-104.6	3.7	3.0	6.2
12/17/04	16:00:39	24.27	56.377	7.02	69	54.83	27.557	8.23	-104.5	9.2	2.8	6.0
12/17/04	16:30:39	24.22	56.357	7.08	69	54.83	27.563	8.23	-104.6	7.7	3.0	6.1
12/17/04	17:00:40	24.25	56.371	7.15	69	54.77	27.520	8.23	-104.7	17.4	2.9	6.1
12/17/04	17:30:39	24.18	56.355	7.22	69	54.92	27.621	8.23	-104.5	43.1	2.8	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/17/04	18:00:39	24.19	56.349	7.32	69	54.60	27.402	8.23	-104.5	33.1	3.0	6.2
12/17/04	18:30:39	24.08	56.297	7.27	69	54.78	27.526	8.23	-104.4	15.0	2.9	1390.8
12/17/04	19:00:39	24.05	56.279	7.37	69	55.04	27.706	8.23	-104.6	67.1	2.9	1390.7
12/17/04	19:30:40	24.03	56.266	7.33	69	54.83	27.561	8.23	-104.6	13.8	2.9	1390.6
12/17/04	20:00:39	24.09	56.292	7.36	69	54.83	27.557	8.23	-104.6	27.0	3.0	1390.8
12/17/04	20:30:39	24.16	56.339	7.28	69	55.00	27.675	8.23	-104.7	10.0	3.0	1391.1
12/17/04	21:00:39	24.29	56.409	7.22	69	54.78	27.524	8.23	-104.8	10.8	3.0	6.4
12/17/04	21:30:39	24.30	56.413	7.25	69	54.94	27.635	8.23	-104.7	17.9	3.0	6.1
12/17/04	22:00:40	24.33	56.423	7.23	69	54.91	27.613	8.23	-104.7	6.5	3.0	6.1
12/17/04	22:30:39	24.33	56.422	7.16	67	54.79	27.535	8.23	-104.7	4.9	2.9	6.2
12/17/04	23:00:39	24.34	56.417	7.16	69	55.01	27.681	8.23	-104.7	2.6	2.9	6.2
12/17/04	23:30:39	24.37	56.425	7.12	69	54.90	27.607	8.23	-104.9	1.3	2.9	6.1
12/18/04	00:00:39	24.37	56.425	7.00	69	54.84	27.568	8.23	-104.9	1.2	3.0	1392.1
12/18/04	00:30:40	24.38	56.441	7.04	69	55.13	27.764	8.24	-105.0	1.2	3.0	6.0
12/18/04	01:00:39	24.39	56.430	6.97	69	55.29	27.876	8.24	-104.9	1.2	3.0	6.0
12/18/04	01:30:39	24.40	56.433	7.01	69	55.53	28.043	8.24	-105.0	1.2	3.0	6.5
12/18/04	02:00:39	24.38	56.426	7.02	67	55.42	27.967	8.24	-104.9	1.2	3.1	6.9
12/18/04	02:30:39	24.33	56.409	7.01	69	55.23	27.837	8.24	-104.9	1.1	3.0	6.1
12/18/04	03:00:40	24.31	56.401	6.99	69	55.22	27.831	8.24	-104.9	1.2	2.9	1391.8
12/18/04	03:30:39	24.29	56.398	6.98	67	55.27	27.861	8.24	-104.9	1.1	2.9	1391.7
12/18/04	04:00:39	24.29	56.395	6.93	69	55.54	28.044	8.23	-104.9	1.3	2.9	1391.7
12/18/04	04:30:39	24.33	56.401	6.89	67	55.21	27.821	8.24	-105.0	1.2	3.1	6.2
12/18/04	05:00:39	24.35	56.416	6.89	67	54.94	27.634	8.24	-104.9	1.2	3.1	6.1
12/18/04	05:30:39	24.38	56.423	6.88	67	55.01	27.684	8.24	-105.0	1.3	3.0	6.1
12/18/04	06:00:39	24.39	56.426	6.97	69	55.48	28.009	8.24	-105.0	1.2	2.9	1392.2
12/18/04	06:30:39	24.39	56.421	6.83	67	55.43	27.975	8.24	-104.9	1.2	3.0	1392.2
12/18/04	07:00:39	24.41	56.431	6.90	69	55.32	27.899	8.24	-105.0	1.1	3.0	1392.3
12/18/04	07:30:39	24.41	56.429	6.98	69	55.32	27.898	8.24	-105.0	1.1	3.0	5.9
12/18/04	08:00:39	24.41	56.422	6.94	69	55.27	27.865	8.24	-104.9	1.2	2.9	6.1
12/18/04	08:30:39	24.41	56.420	6.87	69	55.04	27.707	8.24	-104.9	1.1	2.9	6.1
12/18/04	09:00:39	24.42	56.432	6.94	69	55.15	27.778	8.24	-104.9	1.1	2.9	6.1
12/18/04	09:30:39	24.42	56.417	6.93	69	54.98	27.666	8.24	-104.9	1.1	2.9	5.9
12/18/04	10:00:39	24.42	56.422	6.97	69	55.01	27.687	8.24	-105.0	1.1	2.9	6.1
12/18/04	10:30:39	24.43	56.421	6.88	67	55.15	27.783	8.24	-105.0	1.1	2.9	1392.3
12/18/04	11:00:39	24.42	56.421	6.96	67	55.09	27.738	8.24	-105.0	1.2	3.0	1392.3
12/18/04	11:30:39	24.42	56.428	6.96	69	55.11	27.750	8.24	-105.0	1.2	2.9	6.2
12/18/04	12:00:39	24.42	56.424	6.96	69	55.31	27.887	8.24	-105.0	1.1	3.0	6.1
12/18/04	12:30:39	24.42	56.416	6.91	69	55.14	27.771	8.24	-105.0	1.1	2.9	6.2
12/18/04	13:00:39	24.42	56.416	6.90	69	54.76	27.513	8.24	-104.9	1.7	3.0	6.2
12/18/04	13:30:39	24.42	56.397	6.94	69	54.84	27.568	8.24	-104.9	5.2	2.9	6.1
12/18/04	14:00:39	24.42	56.385	6.92	69	55.29	27.878	8.23	-104.8	10.4	3.0	6.0
12/18/04	14:30:39	24.41	56.383	7.05	67	55.04	27.707	8.23	-104.7	15.5	3.0	6.1
12/18/04	15:00:40	24.41	56.372	7.10	69	55.19	27.808	8.23	-104.6	23.6	2.9	6.1
12/18/04	15:30:39	24.41	56.367	7.16	69	54.97	27.658	8.23	-104.6	11.9	2.8	6.1
12/18/04	16:00:39	24.40	56.364	7.21	67	54.95	27.645	8.23	-104.5	26.7	2.9	6.0
12/18/04	16:30:39	24.41	56.352	7.31	67	55.00	27.682	8.23	-104.5	57.2	2.9	6.2
12/18/04	17:00:39	24.40	56.341	7.41	69	55.02	27.693	8.23	-104.6	86.1	2.9	6.1
12/18/04	17:30:40	24.41	56.336	7.46	69	55.15	27.778	8.23	-104.5	44.7	2.9	6.2
12/18/04	18:00:39	24.42	56.324	7.46	69	54.83	27.563	8.23	-104.5	34.6	3.0	6.1
12/18/04	18:30:39	24.42	56.318	7.49	69	54.82	27.557	8.23	-104.5	67.9	3.0	5.9
12/18/04	19:00:39	24.42	56.326	7.46	69	54.93	27.629	8.22	-104.3	30.0	2.9	6.2
12/18/04	19:30:39	24.42	56.308	7.47	69	54.74	27.497	8.22	-104.2	67.5	2.8	6.1
12/18/04	20:00:40	24.40	56.293	7.47	67	54.92	27.622	8.22	-104.2	39.1	3.0	6.1
12/18/04	20:30:39	24.39	56.268	7.48	67	54.74	27.504	8.22	-104.2	52.5	3.0	6.0
12/18/04	21:00:39	24.39	56.273	7.48	69	55.00	27.681	8.22	-104.1	45.8	3.0	6.2
12/18/04	21:30:39	24.37	56.253	7.48	69	54.89	27.605	8.22	-103.9	30.4	2.8	6.1
12/18/04	22:00:39	24.34	56.242	7.39	67	55.07	27.726	8.22	-103.9	21.0	2.9	1392.0
12/18/04	22:30:40	24.32	56.220	7.23	69	55.02	27.695	8.22	-104.0	10.8	2.9	1391.9
12/18/04	23:00:39	24.30	56.207	7.24	69	54.99	27.675	8.22	-104.0	4.5	2.9	1391.7
12/18/04	23:30:39	24.29	56.210	7.11	67	54.96	27.653	8.22	-104.1	1.4	3.0	6.4
12/19/04	00:00:39	24.30	56.219	7.12	67	55.05	27.711	8.22	-104.3	1.1	2.9	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/19/04	00:30:39	24.33	56.250	7.11	67	55.09	27.743	8.23	-104.4	1.2	3.0	6.1
12/19/04	01:00:40	24.34	56.279	7.04	67	55.26	27.858	8.23	-104.4	1.2	2.9	6.1
12/19/04	01:30:39	24.35	56.302	6.93	67	55.34	27.911	8.23	-104.4	1.2	3.0	6.1
12/19/04	02:00:39	24.35	56.317	7.06	67	55.24	27.840	8.23	-104.5	1.3	2.9	6.1
12/19/04	02:30:39	24.35	56.331	7.05	67	55.41	27.958	8.23	-104.4	1.1	3.0	6.0
12/19/04	03:00:39	24.35	56.337	6.94	67	55.18	27.805	8.23	-104.4	1.2	3.1	6.1
12/19/04	03:30:39	24.35	56.355	7.00	67	55.19	27.807	8.23	-104.4	1.1	3.0	1392.0
12/19/04	04:00:39	24.36	56.351	6.95	69	55.30	27.887	8.23	-104.4	1.1	2.9	1392.0
12/19/04	04:30:39	24.35	56.348	7.05	67	55.21	27.823	8.23	-104.4	1.3	2.9	1392.0
12/19/04	05:00:39	24.36	56.355	6.86	67	55.32	27.898	8.22	-104.3	1.2	2.9	1392.0
12/19/04	05:30:39	24.36	56.359	6.92	67	55.18	27.801	8.22	-104.2	1.2	2.9	8.4
12/19/04	06:00:39	24.34	56.365	6.99	69	55.09	27.742	8.23	-104.4	1.1	2.9	6.1
12/19/04	06:30:39	24.35	56.378	6.93	66	55.17	27.792	8.22	-104.2	1.1	3.0	6.1
12/19/04	07:00:39	24.32	56.403	6.94	67	55.12	27.760	8.22	-104.2	1.2	3.0	6.1
12/19/04	07:30:39	24.29	56.397	6.93	69	55.14	27.771	8.23	-104.4	1.1	2.9	6.0
12/19/04	08:00:39	24.29	56.404	6.96	67	54.99	27.668	8.23	-104.6	1.1	2.9	6.0
12/19/04	08:30:39	24.27	56.408	6.88	67	55.04	27.702	8.23	-104.7	1.0	2.9	6.1
12/19/04	09:00:39	24.28	56.407	6.87	67	54.92	27.619	8.23	-104.7	1.2	3.0	1391.7
12/19/04	09:30:39	24.27	56.405	6.80	67	54.93	27.626	8.23	-104.7	1.2	2.9	1391.7
12/19/04	10:00:39	24.26	56.406	6.91	67	54.95	27.645	8.23	-104.8	1.1	2.9	6.3
12/19/04	10:30:40	24.27	56.402	6.95	67	54.90	27.605	8.24	-104.9	1.0	2.9	6.1
12/19/04	11:00:39	24.28	56.400	6.92	67	54.90	27.605	8.24	-104.9	1.1	3.0	6.2
12/19/04	11:30:39	24.28	56.398	6.99	67	55.03	27.697	8.24	-104.9	1.1	2.9	6.1
12/19/04	12:00:39	24.29	56.409	6.90	69	55.02	27.688	8.24	-104.9	1.1	3.0	1391.7
12/19/04	12:30:39	24.29	56.393	6.89	67	54.93	27.632	8.24	-104.9	1.1	2.9	6.1
12/19/04	13:00:40	24.30	56.390	6.81	69	55.10	27.748	8.23	-104.9	1.7	2.9	1391.7
12/19/04	13:30:39	24.29	56.388	6.93	67	55.02	27.689	8.23	-104.8	6.7	3.1	6.1
12/19/04	14:00:39	24.28	56.390	6.98	67	54.98	27.665	8.23	-104.8	15.2	2.9	1391.7
12/19/04	14:30:39	24.26	56.392	7.07	67	55.05	27.714	8.23	-104.6	26.2	2.9	1391.6
12/19/04	15:00:39	24.23	56.395	7.01	67	55.06	27.720	8.23	-104.6	35.5	2.9	6.2
12/19/04	15:30:40	24.22	56.409	7.17	66	55.11	27.751	8.23	-104.7	48.1	2.9	1391.4
12/19/04	16:00:39	24.21	56.412	7.27	67	55.08	27.728	8.23	-104.7	50.3	2.8	1391.4
12/19/04	16:30:39	24.19	56.412	7.27	67	55.13	27.765	8.23	-104.7	69.2	2.9	1391.3
12/19/04	17:00:39	24.16	56.418	7.31	67	55.15	27.780	8.23	-104.7	76.1	2.9	6.2
12/19/04	17:30:39	24.15	56.418	7.42	67	55.09	27.735	8.23	-104.6	82.8	3.1	6.1
12/19/04	18:00:40	24.17	56.416	7.31	67	55.09	27.738	8.23	-104.7	82.3	2.9	6.0
12/19/04	18:30:39	24.19	56.414	7.39	69	55.10	27.746	8.23	-104.7	80.5	2.9	6.1
12/19/04	19:00:39	24.19	56.415	7.39	67	55.04	27.707	8.23	-104.7	82.4	2.9	6.2
12/19/04	19:30:39	24.18	56.411	7.38	67	55.03	27.699	8.23	-104.7	61.3	2.9	6.2
12/19/04	20:00:39	24.20	56.412	7.38	67	55.19	27.806	8.23	-104.8	62.4	2.9	6.1
12/19/04	20:30:40	24.20	56.413	7.35	67	55.11	27.748	8.23	-104.8	54.0	2.9	6.2
12/19/04	21:00:39	24.21	56.416	6.99	66	55.06	27.719	8.23	-104.7	42.4	2.9	6.1
12/19/04	21:30:39	24.20	56.407	7.27	66	54.97	27.657	8.23	-104.7	34.1	3.0	6.1
12/19/04	22:00:39	24.20	56.410	7.30	67	55.04	27.702	8.23	-104.6	20.3	2.9	6.2
12/19/04	22:30:39	24.20	56.395	7.20	67	55.20	27.813	8.23	-104.7	12.9	2.9	6.1
12/19/04	23:00:39	24.17	56.379	7.27	67	55.03	27.696	8.23	-104.7	5.6	2.9	6.2
12/19/04	23:30:39	24.16	56.367	7.13	66	55.10	27.743	8.23	-104.7	1.5	3.0	5.9
12/20/04	00:00:39	24.17	56.386	7.02	66	55.13	27.767	8.24	-105.0	1.2	3.0	6.2
12/20/04	00:30:39	24.17	56.393	7.03	67	55.19	27.804	8.24	-105.0	1.1	3.0	5.9
12/20/04	01:00:39	24.18	56.392	7.09	67	55.08	27.732	8.24	-105.1	1.1	2.9	6.2
12/20/04	01:30:39	24.17	56.390	7.04	66	55.08	27.731	8.24	-105.1	1.1	3.0	6.2
12/20/04	02:00:39	24.16	56.386	6.99	67	55.19	27.803	8.24	-105.0	1.1	2.9	6.1
12/20/04	02:30:39	24.13	56.366	6.92	67	55.20	27.815	8.24	-105.0	1.1	2.9	6.0
12/20/04	03:00:39	24.10	56.368	7.02	67	55.17	27.793	8.24	-105.0	1.2	3.0	6.1
12/20/04	03:30:39	24.10	56.363	6.97	67	55.22	27.830	8.24	-105.1	1.1	2.9	6.1
12/20/04	04:00:39	24.08	56.351	6.96	66	55.17	27.790	8.24	-105.1	1.2	2.9	6.1
12/20/04	04:30:39	24.08	56.344	6.96	67	55.15	27.782	8.24	-105.1	1.2	3.0	6.0
12/20/04	05:00:39	24.06	56.342	6.92	66	55.16	27.786	8.24	-105.0	1.2	3.0	6.1
12/20/04	05:30:39	24.06	56.348	6.92	67	55.05	27.708	8.24	-105.1	1.1	2.9	6.1
12/20/04	06:00:40	24.05	56.349	6.96	67	55.06	27.716	8.24	-105.1	1.1	2.9	1390.7
12/20/04	06:30:39	24.03	56.334	6.77	67	55.00	27.677	8.24	-105.2	1.1	2.9	1390.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/20/04	07:00:39	24.03	56.332	6.92	67	54.98	27.661	8.24	-105.1	1.2	2.9	6.3
12/20/04	07:30:39	24.05	56.346	6.92	66	54.93	27.629	8.24	-105.2	1.1	2.9	6.1
12/20/04	08:00:39	24.06	56.370	6.90	66	54.89	27.598	8.24	-105.2	1.1	2.9	6.1
12/20/04	08:30:40	24.09	56.375	6.89	66	54.88	27.591	8.24	-105.2	1.1	3.0	6.1
12/20/04	09:00:39	24.04	56.343	6.92	66	54.84	27.568	8.24	-105.2	1.1	3.0	6.1
12/20/04	09:30:39	24.01	56.321	6.90	66	54.81	27.544	8.24	-105.2	1.1	2.9	6.0
12/20/04	10:00:39	23.99	56.303	6.72	66	54.83	27.557	8.24	-105.0	1.2	2.8	6.0
12/20/04	10:30:39	24.01	56.315	6.83	66	54.78	27.522	8.24	-105.1	1.1	2.8	6.1
12/20/04	11:00:40	24.03	56.332	6.84	66	54.81	27.543	8.24	-105.2	1.1	2.9	1390.6
12/20/04	11:30:39	24.05	56.355	6.72	67	54.82	27.551	8.24	-105.2	1.2	3.0	1390.6
12/20/04	12:00:39	24.05	56.357	6.92	66	54.84	27.564	8.24	-105.2	1.0	2.9	6.1
12/20/04	12:30:39	23.99	56.328	6.94	67	54.86	27.582	8.24	-105.2	1.1	2.9	6.0
12/20/04	13:00:39	23.94	56.309	6.71	66	54.95	27.640	8.24	-105.2	1.8	3.0	6.2
12/20/04	13:30:40	23.95	56.306	6.95	66	54.95	27.640	8.24	-105.3	4.6	3.0	6.1
12/20/04	14:00:39	23.97	56.309	6.99	66	54.97	27.651	8.24	-105.1	11.0	3.0	6.2
12/20/04	14:30:39	24.02	56.332	6.94	66	55.01	27.679	8.24	-105.0	15.1	3.0	1390.5
12/20/04	15:00:39	24.06	56.348	7.04	67	55.09	27.735	8.24	-105.0	29.4	2.9	1390.7
12/20/04	15:30:39	24.07	56.355	7.02	66	55.07	27.726	8.24	-104.9	26.7	3.0	6.3
12/20/04	16:00:40	24.07	56.337	7.15	66	55.11	27.752	8.24	-105.0	51.7	3.0	6.0
12/20/04	16:30:39	24.06	56.324	7.21	66	55.17	27.796	8.24	-104.9	50.4	2.9	1390.7
12/20/04	17:00:39	24.06	56.328	7.16	67	55.16	27.789	8.24	-104.9	62.8	2.9	1390.7
12/20/04	17:30:39	24.05	56.326	7.29	67	55.18	27.800	8.24	-105.0	77.2	2.9	6.1
12/20/04	18:00:39	24.05	56.321	7.33	67	55.21	27.817	8.23	-104.7	37.5	2.9	6.1
12/20/04	18:30:40	24.05	56.312	7.37	67	55.20	27.813	8.24	-104.9	93.5	2.9	6.2
12/20/04	19:00:39	24.04	56.306	7.30	66	55.18	27.801	8.23	-104.7	21.6	2.9	6.0
12/20/04	19:30:39	23.98	56.299	7.32	67	55.13	27.768	8.23	-104.6	21.1	2.8	1390.3
12/20/04	20:00:39	23.91	56.280	7.37	66	55.18	27.796	8.24	-104.8	29.1	3.0	1390.1
12/20/04	20:30:39	23.86	56.255	7.27	67	55.19	27.807	8.24	-104.8	15.7	3.0	6.2
12/20/04	21:00:40	23.85	56.241	7.25	66	55.14	27.774	8.24	-105.0	31.8	2.9	6.2
12/20/04	21:30:39	23.83	56.239	7.15	66	55.17	27.789	8.24	-104.9	11.6	2.9	6.1
12/20/04	22:00:39	23.84	56.233	7.28	66	55.13	27.764	8.24	-105.0	12.8	2.9	6.3
12/20/04	22:30:39	23.86	56.252	7.22	67	55.16	27.788	8.24	-105.0	12.5	2.9	6.2
12/20/04	23:00:39	23.91	56.262	7.15	66	55.12	27.756	8.24	-105.0	4.3	2.9	6.1
12/20/04	23:30:40	23.94	56.281	6.90	66	55.16	27.783	8.24	-105.0	1.4	3.0	6.2
12/21/04	00:00:39	23.94	56.284	7.02	66	55.15	27.775	8.24	-105.2	1.1	2.8	1390.2
12/21/04	00:30:39	23.89	56.275	7.09	66	55.15	27.779	8.24	-105.2	1.1	2.9	1390.0
12/21/04	01:00:39	23.88	56.274	7.06	66	55.16	27.785	8.24	-105.2	1.1	3.0	6.3
12/21/04	01:30:39	23.88	56.275	7.06	66	55.16	27.787	8.24	-105.2	1.1	2.9	6.1
12/21/04	02:00:40	23.87	56.265	6.99	66	55.18	27.796	8.24	-105.3	1.0	2.9	6.2
12/21/04	02:30:39	23.88	56.272	7.07	66	55.16	27.783	8.24	-105.2	1.2	3.1	6.1
12/21/04	03:00:39	23.90	56.286	6.81	66	55.13	27.765	8.24	-105.2	1.2	3.1	6.2
12/21/04	03:30:39	23.92	56.281	6.87	66	55.17	27.795	8.24	-105.2	1.2	2.9	6.1
12/21/04	04:00:39	23.92	56.292	6.87	66	55.17	27.790	8.24	-105.2	1.2	2.9	6.1
12/21/04	04:30:40	23.87	56.258	6.96	66	55.06	27.716	8.24	-105.1	1.1	2.9	6.3
12/21/04	05:00:39	23.67	56.130	6.94	66	55.07	27.724	8.24	-105.1	1.1	2.9	5.9
12/21/04	05:30:39	23.51	56.082	7.02	66	55.09	27.737	8.24	-105.0	1.2	2.9	6.2
12/21/04	06:00:39	23.40	56.024	6.98	66	55.11	27.753	8.24	-105.1	1.2	2.8	6.3
12/21/04	06:30:39	23.37	56.029	7.03	66	55.01	27.684	8.25	-105.4	1.2	3.0	1387.7
12/21/04	07:00:40	23.50	56.094	6.93	65	55.04	27.706	8.25	-105.5	1.1	2.9	1388.3
12/21/04	07:30:39	23.74	56.239	6.96	66	54.79	27.528	8.25	-105.4	1.2	2.9	6.2
12/21/04	08:00:39	23.79	56.256	6.96	66	54.88	27.592	8.25	-105.4	1.1	3.0	6.1
12/21/04	08:30:39	23.80	56.248	6.96	66	54.79	27.527	8.25	-105.3	1.1	3.0	6.1
12/21/04	09:00:39	23.74	56.217	6.97	66	54.71	27.477	8.25	-105.3	1.2	2.9	1389.3
12/21/04	09:30:40	23.63	56.168	6.94	66	54.73	27.490	8.24	-105.2	1.2	3.0	1388.9
12/21/04	10:00:39	23.58	56.160	6.94	66	54.67	27.450	8.24	-105.2	1.1	2.9	6.1
12/21/04	10:30:39	23.49	56.081	6.98	65	54.54	27.360	8.25	-105.3	1.1	2.9	6.2
12/21/04	11:00:39	23.35	55.992	6.98	66	54.86	27.578	8.25	-105.2	1.1	2.9	1387.6
12/21/04	11:30:39	23.21	55.896	7.00	66	54.80	27.537	8.25	-105.2	1.1	2.9	9.0
12/21/04	12:00:40	23.20	55.894	6.97	65	54.81	27.545	8.25	-105.3	1.0	2.8	6.4
12/21/04	12:30:39	23.29	55.928	6.98	65	54.74	27.499	8.25	-105.3	1.1	2.9	6.3
12/21/04	13:00:39	23.35	55.971	6.95	65	54.98	27.661	8.25	-105.4	1.4	2.9	1387.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/21/04	13:30:39	23.42	56.008	6.99	66	54.89	27.602	8.25	-105.4	2.9	3.1	1387.9
12/21/04	14:00:39	23.38	55.982	6.88	66	54.97	27.652	8.25	-105.3	6.0	3.0	6.2
12/21/04	14:30:40	23.65	56.119	6.91	65	54.75	27.507	8.25	-105.5	19.0	2.8	6.2
12/21/04	15:00:39	23.74	56.170	7.16	66	55.26	27.853	8.25	-105.3	11.2	2.9	6.2
12/21/04	15:30:39	23.79	56.205	7.21	67	55.04	27.702	8.24	-105.1	16.4	2.9	6.1
12/21/04	16:00:39	23.81	56.218	7.22	67	55.21	27.816	8.24	-105.0	27.3	2.9	6.1
12/21/04	16:30:39	23.83	56.219	7.27	66	55.23	27.831	8.24	-105.0	56.5	3.0	6.1
12/21/04	17:00:40	23.83	56.217	7.30	66	55.31	27.886	8.24	-105.0	64.6	3.0	1389.7
12/21/04	17:30:39	23.83	56.216	7.37	66	55.21	27.822	8.24	-104.9	28.1	3.0	1389.7
12/21/04	18:00:39	23.83	56.214	7.38	66	55.21	27.820	8.24	-104.9	40.6	2.9	6.2
12/21/04	18:30:39	23.80	56.202	7.33	66	55.55	28.055	8.24	-104.9	20.5	3.0	6.2
12/21/04	19:00:39	23.75	56.191	7.24	66	55.20	27.814	8.24	-104.7	7.9	2.9	6.2
12/21/04	19:30:40	23.67	56.173	7.22	66	55.57	28.067	8.24	-104.9	2.7	2.9	6.2
12/21/04	20:00:39	23.65	56.167	7.10	66	55.38	27.936	8.24	-104.9	4.5	2.9	6.2
12/21/04	20:30:39	23.64	56.162	7.17	66	55.15	27.778	8.24	-105.0	5.9	2.9	6.3
12/21/04	21:00:39	23.56	56.114	7.18	65	55.33	27.900	8.24	-105.1	3.4	3.0	6.2
12/21/04	21:30:39	23.39	55.994	7.18	66	55.59	28.084	8.24	-105.1	1.5	2.9	6.3
12/21/04	22:00:40	23.22	55.902	7.15	66	55.19	27.808	8.24	-105.1	1.6	3.0	6.4
12/21/04	22:30:39	23.01	55.752	7.17	66	55.24	27.842	8.25	-105.3	1.3	3.0	6.2
12/21/04	23:00:39	22.92	55.665	7.23	66	55.35	27.915	8.25	-105.5	1.1	2.9	6.4
12/21/04	23:30:39	22.82	55.578	7.21	65	55.23	27.832	8.25	-105.5	1.1	2.9	6.3
12/22/04	00:00:39	22.83	55.561	7.24	65	55.14	27.777	8.25	-105.5	1.0	2.9	1385.3
12/22/04	00:30:39	22.91	55.602	7.16	65	55.26	27.858	8.25	-105.5	1.1	2.9	1385.7
12/22/04	01:00:39	22.84	55.539	7.20	65	55.22	27.831	8.25	-105.4	1.1	3.0	1385.4
12/22/04	01:30:39	22.83	55.500	7.14	65	55.08	27.735	8.25	-105.3	1.1	3.1	6.5
12/22/04	02:00:39	22.84	55.508	7.15	65	55.00	27.680	8.25	-105.2	1.2	2.9	6.5
12/22/04	02:30:39	22.82	55.501	7.14	65	55.15	27.780	8.25	-105.2	1.1	2.9	1385.3
12/22/04	03:00:39	22.76	55.456	7.12	65	55.04	27.708	8.25	-105.1	1.1	2.8	1385.0
12/22/04	03:30:39	22.69	55.440	7.13	65	55.37	27.934	8.25	-105.0	1.1	2.9	6.5
12/22/04	04:00:39	22.68	55.443	7.07	65	55.02	27.689	8.24	-105.0	1.1	3.0	6.3
12/22/04	04:30:39	22.68	55.411	7.18	65	55.00	27.681	8.25	-105.3	1.2	2.9	6.4
12/22/04	05:00:39	22.87	55.531	7.17	66	54.94	27.638	8.25	-105.5	1.1	2.9	6.4
12/22/04	05:30:39	22.81	55.490	7.18	65	55.44	27.980	8.25	-105.3	1.1	2.9	1385.3
12/22/04	06:00:39	23.13	55.651	7.13	66	55.24	27.842	8.25	-105.7	1.1	2.9	1386.6
12/22/04	06:30:39	23.13	55.706	7.09	65	54.85	27.578	8.25	-105.4	1.1	2.9	6.4
12/22/04	07:00:39	23.39	55.842	7.10	66	55.00	27.680	8.25	-105.7	1.1	3.0	6.2
12/22/04	07:30:39	23.57	55.923	7.09	66	55.17	27.792	8.25	-105.7	1.2	3.0	6.2
12/22/04	08:00:39	23.60	55.951	7.12	65	54.90	27.611	8.25	-105.5	1.1	2.9	1388.7
12/22/04	08:30:39	23.72	55.999	7.05	65	54.88	27.596	8.25	-105.5	1.0	2.9	1389.2
12/22/04	09:00:39	23.76	56.025	7.07	66	54.66	27.442	8.25	-105.4	1.1	2.9	6.2
12/22/04	09:30:39	23.78	56.032	7.05	65	54.36	27.237	8.24	-105.3	1.2	2.9	6.1
12/22/04	10:00:40	23.82	56.055	7.04	65	54.45	27.302	8.24	-105.2	1.0	2.9	6.1
12/22/04	10:30:39	23.89	56.079	6.99	66	54.78	27.528	8.24	-105.0	1.1	2.9	6.2
12/22/04	11:00:39	23.91	56.094	6.99	65	54.37	27.249	8.24	-104.8	1.2	2.9	6.1
12/22/04	11:30:39	23.88	56.100	6.99	66	54.48	27.317	8.23	-104.7	1.1	2.9	1389.9
12/22/04	12:00:39	23.90	56.109	6.98	66	54.75	27.504	8.23	-104.7	1.1	3.0	1390.0
12/22/04	12:30:40	23.91	56.116	6.94	66	54.96	27.651	8.23	-104.6	1.2	3.0	6.1
12/22/04	13:00:39	23.90	56.107	6.94	66	54.29	27.190	8.23	-104.4	1.1	2.9	5.9
12/22/04	13:30:39	23.91	56.116	6.91	66	54.56	27.375	8.23	-104.4	5.6	2.9	6.1
12/22/04	14:00:39	23.94	56.113	7.00	65	54.77	27.522	8.22	-104.2	13.9	2.8	6.0
12/22/04	14:30:39	23.95	56.104	7.03	66	54.71	27.479	8.22	-104.1	21.5	2.9	6.2
12/22/04	15:00:40	23.95	56.093	7.15	66	55.21	27.822	8.22	-104.0	30.0	3.0	6.1
12/22/04	15:30:39	23.95	56.096	7.17	66	54.89	27.604	8.22	-103.8	43.5	2.9	6.1
12/22/04	16:00:39	23.97	56.112	7.28	66	54.84	27.568	8.22	-103.8	31.8	2.9	6.2
12/22/04	16:30:39	23.98	56.122	7.32	66	55.01	27.683	8.22	-103.7	68.5	2.9	1390.4
12/22/04	17:00:39	23.96	56.131	7.35	66	55.08	27.732	8.21	-103.5	55.4	2.9	1390.3
12/22/04	17:30:40	23.95	56.124	7.37	66	55.23	27.835	8.21	-103.6	57.4	3.0	6.0
12/22/04	18:00:39	23.94	56.126	7.36	66	55.20	27.818	8.21	-103.4	30.5	2.9	6.1
12/22/04	18:30:39	23.93	56.113	7.30	66	55.47	28.002	8.21	-103.4	26.9	3.0	1390.1
12/22/04	19:00:39	23.93	56.113	7.29	65	54.78	27.528	8.21	-103.3	26.5	3.0	1390.1
12/22/04	19:30:39	23.92	56.115	7.33	66	55.59	28.083	8.21	-103.2	21.4	3.0	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/22/04	20:00:39	23.92	56.116	7.31	65	55.40	27.953	8.21	-103.1	24.3	2.9	6.2
12/22/04	20:30:39	23.94	56.109	7.37	65	55.73	28.180	8.20	-103.1	50.7	3.0	6.4
12/22/04	21:00:39	23.95	56.104	7.35	66	55.70	28.158	8.20	-103.0	36.1	2.8	6.1
12/22/04	21:30:39	23.95	56.108	7.32	66	55.60	28.093	8.20	-102.8	3.3	2.8	6.1
12/22/04	22:00:39	23.92	56.100	7.27	66	55.27	27.866	8.20	-102.6	7.3	2.9	6.2
12/22/04	22:30:39	23.79	55.999	7.25	66	55.34	27.910	8.20	-102.7	3.2	2.8	1389.5
12/22/04	23:00:39	23.72	56.009	7.21	66	54.83	27.560	8.20	-102.7	1.8	2.9	1389.2
12/22/04	23:30:39	23.64	55.951	7.22	65	55.27	27.861	8.20	-102.8	1.3	3.0	6.2
12/23/04	00:00:39	23.63	55.966	7.20	65	55.43	27.970	8.20	-102.7	1.1	2.9	1388.9
12/23/04	00:30:39	23.62	55.979	7.13	65	55.33	27.908	8.19	-102.4	1.2	2.9	1388.7
12/23/04	01:00:39	23.62	56.002	7.13	66	55.62	28.105	8.19	-102.1	1.2	2.9	6.2
12/23/04	01:30:39	23.61	55.955	7.13	66	55.91	28.302	8.19	-102.0	1.0	2.9	6.2
12/23/04	02:00:39	23.60	55.952	7.12	66	55.64	28.117	8.18	-101.8	1.0	2.9	6.3
12/23/04	02:30:39	23.57	55.959	7.13	65	55.53	28.041	8.18	-101.7	1.1	2.9	6.2
12/23/04	03:00:39	23.55	55.965	7.12	65	54.96	27.649	8.18	-101.6	1.1	2.9	1388.5
12/23/04	03:30:39	23.51	55.936	7.11	65	55.54	28.050	8.18	-101.7	1.1	2.9	1388.3
12/23/04	04:00:39	23.50	55.935	7.10	66	54.96	27.649	8.18	-101.7	1.1	2.8	6.2
12/23/04	04:30:39	23.50	55.933	7.08	66	54.83	27.559	8.19	-102.1	1.2	2.9	6.2
12/23/04	05:00:39	23.52	55.951	7.09	65	55.57	28.067	8.19	-102.3	1.1	2.9	6.1
12/23/04	05:30:40	23.54	55.956	7.08	65	54.23	27.148	8.19	-102.2	1.1	2.9	6.1
12/23/04	06:00:39	23.56	55.972	7.08	65	54.36	27.239	8.19	-102.1	1.1	2.8	6.0
12/23/04	06:30:39	23.55	56.008	7.09	65	55.04	27.704	8.18	-101.9	1.1	2.9	6.2
12/23/04	07:00:39	23.54	55.977	7.06	65	54.91	27.613	8.18	-101.7	1.2	2.9	1388.4
12/23/04	07:30:39	23.52	55.961	7.05	66	54.49	27.323	8.18	-101.6	1.1	3.0	1388.4
12/23/04	08:00:40	23.46	55.934	7.05	65	54.30	27.198	8.18	-101.6	1.1	3.0	6.2
12/23/04	08:30:39	23.45	55.966	7.04	66	55.00	27.673	8.18	-101.6	1.1	2.9	6.1
12/23/04	09:00:39	23.46	55.948	7.03	65	54.95	27.639	8.18	-101.7	1.0	2.9	1388.1
12/23/04	09:30:39	23.46	55.959	7.04	66	54.71	27.479	8.18	-101.8	1.1	2.8	1388.1
12/23/04	10:00:39	23.50	56.007	7.02	65	54.59	27.395	8.18	-101.7	1.0	3.0	6.2
12/23/04	10:30:40	23.49	56.015	6.99	64	54.57	27.379	8.18	-101.7	1.0	3.0	6.1
12/23/04	11:00:39	23.47	55.975	7.02	65	55.02	27.690	8.18	-101.9	1.1	2.9	1388.1
12/23/04	11:30:39	23.45	55.982	6.99	66	54.39	27.255	8.18	-101.8	1.1	3.0	9.0
12/23/04	12:00:39	23.43	55.979	6.97	65	54.34	27.224	8.19	-101.9	1.1	3.0	6.1
12/23/04	12:30:39	23.42	55.963	6.96	66	54.79	27.535	8.19	-102.0	1.1	3.0	1387.9
12/23/04	13:00:40	23.44	55.984	6.98	65	54.58	27.388	8.19	-102.1	1.1	2.9	1388.1
12/23/04	13:30:39	23.44	55.987	6.97	65	54.47	27.310	8.19	-102.2	2.1	2.9	6.2
12/23/04	14:00:39	23.46	55.998	6.97	66	54.80	27.538	8.19	-102.3	2.7	2.9	1388.1
12/23/04	14:30:39	23.47	56.009	6.99	65	54.81	27.548	8.19	-102.4	3.8	2.9	8.7
12/23/04	15:00:39	23.47	56.001	6.95	65	55.06	27.720	8.19	-102.4	4.7	2.9	1388.1
12/23/04	15:30:40	23.48	56.008	6.96	64	54.78	27.524	8.19	-102.1	8.2	2.9	1388.2
12/23/04	16:00:39	23.50	56.025	6.97	65	54.44	27.288	8.18	-101.9	6.1	2.8	6.2
12/23/04	16:30:39	23.51	56.023	6.98	65	55.12	27.755	8.18	-101.8	8.4	2.9	6.1
12/23/04	17:00:39	23.49	55.995	7.10	65	55.24	27.837	8.18	-101.9	14.6	3.0	6.2
12/23/04	17:30:39	23.49	56.025	7.12	65	55.06	27.718	8.18	-101.9	20.0	2.9	6.2
12/23/04	18:00:39	23.48	56.007	7.08	66	55.02	27.689	8.18	-101.8	11.2	2.8	6.2
12/23/04	18:30:39	23.49	56.025	7.12	66	55.12	27.757	8.18	-101.9	7.3	2.8	1388.3
12/23/04	19:00:39	23.49	56.028	7.14	65	55.36	27.923	8.18	-101.8	7.9	3.0	1388.2
12/23/04	19:30:39	23.47	56.025	7.13	65	55.34	27.908	8.18	-101.7	10.2	2.9	1388.1
12/23/04	20:00:39	23.44	56.007	7.09	65	55.31	27.890	8.18	-101.7	7.1	2.9	6.2
12/23/04	20:30:39	23.41	55.993	7.17	66	55.30	27.884	8.18	-101.8	10.1	2.9	1387.9
12/23/04	21:00:39	23.45	56.026	7.02	65	55.40	27.950	8.18	-101.6	5.9	2.9	9.0
12/23/04	21:30:39	23.48	56.017	7.11	66	55.44	27.981	8.18	-101.4	5.6	3.0	6.3
12/23/04	22:00:39	23.51	56.034	7.09	65	55.29	27.875	8.17	-101.1	3.6	2.8	1388.3
12/23/04	22:30:39	23.53	56.038	7.06	65	55.46	27.989	8.17	-100.9	2.8	2.9	1388.4
12/23/04	23:00:39	23.55	56.043	7.04	66	55.39	27.942	8.16	-100.6	1.8	2.9	6.2
12/23/04	23:30:39	23.57	56.027	7.00	65	55.33	27.902	8.15	-100.2	1.3	3.0	6.1
12/24/04	00:00:39	23.58	56.006	7.00	66	55.47	28.002	8.16	-100.3	1.2	3.1	6.1
12/24/04	00:30:39	23.58	55.993	6.97	66	55.30	27.880	8.15	-100.1	1.2	2.8	6.2
12/24/04	01:00:39	23.57	55.975	7.00	66	55.25	27.849	8.15	-99.9	1.1	2.8	6.2
12/24/04	01:30:39	23.56	55.966	6.99	66	55.33	27.905	8.15	-99.7	1.1	2.9	1388.6
12/24/04	02:00:39	23.56	55.961	6.96	66	55.25	27.846	8.14	-99.4	1.1	2.8	1388.6

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/24/04	02:30:39	23.54	55.967	6.97	66	55.45	27.985	8.14	-99.2	1.2	3.0	1388.4
12/24/04	03:00:39	23.50	55.964	6.98	66	55.41	27.958	8.14	-99.3	1.0	2.9	1388.3
12/24/04	03:30:39	23.46	55.958	6.98	65	55.28	27.872	8.14	-99.2	1.1	2.9	6.2
12/24/04	04:00:39	23.45	55.946	6.97	66	55.11	27.750	8.14	-99.2	1.1	2.9	6.2
12/24/04	04:30:39	23.45	55.930	6.93	65	55.03	27.700	8.13	-99.0	1.1	3.0	1388.1
12/24/04	05:00:39	23.45	55.920	6.95	65	55.00	27.679	8.13	-98.9	1.1	3.0	1388.0
12/24/04	05:30:39	23.44	55.920	7.00	65	55.09	27.739	8.13	-98.9	1.0	2.9	6.2
12/24/04	06:00:40	23.42	55.931	6.93	65	54.95	27.639	8.12	-98.4	1.1	2.9	1388.0
12/24/04	06:30:39	23.39	55.922	6.91	65	54.68	27.459	8.12	-98.5	1.1	2.9	8.7
12/24/04	07:00:39	23.32	55.880	6.92	65	54.87	27.590	8.12	-98.5	1.0	2.9	1387.5
12/24/04	07:30:39	23.23	55.830	6.95	65	54.87	27.586	8.13	-98.7	1.0	2.9	1387.2
12/24/04	08:00:39	23.17	55.803	7.01	65	54.72	27.487	8.13	-98.8	1.2	2.8	6.2
12/24/04	08:30:40	23.10	55.758	6.97	65	54.76	27.510	8.13	-98.9	1.1	3.0	6.1
12/24/04	09:00:39	23.11	55.763	6.95	65	54.78	27.524	8.13	-99.0	1.1	3.0	1386.6
12/24/04	09:30:39	23.21	55.826	6.94	65	54.69	27.463	8.14	-99.2	1.2	2.9	1387.0
12/24/04	10:00:39	23.21	55.841	6.99	65	54.67	27.452	8.14	-99.2	1.2	2.9	6.2
12/24/04	10:30:39	23.21	55.836	6.93	65	54.64	27.431	8.14	-99.1	1.2	2.9	6.3
12/24/04	11:00:40	23.22	55.859	6.86	64	54.58	27.389	8.14	-99.2	1.1	2.8	6.1
12/24/04	11:30:39	23.26	55.901	6.87	65	54.59	27.391	8.14	-99.2	1.2	3.0	6.2
12/24/04	12:00:39	23.22	55.879	6.80	65	54.64	27.432	8.14	-99.2	1.1	2.9	6.1
12/24/04	12:30:39	23.16	55.842	6.81	65	54.51	27.336	8.14	-99.2	1.1	2.9	6.1
12/24/04	13:00:39	23.18	55.861	6.81	65	54.59	27.393	8.14	-99.4	1.2	2.8	6.1
12/24/04	13:30:40	23.25	55.919	6.78	65	54.52	27.346	8.14	-99.5	1.3	2.9	6.2
12/24/04	14:00:39	23.27	55.938	6.83	64	54.54	27.359	8.14	-99.3	2.6	2.9	1387.3
12/24/04	14:30:39	23.27	55.940	6.86	65	54.54	27.360	8.14	-99.5	3.5	2.9	1387.3
12/24/04	15:00:39	23.27	55.938	6.81	66	54.70	27.470	8.14	-99.5	4.7	3.0	6.2
12/24/04	15:30:39	23.28	55.941	6.90	64	54.67	27.449	8.14	-99.6	4.6	3.0	1387.3
12/24/04	16:00:40	23.30	55.953	6.94	65	54.86	27.578	8.15	-99.8	3.0	2.8	8.9
12/24/04	16:30:39	23.30	55.897	6.90	65	54.95	27.639	8.15	-100.0	6.2	2.9	6.2
12/24/04	17:00:39	23.30	55.926	6.92	65	54.84	27.569	8.15	-99.9	4.4	2.9	6.1
12/24/04	17:30:39	23.28	55.944	6.94	65	55.19	27.806	8.15	-100.0	8.5	2.9	1387.3
12/24/04	18:00:39	23.26	55.917	6.98	64	55.06	27.720	8.15	-100.2	9.6	2.9	9.1
12/24/04	18:30:40	23.24	55.915	6.95	65	55.39	27.943	8.16	-100.3	5.8	2.9	6.0
12/24/04	19:00:39	23.24	55.910	7.01	65	55.16	27.784	8.16	-100.3	8.5	2.8	1387.2
12/24/04	19:30:39	23.23	55.904	7.01	65	55.54	28.043	8.16	-100.6	4.6	2.9	1387.1
12/24/04	20:00:39	23.21	55.905	6.98	65	55.36	27.920	8.16	-100.7	5.7	2.9	6.2
12/24/04	20:30:39	23.16	55.907	7.03	65	55.32	27.894	8.16	-100.7	4.8	2.9	6.2
12/24/04	21:00:40	23.04	55.811	7.02	65	55.33	27.903	8.17	-100.8	3.4	2.9	6.1
12/24/04	21:30:39	22.97	55.770	7.06	65	55.56	28.061	8.17	-101.1	2.9	2.9	6.4
12/24/04	22:00:39	22.94	55.754	7.08	64	55.72	28.167	8.18	-101.3	3.8	3.0	1385.8
12/24/04	22:30:39	22.91	55.727	7.06	65	55.78	28.212	8.18	-101.6	2.0	2.9	9.2
12/24/04	23:00:39	22.86	55.719	7.02	65	55.62	28.101	8.18	-101.6	1.4	2.9	6.2
12/24/04	23:30:40	22.79	55.682	6.97	65	55.50	28.017	8.19	-101.8	1.0	2.9	6.1
12/25/04	00:00:39	22.74	55.665	6.93	64	55.79	28.219	8.19	-102.1	1.2	3.0	6.2
12/25/04	00:30:39	22.77	55.664	7.02	64	55.59	28.078	8.19	-102.2	1.1	2.9	6.2
12/25/04	01:00:39	22.77	55.683	6.98	65	55.39	27.940	8.20	-102.4	1.2	2.9	6.2
12/25/04	01:30:39	22.78	55.688	6.97	65	55.25	27.848	8.20	-102.4	1.2	2.9	6.1
12/25/04	02:00:40	22.78	55.711	6.98	65	55.50	28.021	8.20	-102.5	1.1	2.8	6.2
12/25/04	02:30:39	22.81	55.741	6.90	64	55.24	27.842	8.20	-102.6	1.1	2.8	1385.2
12/25/04	03:00:39	22.84	55.749	6.97	64	55.31	27.889	8.20	-102.6	1.1	2.9	1385.4
12/25/04	03:30:39	22.86	55.779	6.94	65	55.25	27.847	8.20	-102.8	1.1	2.9	1385.4
12/25/04	04:00:39	22.89	55.825	6.93	65	55.19	27.806	8.20	-102.7	1.2	3.0	6.2
12/25/04	04:30:40	22.92	55.827	6.91	65	55.38	27.935	8.20	-102.7	1.1	3.0	1385.7
12/25/04	05:00:39	22.96	55.873	6.91	65	55.10	27.740	8.20	-102.8	1.0	2.8	1385.9
12/25/04	05:30:39	22.99	55.894	6.94	65	55.23	27.830	8.20	-102.5	1.1	2.9	6.4
12/25/04	06:00:39	23.01	55.915	6.91	64	54.84	27.565	8.20	-102.5	1.1	3.0	6.2
12/25/04	06:30:39	23.02	55.916	6.95	64	54.93	27.625	8.20	-102.5	1.0	2.8	6.2
12/25/04	07:00:40	23.00	55.923	6.96	65	55.24	27.835	8.20	-102.5	1.1	2.9	6.3
12/25/04	07:30:39	22.99	55.910	7.00	64	55.20	27.813	8.20	-102.6	1.1	3.0	6.2
12/25/04	08:00:39	22.98	55.895	6.96	65	54.82	27.546	8.20	-102.5	1.2	2.9	6.2
12/25/04	08:30:39	22.95	55.864	6.94	65	54.97	27.654	8.20	-102.4	1.2	2.8	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/25/04	09:00:39	22.92	55.855	6.95	65	55.26	27.852	8.20	-102.4	1.1	2.8	1385.7
12/25/04	09:30:40	22.91	55.833	6.96	64	55.02	27.686	8.20	-102.4	1.1	2.9	1385.7
12/25/04	10:00:39	22.93	55.849	6.91	65	54.35	27.227	8.20	-102.6	1.1	2.9	6.4
12/25/04	10:30:39	22.91	55.853	6.98	65	54.59	27.395	8.20	-102.5	1.1	3.0	6.1
12/25/04	11:00:39	22.86	55.838	6.96	64	54.82	27.552	8.20	-102.4	1.2	2.9	6.1
12/25/04	11:30:39	22.83	55.827	6.96	64	54.50	27.333	8.20	-102.4	1.1	2.9	6.1
12/25/04	12:00:40	22.82	55.821	6.99	64	54.64	27.424	8.20	-102.5	1.1	3.0	6.2
12/25/04	12:30:39	22.82	55.827	6.93	64	54.71	27.471	8.20	-102.5	1.2	2.9	6.2
12/25/04	13:00:39	22.82	55.845	6.92	64	54.43	27.283	8.20	-102.5	1.1	2.9	1385.3
12/25/04	13:30:39	22.84	55.807	6.99	65	54.50	27.330	8.20	-102.5	1.4	2.8	1385.3
12/25/04	14:00:39	22.84	55.803	6.98	64	54.31	27.198	8.19	-102.2	2.2	2.8	6.4
12/25/04	14:30:40	22.84	55.805	6.99	65	54.37	27.239	8.19	-102.1	3.9	2.9	6.2
12/25/04	15:00:39	22.82	55.775	6.96	65	54.69	27.459	8.19	-102.1	4.1	2.9	6.2
12/25/04	15:30:39	22.79	55.757	6.95	64	54.64	27.429	8.19	-101.9	4.5	2.8	6.2
12/25/04	16:00:39	22.77	55.752	6.99	65	54.64	27.429	8.19	-101.9	4.5	2.9	6.4
12/25/04	16:30:39	22.76	55.749	7.02	64	54.64	27.426	8.19	-102.0	3.4	2.9	1385.0
12/25/04	17:00:40	22.75	55.723	7.02	64	54.87	27.587	8.19	-102.2	6.1	2.9	1385.0
12/25/04	17:30:39	22.72	55.719	7.09	64	54.89	27.601	8.19	-102.2	15.5	2.9	6.2
12/25/04	18:00:39	22.69	55.709	7.12	65	54.87	27.583	8.19	-102.1	21.9	2.8	1384.7
12/25/04	18:30:39	22.67	55.708	7.18	64	55.38	27.937	8.19	-102.2	28.1	2.9	1384.7
12/25/04	19:00:39	22.66	55.703	7.21	64	55.72	28.167	8.19	-102.1	30.0	2.9	1384.6
12/25/04	19:30:39	22.66	55.700	7.23	64	55.02	27.688	8.19	-102.2	24.2	2.9	6.4
12/25/04	20:00:39	22.67	55.713	7.26	64	55.30	27.883	8.20	-102.3	31.2	2.9	1384.6
12/25/04	20:30:39	22.68	55.712	7.26	64	55.60	28.084	8.20	-102.4	32.7	2.9	1384.7
12/25/04	21:00:39	22.72	55.753	7.26	65	55.46	27.986	8.20	-102.4	35.7	2.9	6.2
12/25/04	21:30:39	22.74	55.768	7.30	64	55.55	28.051	8.20	-102.4	24.2	2.9	6.2
12/25/04	22:00:39	22.76	55.775	7.29	64	55.51	28.027	8.20	-102.3	16.3	2.9	1385.0
12/25/04	22:30:39	22.78	55.783	7.25	64	55.76	28.198	8.19	-102.2	9.5	2.8	1385.1
12/25/04	23:00:39	22.76	55.760	7.17	64	55.33	27.904	8.19	-102.1	4.7	2.9	6.3
12/25/04	23:30:39	22.72	55.729	7.15	64	55.64	28.110	8.19	-102.2	1.6	2.9	6.2
12/26/04	00:00:39	22.70	55.710	7.11	64	55.38	27.934	8.19	-102.2	1.1	2.9	1384.8
12/26/04	00:30:39	22.69	55.683	7.02	64	55.61	28.092	8.20	-102.4	1.1	2.8	1384.7
12/26/04	01:00:39	22.67	55.690	7.09	64	55.71	28.164	8.20	-102.5	1.0	2.9	6.4
12/26/04	01:30:39	22.67	55.699	7.06	64	55.88	28.281	8.20	-102.4	1.2	2.9	6.2
12/26/04	02:00:39	22.65	55.681	7.05	64	55.66	28.126	8.20	-102.4	1.1	3.0	6.4
12/26/04	02:30:40	22.60	55.632	6.93	64	55.57	28.064	8.20	-102.5	1.0	2.9	7.0
12/26/04	03:00:39	22.58	55.657	6.90	65	55.51	28.026	8.20	-102.3	1.1	3.0	6.3
12/26/04	03:30:39	22.58	55.631	6.96	64	55.42	27.966	8.20	-102.4	1.1	2.9	1384.2
12/26/04	04:00:39	22.58	55.654	6.92	64	55.58	28.075	8.20	-102.4	1.1	2.9	1384.2
12/26/04	04:30:39	22.58	55.615	6.97	64	55.34	27.908	8.20	-102.4	1.2	2.9	6.4
12/26/04	05:00:40	22.56	55.606	6.97	64	55.54	28.049	8.20	-102.5	1.1	2.9	6.2
12/26/04	05:30:39	22.54	55.578	7.00	64	55.40	27.949	8.20	-102.6	1.0	2.9	1384.0
12/26/04	06:00:39	22.52	55.607	6.94	64	55.34	27.907	8.20	-102.5	1.0	2.9	1384.0
12/26/04	06:30:39	22.51	55.583	6.96	64	55.08	27.733	8.20	-102.6	1.1	2.8	6.4
12/26/04	07:00:39	22.51	55.581	6.98	64	55.35	27.916	8.20	-102.7	1.1	2.8	6.4
12/26/04	07:30:40	22.53	55.593	6.93	64	55.20	27.813	8.20	-102.7	1.1	2.8	6.2
12/26/04	08:00:39	22.54	55.606	6.83	64	55.15	27.781	8.20	-102.7	1.1	2.9	1384.0
12/26/04	08:30:39	22.55	55.620	6.94	64	55.12	27.753	8.20	-102.8	1.1	3.0	1384.1
12/26/04	09:00:39	22.56	55.670	6.94	64	55.02	27.686	8.20	-102.7	1.1	3.1	6.3
12/26/04	09:30:39	22.57	55.641	6.85	64	55.01	27.679	8.20	-102.6	1.2	2.9	6.2
12/26/04	10:00:40	22.57	55.648	6.95	64	54.93	27.627	8.20	-102.6	1.2	2.9	6.3
12/26/04	10:30:39	22.59	55.659	6.97	64	54.93	27.626	8.21	-102.9	1.2	2.8	6.4
12/26/04	11:00:39	22.62	55.676	6.98	64	54.83	27.555	8.20	-102.7	1.1	2.9	6.2
12/26/04	11:30:39	22.71	55.785	6.87	64	54.73	27.490	8.20	-102.7	1.1	2.9	6.2
12/26/04	12:00:39	22.88	55.884	6.90	64	54.45	27.295	8.20	-102.7	1.1	2.9	6.1
12/26/04	12:30:40	22.98	55.893	6.83	64	54.52	27.341	8.20	-102.5	1.1	2.9	6.1
12/26/04	13:00:39	23.03	55.918	6.82	64	54.71	27.477	8.20	-102.4	1.6	2.9	6.1
12/26/04	13:30:39	23.08	55.940	6.92	65	54.52	27.344	8.19	-102.3	5.9	2.8	6.1
12/26/04	14:00:39	23.10	55.943	6.92	64	54.52	27.346	8.19	-102.1	13.6	2.9	6.2
12/26/04	14:30:39	23.12	55.953	7.00	64	54.46	27.305	8.18	-101.7	22.7	3.0	6.2
12/26/04	15:00:40	23.13	55.952	7.08	65	54.47	27.309	8.18	-101.6	33.8	2.8	6.1

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
12/26/04	15:30:39	23.17	55.968	7.11	64	54.69	27.463	8.18	-101.4	48.3	3.0	6.2
12/26/04	16:00:39	23.22	55.997	7.18	64	54.74	27.498	8.18	-101.3	54.0	2.9	1387.0
12/26/04	16:30:39	23.26	56.004	7.24	65	54.57	27.376	8.17	-101.3	73.6	2.9	1387.2
12/26/04	17:00:39	23.28	56.008	7.24	64	54.57	27.377	8.17	-101.1	72.0	2.8	6.2
12/26/04	17:30:40	23.31	56.014	7.33	65	54.65	27.431	8.17	-101.0	86.3	3.0	6.0
12/26/04	18:00:39	23.34	56.028	7.38	65	54.81	27.547	8.17	-100.9	87.9	2.8	6.0
12/26/04	18:30:39	23.35	56.029	7.41	65	55.08	27.729	8.16	-100.6	87.7	2.9	6.1
12/26/04	19:00:39	23.33	56.022	7.41	65	54.94	27.636	8.16	-100.5	85.2	3.0	6.1
12/26/04	19:30:39	23.32	56.026	7.37	65	55.08	27.732	8.16	-100.2	76.4	2.9	1387.5
12/26/04	20:00:40	23.33	56.024	7.40	64	55.07	27.723	8.15	-100.0	69.2	2.8	1387.6
12/26/04	20:30:39	23.30	56.034	7.40	64	55.43	27.968	8.15	-100.0	56.8	3.0	6.2
12/26/04	21:00:39	23.23	56.033	7.40	64	55.43	27.968	8.16	-100.3	42.9	2.9	6.1
12/26/04	21:30:39	23.20	56.029	7.33	64	55.12	27.758	8.16	-100.2	30.9	2.9	1387.0
12/26/04	22:00:39	23.20	56.039	7.29	65	55.31	27.886	8.15	-100.2	22.6	2.9	1386.9
12/26/04	22:30:40	23.19	56.036	7.27	65	55.37	27.928	8.15	-99.9	13.3	2.9	6.2
12/26/04	23:00:39	23.19	56.032	7.20	64	55.19	27.806	8.15	-99.8	5.9	2.9	6.1
12/26/04	23:30:39	23.19	56.044	7.11	65	55.41	27.952	8.15	-99.7	1.6	3.0	6.1
12/27/04	00:00:39	23.16	56.038	7.02	65	55.40	27.945	8.15	-99.7	1.0	2.9	1386.7
12/27/04	00:30:39	23.13	56.060	7.01	64	55.33	27.900	8.14	-99.6	1.1	3.0	1386.7
12/27/04	01:00:40	23.13	56.016	6.99	64	55.67	28.130	8.14	-99.5	1.1	2.9	6.4
12/27/04	01:30:39	23.05	56.007	6.93	65	55.31	27.882	8.14	-99.3	1.1	2.9	6.1
12/27/04	02:00:39	23.01	55.976	6.91	65	55.50	28.014	8.14	-99.1	1.2	3.0	6.1
12/27/04	02:30:39	23.01	55.993	6.96	64	55.52	28.032	8.14	-99.2	1.1	2.9	1386.2
12/27/04	03:00:39	23.01	55.967	6.93	64	55.49	28.007	8.14	-99.2	1.1	2.9	9.2
12/27/04	03:30:40	23.06	56.005	6.87	64	55.48	28.002	8.14	-99.1	1.1	2.9	6.1
12/27/04	04:00:39	23.00	56.035	6.86	65	55.41	27.955	8.12	-98.2	1.0	2.9	6.2
12/27/04	04:30:39	22.96	56.003	6.86	64	55.39	27.943	8.12	-98.3	1.1	2.9	6.2
12/27/04	05:00:39	22.91	56.009	6.86	64	55.26	27.851	8.12	-98.3	1.0	2.9	1385.8
12/27/04	05:30:39	22.89	56.002	6.91	65	55.15	27.771	8.13	-98.5	1.1	2.8	1385.6
12/27/04	06:00:40	22.87	55.995	6.85	64	55.17	27.787	8.12	-98.3	1.1	2.9	6.2
12/27/04	06:30:39	22.81	55.989	6.65	64	55.24	27.833	8.12	-98.3	1.1	3.0	6.1
12/27/04	07:00:39	22.80	55.991	6.77	64	55.13	27.763	8.12	-98.1	1.1	2.8	6.2
12/27/04	07:30:39	22.75	55.961	6.84	64	55.17	27.789	8.12	-98.3	1.1	3.0	6.1
12/27/04	08:00:39	22.73	55.985	6.85	64	55.12	27.754	8.12	-98.2	1.1	3.0	6.0
12/27/04	08:30:39	22.78	55.993	6.86	64	54.96	27.642	8.12	-98.2	1.1	2.8	6.2
12/27/04	09:00:39	22.79	55.984	6.78	65	54.81	27.539	8.12	-98.1	1.1	2.9	6.1
12/27/04	09:30:39	22.79	55.985	6.87	64	54.98	27.658	8.12	-98.3	1.0	2.8	1385.2
12/27/04	10:00:39	22.81	55.961	6.79	64	54.71	27.470	8.12	-98.4	1.1	2.9	1385.3
12/27/04	10:30:39	22.85	55.953	6.91	64	54.75	27.503	8.12	-98.4	1.1	2.9	6.3
12/27/04	11:00:39	22.88	55.955	6.89	65	54.80	27.536	8.13	-98.5	1.2	2.9	1385.6
12/27/04	11:30:39	22.92	55.987	6.72	64	54.72	27.481	8.12	-98.3	1.1	3.0	1385.7
12/27/04	12:00:39	22.92	55.998	6.81	65	54.56	27.369	8.12	-98.3	1.1	2.8	6.2
12/27/04	12:30:39	22.92	55.977	6.88	64	54.70	27.466	8.12	-98.3	1.1	2.9	6.1
12/27/04	13:00:39	22.95	55.981	6.59	64	54.58	27.386	8.12	-98.1	1.4	2.9	6.2
12/27/04	13:30:39	22.95	55.993	6.78	64	54.57	27.378	8.12	-98.1	4.6	3.0	6.1
12/27/04	14:00:39	22.94	55.964	6.71	64	54.46	27.300	8.12	-98.0	10.6	2.9	6.1
12/27/04	14:30:39	22.96	55.972	6.82	65	54.46	27.299	8.11	-97.8	11.1	2.9	6.1
12/27/04	15:00:39	22.92	55.945	6.99	64	54.65	27.433	8.11	-97.8	28.6	3.0	1385.8
12/27/04	15:30:40	22.88	55.903	7.02	64	54.64	27.423	8.11	-97.8	17.9	2.9	8.3
12/27/04	16:00:39	22.73	55.815	7.07	65	54.61	27.403	8.11	-97.8	19.5	2.9	6.3
12/27/04	16:30:39	22.70	55.792	7.08	64	54.58	27.381	8.11	-97.8	25.0	3.0	6.2
12/27/04	17:00:39	22.69	55.762	7.19	64	54.68	27.454	8.12	-98.1	63.5	2.9	6.2
12/27/04	17:30:39	22.60	55.719	7.28	64	54.72	27.480	8.12	-98.1	51.3	2.9	6.4
12/27/04	18:00:40	22.49	55.643	7.21	64	54.89	27.600	8.11	-97.7	23.5	2.9	6.2
12/27/04	18:30:39	22.50	55.640	7.29	64	54.95	27.637	8.12	-98.1	69.4	2.8	1383.9
12/27/04	19:00:39	22.52	55.671	7.24	64	55.04	27.704	8.12	-98.1	61.1	2.8	1384.0
12/27/04	19:30:39	22.51	55.639	7.16	64	54.99	27.667	8.12	-98.0	20.9	2.9	6.3
12/27/04	20:00:39	22.50	55.650	7.27	64	55.08	27.727	8.12	-98.1	46.8	2.9	6.3
12/27/04	20:30:40	22.48	55.656	7.19	64	55.22	27.822	8.12	-98.0	17.7	2.8	1383.8
12/27/04	21:00:39	22.51	55.682	7.24	64	55.24	27.841	8.12	-98.2	31.3	2.9	1383.9
12/27/04	21:30:39	22.61	55.751	7.14	64	55.30	27.877	8.12	-98.1	21.7	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/27/04	22:00:39	22.70	55.816	7.15	64	55.34	27.907	8.12	-98.0	13.2	2.9	6.1
12/27/04	22:30:39	22.76	55.862	7.07	64	55.40	27.946	8.12	-98.0	7.4	2.9	6.3
12/27/04	23:00:40	22.77	55.856	7.11	64	55.46	27.986	8.12	-98.0	4.4	2.9	1385.1
12/27/04	23:30:39	22.78	55.887	7.01	65	55.50	28.017	8.11	-97.9	1.4	2.8	1385.1
12/28/04	00:00:39	22.73	55.863	6.99	64	55.49	28.008	8.11	-97.9	1.0	2.9	6.3
12/28/04	00:30:39	22.70	55.858	7.05	64	55.47	27.992	8.12	-98.0	1.2	2.9	6.2
12/28/04	01:00:39	22.62	55.803	7.04	63	55.50	28.014	8.12	-97.9	1.2	2.9	6.2
12/28/04	01:30:40	22.59	55.789	6.98	64	55.46	27.990	8.11	-97.8	1.0	3.0	6.2
12/28/04	02:00:39	22.55	55.777	6.94	64	55.57	28.064	8.12	-98.0	1.1	2.9	6.4
12/28/04	02:30:39	22.51	55.772	6.97	64	55.55	28.050	8.12	-98.0	1.1	2.9	6.2
12/28/04	03:00:39	22.46	55.724	7.01	64	55.47	27.994	8.11	-97.8	1.2	2.9	1383.7
12/28/04	03:30:39	22.42	55.687	6.96	64	55.49	28.012	8.11	-97.7	1.2	2.9	9.4
12/28/04	04:00:39	22.40	55.663	7.03	64	55.50	28.019	8.12	-98.2	1.2	2.9	1383.4
12/28/04	04:30:39	22.38	55.668	6.90	64	55.39	27.943	8.12	-98.2	1.0	2.9	1383.4
12/28/04	05:00:39	22.35	55.638	6.93	63	55.42	27.962	8.12	-98.1	1.1	2.9	1383.3
12/28/04	05:30:39	22.34	55.636	6.95	63	55.34	27.907	8.12	-98.1	1.1	3.0	1383.2
12/28/04	06:00:39	22.32	55.648	7.01	64	55.32	27.891	8.12	-98.1	1.1	3.0	6.3
12/28/04	06:30:39	22.31	55.659	6.99	64	55.29	27.872	8.12	-98.1	1.1	3.0	6.2
12/28/04	07:00:39	22.29	55.712	6.91	63	55.28	27.864	8.12	-98.1	1.0	2.8	1382.9
12/28/04	07:30:39	22.28	55.683	6.83	64	55.29	27.869	8.12	-98.1	1.1	2.9	1382.9
12/28/04	08:00:39	22.26	55.696	6.94	64	55.25	27.842	8.12	-98.2	1.1	2.9	6.3
12/28/04	08:30:39	22.27	55.740	6.84	63	55.10	27.738	8.12	-98.1	1.0	2.9	6.2
12/28/04	09:00:39	22.32	55.759	6.98	63	55.03	27.691	8.12	-98.2	1.2	3.0	6.2
12/28/04	09:30:39	22.33	55.763	6.92	64	54.98	27.656	8.12	-98.2	1.1	3.0	6.2
12/28/04	10:00:39	22.41	55.709	6.87	64	54.90	27.605	8.12	-98.2	1.1	2.9	6.3
12/28/04	10:30:39	22.47	55.802	6.87	63	54.86	27.574	8.12	-98.1	1.1	2.8	6.1
12/28/04	11:00:39	22.45	55.787	6.90	64	54.83	27.551	8.12	-98.0	1.1	2.9	6.2
12/28/04	11:30:39	22.51	55.809	6.93	64	54.74	27.491	8.12	-98.3	1.1	2.8	6.1
12/28/04	12:00:39	22.63	55.872	6.90	65	54.72	27.482	8.12	-98.3	1.0	2.9	6.0
12/28/04	12:30:39	22.74	55.887	6.96	64	54.66	27.439	8.12	-98.3	1.1	2.9	6.1
12/28/04	13:00:39	22.77	55.907	6.91	64	54.67	27.441	8.12	-98.3	1.3	2.8	6.1
12/28/04	13:30:39	22.75	55.887	6.84	64	54.59	27.392	8.12	-98.0	4.0	2.9	1385.0
12/28/04	14:00:39	22.76	55.886	6.88	64	54.49	27.323	8.12	-98.1	8.9	2.8	1385.1
12/28/04	14:30:39	22.80	55.894	6.83	64	54.54	27.354	8.12	-98.0	11.4	2.8	1385.2
12/28/04	15:00:39	22.80	55.895	7.03	64	54.56	27.369	8.11	-97.9	18.2	2.9	1385.1
12/28/04	15:30:39	22.79	55.894	7.05	65	54.67	27.443	8.11	-97.8	23.9	2.8	6.2
12/28/04	16:00:39	22.79	55.893	7.12	64	54.59	27.388	8.11	-97.9	28.3	2.9	6.1
12/28/04	16:30:39	22.78	55.892	7.11	65	54.70	27.462	8.12	-98.0	47.9	2.9	6.3
12/28/04	17:00:39	22.82	55.896	7.22	64	54.66	27.438	8.11	-97.9	49.8	3.0	1385.3
12/28/04	17:30:39	22.87	55.971	7.16	64	54.75	27.497	8.11	-97.8	16.4	2.9	1385.5
12/28/04	18:00:39	22.91	55.982	7.03	65	54.76	27.509	8.11	-97.7	16.6	3.0	6.2
12/28/04	18:30:40	22.95	55.994	7.03	65	54.82	27.548	8.11	-97.7	12.6	2.9	1385.9
12/28/04	19:00:39	22.98	55.993	6.99	64	54.91	27.611	8.11	-97.7	6.7	2.9	1386.0
12/28/04	19:30:39	22.98	55.943	7.02	64	55.01	27.677	8.11	-97.6	5.5	3.0	6.2
12/28/04	20:00:39	22.96	55.932	6.95	64	55.05	27.705	8.11	-97.5	7.5	2.9	6.3
12/28/04	20:30:39	22.87	55.893	7.03	64	55.06	27.712	8.10	-97.4	9.2	2.9	6.3
12/28/04	21:00:40	22.87	55.892	6.96	64	55.19	27.804	8.10	-97.4	7.1	2.8	1385.5
12/28/04	21:30:39	22.88	55.898	7.01	64	55.21	27.818	8.11	-97.5	23.8	2.9	1385.6
12/28/04	22:00:39	22.85	55.883	6.98	64	55.29	27.872	8.11	-97.4	16.3	3.0	6.2
12/28/04	22:30:39	22.84	55.879	6.99	64	55.33	27.896	8.10	-97.4	9.2	2.9	6.3
12/28/04	23:00:39	22.84	55.876	6.92	64	55.39	27.938	8.10	-97.3	3.0	2.9	6.2
12/28/04	23:30:40	22.74	55.890	6.64	64	55.44	27.971	8.10	-97.2	1.4	2.9	6.2
12/29/04	00:00:39	22.60	55.770	6.90	64	55.35	27.914	8.10	-97.2	1.1	2.9	6.1
12/29/04	00:30:39	22.54	55.735	6.82	64	55.35	27.915	8.10	-97.2	1.1	2.9	6.2
12/29/04	01:00:39	22.59	55.777	6.72	64	55.40	27.947	8.10	-97.2	1.1	2.8	1384.3
12/29/04	01:30:39	22.59	55.789	6.87	64	55.43	27.965	8.11	-97.4	1.2	3.0	9.4
12/29/04	02:00:40	22.52	55.767	6.65	64	55.40	27.945	8.10	-97.2	1.1	3.0	6.3
12/29/04	02:30:39	22.47	55.739	6.91	63	55.39	27.938	8.10	-97.2	1.1	2.8	6.1
12/29/04	03:00:39	22.45	55.744	6.92	64	55.36	27.921	8.11	-97.3	1.2	2.9	6.2
12/29/04	03:30:39	22.49	55.756	6.85	64	55.41	27.954	8.11	-97.3	1.2	2.9	6.2
12/29/04	04:00:39	22.44	55.733	6.90	64	55.27	27.860	8.10	-97.2	1.0	3.0	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/29/04	04:30:40	22.17	55.586	6.96	64	55.29	27.869	8.10	-97.0	1.2	2.9	6.2
12/29/04	05:00:39	22.06	55.530	6.99	63	55.45	27.980	8.10	-97.1	1.1	2.9	6.3
12/29/04	05:30:39	22.05	55.518	6.90	64	55.33	27.900	8.10	-97.1	1.1	2.9	6.3
12/29/04	06:00:39	22.06	55.526	6.79	64	55.33	27.899	8.10	-97.0	1.2	2.9	6.5
12/29/04	06:30:39	22.06	55.529	6.84	64	55.31	27.886	8.10	-97.0	1.2	2.9	6.2
12/29/04	07:00:40	22.07	55.544	6.89	63	55.32	27.893	8.10	-97.0	1.2	2.8	6.5
12/29/04	07:30:39	22.12	55.591	6.85	63	55.15	27.775	8.10	-97.0	1.1	2.9	6.2
12/29/04	08:00:39	22.17	55.606	6.88	64	55.34	27.902	8.10	-97.0	1.1	2.9	6.2
12/29/04	08:30:39	22.16	55.620	6.91	64	55.07	27.721	8.10	-97.0	1.1	2.9	6.2
12/29/04	09:00:39	22.16	55.610	6.90	63	55.20	27.809	8.10	-97.0	1.2	2.9	6.2
12/29/04	09:30:40	22.15	55.626	6.84	63	55.00	27.671	8.10	-97.0	1.1	2.9	6.3
12/29/04	10:00:39	22.14	55.660	6.76	63	55.01	27.678	8.10	-97.0	1.2	2.9	1382.3
12/29/04	10:30:39	22.13	55.597	6.95	63	54.90	27.602	8.10	-97.0	1.1	2.9	9.1
12/29/04	11:00:39	22.13	55.605	6.84	63	54.92	27.614	8.10	-96.9	1.0	2.9	6.2
12/29/04	11:30:39	22.13	55.593	6.92	63	54.92	27.620	8.10	-96.9	1.2	2.9	6.2
12/29/04	12:00:40	22.13	55.599	6.88	63	54.69	27.457	8.10	-96.9	1.1	3.0	6.4
12/29/04	12:30:39	22.12	55.589	6.89	63	54.76	27.509	8.10	-96.8	1.2	2.8	1382.3
12/29/04	13:00:39	22.12	55.633	6.87	64	54.62	27.409	8.10	-96.9	1.2	2.8	1382.2
12/29/04	13:30:39	22.12	55.582	6.86	63	54.70	27.464	8.10	-96.9	3.4	2.9	6.4
12/29/04	14:00:39	22.11	55.585	6.85	64	54.78	27.521	8.10	-96.9	6.5	2.8	6.1
12/29/04	14:30:40	22.12	55.596	6.92	64	54.71	27.474	8.10	-96.8	14.2	2.8	6.2
12/29/04	15:00:39	22.14	55.592	6.87	63	54.73	27.488	8.10	-96.7	19.1	2.9	6.2
12/29/04	15:30:39	22.15	55.593	7.01	64	54.61	27.403	8.10	-96.8	20.9	3.0	6.5
12/29/04	16:00:39	22.15	55.587	6.95	64	54.56	27.373	8.10	-96.7	24.4	2.9	6.2
12/29/04	16:30:39	22.13	55.568	7.01	64	54.69	27.459	8.10	-96.9	34.4	3.0	6.3
12/29/04	17:00:40	22.10	55.543	7.11	64	54.75	27.498	8.10	-96.9	38.9	2.9	6.4
12/29/04	17:30:39	22.08	55.543	7.11	63	54.73	27.484	8.10	-96.9	43.4	3.1	6.2
12/29/04	18:00:39	22.07	55.512	7.27	64	54.83	27.558	8.10	-96.9	46.2	3.0	1382.0
12/29/04	18:30:39	22.04	55.498	7.23	64	54.81	27.544	8.10	-96.9	46.7	2.8	1381.9
12/29/04	19:00:39	21.98	55.460	7.28	64	54.88	27.588	8.10	-96.9	42.6	2.9	6.4
12/29/04	19:30:40	21.91	55.415	7.34	63	54.89	27.595	8.10	-96.9	40.2	3.0	6.2
12/29/04	20:00:39	21.83	55.365	7.29	63	55.03	27.693	8.10	-96.9	31.1	2.8	1380.9
12/29/04	20:30:39	21.76	55.331	7.36	63	55.03	27.693	8.10	-96.7	25.6	2.9	230.7
12/29/04	21:00:39	21.71	55.306	7.29	64	55.12	27.756	8.10	-96.7	16.1	2.9	1380.4
12/29/04	21:30:39	21.69	55.285	7.18	63	55.17	27.788	8.10	-96.6	17.0	2.9	1380.4
12/29/04	22:00:40	21.69	55.352	7.24	63	55.20	27.810	8.10	-96.6	7.4	2.8	6.5
12/29/04	22:30:39	21.68	55.331	7.25	63	55.32	27.891	8.10	-96.6	6.6	2.8	1380.4
12/29/04	23:00:39	21.67	55.352	7.19	62	55.30	27.876	8.10	-96.7	3.8	2.9	9.4
12/29/04	23:30:39	21.76	55.364	7.08	63	55.35	27.910	8.10	-96.7	1.6	3.0	6.4
12/30/04	00:00:39	21.85	55.384	7.05	63	55.39	27.939	8.10	-96.7	1.1	3.0	6.2
12/30/04	00:30:40	22.00	55.446	7.00	63	55.40	27.949	8.10	-97.0	1.2	2.9	1381.7
12/30/04	01:00:39	22.03	55.479	6.99	63	55.44	27.973	8.10	-96.9	1.1	2.9	1381.8
12/30/04	01:30:39	22.01	55.489	6.96	63	55.48	28.000	8.10	-96.7	1.1	2.9	6.4
12/30/04	02:00:39	22.02	55.476	7.02	64	55.43	27.968	8.10	-96.6	1.0	2.9	6.4
12/30/04	02:30:39	22.02	55.501	7.06	64	55.41	27.951	8.10	-96.7	1.2	3.0	1381.8
12/30/04	03:00:40	22.01	55.485	6.97	63	55.42	27.960	8.10	-96.7	1.2	3.0	1381.8
12/30/04	03:30:39	22.00	55.473	6.98	64	55.48	28.002	8.10	-96.6	1.1	2.9	6.4
12/30/04	04:00:39	22.02	55.481	6.97	64	55.44	27.978	8.09	-96.6	1.1	3.0	6.3
12/30/04	04:30:39	22.02	55.476	6.91	64	55.33	27.902	8.10	-96.7	1.1	2.9	1381.8
12/30/04	05:00:39	21.98	55.453	6.94	63	55.29	27.875	8.10	-96.7	1.0	2.8	1381.7
12/30/04	05:30:40	21.98	55.452	6.96	64	55.32	27.895	8.09	-96.6	1.1	2.9	1381.7
12/30/04	06:00:39	21.98	55.454	6.97	63	55.12	27.752	8.09	-96.6	1.1	2.9	6.5
12/30/04	06:30:39	21.99	55.444	6.89	63	55.31	27.887	8.10	-96.6	1.2	2.9	6.4
12/30/04	07:00:39	21.96	55.444	6.98	63	55.29	27.872	8.09	-96.5	1.1	2.9	6.4
12/30/04	07:30:39	21.97	55.459	6.86	63	55.13	27.765	8.09	-96.6	1.0	2.8	6.2
12/30/04	08:00:40	21.99	55.479	6.95	63	55.00	27.673	8.09	-96.6	1.1	2.8	6.3
12/30/04	08:30:39	22.00	55.479	6.97	63	55.05	27.707	8.09	-96.6	1.1	2.8	6.4
12/30/04	09:00:39	22.00	55.468	6.97	63	55.25	27.847	8.09	-96.6	1.1	2.9	6.3
12/30/04	09:30:39	21.97	55.452	6.93	63	55.10	27.740	8.09	-96.6	1.0	2.9	1381.6
12/30/04	10:00:39	21.94	55.423	7.00	64	54.95	27.641	8.09	-96.5	1.1	2.9	9.0
12/30/04	10:30:40	21.93	55.436	6.95	63	54.96	27.647	8.09	-96.5	1.1	2.9	1381.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/30/04	11:00:39	21.93	55.436	7.01	63	54.83	27.552	8.09	-96.6	1.2	2.9	1381.4
12/30/04	11:30:39	21.93	55.432	7.04	63	54.83	27.555	8.09	-96.5	1.1	3.0	9.2
12/30/04	12:00:39	21.92	55.468	6.98	63	54.83	27.554	8.09	-96.6	1.2	3.0	6.2
12/30/04	12:30:39	21.92	55.436	6.97	63	54.61	27.405	8.09	-96.5	1.2	2.9	6.3
12/30/04	13:00:40	21.93	55.410	6.96	63	54.76	27.509	8.09	-96.5	1.2	2.9	6.4
12/30/04	13:30:39	21.93	55.409	6.97	63	54.52	27.342	8.09	-96.5	2.3	2.9	6.4
12/30/04	14:00:39	21.93	55.398	7.00	64	54.78	27.522	8.09	-96.4	5.1	2.9	1381.4
12/30/04	14:30:39	21.94	55.475	7.01	62	54.78	27.519	8.09	-96.4	8.5	2.9	1381.4
12/30/04	15:00:39	21.95	55.414	6.92	63	54.68	27.452	8.09	-96.4	9.9	2.9	6.4
12/30/04	15:30:40	21.96	55.417	6.96	63	54.60	27.397	8.09	-96.4	22.3	2.8	6.2
12/30/04	16:00:39	21.97	55.414	7.06	63	54.69	27.460	8.09	-96.3	21.7	3.0	6.5
12/30/04	16:30:39	21.96	55.412	7.13	63	54.67	27.443	8.09	-96.4	25.9	2.8	6.4
12/30/04	17:00:39	21.96	55.415	7.15	63	54.46	27.302	8.09	-96.3	29.9	3.0	6.3
12/30/04	17:30:39	21.96	55.407	7.20	63	54.78	27.525	8.09	-96.4	30.7	2.9	6.3
12/30/04	18:00:40	21.95	55.401	7.15	63	54.71	27.475	8.09	-96.1	15.2	2.8	1381.5
12/30/04	18:30:39	21.94	55.428	7.14	63	54.78	27.520	8.09	-96.1	17.8	2.9	1381.5
12/30/04	19:00:39	21.92	55.397	7.19	63	54.82	27.547	8.09	-96.2	20.4	3.0	6.5
12/30/04	19:30:39	21.93	55.409	7.21	64	54.92	27.621	8.09	-96.3	12.7	3.0	6.4
12/30/04	20:00:39	21.99	55.449	7.12	63	54.72	27.483	8.09	-96.3	13.3	3.0	6.2
12/30/04	20:30:39	22.02	55.474	7.19	63	55.11	27.750	8.09	-96.3	6.8	2.9	6.3
12/30/04	21:00:39	22.04	55.512	7.14	63	55.04	27.700	8.09	-96.2	8.7	2.9	1381.9
12/30/04	21:30:39	22.06	55.491	7.14	64	55.06	27.712	8.09	-96.3	14.3	2.9	1382.0
12/30/04	22:00:39	22.06	55.498	7.10	63	55.21	27.817	8.09	-96.1	11.2	3.0	6.3
12/30/04	22:30:39	22.06	55.498	7.13	63	55.28	27.866	8.09	-96.2	6.7	2.9	1382.0
12/30/04	23:00:39	22.06	55.516	7.13	63	55.43	27.967	8.09	-96.1	2.9	2.9	1382.0
12/30/04	23:30:39	22.05	55.521	7.02	63	55.44	27.975	8.09	-96.2	1.3	2.9	6.5
12/31/04	00:00:39	22.06	55.555	6.93	63	55.27	27.859	8.09	-96.3	1.1	2.9	6.2
12/31/04	00:30:39	22.06	55.512	6.91	63	55.24	27.834	8.09	-96.3	1.0	2.9	6.4
12/31/04	01:00:39	22.06	55.487	7.01	63	55.14	27.769	8.09	-96.3	1.1	2.9	6.3
12/31/04	01:30:39	22.05	55.481	7.05	63	55.68	28.140	8.09	-96.3	1.1	2.9	6.4
12/31/04	02:00:39	22.04	55.494	6.99	63	55.32	27.894	8.09	-96.4	1.1	3.0	6.3
12/31/04	02:30:39	22.08	55.547	7.02	64	55.40	27.943	8.09	-96.3	1.1	2.9	6.3
12/31/04	03:00:39	22.18	55.522	6.95	64	55.48	28.004	8.09	-96.4	1.1	2.9	6.2
12/31/04	03:30:39	22.08	55.505	6.96	64	55.19	27.805	8.09	-96.2	1.1	2.9	6.2
12/31/04	04:00:39	22.01	55.430	6.98	63	55.43	27.968	8.09	-96.3	1.1	2.8	6.5
12/31/04	04:30:39	21.97	55.442	6.91	63	55.52	28.027	8.08	-96.1	1.1	2.9	6.6
12/31/04	05:00:39	21.96	55.400	6.98	63	55.64	28.114	8.09	-96.2	1.2	3.0	6.4
12/31/04	05:30:39	21.98	55.406	6.94	63	55.46	27.990	8.09	-96.2	1.0	2.9	6.2
12/31/04	06:00:40	22.02	55.419	6.92	63	55.09	27.737	8.09	-96.3	1.1	3.0	6.4
12/31/04	06:30:39	22.05	55.433	6.98	63	55.49	28.008	8.09	-96.3	1.2	2.9	6.4
12/31/04	07:00:39	22.00	55.394	6.94	63	55.46	27.988	8.09	-96.2	1.0	2.9	6.4
12/31/04	07:30:39	21.96	55.376	6.96	64	55.31	27.885	8.09	-96.1	1.1	2.8	6.3
12/31/04	08:00:39	21.94	55.377	6.93	63	55.27	27.858	8.09	-96.1	1.2	2.9	6.4
12/31/04	08:30:40	21.97	55.437	6.94	64	55.08	27.726	8.08	-96.1	1.1	2.9	6.3
12/31/04	09:00:39	21.97	55.396	6.98	63	55.17	27.789	8.08	-96.1	1.1	2.9	6.3
12/31/04	09:30:39	21.98	55.373	6.94	63	55.15	27.774	8.09	-96.1	1.2	2.9	1381.6
12/31/04	10:00:39	22.00	55.383	6.95	63	55.09	27.738	8.09	-96.1	1.1	2.9	1381.7
12/31/04	10:30:39	21.97	55.422	6.87	63	54.93	27.624	8.08	-96.1	1.1	2.9	6.4
12/31/04	11:00:40	21.94	55.354	6.97	63	55.05	27.707	8.08	-96.0	1.2	2.9	6.4
12/31/04	11:30:39	21.94	55.331	6.93	63	55.21	27.816	8.08	-96.0	1.2	2.9	6.6
12/31/04	12:00:39	21.94	55.346	6.90	63	55.15	27.775	8.08	-96.0	1.1	3.0	6.5
12/31/04	12:30:39	21.88	55.306	6.95	63	54.96	27.643	8.08	-96.0	1.1	2.8	1381.2
12/31/04	13:00:39	21.86	55.309	6.89	63	54.95	27.638	8.08	-95.9	1.1	3.0	1381.1
12/31/04	13:30:40	21.87	55.346	6.92	63	54.90	27.607	8.08	-95.9	1.8	2.9	190.6
12/31/04	14:00:39	21.85	55.279	6.95	62	54.84	27.563	8.08	-96.0	4.0	2.9	6.5
12/31/04	14:30:39	21.84	55.334	7.00	63	55.01	27.678	8.08	-95.9	5.6	2.9	6.4
12/31/04	15:00:39	21.85	55.269	6.99	63	54.78	27.522	8.08	-96.0	7.6	2.9	6.4
12/31/04	15:30:39	21.85	55.257	6.85	63	54.92	27.620	8.08	-95.9	7.9	2.9	1381.1
12/31/04	16:00:40	21.87	55.265	6.98	63	54.88	27.594	8.08	-95.9	7.1	2.9	1381.1
12/31/04	16:30:39	21.92	55.289	7.01	63	54.60	27.403	8.08	-95.9	25.1	2.9	6.2
12/31/04	17:00:39	21.90	55.272	7.07	63	54.66	27.441	8.08	-95.8	14.9	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
12/31/04	17:30:39	21.87	55.260	7.12	63	54.79	27.528	8.08	-95.7	13.9	2.9	6.4
12/31/04	18:00:39	21.74	55.190	6.99	63	54.82	27.554	8.08	-95.5	6.8	3.0	6.7
12/31/04	18:30:39	21.76	55.187	7.02	63	54.86	27.577	8.08	-95.6	8.5	2.9	1380.7
12/31/04	19:00:39	21.78	55.192	7.05	63	54.68	27.452	8.08	-95.6	9.9	2.9	1380.7
12/31/04	19:30:39	21.79	55.224	6.99	63	54.89	27.599	8.08	-95.6	9.6	2.9	6.5
12/31/04	20:00:39	21.80	55.202	7.03	62	55.00	27.678	8.08	-95.7	8.4	3.0	6.3
12/31/04	20:30:39	21.80	55.197	6.99	62	54.98	27.663	8.08	-95.6	8.6	2.8	6.5
12/31/04	21:00:39	21.75	55.155	7.03	62	54.92	27.618	8.08	-95.6	9.5	2.9	6.5
12/31/04	21:30:39	21.63	55.091	7.15	63	55.18	27.802	8.08	-95.6	6.7	2.8	6.5
12/31/04	22:00:39	21.59	55.135	7.12	63	55.07	27.725	8.08	-95.7	4.2	2.8	6.5
12/31/04	22:30:39	21.54	55.031	7.16	63	55.00	27.675	8.08	-95.8	5.1	3.0	6.5
12/31/04	23:00:39	21.48	54.996	7.06	62	55.18	27.796	8.08	-95.7	2.2	2.9	6.5
12/31/04	23:30:39	21.46	54.988	7.11	63	55.21	27.823	8.08	-95.8	1.2	2.9	6.7
01/01/05	00:00:39	21.50	55.035	7.04	62	55.18	27.797	8.08	-95.8	1.2	3.1	6.5
01/01/05	00:30:39	21.79	55.168	7.02	62	55.25	27.847	8.09	-96.1	1.1	3.0	6.5
01/01/05	01:00:39	22.04	55.321	7.01	63	55.26	27.852	8.09	-96.1	1.1	2.9	6.5
01/01/05	01:30:40	22.35	55.517	7.03	63	55.17	27.793	8.09	-96.3	1.1	3.0	6.4
01/01/05	02:00:39	22.48	55.566	6.90	63	55.49	28.014	8.09	-96.3	1.0	2.9	6.2
01/01/05	02:30:39	22.53	55.571	6.95	63	55.26	27.856	8.08	-96.1	1.1	2.9	6.2
01/01/05	03:00:39	22.58	55.607	6.91	64	55.54	28.047	8.08	-96.1	1.1	2.9	1384.2
01/01/05	03:30:39	22.62	55.632	6.94	64	55.37	27.926	8.08	-96.1	1.1	2.9	1384.4
01/01/05	04:00:40	22.59	55.606	6.89	63	55.24	27.837	8.08	-96.0	1.2	3.0	6.2
01/01/05	04:30:39	22.55	55.587	6.92	63	55.32	27.894	8.08	-95.9	1.0	2.8	6.3
01/01/05	05:00:39	22.59	55.620	6.88	63	55.16	27.782	8.08	-95.9	1.1	2.9	6.2
01/01/05	05:30:39	22.64	55.666	6.94	64	55.10	27.741	8.08	-95.9	1.0	3.0	6.3
01/01/05	06:00:39	22.65	55.655	6.91	63	55.30	27.883	8.08	-95.8	1.0	2.9	6.2
01/01/05	06:30:40	22.60	55.630	6.90	63	55.08	27.729	8.08	-95.7	1.1	2.9	6.3
01/01/05	07:00:39	22.51	55.586	6.94	63	55.17	27.794	8.08	-95.7	1.1	3.0	6.2
01/01/05	07:30:39	22.33	55.474	6.95	63	55.32	27.894	8.07	-95.5	1.0	2.9	6.4
01/01/05	08:00:39	22.17	55.379	6.98	64	55.41	27.958	8.07	-95.5	1.1	2.9	6.4
01/01/05	08:30:39	22.04	55.317	6.98	63	55.13	27.765	8.07	-95.4	1.1	2.9	6.3
01/01/05	09:00:40	21.90	55.237	7.05	63	55.06	27.714	8.07	-95.5	1.2	2.9	6.3
01/01/05	09:30:39	21.88	55.228	7.03	63	55.09	27.738	8.07	-95.5	1.0	2.8	6.4
01/01/05	10:00:39	21.90	55.275	6.98	62	55.12	27.756	8.07	-95.5	1.1	2.9	1381.3
01/01/05	10:30:39	21.89	55.284	7.01	63	55.01	27.681	8.07	-95.5	1.1	3.0	1381.2
01/01/05	11:00:39	21.88	55.249	7.03	62	54.61	27.407	8.07	-95.5	1.1	2.9	6.4
01/01/05	11:30:40	21.89	55.285	7.01	63	55.10	27.741	8.07	-95.5	1.1	2.9	6.2
01/01/05	12:00:39	21.89	55.251	7.04	64	54.85	27.570	8.08	-95.5	1.2	2.9	6.4
01/01/05	12:30:39	21.91	55.254	6.93	62	54.59	27.394	8.08	-95.6	1.1	2.9	6.4
01/01/05	13:00:39	21.92	55.229	6.99	63	55.29	27.874	8.08	-95.5	1.3	2.9	6.2
01/01/05	13:30:39	21.91	55.229	6.98	63	55.14	27.769	8.08	-95.5	3.0	2.9	6.4
01/01/05	14:00:40	21.91	55.233	7.01	63	54.68	27.458	8.07	-95.5	5.3	2.9	6.3
01/01/05	14:30:39	21.92	55.277	7.03	63	55.01	27.680	8.07	-95.4	9.1	2.9	6.4
01/01/05	15:00:39	21.94	55.240	7.08	63	54.92	27.620	8.07	-95.3	9.1	3.0	6.2
01/01/05	15:30:39	21.95	55.250	7.16	63	54.70	27.467	8.07	-95.5	18.2	2.9	6.3
01/01/05	16:00:39	22.01	55.268	7.14	63	54.93	27.625	8.08	-95.6	16.2	2.9	6.4
01/01/05	16:30:40	22.02	55.269	7.20	63	55.16	27.785	8.07	-95.5	26.1	2.8	6.4
01/01/05	17:00:39	21.99	55.251	7.16	63	55.05	27.708	8.07	-95.5	9.6	2.9	6.4
01/01/05	17:30:39	22.06	55.276	7.17	63	54.86	27.577	8.07	-95.5	11.6	3.1	6.4
01/01/05	18:00:39	22.20	55.345	7.15	63	54.95	27.645	8.07	-95.6	11.0	2.9	1382.6
01/01/05	18:30:39	22.34	55.426	7.12	63	54.76	27.512	8.08	-95.6	14.9	2.9	1383.2
01/01/05	19:00:40	22.42	55.471	7.19	63	54.70	27.471	8.07	-95.5	20.1	2.9	6.4
01/01/05	19:30:39	22.40	55.424	7.24	64	54.87	27.584	8.07	-95.6	23.8	2.9	6.3
01/01/05	20:00:39	22.41	55.427	7.23	63	55.04	27.703	8.07	-95.5	18.3	2.9	6.4
01/01/05	20:30:39	22.46	55.444	7.28	64	54.89	27.601	8.07	-95.5	27.2	3.0	1383.7
01/01/05	21:00:39	22.36	55.401	7.26	63	55.01	27.683	8.07	-95.5	21.2	2.9	1383.3
01/01/05	21:30:40	22.21	55.310	7.29	63	55.06	27.715	8.07	-95.2	16.8	2.9	1382.6
01/01/05	22:00:39	22.30	55.358	7.18	63	55.08	27.730	8.07	-95.3	8.6	2.8	1383.1
01/01/05	22:30:39	22.49	55.489	7.12	63	55.48	28.002	8.07	-95.3	6.0	3.0	6.5
01/01/05	23:00:39	22.63	55.539	7.08	63	55.27	27.864	8.07	-95.4	2.7	2.9	6.3
01/01/05	23:30:39	22.67	55.570	6.95	63	55.32	27.895	8.07	-95.3	1.4	3.0	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/02/05	00:00:40	22.74	55.643	6.94	63	55.39	27.940	8.07	-95.3	1.1	2.9	6.2
01/02/05	00:30:39	22.77	55.703	6.91	63	55.40	27.949	8.07	-95.3	1.1	3.0	1385.1
01/02/05	01:00:39	22.78	55.623	6.90	63	55.28	27.870	8.07	-95.3	1.0	2.9	191.1
01/02/05	01:30:39	22.76	55.615	6.88	63	55.31	27.892	8.07	-95.3	1.0	2.9	6.4
01/02/05	02:00:39	22.72	55.580	6.89	63	55.43	27.969	8.07	-95.3	1.1	2.9	6.3
01/02/05	02:30:40	22.68	55.565	6.86	63	55.40	27.950	8.07	-95.3	1.1	3.0	6.4
01/02/05	03:00:39	22.67	55.568	6.84	63	55.22	27.829	8.07	-95.3	1.1	2.9	6.3
01/02/05	03:30:39	22.66	55.563	6.86	63	55.32	27.899	8.07	-95.2	1.2	2.8	6.2
01/02/05	04:00:39	22.64	55.540	6.93	64	55.45	27.982	8.07	-95.3	1.1	2.8	6.2
01/02/05	04:30:39	22.63	55.545	6.89	63	55.47	27.998	8.07	-95.2	1.1	2.8	6.2
01/02/05	05:00:39	22.65	55.622	6.83	63	55.34	27.909	8.07	-95.2	1.1	2.9	6.2
01/02/05	05:30:39	22.65	55.621	6.81	63	55.19	27.807	8.06	-95.1	1.1	2.9	6.2
01/02/05	06:00:39	22.66	55.569	6.78	63	55.15	27.781	8.06	-95.0	1.1	2.9	6.1
01/02/05	06:30:39	22.69	55.573	6.86	63	55.31	27.887	8.07	-95.3	1.1	2.7	6.2
01/02/05	07:00:39	22.68	55.574	6.83	63	55.07	27.723	8.07	-95.2	1.1	2.8	6.2
01/02/05	07:30:39	22.59	55.527	6.84	63	55.01	27.683	8.06	-95.1	1.1	3.0	6.9
01/02/05	08:00:39	22.40	55.416	6.82	62	55.44	27.975	8.06	-94.8	1.1	2.8	1383.5
01/02/05	08:30:39	22.42	55.486	6.79	62	55.14	27.772	8.06	-95.0	1.2	2.9	9.1
01/02/05	09:00:39	22.35	55.391	6.85	63	55.22	27.831	8.06	-95.0	1.1	3.0	6.4
01/02/05	09:30:39	22.26	55.370	6.86	62	54.98	27.664	8.06	-94.9	1.0	2.9	6.1
01/02/05	10:00:39	22.30	55.371	6.81	63	55.31	27.890	8.06	-95.0	1.1	2.9	1383.1
01/02/05	10:30:39	22.36	55.407	6.77	63	55.12	27.760	8.06	-94.8	1.1	3.0	9.0
01/02/05	11:00:39	22.47	55.467	6.83	63	55.05	27.710	8.06	-95.0	1.1	3.0	1383.7
01/02/05	11:30:39	22.57	55.520	6.80	63	55.10	27.744	8.06	-95.0	1.1	2.8	1384.2
01/02/05	12:00:40	22.59	55.532	6.78	62	55.26	27.854	8.06	-95.0	1.1	2.9	6.4
01/02/05	12:30:39	22.60	55.528	6.75	62	55.01	27.682	8.06	-94.8	1.1	2.9	6.2
01/02/05	13:00:39	22.59	55.518	6.74	62	55.24	27.841	8.06	-94.8	1.2	2.8	6.1
01/02/05	13:30:39	22.60	55.524	6.79	63	55.19	27.805	8.06	-94.8	3.0	2.9	6.3
01/02/05	14:00:39	22.58	55.518	6.80	63	55.03	27.696	8.06	-94.8	6.2	2.9	6.4
01/02/05	14:30:40	22.56	55.502	6.85	63	55.00	27.676	8.06	-94.7	6.0	2.9	6.3
01/02/05	15:00:39	22.53	55.502	6.88	63	55.23	27.835	8.06	-94.7	16.7	2.9	6.2
01/02/05	15:30:39	22.54	55.473	6.97	63	55.15	27.779	8.06	-94.7	19.2	2.9	6.4
01/02/05	16:00:39	22.49	55.446	6.98	63	55.07	27.722	8.06	-94.7	21.5	2.9	6.2
01/02/05	16:30:39	22.42	55.398	7.01	62	55.12	27.759	8.06	-94.7	27.4	2.9	6.2
01/02/05	17:00:40	22.24	55.310	7.10	62	54.90	27.607	8.06	-94.5	30.1	3.0	6.4
01/02/05	17:30:39	22.10	55.224	7.14	63	55.19	27.806	8.05	-94.4	24.4	2.9	1382.2
01/02/05	18:00:39	22.05	55.185	7.23	62	55.21	27.819	8.06	-94.6	36.1	2.9	1381.9
01/02/05	18:30:39	22.04	55.168	7.29	63	55.08	27.732	8.06	-94.8	36.9	3.0	6.4
01/02/05	19:00:39	22.13	55.197	7.23	63	55.11	27.753	8.06	-94.7	20.1	2.9	6.5
01/02/05	19:30:40	22.22	55.256	7.21	62	55.16	27.787	8.06	-94.9	18.0	2.9	6.4
01/02/05	20:00:39	22.30	55.277	7.30	63	55.15	27.781	8.06	-94.8	24.2	2.9	6.4
01/02/05	20:30:39	22.35	55.295	7.18	63	55.20	27.816	8.06	-94.8	15.8	3.0	6.4
01/02/05	21:00:39	22.34	55.295	7.22	63	55.08	27.733	8.06	-94.7	14.7	2.9	6.4
01/02/05	21:30:39	22.34	55.285	7.14	63	55.02	27.692	8.06	-94.6	13.2	2.8	6.4
01/02/05	22:00:40	22.32	55.285	7.16	62	55.29	27.875	8.06	-94.5	16.7	2.9	6.5
01/02/05	22:30:39	22.31	55.278	7.02	62	55.53	28.040	8.05	-94.4	7.7	2.8	6.4
01/02/05	23:00:39	22.30	55.291	7.06	62	55.30	27.884	8.05	-94.3	4.0	2.9	6.3
01/02/05	23:30:39	22.30	55.287	6.94	62	55.12	27.761	8.05	-94.3	1.5	2.8	6.1
01/03/05	00:00:39	22.41	55.328	6.97	62	55.51	28.028	8.05	-94.5	1.2	2.9	6.4
01/03/05	00:30:40	22.47	55.356	6.95	62	55.33	27.907	8.06	-94.8	1.1	2.9	1383.7
01/03/05	01:00:39	22.52	55.384	6.92	62	55.38	27.936	8.06	-94.7	1.1	2.9	7.5
01/03/05	01:30:39	22.62	55.428	6.77	62	55.46	27.996	8.06	-94.7	1.2	3.0	6.2
01/03/05	02:00:39	22.66	55.472	6.72	63	55.73	28.176	8.06	-94.8	1.1	3.0	6.5
01/03/05	02:30:39	22.66	55.447	6.92	63	55.46	27.995	8.06	-94.8	1.2	3.0	6.2
01/03/05	03:00:39	22.63	55.443	6.88	63	55.08	27.730	8.06	-94.7	1.2	2.9	6.2
01/03/05	03:30:39	22.53	55.399	6.87	63	55.07	27.726	8.06	-94.8	1.1	2.9	6.2
01/03/05	04:00:39	22.34	55.289	6.86	62	55.14	27.772	8.05	-94.5	1.1	2.8	6.1
01/03/05	04:30:39	22.19	55.211	6.97	62	55.31	27.888	8.06	-94.5	1.2	3.0	6.3
01/03/05	05:00:39	22.19	55.206	6.88	62	55.26	27.856	8.06	-94.7	1.0	2.9	6.3
01/03/05	05:30:39	22.23	55.235	6.85	62	55.18	27.801	8.06	-94.7	1.1	2.9	6.2
01/03/05	06:00:39	22.27	55.262	6.82	63	55.19	27.809	8.06	-94.7	1.0	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/03/05	06:30:39	22.27	55.259	6.75	62	55.33	27.906	8.06	-94.5	1.1	3.0	6.3
01/03/05	07:00:39	22.30	55.283	6.85	63	55.21	27.818	8.06	-94.5	1.1	2.9	1383.0
01/03/05	07:30:39	22.24	55.252	6.80	63	54.92	27.622	8.05	-94.5	1.1	2.9	219.6
01/03/05	08:00:39	22.19	55.227	6.70	62	55.29	27.876	8.05	-94.4	1.0	3.0	7.0
01/03/05	08:30:39	22.20	55.223	6.76	63	54.98	27.662	8.05	-94.3	1.1	2.9	6.2
01/03/05	09:00:39	22.21	55.246	6.77	62	55.13	27.769	8.05	-94.4	1.0	2.9	6.3
01/03/05	09:30:39	22.25	55.258	6.75	62	55.24	27.845	8.05	-94.3	1.2	2.9	6.2
01/03/05	10:00:39	22.26	55.260	6.77	62	55.12	27.760	8.05	-94.3	1.1	2.9	6.2
01/03/05	10:30:39	22.27	55.272	6.73	62	55.13	27.768	8.05	-94.2	1.0	2.9	6.4
01/03/05	11:00:39	22.29	55.276	6.60	62	54.98	27.664	8.05	-94.2	1.1	2.8	1382.9
01/03/05	11:30:39	22.31	55.280	6.68	62	55.27	27.862	8.05	-94.1	1.2	2.9	1383.1
01/03/05	12:00:39	22.30	55.290	6.63	62	55.10	27.745	8.04	-93.9	1.2	2.9	6.1
01/03/05	12:30:39	22.32	55.292	6.60	61	55.13	27.768	8.04	-93.9	1.1	3.0	6.2
01/03/05	13:00:39	22.34	55.303	6.52	62	55.06	27.718	8.04	-93.6	1.2	2.9	6.4
01/03/05	13:30:39	22.37	55.319	6.57	62	55.36	27.926	8.04	-93.6	3.1	2.9	6.2
01/03/05	14:00:39	22.49	55.377	6.67	62	55.05	27.711	8.04	-93.9	4.1	2.9	6.2
01/03/05	14:30:39	22.54	55.395	6.70	62	55.18	27.801	8.05	-94.1	10.5	2.9	6.2
01/03/05	15:00:40	22.55	55.395	6.73	62	55.27	27.861	8.04	-93.9	11.6	2.8	6.2
01/03/05	15:30:39	22.57	55.410	6.81	63	55.03	27.701	8.04	-93.9	14.3	2.8	6.3
01/03/05	16:00:39	22.59	55.415	6.93	62	55.20	27.815	8.05	-94.1	30.9	2.9	1384.3
01/03/05	16:30:39	22.60	55.412	6.95	63	55.11	27.752	8.05	-94.1	40.8	2.9	6.2
01/03/05	17:00:39	22.60	55.414	7.01	63	55.21	27.825	8.05	-94.2	39.7	3.0	6.2
01/03/05	17:30:40	22.60	55.413	7.06	63	55.01	27.684	8.05	-94.1	31.6	2.9	6.3
01/03/05	18:00:39	22.60	55.406	7.10	62	55.21	27.825	8.05	-94.1	23.7	2.9	6.2
01/03/05	18:30:39	22.63	55.414	7.14	62	55.13	27.766	8.05	-94.5	38.4	2.9	6.3
01/03/05	19:00:39	22.63	55.404	7.08	62	55.34	27.910	8.05	-94.3	17.7	2.9	6.3
01/03/05	19:30:39	22.63	55.395	7.22	63	55.05	27.711	8.06	-94.7	37.1	3.0	6.2
01/03/05	20:00:40	22.60	55.373	7.26	63	55.03	27.699	8.06	-94.7	33.0	2.9	6.1
01/03/05	20:30:39	22.53	55.325	7.33	63	55.17	27.795	8.06	-94.6	21.9	2.9	6.2
01/03/05	21:00:39	22.44	55.273	7.22	62	55.27	27.867	8.05	-94.5	13.4	2.9	6.4
01/03/05	21:30:39	22.33	55.210	7.22	62	55.31	27.892	8.05	-94.4	11.5	2.8	6.2
01/03/05	22:00:39	22.19	55.117	7.23	62	54.90	27.612	8.05	-94.3	8.0	2.9	6.3
01/03/05	22:30:40	22.02	55.029	7.15	62	55.49	28.016	8.05	-94.4	4.4	2.9	6.3
01/03/05	23:00:39	21.90	55.015	7.16	61	55.15	27.783	8.06	-94.5	3.6	2.9	6.4
01/03/05	23:30:39	21.84	54.904	7.20	61	55.15	27.784	8.06	-94.6	1.4	2.9	6.2
01/04/05	00:00:39	21.83	54.891	7.18	62	55.34	27.915	8.06	-94.7	1.2	2.9	6.4
01/04/05	00:30:39	21.88	54.933	7.02	61	55.43	27.977	8.06	-94.8	1.1	3.0	6.3
01/04/05	01:00:40	21.99	55.027	7.00	62	55.38	27.941	8.06	-94.7	1.1	3.0	1381.7
01/04/05	01:30:39	22.09	55.151	6.91	61	55.53	28.045	8.06	-94.6	1.1	2.8	1382.1
01/04/05	02:00:39	22.19	55.197	6.91	61	55.40	27.951	8.06	-94.5	1.2	3.0	6.4
01/04/05	02:30:39	22.24	55.340	6.86	62	55.25	27.849	8.06	-94.5	1.1	2.9	1382.8
01/04/05	03:00:39	22.21	55.319	6.80	61	55.31	27.888	8.05	-94.3	1.1	2.9	209.9
01/04/05	03:30:40	22.19	55.283	6.66	61	55.12	27.756	8.05	-94.3	1.1	3.0	6.3
01/04/05	04:00:39	22.13	55.198	6.85	61	55.14	27.777	8.05	-94.4	1.0	2.8	6.2
01/04/05	04:30:39	22.10	55.189	6.87	61	55.29	27.876	8.05	-94.3	1.1	2.9	1382.2
01/04/05	05:00:39	22.09	55.193	6.80	61	55.25	27.847	8.05	-94.2	1.1	2.9	186.1
01/04/05	05:30:39	22.08	55.215	6.78	62	55.19	27.809	8.05	-94.2	1.2	2.9	6.5
01/04/05	06:00:40	22.11	55.207	6.82	62	55.04	27.705	8.05	-94.3	1.1	2.9	6.1
01/04/05	06:30:39	22.16	55.247	6.83	62	55.06	27.718	8.05	-94.4	1.1	2.9	1382.4
01/04/05	07:00:39	22.12	55.285	6.77	62	54.91	27.613	8.05	-94.3	1.2	2.9	1382.3
01/04/05	07:30:39	22.08	55.211	6.83	62	54.88	27.593	8.05	-94.2	1.1	2.9	6.4
01/04/05	08:00:39	22.06	55.188	6.75	62	54.96	27.653	8.05	-94.2	1.1	2.9	6.2
01/04/05	08:30:40	22.04	55.172	6.77	62	54.87	27.588	8.05	-94.3	1.0	2.9	6.6
01/04/05	09:00:39	22.02	55.155	6.80	62	55.04	27.702	8.05	-94.3	1.1	3.0	6.3
01/04/05	09:30:39	22.03	55.162	6.80	62	54.88	27.597	8.05	-94.3	1.0	2.9	6.4
01/04/05	10:00:39	22.04	55.166	6.75	61	54.94	27.634	8.05	-94.2	1.1	2.9	6.2
01/04/05	10:30:39	22.06	55.185	6.79	62	54.75	27.508	8.05	-94.2	1.1	3.0	6.3
01/04/05	11:00:40	22.14	55.209	6.78	61	55.06	27.716	8.05	-94.4	1.1	2.9	1382.4
01/04/05	11:30:39	22.25	55.259	6.75	62	55.01	27.686	8.05	-94.4	1.1	2.9	1382.8
01/04/05	12:00:39	22.30	55.286	6.79	61	54.89	27.603	8.05	-94.4	1.1	2.8	6.4
01/04/05	12:30:39	22.28	55.268	6.73	62	55.04	27.707	8.05	-94.2	1.1	2.9	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/04/05	13:00:39	22.24	55.238	6.70	62	54.98	27.667	8.05	-94.2	1.3	2.9	6.3
01/04/05	13:30:39	22.13	55.182	6.78	62	55.37	27.933	8.05	-94.2	3.1	2.9	1382.3
01/04/05	14:00:39	22.11	55.148	6.83	61	54.98	27.666	8.05	-94.2	7.3	2.9	1382.2
01/04/05	14:30:39	22.13	55.154	6.94	62	55.14	27.772	8.05	-94.4	11.2	2.8	1382.3
01/04/05	15:00:39	22.16	55.149	7.05	61	55.08	27.731	8.05	-94.5	17.6	3.0	6.2
01/04/05	15:30:39	22.13	55.122	7.08	62	55.13	27.765	8.06	-94.5	22.1	2.9	1382.3
01/04/05	16:00:39	22.11	55.088	7.16	62	55.07	27.728	8.06	-94.7	28.8	3.0	1382.2
01/04/05	16:30:39	22.10	55.070	7.10	62	55.12	27.761	8.06	-94.7	27.5	2.9	6.4
01/04/05	17:00:39	22.11	55.066	7.16	62	55.41	27.961	8.06	-94.8	38.8	2.8	6.4
01/04/05	17:30:39	22.12	55.063	7.23	62	55.25	27.854	8.06	-94.8	38.1	2.9	1382.2
01/04/05	18:00:39	22.11	55.049	7.24	62	55.13	27.771	8.06	-94.8	34.8	3.0	1382.2
01/04/05	18:30:39	22.14	55.055	7.39	62	55.14	27.778	8.06	-95.0	46.1	2.9	6.2
01/04/05	19:00:39	22.16	55.048	7.41	61	55.30	27.890	8.06	-94.8	39.4	2.9	6.2
01/04/05	19:30:39	22.21	55.071	7.36	61	55.20	27.814	8.06	-94.9	41.7	2.9	6.1
01/04/05	20:00:39	22.25	55.071	7.45	63	55.27	27.865	8.06	-94.9	37.0	2.9	1382.8
01/04/05	20:30:40	22.28	55.072	7.44	61	55.08	27.733	8.06	-94.8	31.2	2.9	1382.9
01/04/05	21:00:39	22.33	55.089	7.46	62	55.41	27.965	8.06	-94.8	27.1	2.8	1383.2
01/04/05	21:30:39	22.44	55.131	7.36	62	55.51	28.034	8.06	-94.8	26.0	2.9	6.2
01/04/05	22:00:39	22.52	55.154	7.38	61	55.21	27.823	8.06	-94.7	15.1	2.9	6.1
01/04/05	22:30:39	22.57	55.184	7.32	62	54.98	27.667	8.06	-94.6	8.0	2.9	6.2
01/04/05	23:00:40	22.59	55.208	7.27	62	54.87	27.589	8.05	-94.5	5.2	2.9	6.1
01/04/05	23:30:39	22.56	55.144	7.27	62	55.26	27.861	8.05	-94.5	1.5	2.9	6.2
01/05/05	00:00:39	22.49	55.210	7.24	61	55.19	27.810	8.06	-94.5	1.1	2.9	6.2
01/05/05	00:30:39	22.45	55.114	7.24	62	54.71	27.483	8.06	-94.6	1.1	2.9	6.1
01/05/05	01:00:39	22.36	55.066	7.19	61	55.38	27.943	8.06	-94.7	1.0	2.9	6.2
01/05/05	01:30:40	22.30	55.078	7.16	62	55.29	27.880	8.06	-94.6	1.1	3.0	6.2
01/05/05	02:00:39	22.26	55.011	7.09	62	55.32	27.902	8.06	-94.6	1.1	2.9	6.2
01/05/05	02:30:39	22.20	54.999	7.08	62	55.15	27.785	8.06	-94.6	1.1	2.7	1382.6
01/05/05	03:00:39	22.17	55.016	6.96	61	55.27	27.868	8.06	-94.5	1.2	2.9	9.0
01/05/05	03:30:39	22.17	55.042	6.93	61	55.40	27.953	8.06	-94.5	1.1	2.9	1382.5
01/05/05	04:00:40	22.19	55.084	6.81	62	55.24	27.846	8.05	-94.2	1.0	3.0	8.9
01/05/05	04:30:39	22.19	55.126	6.81	61	55.13	27.766	8.05	-94.2	1.2	2.8	6.3
01/05/05	05:00:39	22.18	55.133	6.79	61	55.12	27.764	8.05	-94.2	1.2	2.9	6.2
01/05/05	05:30:39	22.17	55.127	6.78	61	54.96	27.650	8.06	-94.5	1.0	3.0	6.3
01/05/05	06:00:39	22.12	55.107	6.76	61	54.93	27.631	8.05	-94.1	1.1	2.9	6.2
01/05/05	06:30:40	22.13	55.121	6.85	61	55.01	27.688	8.05	-94.1	1.0	2.9	6.2
01/05/05	07:00:39	22.16	55.135	6.80	62	55.02	27.693	8.05	-94.1	1.1	2.9	1382.4
01/05/05	07:30:39	22.14	55.114	6.77	62	55.01	27.687	8.05	-94.1	1.1	3.0	1382.3
01/05/05	08:00:39	22.11	55.108	6.79	61	54.92	27.625	8.05	-94.1	1.1	2.9	6.2
01/05/05	08:30:39	22.11	55.200	6.76	62	54.89	27.603	8.05	-93.9	1.2	2.9	6.1
01/05/05	09:00:39	22.12	55.105	6.75	62	54.71	27.479	8.05	-94.0	1.2	2.9	1382.2
01/05/05	09:30:39	22.11	55.101	6.73	62	54.88	27.597	8.05	-94.0	1.0	2.8	1382.2
01/05/05	10:00:39	22.12	55.099	6.69	61	54.68	27.460	8.04	-93.8	1.1	2.9	6.4
01/05/05	10:30:39	22.13	55.099	6.63	61	54.79	27.534	8.04	-93.6	1.1	2.9	6.3
01/05/05	11:00:39	22.18	55.115	6.60	61	54.81	27.551	8.04	-93.5	1.1	3.0	6.1
01/05/05	11:30:39	22.42	55.126	6.63	62	54.87	27.593	8.05	-94.1	1.2	2.9	6.2
01/05/05	12:00:39	22.63	55.196	6.94	62	54.89	27.608	8.06	-94.6	1.2	3.0	6.2
01/05/05	12:30:39	22.65	55.202	6.95	62	55.11	27.756	8.06	-94.7	1.0	2.9	6.1
01/05/05	13:00:39	22.61	54.988	6.99	62	54.88	27.604	8.06	-94.6	1.3	2.8	6.1
01/05/05	13:30:39	22.60	54.979	6.89	61	55.06	27.729	8.05	-94.5	2.6	3.0	6.1
01/05/05	14:00:39	22.58	54.949	7.01	62	55.38	27.949	8.05	-94.5	6.2	2.9	6.1
01/05/05	14:30:39	22.60	55.080	6.99	62	55.29	27.881	8.05	-94.5	9.6	2.9	6.1
01/05/05	15:00:39	22.53	54.945	7.07	61	55.20	27.821	8.05	-94.2	8.4	2.9	1384.0
01/05/05	15:30:39	22.44	55.009	7.14	61	55.24	27.849	8.05	-94.4	24.4	2.9	6.1
01/05/05	16:00:40	22.42	55.105	7.16	62	55.39	27.948	8.05	-94.5	36.3	3.0	1383.6
01/05/05	16:30:39	22.38	55.082	7.21	62	55.48	28.013	8.05	-94.4	46.0	3.0	1383.4
01/05/05	17:00:39	22.24	55.066	7.22	62	55.54	28.050	8.05	-94.2	36.9	2.9	6.3
01/05/05	17:30:39	22.15	55.074	7.14	61	55.52	28.037	8.05	-94.1	41.7	2.9	6.4
01/05/05	18:00:39	22.13	55.083	7.17	62	55.32	27.899	8.05	-94.2	44.2	2.9	6.4
01/05/05	18:30:40	22.15	55.078	7.21	62	55.47	28.002	8.05	-94.2	43.5	2.9	6.6
01/05/05	19:00:39	22.15	55.093	7.19	61	55.42	27.967	8.05	-94.2	42.5	3.0	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/05/05	19:30:39	22.17	55.101	7.22	61	55.48	28.006	8.05	-94.3	44.7	2.9	6.2
01/05/05	20:00:39	22.29	55.106	7.31	62	55.38	27.944	8.05	-94.4	34.7	2.9	6.6
01/05/05	20:30:39	22.33	55.113	7.29	62	55.53	28.044	8.05	-94.3	22.3	2.8	6.4
01/05/05	21:00:40	22.42	55.140	7.35	62	55.49	28.019	8.05	-94.3	15.8	2.9	6.1
01/05/05	21:30:39	22.45	55.147	7.29	62	55.26	27.863	8.05	-94.3	17.0	2.7	6.3
01/05/05	22:00:39	22.44	55.135	7.25	62	55.41	27.961	8.05	-94.1	12.5	2.9	1383.6
01/05/05	22:30:39	22.42	55.124	7.26	62	55.25	27.855	8.05	-94.1	8.0	2.9	6.2
01/05/05	23:00:39	22.41	55.119	7.26	61	55.25	27.856	8.05	-94.0	3.9	2.9	1383.5
01/05/05	23:30:40	22.40	55.109	7.20	62	55.24	27.846	8.05	-94.0	1.7	2.9	159.9
01/06/05	00:00:39	22.40	55.117	7.11	62	55.78	28.217	8.05	-94.2	1.1	2.9	6.5
01/06/05	00:30:39	22.39	55.097	7.10	62	55.27	27.869	8.05	-94.1	1.1	2.8	6.2
01/06/05	01:00:39	22.39	55.112	7.00	62	55.32	27.900	8.05	-94.1	1.0	2.8	6.2
01/06/05	01:30:39	22.41	55.087	7.04	62	55.35	27.922	8.05	-94.1	1.2	2.9	1383.5
01/06/05	02:00:40	22.39	55.153	6.89	61	55.01	27.685	8.05	-94.1	1.1	2.8	1383.4
01/06/05	02:30:39	22.38	55.111	6.98	62	55.08	27.737	8.05	-94.1	1.1	2.8	6.5
01/06/05	03:00:39	22.36	55.099	7.00	61	55.26	27.861	8.05	-94.1	1.2	2.8	6.4
01/06/05	03:30:39	22.28	55.090	6.91	61	55.29	27.882	8.05	-94.0	1.1	2.9	6.1
01/06/05	04:00:39	22.15	55.072	6.84	61	55.17	27.793	8.04	-93.7	1.1	2.9	6.3
01/06/05	04:30:39	22.08	55.172	6.76	61	55.07	27.725	8.04	-93.6	1.2	2.9	6.4
01/06/05	05:00:39	22.06	55.071	6.72	62	55.19	27.811	8.04	-93.8	1.1	2.9	1382.0
01/06/05	05:30:39	22.07	55.086	6.68	61	54.83	27.562	8.04	-93.8	1.1	2.9	1382.0
01/06/05	06:00:39	22.08	55.104	6.59	61	54.99	27.672	8.04	-93.5	1.1	2.9	6.2
01/06/05	06:30:39	22.09	55.116	6.65	61	54.92	27.625	8.04	-93.6	1.1	2.9	6.4
01/06/05	07:00:39	22.10	55.125	6.63	61	54.83	27.564	8.04	-93.6	1.0	3.0	6.2
01/06/05	07:30:39	22.10	55.132	6.62	61	54.71	27.479	8.04	-93.5	1.0	2.9	6.4
01/06/05	08:00:39	22.10	55.218	6.61	61	54.61	27.407	8.04	-93.4	1.1	2.9	6.8
01/06/05	08:30:39	22.10	55.130	6.58	62	54.72	27.488	8.04	-93.6	1.1	2.9	6.4
01/06/05	09:00:39	22.10	55.129	6.52	61	54.65	27.440	8.04	-93.4	1.1	2.9	6.3
01/06/05	09:30:39	22.10	55.143	6.64	61	54.64	27.429	8.04	-93.6	1.1	2.9	6.3
01/06/05	10:00:39	22.09	55.092	6.66	62	54.62	27.419	8.04	-93.7	1.1	2.9	6.2
01/06/05	10:30:39	22.09	55.092	6.67	61	54.68	27.459	8.04	-93.8	1.1	2.9	6.2
01/06/05	11:00:39	22.09	55.096	6.62	61	54.54	27.366	8.04	-93.7	1.1	2.9	6.4
01/06/05	11:30:39	22.09	55.087	6.62	62	54.55	27.373	8.04	-93.6	1.1	2.9	6.2
01/06/05	12:00:39	22.10	55.087	6.57	61	54.55	27.369	8.04	-93.4	1.1	2.8	1382.2
01/06/05	12:30:39	22.10	55.097	6.40	61	54.68	27.460	8.03	-93.2	1.0	2.8	1382.2
01/06/05	13:00:39	22.10	55.092	6.48	61	54.84	27.567	8.03	-93.3	1.2	2.8	6.5
01/06/05	13:30:39	22.12	55.080	6.47	61	54.78	27.530	8.03	-93.3	2.1	3.0	1382.2
01/06/05	14:00:39	22.12	55.041	6.48	61	54.82	27.557	8.03	-93.0	4.7	2.9	6.1
01/06/05	14:30:39	22.12	55.067	6.35	61	54.82	27.557	8.02	-92.7	5.7	2.9	1382.3
01/06/05	15:00:39	22.13	55.189	6.35	61	55.05	27.714	8.02	-92.5	4.6	2.8	1382.3
01/06/05	15:30:39	22.13	55.104	6.36	61	55.29	27.875	8.02	-92.4	5.5	2.9	6.3
01/06/05	16:00:39	22.14	55.089	6.27	61	55.16	27.787	8.01	-92.2	5.8	2.8	6.2
01/06/05	16:30:39	22.14	55.092	6.27	61	55.14	27.777	8.02	-92.3	15.4	2.9	6.4
01/06/05	17:00:39	22.14	55.140	6.37	61	55.18	27.803	8.02	-92.5	11.0	2.9	6.3
01/06/05	17:30:39	22.18	55.049	6.72	61	55.10	27.746	8.03	-93.3	9.3	2.8	6.1
01/06/05	18:00:39	22.21	55.031	6.94	61	55.51	28.028	8.05	-94.0	8.7	2.9	6.2
01/06/05	18:30:39	22.20	55.033	6.95	61	55.29	27.881	8.05	-93.9	7.1	2.9	1382.6
01/06/05	19:00:40	22.18	55.025	6.90	61	55.47	28.006	8.04	-93.9	8.9	2.8	6.2
01/06/05	19:30:39	22.14	55.025	6.99	62	55.41	27.963	8.05	-94.0	26.2	2.9	6.2
01/06/05	20:00:39	22.16	55.032	6.99	61	55.62	28.104	8.04	-93.9	14.7	3.0	1382.4
01/06/05	20:30:39	22.15	55.016	7.03	62	55.49	28.014	8.04	-93.9	15.7	2.9	7.2
01/06/05	21:00:39	22.13	55.000	6.90	62	55.56	28.068	8.04	-93.8	6.1	2.8	6.4
01/06/05	21:30:40	22.11	55.000	6.96	62	55.31	27.895	8.04	-93.8	4.4	2.9	6.3
01/06/05	22:00:39	22.13	55.016	6.86	61	55.60	28.092	8.04	-93.8	3.8	2.9	6.4
01/06/05	22:30:39	22.19	55.030	6.90	61	55.42	27.972	8.04	-93.9	4.0	3.0	6.2
01/06/05	23:00:39	22.19	55.015	6.90	61	55.38	27.941	8.05	-93.9	1.8	2.9	1382.5
01/06/05	23:30:39	22.20	55.033	6.73	61	55.58	28.082	8.04	-93.8	1.2	2.9	1382.6
01/07/05	00:00:40	22.20	55.046	6.92	62	55.53	28.044	8.04	-93.8	1.1	2.9	6.5
01/07/05	00:30:39	22.17	55.029	6.80	61	55.39	27.946	8.04	-93.8	1.1	2.8	6.2
01/07/05	01:00:39	22.20	55.029	6.64	61	55.50	28.027	8.04	-93.6	1.1	2.9	6.5
01/07/05	01:30:39	22.28	55.043	6.76	61	55.29	27.879	8.04	-93.9	1.1	2.9	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/07/05	02:00:39	22.35	55.107	6.66	62	55.42	27.967	8.04	-93.9	1.1	2.9	1383.3
01/07/05	02:30:40	22.44	55.268	6.64	62	55.26	27.854	8.04	-93.9	1.0	2.9	6.4
01/07/05	03:00:39	22.52	55.222	6.83	62	55.40	27.952	8.05	-94.0	1.2	2.9	6.1
01/07/05	03:30:39	22.55	55.239	6.60	61	55.29	27.879	8.04	-93.8	1.2	3.0	1384.1
01/07/05	04:00:39	22.58	55.252	6.75	62	55.23	27.840	8.04	-93.9	1.1	2.9	1384.2
01/07/05	04:30:39	22.62	55.272	6.80	61	55.26	27.859	8.04	-93.9	1.0	2.9	1384.4
01/07/05	05:00:40	22.64	55.300	6.57	61	55.04	27.706	8.04	-93.8	1.0	2.9	6.2
01/07/05	05:30:39	22.68	55.312	6.83	61	55.16	27.788	8.04	-93.9	1.0	3.0	6.2
01/07/05	06:00:39	22.69	55.309	6.69	62	55.01	27.686	8.04	-93.8	1.1	2.9	6.2
01/07/05	06:30:39	22.74	55.344	6.74	61	54.92	27.623	8.04	-93.9	1.0	2.9	6.0
01/07/05	07:00:39	22.73	55.330	6.62	61	54.90	27.614	8.04	-93.8	1.1	2.9	6.3
01/07/05	07:30:40	22.74	55.338	6.60	61	54.77	27.523	8.04	-93.7	1.1	2.9	6.1
01/07/05	08:00:39	22.75	55.337	6.67	61	54.72	27.485	8.04	-93.8	1.1	3.0	6.2
01/07/05	08:30:39	22.75	55.330	6.80	62	54.78	27.528	8.04	-93.8	1.1	2.9	6.2
01/07/05	09:00:39	22.75	55.368	6.57	62	54.56	27.375	8.04	-93.7	1.0	2.9	6.1
01/07/05	09:30:39	22.74	55.392	6.52	61	54.50	27.334	8.04	-93.5	1.1	2.9	6.2
01/07/05	10:00:40	22.74	55.342	6.57	61	54.54	27.365	8.04	-93.5	1.1	2.9	6.1
01/07/05	10:30:39	22.75	55.335	6.47	62	54.58	27.393	8.04	-93.5	1.1	3.0	5.9
01/07/05	11:00:39	22.75	55.330	6.57	62	54.58	27.393	8.04	-93.5	1.1	2.8	6.2
01/07/05	11:30:39	22.77	55.343	6.66	61	54.53	27.359	8.04	-93.5	1.0	2.8	6.0
01/07/05	12:00:39	22.81	55.363	6.49	62	54.65	27.440	8.04	-93.6	1.1	2.9	6.0
01/07/05	12:30:40	22.85	55.376	6.35	61	54.61	27.411	8.04	-93.5	1.2	2.8	5.9
01/07/05	13:00:39	22.85	55.472	6.52	62	54.60	27.405	8.04	-93.6	1.2	2.9	6.1
01/07/05	13:30:39	22.84	55.364	6.60	62	54.72	27.486	8.04	-93.6	2.8	2.9	1385.4
01/07/05	14:00:39	22.84	55.348	6.63	62	54.70	27.475	8.04	-93.6	6.3	2.9	6.1
01/07/05	14:30:39	22.87	55.375	6.60	61	54.74	27.501	8.04	-93.6	11.8	2.9	6.2
01/07/05	15:00:39	22.90	55.391	6.78	62	54.81	27.553	8.04	-93.6	24.4	3.0	6.1
01/07/05	15:30:39	22.82	55.355	6.74	61	54.99	27.672	8.03	-93.4	19.3	2.9	6.1
01/07/05	16:00:39	22.67	55.267	6.86	61	54.97	27.659	8.04	-93.5	24.1	2.9	6.1
01/07/05	16:30:39	22.62	55.238	6.86	61	55.14	27.780	8.04	-93.5	31.4	2.9	6.2
01/07/05	17:00:39	22.61	55.223	7.04	61	55.11	27.754	8.04	-93.8	34.7	2.9	6.0
01/07/05	17:30:39	22.64	55.245	6.88	61	55.38	27.943	8.04	-93.8	27.7	2.8	6.1
01/07/05	18:00:39	22.69	55.263	7.15	61	55.34	27.917	8.04	-94.0	53.8	3.0	6.3
01/07/05	18:30:39	22.77	55.308	7.18	61	55.30	27.885	8.04	-94.0	40.7	2.8	6.2
01/07/05	19:00:39	22.79	55.311	7.14	61	55.45	27.989	8.04	-93.8	36.4	3.0	6.1
01/07/05	19:30:39	22.80	55.322	7.10	61	55.44	27.984	8.04	-93.7	29.2	2.8	6.2
01/07/05	20:00:39	22.81	55.329	7.13	62	55.50	28.022	8.04	-93.8	36.8	2.9	6.1
01/07/05	20:30:39	22.82	55.340	7.12	61	55.54	28.055	8.04	-93.5	18.6	2.8	1385.3
01/07/05	21:00:39	22.80	55.327	7.02	61	55.42	27.969	8.03	-93.3	8.7	2.9	119.6
01/07/05	21:30:39	22.80	55.315	6.95	61	55.48	28.009	8.03	-93.3	8.0	2.8	6.4
01/07/05	22:00:40	22.79	55.317	6.99	61	55.60	28.092	8.03	-93.4	13.2	2.9	6.2
01/07/05	22:30:39	22.82	55.342	7.05	62	55.43	27.974	8.03	-93.4	9.5	2.8	6.1
01/07/05	23:00:39	22.81	55.334	6.87	61	55.56	28.068	8.03	-93.2	3.7	2.9	1385.3
01/07/05	23:30:39	22.80	55.328	6.83	61	55.49	28.018	8.03	-93.3	1.4	2.8	6.2
01/08/05	00:00:39	22.81	55.322	6.92	62	55.58	28.081	8.03	-93.4	1.0	2.8	5.9
01/08/05	00:30:40	22.84	55.345	6.80	61	55.48	28.010	8.03	-93.4	1.0	2.8	6.1
01/08/05	01:00:39	22.84	55.329	6.87	61	55.55	28.061	8.04	-93.5	1.1	2.9	1385.4
01/08/05	01:30:39	22.86	55.332	6.84	61	55.47	28.001	8.04	-93.5	1.0	2.8	6.2
01/08/05	02:00:39	22.86	55.437	6.76	61	55.59	28.086	8.04	-93.6	0.9	2.8	6.1
01/08/05	02:30:39	22.81	55.351	6.80	62	55.38	27.940	8.03	-93.4	1.0	2.9	6.1
01/08/05	03:00:40	22.78	55.321	6.86	61	55.33	27.907	8.04	-93.5	1.1	2.8	6.2
01/08/05	03:30:39	22.83	55.356	6.72	61	55.34	27.915	8.03	-93.4	1.0	2.9	6.2
01/08/05	04:00:39	22.81	55.338	6.75	61	55.27	27.866	8.03	-93.4	1.1	3.0	6.2
01/08/05	04:30:39	22.87	55.364	6.73	61	55.16	27.792	8.04	-93.5	1.1	2.9	1385.5
01/08/05	05:00:39	22.91	55.407	6.72	61	55.28	27.873	8.03	-93.4	1.1	2.9	6.1
01/08/05	05:30:40	22.99	55.408	6.72	61	55.24	27.844	8.03	-93.4	1.2	2.9	6.0
01/08/05	06:00:39	23.02	55.413	6.73	62	55.04	27.708	8.04	-93.6	1.1	2.8	6.2
01/08/05	06:30:39	23.01	55.420	6.76	61	54.97	27.664	8.04	-93.6	1.0	2.9	6.0
01/08/05	07:00:39	22.98	55.394	6.74	61	54.94	27.639	8.03	-93.5	1.1	2.9	6.0
01/08/05	07:30:39	22.91	55.468	6.66	61	54.88	27.596	8.03	-93.4	1.1	2.8	6.1
01/08/05	08:00:40	22.89	55.359	6.72	61	54.83	27.563	8.03	-93.4	1.0	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/08/05	08:30:39	22.87	55.347	6.62	61	54.81	27.554	8.03	-93.4	1.0	2.8	6.0
01/08/05	09:00:39	22.86	55.354	6.64	61	54.67	27.453	8.03	-93.3	1.1	2.9	6.1
01/08/05	09:30:39	22.86	55.339	6.70	61	54.62	27.422	8.03	-93.4	1.1	2.9	6.1
01/08/05	10:00:39	22.84	55.338	6.65	62	54.63	27.427	8.03	-93.4	1.0	2.9	6.1
01/08/05	10:30:39	22.83	55.326	6.70	61	54.55	27.369	8.03	-93.4	1.1	2.9	6.2
01/08/05	11:00:39	22.81	55.302	6.65	61	54.45	27.306	8.03	-93.3	1.0	2.9	1385.3
01/08/05	11:30:39	22.79	55.301	6.75	61	54.47	27.315	8.04	-93.6	1.1	2.9	6.1
01/08/05	12:00:39	22.79	55.298	6.68	61	54.46	27.309	8.03	-93.4	1.1	2.9	6.1
01/08/05	12:30:39	22.79	55.290	6.73	60	54.33	27.218	8.03	-93.4	1.0	2.9	6.1
01/08/05	13:00:39	22.79	55.288	6.68	61	54.48	27.327	8.03	-93.3	1.2	2.9	6.2
01/08/05	13:30:39	22.81	55.405	6.62	61	54.47	27.318	8.03	-93.1	2.0	2.8	6.1
01/08/05	14:00:39	22.81	55.308	6.64	61	54.54	27.366	8.03	-93.2	4.1	2.8	1385.3
01/08/05	14:30:39	22.83	55.339	6.66	61	54.69	27.471	8.03	-93.1	5.8	2.9	6.1
01/08/05	15:00:39	22.84	55.326	6.66	61	54.75	27.509	8.03	-93.1	8.1	2.9	6.2
01/08/05	15:30:39	22.85	55.325	6.76	62	54.82	27.559	8.03	-93.3	17.2	2.9	1385.5
01/08/05	16:00:39	22.85	55.319	6.73	61	54.96	27.656	8.04	-93.5	32.7	2.9	1385.4
01/08/05	16:30:39	22.86	55.313	6.94	61	55.09	27.744	8.04	-93.6	34.3	2.8	6.2
01/08/05	17:00:39	22.92	55.359	7.06	61	55.13	27.771	8.04	-93.6	42.2	2.9	6.0
01/08/05	17:30:40	22.93	55.358	6.98	62	55.24	27.845	8.04	-93.6	41.4	2.8	6.1
01/08/05	18:00:39	22.92	55.348	6.88	61	55.36	27.926	8.03	-93.3	25.1	2.8	6.2
01/08/05	18:30:39	22.92	55.340	7.07	61	55.41	27.966	8.04	-93.6	29.5	3.0	6.1
01/08/05	19:00:39	22.90	55.329	7.05	61	55.55	28.057	8.03	-93.1	24.2	3.0	1385.7
01/08/05	19:30:39	22.87	55.306	7.05	62	55.50	28.028	8.03	-93.4	48.6	2.9	1385.6
01/08/05	20:00:40	22.77	55.253	7.16	61	55.56	28.064	8.03	-93.3	27.8	2.9	6.3
01/08/05	20:30:39	22.66	55.185	7.03	61	55.61	28.100	8.03	-93.3	27.5	2.9	6.2
01/08/05	21:00:39	22.51	55.106	7.17	61	55.64	28.119	8.03	-93.1	19.6	2.9	6.2
01/08/05	21:30:39	22.32	55.002	7.10	60	55.61	28.099	8.02	-92.8	11.8	2.9	1383.2
01/08/05	22:00:39	22.12	54.904	7.05	61	55.70	28.162	8.02	-92.7	5.9	2.9	6.3
01/08/05	22:30:40	21.99	54.802	7.00	61	55.71	28.168	8.03	-92.8	3.7	2.9	1381.7
01/08/05	23:00:39	21.86	54.735	7.15	61	55.68	28.148	8.03	-92.8	2.3	2.8	6.4
01/08/05	23:30:39	21.81	54.716	7.01	60	55.67	28.144	8.03	-92.9	1.5	2.9	6.3
01/09/05	00:00:39	21.79	54.695	7.08	61	55.69	28.155	8.03	-93.0	1.1	2.9	6.1
01/09/05	00:30:39	21.81	54.707	6.83	61	55.64	28.122	8.03	-93.0	1.1	2.9	6.2
01/09/05	01:00:40	21.84	54.714	6.71	60	55.65	28.132	8.03	-93.1	1.1	2.9	6.1
01/09/05	01:30:39	21.85	54.792	6.71	60	55.58	28.080	8.03	-93.1	1.1	2.9	1381.1
01/09/05	02:00:39	21.88	54.754	6.95	61	55.58	28.083	8.03	-93.3	1.1	3.0	6.3
01/09/05	02:30:39	21.89	54.752	7.00	61	55.56	28.068	8.03	-93.3	1.1	2.9	6.4
01/09/05	03:00:39	21.88	54.741	6.97	60	55.49	28.021	8.04	-93.3	1.1	2.8	6.2
01/09/05	03:30:40	21.90	54.760	6.97	61	55.48	28.011	8.03	-93.3	1.1	2.9	6.2
01/09/05	04:00:39	21.98	54.818	6.88	61	55.47	28.002	8.04	-93.3	1.1	2.8	6.3
01/09/05	04:30:39	22.00	54.935	7.01	60	55.36	27.929	8.04	-93.5	1.1	2.8	6.2
01/09/05	05:00:39	22.03	54.857	7.01	60	55.32	27.901	8.04	-93.4	1.1	2.8	1381.8
01/09/05	05:30:39	22.04	54.968	6.85	61	55.26	27.861	8.03	-93.2	1.1	2.9	6.2
01/09/05	06:00:40	22.03	54.869	6.97	60	55.22	27.833	8.03	-93.3	1.2	2.8	1381.9
01/09/05	06:30:39	22.03	54.873	6.94	61	55.12	27.763	8.03	-93.3	1.2	2.9	6.4
01/09/05	07:00:39	22.02	54.860	6.94	61	55.05	27.713	8.03	-93.0	1.1	2.8	6.2
01/09/05	07:30:39	22.02	54.857	6.97	61	54.97	27.658	8.03	-93.1	1.2	2.8	1381.8
01/09/05	08:00:39	22.03	54.854	6.74	60	54.87	27.596	8.03	-93.1	1.0	2.9	6.4
01/09/05	08:30:40	22.08	54.905	6.86	61	54.80	27.546	8.03	-93.0	1.1	2.9	6.2
01/09/05	09:00:39	22.11	54.915	6.70	60	54.71	27.479	8.03	-92.9	1.2	2.9	1382.2
01/09/05	09:30:39	22.14	54.961	6.57	61	54.58	27.394	8.03	-92.8	1.1	2.8	1382.3
01/09/05	10:00:39	22.15	54.970	6.59	61	54.52	27.354	8.02	-92.7	1.1	2.9	1382.3
01/09/05	10:30:39	22.16	54.995	6.38	60	54.43	27.292	8.02	-92.4	1.2	2.8	6.4
01/09/05	11:00:40	22.16	55.030	6.19	60	54.39	27.261	8.02	-92.3	1.0	2.9	1382.5
01/09/05	11:30:39	22.17	55.048	6.12	60	54.32	27.211	8.01	-92.2	1.1	2.8	1382.5
01/09/05	12:00:39	22.17	55.006	6.23	60	54.37	27.249	8.01	-92.2	1.0	2.9	1382.5
01/09/05	12:30:39	22.15	55.008	6.28	60	54.30	27.201	8.01	-92.2	1.2	2.9	6.3
01/09/05	13:00:39	22.15	54.904	6.31	60	54.26	27.174	8.01	-92.2	1.1	2.9	6.4
01/09/05	13:30:40	22.14	54.991	6.34	60	54.30	27.202	8.02	-92.4	2.8	2.8	1382.3
01/09/05	14:00:39	22.12	54.918	6.37	60	54.35	27.233	8.02	-92.3	6.1	2.8	6.2
01/09/05	14:30:39	22.08	54.870	6.44	61	54.39	27.264	8.02	-92.5	10.3	2.9	1382.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/09/05	15:00:39	22.08	54.849	6.72	61	54.44	27.299	8.03	-93.0	14.8	3.0	6.2
01/09/05	15:30:39	22.08	54.845	6.81	60	54.52	27.355	8.03	-93.1	19.9	3.0	6.2
01/09/05	16:00:40	22.10	54.848	6.88	60	54.65	27.445	8.04	-93.4	26.9	2.8	6.2
01/09/05	16:30:39	22.15	54.870	6.91	61	54.71	27.482	8.04	-93.6	30.8	2.8	6.1
01/09/05	17:00:39	22.15	54.879	7.05	61	54.80	27.547	8.03	-93.2	23.1	3.0	6.2
01/09/05	17:30:39	22.14	54.869	7.01	61	54.97	27.663	8.04	-93.4	42.5	3.0	1382.3
01/09/05	18:00:39	22.11	54.853	7.13	61	54.93	27.635	8.04	-93.7	42.6	2.9	6.4
01/09/05	18:30:40	22.11	54.841	7.14	61	55.08	27.738	8.04	-93.6	41.4	3.0	6.2
01/09/05	19:00:39	22.12	54.854	7.06	61	55.18	27.809	8.04	-93.6	37.7	3.0	6.3
01/09/05	19:30:39	22.14	54.858	7.18	61	55.30	27.892	8.03	-93.2	15.8	2.8	6.1
01/09/05	20:00:39	22.25	54.907	7.06	61	55.36	27.932	8.04	-93.4	21.7	3.0	6.3
01/09/05	20:30:39	22.48	55.003	7.05	62	55.44	27.988	8.04	-93.4	35.2	3.0	6.4
01/09/05	21:00:39	22.79	55.128	7.13	61	55.43	27.978	8.04	-93.8	30.3	2.8	6.1
01/09/05	21:30:39	22.93	55.296	7.18	62	55.54	28.053	8.03	-93.4	23.3	2.9	6.1
01/09/05	22:00:39	23.06	55.266	7.17	62	55.54	28.054	8.03	-93.3	17.2	2.9	6.1
01/09/05	22:30:39	23.27	55.354	7.10	62	55.61	28.105	8.03	-93.3	11.1	2.9	6.0
01/09/05	23:00:39	23.36	55.396	7.12	62	55.60	28.094	8.03	-93.3	5.7	2.9	6.1
01/09/05	23:30:39	23.38	55.412	7.00	61	55.60	28.097	8.03	-93.3	2.1	2.9	1387.8
01/10/05	00:00:39	23.38	55.408	6.85	61	55.65	28.128	8.03	-93.1	1.1	2.8	6.1
01/10/05	00:30:39	23.39	55.485	6.89	61	55.64	28.126	8.03	-93.4	1.0	2.8	6.1
01/10/05	01:00:39	23.40	55.405	6.73	61	55.58	28.082	8.03	-93.1	1.1	2.9	6.0
01/10/05	01:30:39	23.41	55.440	6.81	62	55.60	28.097	8.03	-93.3	1.1	2.8	1387.9
01/10/05	02:00:39	23.44	55.428	6.71	61	55.60	28.100	8.03	-93.2	1.1	2.8	6.1
01/10/05	02:30:39	23.44	55.408	6.72	61	55.59	28.088	8.03	-93.1	1.0	2.9	5.9
01/10/05	03:00:39	23.45	55.408	6.59	61	55.58	28.083	8.03	-93.1	1.1	2.9	6.1
01/10/05	03:30:39	23.46	55.431	6.58	62	55.57	28.076	8.02	-93.1	1.1	3.0	6.1
01/10/05	04:00:39	23.48	55.406	6.57	61	55.55	28.061	8.03	-93.5	1.0	2.8	5.9
01/10/05	04:30:39	23.49	55.410	6.65	61	55.52	28.046	8.03	-93.4	1.0	2.9	5.9
01/10/05	05:00:39	23.50	55.524	6.70	61	55.41	27.967	8.03	-93.4	1.1	2.8	5.8
01/10/05	05:30:39	23.51	55.401	6.76	62	55.45	27.997	8.03	-93.5	1.1	2.9	5.9
01/10/05	06:00:39	23.51	55.407	6.48	62	55.39	27.951	8.03	-93.4	1.1	2.9	5.9
01/10/05	06:30:40	23.48	55.418	6.77	62	55.32	27.907	8.03	-93.4	1.0	2.9	1388.2
01/10/05	07:00:39	23.42	55.347	6.76	61	55.31	27.896	8.03	-93.2	1.1	2.8	5.9
01/10/05	07:30:39	23.38	55.410	6.76	62	55.19	27.817	8.03	-93.1	1.1	2.8	5.9
01/10/05	08:00:39	23.37	55.358	6.77	62	55.12	27.771	8.02	-93.0	1.0	2.8	6.0
01/10/05	08:30:39	23.36	55.410	6.54	61	55.04	27.715	8.02	-92.9	1.0	2.8	5.9
01/10/05	09:00:40	23.33	55.422	6.56	61	54.94	27.645	8.02	-92.9	1.0	2.9	6.1
01/10/05	09:30:39	23.30	55.414	6.67	61	54.89	27.606	8.02	-92.9	1.1	2.9	1387.4
01/10/05	10:00:39	23.25	55.405	6.77	61	54.75	27.513	8.03	-93.1	1.1	2.8	1387.2
01/10/05	10:30:39	23.18	55.424	6.38	61	54.72	27.490	8.02	-92.9	1.1	2.9	6.1
01/10/05	11:00:39	23.08	55.393	6.38	61	54.61	27.417	8.02	-92.7	1.1	2.8	6.1
01/10/05	11:30:40	23.03	55.430	6.20	61	54.54	27.363	8.01	-92.2	1.0	2.8	5.9
01/10/05	12:00:39	23.04	55.482	6.23	61	54.48	27.326	8.01	-92.2	1.2	2.9	5.9
01/10/05	12:30:39	23.06	55.419	6.26	61	54.41	27.277	8.01	-92.0	1.1	2.9	1386.4
01/10/05	13:00:39	23.07	55.385	6.33	61	54.34	27.232	8.01	-92.2	1.2	2.9	1386.4
01/10/05	13:30:39	23.09	55.420	6.26	61	54.31	27.209	8.01	-92.2	2.6	2.9	6.0
01/10/05	14:00:40	23.10	55.508	6.29	61	54.30	27.202	8.01	-92.2	10.0	3.0	6.1
01/10/05	14:30:39	23.12	55.471	6.52	61	54.31	27.208	8.02	-92.5	15.4	2.9	1386.6
01/10/05	15:00:39	23.10	55.223	6.65	61	54.38	27.262	8.02	-92.6	21.8	2.9	5.9
01/10/05	15:30:39	23.09	55.164	6.75	62	54.44	27.303	8.02	-92.7	30.3	2.7	6.1
01/10/05	16:00:39	23.09	55.181	6.79	61	54.47	27.323	8.02	-92.9	36.3	2.9	6.1
01/10/05	16:30:40	23.07	55.158	6.92	62	54.52	27.359	8.02	-93.0	43.9	2.8	6.1
01/10/05	17:00:39	23.06	55.158	6.94	61	54.60	27.408	8.02	-92.7	27.3	2.9	6.1
01/10/05	17:30:39	23.02	55.133	6.94	61	54.75	27.513	8.02	-92.8	42.0	2.9	1386.2
01/10/05	18:00:39	23.00	55.137	7.05	62	54.86	27.591	8.02	-92.7	40.9	2.8	6.2
01/10/05	18:30:39	23.01	55.121	7.07	62	54.94	27.643	8.02	-92.8	56.1	3.0	1386.1
01/10/05	19:00:39	23.07	55.128	7.16	61	55.08	27.743	8.03	-93.1	57.5	2.9	6.1
01/10/05	19:30:39	23.10	55.153	7.21	61	55.10	27.755	8.03	-93.0	28.4	2.9	6.1
01/10/05	20:00:39	23.11	55.163	7.29	62	55.20	27.826	8.03	-93.1	52.0	3.0	6.2
01/10/05	20:30:39	23.10	55.143	7.23	62	55.31	27.898	8.02	-92.8	18.8	2.8	6.1
01/10/05	21:00:39	23.08	55.168	7.16	62	55.38	27.943	8.02	-92.8	18.1	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/10/05	21:30:39	23.08	55.217	7.18	62	55.46	27.998	8.02	-92.7	7.6	2.9	6.1
01/10/05	22:00:39	23.04	55.192	7.13	61	55.48	28.015	8.02	-92.7	13.3	2.8	1386.3
01/10/05	22:30:39	22.94	55.146	7.10	61	55.54	28.055	8.02	-92.6	12.1	2.9	6.2
01/10/05	23:00:39	22.80	55.085	7.06	62	55.58	28.084	8.02	-92.5	5.2	3.0	1385.3
01/10/05	23:30:39	22.80	55.183	7.03	61	55.60	28.099	8.02	-92.6	1.8	2.8	6.2
01/11/05	00:00:39	22.86	55.213	7.03	61	55.59	28.091	8.03	-93.3	1.1	2.9	1385.4
01/11/05	00:30:39	22.87	55.225	6.81	61	55.63	28.117	8.03	-93.3	1.1	2.9	6.1
01/11/05	01:00:39	22.87	55.231	6.56	61	55.64	28.125	8.03	-93.3	1.2	2.9	1385.6
01/11/05	01:30:39	22.84	55.223	6.78	61	55.65	28.129	8.03	-93.3	1.2	3.0	8.9
01/11/05	02:00:39	22.86	55.230	6.85	61	55.64	28.123	8.03	-93.3	1.1	2.9	1385.4
01/11/05	02:30:39	22.93	55.267	6.76	61	55.63	28.119	8.03	-93.3	1.0	2.9	1385.8
01/11/05	03:00:39	22.95	55.369	6.84	61	55.59	28.085	8.03	-93.2	1.2	3.0	6.1
01/11/05	03:30:39	22.95	55.243	6.70	61	55.61	28.105	8.03	-93.2	1.1	2.9	1385.9
01/11/05	04:00:39	23.07	55.281	6.81	62	55.53	28.049	8.03	-93.4	1.1	2.9	1386.4
01/11/05	04:30:39	23.14	55.200	6.85	62	55.50	28.029	8.03	-93.5	1.1	2.9	1386.7
01/11/05	05:00:39	23.22	55.329	6.91	61	55.49	28.020	8.04	-93.8	1.1	2.7	5.6
01/11/05	05:30:39	23.21	55.348	6.92	62	55.45	27.994	8.04	-93.6	1.2	2.9	6.1
01/11/05	06:00:39	23.19	55.213	6.92	61	55.51	28.035	8.03	-93.5	1.1	2.9	6.1
01/11/05	06:30:39	23.17	55.332	6.87	62	55.39	27.955	8.03	-93.4	1.0	2.9	1386.9
01/11/05	07:00:40	23.16	55.328	6.90	62	55.41	27.963	8.03	-93.4	1.1	2.9	1386.7
01/11/05	07:30:39	23.13	55.346	6.84	62	55.32	27.905	8.03	-93.3	1.0	2.9	6.1
01/11/05	08:00:39	23.07	55.433	6.83	61	55.16	27.792	8.03	-93.3	1.1	2.9	6.1
01/11/05	08:30:39	23.03	55.380	6.73	61	55.20	27.821	8.03	-93.3	1.1	2.9	5.9
01/11/05	09:00:39	22.94	55.321	6.85	61	55.12	27.763	8.03	-93.3	1.0	3.0	6.1
01/11/05	09:30:40	22.85	55.314	6.86	61	55.02	27.696	8.03	-93.1	1.1	2.9	5.9
01/11/05	10:00:39	22.79	55.287	6.80	61	54.98	27.666	8.03	-93.0	1.0	3.0	6.1
01/11/05	10:30:39	22.75	55.292	6.64	61	54.80	27.542	8.03	-93.0	1.1	3.0	5.9
01/11/05	11:00:39	22.75	55.276	6.58	61	54.77	27.522	8.03	-93.0	1.1	2.8	6.1
01/11/05	11:30:39	22.74	55.264	6.66	61	54.63	27.426	8.03	-93.0	1.1	2.9	5.9
01/11/05	12:00:40	22.73	55.249	6.65	61	54.62	27.418	8.02	-92.8	1.1	2.9	6.3
01/11/05	12:30:39	22.71	55.245	6.65	62	54.51	27.345	8.02	-92.9	1.1	2.9	5.9
01/11/05	13:00:39	22.71	55.359	6.65	61	54.54	27.361	8.02	-92.9	1.2	3.0	5.9
01/11/05	13:30:39	22.70	55.334	6.64	62	54.42	27.279	8.03	-93.0	2.7	2.9	6.1
01/11/05	14:00:39	22.72	55.220	6.55	61	54.38	27.257	8.02	-92.5	5.6	2.8	6.1
01/11/05	14:30:40	22.74	55.072	6.56	61	54.44	27.301	8.02	-92.6	10.3	2.8	5.7
01/11/05	15:00:39	22.78	55.063	6.67	61	54.40	27.274	8.02	-92.7	19.4	3.0	6.1
01/11/05	15:30:39	22.63	54.971	6.89	61	54.51	27.350	8.03	-92.9	25.9	2.8	6.1
01/11/05	16:00:39	22.56	54.936	6.92	61	54.40	27.274	8.02	-92.8	32.6	3.0	6.1
01/11/05	16:30:39	22.51	54.916	6.98	61	54.45	27.309	8.03	-93.0	35.3	2.8	6.1
01/11/05	17:00:40	22.61	54.968	7.01	61	54.58	27.399	8.03	-93.1	39.7	2.8	6.0
01/11/05	17:30:39	22.69	55.020	7.04	61	54.67	27.458	8.03	-93.1	46.6	2.9	6.0
01/11/05	18:00:39	22.73	55.048	7.10	62	54.77	27.523	8.03	-93.1	49.0	2.8	6.1
01/11/05	18:30:39	22.76	55.052	7.16	61	54.94	27.641	8.03	-93.1	49.9	2.8	6.0
01/11/05	19:00:39	22.76	55.053	7.14	61	54.88	27.605	8.03	-93.0	26.9	2.9	6.1
01/11/05	19:30:40	22.76	55.063	7.17	61	54.88	27.605	8.03	-93.1	30.0	2.9	6.0
01/11/05	20:00:39	22.76	55.054	7.13	62	55.04	27.711	8.03	-93.0	25.2	2.8	1385.0
01/11/05	20:30:39	22.75	55.055	7.14	61	55.28	27.874	8.03	-93.0	29.8	2.9	1385.0
01/11/05	21:00:39	22.76	55.069	7.17	61	55.30	27.892	8.03	-93.0	29.0	2.8	6.0
01/11/05	21:30:39	22.76	55.062	7.12	61	55.38	27.947	8.02	-92.8	17.7	2.8	1385.1
01/11/05	22:00:40	22.76	55.072	7.07	62	55.48	28.016	8.02	-92.7	14.9	2.8	1385.0
01/11/05	22:30:39	22.78	55.255	7.01	60	55.58	28.081	8.02	-92.7	8.2	2.9	6.1
01/11/05	23:00:39	22.79	55.261	7.01	62	55.63	28.116	8.02	-92.7	4.3	2.9	6.0
01/11/05	23:30:39	22.78	55.263	6.90	61	55.58	28.083	8.02	-92.7	1.9	2.9	6.0
01/12/05	00:00:39	22.67	55.167	6.90	62	55.68	28.152	8.02	-92.8	1.1	2.8	6.0
01/12/05	00:30:40	22.61	55.137	6.89	61	55.58	28.079	8.02	-92.8	1.1	2.8	6.1
01/12/05	01:00:39	22.57	55.097	6.82	61	55.68	28.149	8.02	-92.7	1.0	2.8	5.9
01/12/05	01:30:39	22.51	55.150	6.71	61	55.71	28.168	8.02	-92.6	1.1	2.9	5.9
01/12/05	02:00:39	22.35	54.970	6.88	61	55.76	28.206	8.03	-93.0	1.1	2.8	6.1
01/12/05	02:30:39	22.11	54.780	7.01	60	55.70	28.165	8.03	-93.0	1.1	2.9	6.1
01/12/05	03:00:40	22.07	54.875	6.95	61	55.66	28.138	8.03	-93.1	1.2	2.8	6.2
01/12/05	03:30:39	22.09	54.614	6.96	61	55.71	28.174	8.03	-93.1	1.2	2.8	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/12/05	04:00:39	22.12	54.843	6.93	61	55.69	28.157	8.03	-93.1	1.1	2.7	6.1
01/12/05	04:30:39	22.16	54.931	6.91	61	55.62	28.107	8.03	-93.1	1.1	2.9	6.1
01/12/05	05:00:39	22.19	54.932	6.90	60	55.58	28.083	8.03	-93.1	1.1	3.0	6.0
01/12/05	05:30:39	22.22	54.951	6.83	61	55.53	28.047	8.03	-93.1	1.1	3.0	6.0
01/12/05	06:00:39	22.25	54.978	6.76	61	55.54	28.056	8.03	-93.0	1.2	2.9	6.1
01/12/05	06:30:39	22.27	54.980	6.72	61	55.57	28.071	8.03	-93.0	1.1	2.9	6.0
01/12/05	07:00:39	22.27	54.964	6.78	61	55.54	28.052	8.03	-93.0	1.1	2.9	6.0
01/12/05	07:30:39	22.25	54.941	6.74	61	55.51	28.033	8.03	-92.9	1.2	2.8	6.1
01/12/05	08:00:39	22.22	54.930	6.81	61	55.36	27.927	8.03	-93.1	1.1	2.9	6.0
01/12/05	08:30:39	22.17	54.937	6.80	61	55.36	27.932	8.03	-93.0	1.1	2.8	5.8
01/12/05	09:00:39	22.20	54.952	6.79	61	55.31	27.892	8.03	-93.0	1.1	2.9	6.0
01/12/05	09:30:39	22.19	55.063	6.76	60	55.26	27.857	8.03	-93.0	1.0	3.0	6.4
01/12/05	10:00:39	22.18	54.964	6.73	61	55.18	27.804	8.03	-92.9	1.0	2.8	6.4
01/12/05	10:30:39	22.21	54.974	6.67	61	55.14	27.777	8.03	-92.9	1.1	3.0	6.1
01/12/05	11:00:39	22.22	55.022	6.62	61	54.94	27.640	8.02	-92.8	1.1	2.9	6.1
01/12/05	11:30:39	22.22	55.020	6.61	60	54.90	27.613	8.03	-92.9	1.1	2.9	6.1
01/12/05	12:00:39	22.22	54.993	6.61	61	54.82	27.560	8.02	-92.8	1.1	2.9	5.9
01/12/05	12:30:40	22.20	54.989	6.63	60	54.75	27.508	8.02	-92.8	1.1	2.8	6.0
01/12/05	13:00:39	22.19	54.968	6.65	61	54.64	27.437	8.03	-93.0	1.2	2.9	6.0
01/12/05	13:30:39	22.17	54.838	6.70	60	54.64	27.438	8.03	-93.0	3.1	2.8	1382.5
01/12/05	14:00:39	22.14	54.739	6.77	60	54.66	27.453	8.03	-93.0	6.4	2.9	1382.3
01/12/05	14:30:39	22.10	54.653	6.87	61	54.60	27.414	8.03	-93.0	10.1	2.9	6.2
01/12/05	15:00:40	22.06	54.597	7.01	61	54.41	27.278	8.03	-93.2	17.9	2.9	6.2
01/12/05	15:30:39	22.05	54.570	7.06	61	54.58	27.395	8.03	-93.3	20.5	3.0	6.0
01/12/05	16:00:39	22.07	54.704	6.98	61	54.57	27.390	8.03	-93.3	28.3	2.8	6.1
01/12/05	16:30:39	22.09	54.532	7.19	61	54.38	27.264	8.04	-93.4	33.7	2.9	6.1
01/12/05	17:00:39	22.10	54.533	7.19	61	54.31	27.214	8.04	-93.4	33.7	2.8	6.1
01/12/05	17:30:40	22.11	54.543	7.21	60	54.17	27.115	8.04	-93.4	24.4	2.8	6.1
01/12/05	18:00:39	22.11	54.555	7.25	61	54.71	27.486	8.04	-93.4	41.8	3.0	6.1
01/12/05	18:30:39	22.13	54.562	7.26	61	54.26	27.178	8.04	-93.4	43.2	3.0	6.1
01/12/05	19:00:39	22.14	54.577	7.33	61	55.12	27.771	8.04	-93.4	17.9	2.9	6.1
01/12/05	19:30:39	22.17	54.581	7.32	60	54.91	27.623	8.03	-93.3	25.6	2.8	6.1
01/12/05	20:00:40	22.19	54.615	7.30	61	54.76	27.524	8.03	-93.3	31.2	2.9	6.0
01/12/05	20:30:39	22.22	54.662	7.30	61	54.45	27.306	8.03	-93.3	25.8	3.0	6.0
01/12/05	21:00:39	22.25	54.846	7.25	60	55.22	27.833	8.03	-93.2	13.7	2.9	6.2
01/12/05	21:30:39	22.26	54.884	7.20	60	55.40	27.961	8.03	-93.1	13.1	2.9	1382.9
01/12/05	22:00:39	22.29	54.918	7.13	61	55.18	27.810	8.03	-93.1	11.1	2.9	1383.0
01/12/05	22:30:40	22.33	54.954	7.09	60	55.59	28.091	8.03	-93.2	8.4	2.8	1383.2
01/12/05	23:00:39	22.34	54.972	7.08	61	55.31	27.896	8.03	-93.1	3.5	3.0	6.3
01/12/05	23:30:39	22.39	55.003	7.07	61	55.52	28.041	8.03	-93.2	1.7	3.0	5.9
01/13/05	00:00:39	22.41	55.089	7.01	60	55.09	27.743	8.03	-93.3	1.2	2.9	6.0
01/13/05	00:30:39	22.47	55.167	6.99	60	55.49	28.017	8.03	-93.4	1.1	2.9	6.0
01/13/05	01:00:39	22.50	55.163	6.98	61	55.49	28.015	8.04	-93.4	1.1	2.9	6.2
01/13/05	01:30:39	22.55	55.197	7.00	61	55.57	28.071	8.04	-93.5	1.1	2.8	6.7
01/13/05	02:00:39	22.56	55.182	7.02	61	55.70	28.162	8.04	-93.4	1.2	2.9	6.0
01/13/05	02:30:39	22.57	55.143	7.01	61	55.40	27.959	8.03	-93.4	1.0	2.9	6.1
01/13/05	03:00:40	22.58	55.162	7.00	61	55.13	27.769	8.04	-93.4	1.2	2.8	5.9
01/13/05	03:30:39	22.61	55.216	6.95	61	55.11	27.753	8.04	-93.5	1.1	2.9	6.0
01/13/05	04:00:39	22.62	55.138	6.95	61	55.61	28.101	8.03	-93.4	1.0	2.9	5.9
01/13/05	04:30:39	22.64	55.036	6.98	61	55.75	28.198	8.04	-93.5	1.1	2.9	6.0
01/13/05	05:00:39	22.63	55.021	6.93	61	55.83	28.253	8.03	-93.4	1.1	2.8	6.1
01/13/05	05:30:40	22.70	55.016	6.92	61	56.26	28.553	8.04	-93.5	1.2	2.9	6.0
01/13/05	06:00:39	22.74	54.997	6.92	61	55.60	28.100	8.04	-93.5	1.2	2.8	1385.0
01/13/05	06:30:39	22.78	55.039	6.96	61	55.93	28.325	8.04	-93.6	1.1	2.8	1385.1
01/13/05	07:00:39	22.80	55.209	6.95	61	55.46	28.001	8.04	-93.6	1.2	2.8	1385.2
01/13/05	07:30:39	22.82	55.348	6.94	61	55.43	27.975	8.04	-93.6	1.0	2.9	6.1
01/13/05	08:00:40	22.84	55.236	6.95	61	56.10	28.437	8.04	-93.7	1.1	2.9	5.9
01/13/05	08:30:39	22.79	55.202	6.97	61	55.66	28.133	8.04	-93.6	1.2	3.0	5.9
01/13/05	09:00:39	22.67	55.175	6.91	61	55.16	27.795	8.03	-93.4	1.1	2.9	6.0
01/13/05	09:30:39	22.51	55.183	6.86	61	55.21	27.826	8.03	-93.1	1.0	2.8	6.2
01/13/05	10:00:39	22.50	55.101	6.84	62	54.81	27.549	8.03	-93.1	1.2	2.9	1384.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/13/05	10:30:40	22.46	55.079	6.81	61	55.52	28.038	8.03	-93.1	1.1	3.0	1383.7
01/13/05	11:00:39	22.42	55.143	6.78	60	55.65	28.126	8.03	-93.0	1.2	2.9	6.1
01/13/05	11:30:39	22.42	55.162	6.77	61	55.13	27.767	8.03	-93.0	1.1	3.0	6.0
01/13/05	12:00:39	22.50	55.135	6.79	61	54.68	27.462	8.03	-93.3	1.0	2.9	5.9
01/13/05	12:30:39	22.57	55.094	6.84	61	54.77	27.522	8.04	-93.6	1.1	2.8	6.1
01/13/05	13:00:40	22.69	55.131	6.90	61	55.00	27.685	8.04	-93.7	1.2	3.0	6.0
01/13/05	13:30:39	22.75	55.106	6.90	61	55.12	27.763	8.04	-93.8	1.7	2.9	5.9
01/13/05	14:00:39	22.77	55.130	6.91	61	54.84	27.574	8.04	-93.7	2.5	3.0	5.9
01/13/05	14:30:39	22.76	55.129	6.91	61	54.53	27.359	8.04	-93.6	1.4	2.7	6.1
01/13/05	15:00:39	22.75	55.146	6.92	61	54.83	27.564	8.04	-93.6	2.4	2.8	6.0
01/13/05	15:30:40	22.73	55.111	6.92	61	54.91	27.624	8.04	-93.5	2.4	2.8	5.9
01/13/05	16:00:39	22.73	55.151	6.92	61	54.54	27.367	8.03	-93.4	3.5	3.0	5.9
01/13/05	16:30:39	22.72	55.099	6.95	61	54.66	27.447	8.03	-93.3	6.3	2.9	5.9
01/13/05	17:00:39	22.71	55.109	6.94	61	54.86	27.589	8.03	-93.2	6.1	3.0	5.9
01/13/05	17:30:39	22.70	55.167	6.96	61	54.88	27.603	8.03	-93.3	11.5	2.8	5.9
01/13/05	18:00:40	22.70	55.070	6.97	61	54.65	27.443	8.03	-93.3	11.3	2.9	5.8
01/13/05	18:30:39	22.69	55.069	6.94	60	54.85	27.580	8.03	-93.1	3.2	2.9	5.9
01/13/05	19:00:39	22.70	55.183	6.97	61	54.73	27.495	8.03	-93.1	6.7	2.9	6.1
01/13/05	19:30:39	22.68	55.168	6.99	61	54.65	27.445	8.03	-93.1	10.8	2.9	6.0
01/13/05	20:00:39	22.68	55.045	7.18	61	55.22	27.838	8.03	-93.4	33.5	2.9	6.1
01/13/05	20:30:40	22.67	55.162	7.21	61	55.19	27.811	8.03	-93.2	18.0	2.9	6.1
01/13/05	21:00:39	22.69	55.045	7.26	61	54.74	27.504	8.03	-93.3	17.1	2.9	1384.8
01/13/05	21:30:39	22.67	55.029	7.21	61	55.27	27.867	8.03	-93.1	13.5	2.8	6.0
01/13/05	22:00:39	22.66	55.050	7.20	61	55.40	27.958	8.03	-93.1	15.1	2.9	5.9
01/13/05	22:30:39	22.67	55.048	7.18	61	55.58	28.083	8.03	-93.1	8.2	2.9	5.9
01/13/05	23:00:40	22.66	55.042	7.11	61	55.30	27.893	8.03	-93.0	5.0	2.8	5.9
01/13/05	23:30:39	22.63	55.031	7.07	61	55.29	27.886	8.03	-93.0	2.1	2.8	6.1
01/14/05	00:00:39	22.65	55.152	7.04	61	55.20	27.817	8.03	-93.1	1.1	2.9	6.0
01/14/05	00:30:39	22.64	55.231	6.98	61	55.39	27.951	8.03	-93.1	1.2	2.9	5.9
01/14/05	01:00:39	22.58	55.003	7.02	61	55.49	28.019	8.03	-93.1	1.0	2.8	6.1
01/14/05	01:30:40	22.60	55.078	7.00	60	55.48	28.010	8.03	-93.2	1.2	3.0	6.0
01/14/05	02:00:39	22.59	55.052	6.99	61	55.43	27.980	8.03	-93.3	1.1	2.9	5.9
01/14/05	02:30:39	22.58	55.071	6.93	61	55.51	28.033	8.03	-93.2	1.2	3.0	5.8
01/14/05	03:00:39	22.57	55.085	6.91	60	55.38	27.943	8.03	-93.3	1.1	2.9	5.9
01/14/05	03:30:39	22.56	55.023	6.92	61	55.38	27.941	8.03	-93.3	1.1	2.9	6.0
01/14/05	04:00:40	22.57	55.060	6.89	61	55.42	27.972	8.03	-93.3	1.1	2.8	5.9
01/14/05	04:30:39	22.56	55.039	6.89	60	55.00	27.686	8.03	-93.1	1.0	2.8	6.0
01/14/05	05:00:39	22.55	55.109	6.90	60	55.40	27.958	8.03	-93.2	1.1	2.9	6.0
01/14/05	05:30:39	22.55	55.042	6.92	60	55.40	27.959	8.03	-93.3	1.2	2.9	5.8
01/14/05	06:00:39	22.54	55.072	6.90	60	55.21	27.824	8.03	-93.2	1.1	3.0	6.7
01/14/05	06:30:40	22.54	55.087	6.87	61	55.25	27.852	8.03	-93.2	1.2	2.9	6.1
01/14/05	07:00:39	22.54	55.079	6.88	61	55.30	27.886	8.03	-93.2	1.2	3.0	5.9
01/14/05	07:30:39	22.52	55.071	6.85	61	55.47	28.005	8.03	-93.3	1.1	3.0	6.1
01/14/05	08:00:39	22.54	55.063	6.87	61	55.40	27.955	8.03	-93.2	1.1	3.0	6.0
01/14/05	08:30:39	22.54	55.040	6.81	60	55.16	27.795	8.03	-93.2	1.1	3.0	6.0
01/14/05	09:00:40	22.55	55.230	6.81	61	55.23	27.838	8.03	-93.1	1.1	2.9	6.1
01/14/05	09:30:39	22.54	55.057	6.83	61	54.87	27.595	8.03	-93.0	1.1	2.8	6.1
01/14/05	10:00:39	22.54	55.068	6.83	62	55.12	27.766	8.03	-93.1	1.1	2.9	6.0
01/14/05	10:30:39	22.56	55.078	6.76	61	55.29	27.886	8.03	-93.0	1.1	3.0	6.1
01/14/05	11:00:39	22.59	55.078	6.81	61	55.29	27.880	8.03	-93.0	1.0	2.8	5.8
01/14/05	11:30:40	22.62	55.037	6.78	61	54.76	27.516	8.03	-93.1	1.1	3.0	5.9
01/14/05	12:00:39	22.66	55.235	6.82	60	55.05	27.716	8.03	-93.3	1.1	2.8	5.9
01/14/05	12:30:39	22.68	55.088	6.83	61	55.05	27.720	8.03	-93.1	1.1	2.8	6.1
01/14/05	13:00:39	22.69	55.071	6.77	60	55.24	27.847	8.03	-93.3	1.2	2.8	6.0
01/14/05	13:30:39	22.70	55.066	6.78	60	54.84	27.573	8.03	-93.1	2.5	2.9	6.0
01/14/05	14:00:39	22.69	55.269	6.82	61	54.92	27.627	8.03	-93.1	4.1	2.9	5.8
01/14/05	14:30:39	22.69	55.070	6.88	61	54.70	27.479	8.03	-93.1	7.2	2.9	6.0
01/14/05	15:00:39	22.68	55.074	6.91	61	54.84	27.577	8.03	-93.0	8.3	2.9	5.9
01/14/05	15:30:39	22.66	55.070	6.92	61	54.86	27.584	8.02	-92.8	11.2	2.8	6.1
01/14/05	16:00:39	22.63	55.029	6.93	61	54.44	27.299	8.03	-93.0	16.5	2.8	6.2
01/14/05	16:30:39	22.61	55.033	7.01	62	54.87	27.593	8.02	-92.9	18.5	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/14/05	17:00:39	22.60	55.005	7.10	61	54.39	27.268	8.03	-93.0	47.6	2.8	5.9
01/14/05	17:30:39	22.58	54.995	7.11	61	54.84	27.574	8.02	-92.7	16.9	3.0	6.0
01/14/05	18:00:39	22.56	55.014	7.14	61	54.93	27.633	8.03	-92.9	22.8	2.9	6.2
01/14/05	18:30:40	22.57	54.988	7.16	62	54.84	27.573	8.02	-92.7	30.6	3.0	6.0
01/14/05	19:00:39	22.59	54.990	7.25	61	54.75	27.516	8.02	-92.7	56.3	2.9	6.0
01/14/05	19:30:39	22.59	54.992	7.18	61	54.76	27.523	8.02	-92.7	20.5	2.9	6.0
01/14/05	20:00:39	22.60	54.994	7.21	61	54.66	27.452	8.02	-92.8	46.5	2.9	6.0
01/14/05	20:30:39	22.64	55.020	7.15	61	55.00	27.686	8.02	-92.6	12.5	3.0	6.2
01/14/05	21:00:40	22.65	55.035	7.11	61	54.77	27.528	8.02	-92.5	10.7	2.9	6.1
01/14/05	21:30:39	22.66	55.016	7.07	61	55.04	27.714	8.02	-92.4	8.5	2.8	6.1
01/14/05	22:00:39	22.65	55.034	7.00	61	54.96	27.655	8.02	-92.5	3.3	2.9	5.9
01/14/05	22:30:39	22.63	55.012	6.99	61	54.98	27.674	8.02	-92.5	4.7	2.9	6.1
01/14/05	23:00:39	22.61	55.013	6.91	61	54.95	27.652	8.02	-92.4	2.1	2.9	6.0
01/14/05	23:30:40	22.60	55.006	6.90	61	55.06	27.726	8.02	-92.5	1.4	2.9	6.0
01/15/05	00:00:39	22.60	55.025	6.88	61	55.30	27.889	8.02	-92.5	1.2	2.9	6.0
01/15/05	00:30:39	22.60	54.995	6.90	61	55.28	27.877	8.02	-92.8	1.0	2.8	6.0
01/15/05	01:00:39	22.65	55.074	6.87	61	55.20	27.818	8.02	-92.6	1.1	2.8	5.9
01/15/05	01:30:39	22.78	55.090	6.80	61	55.21	27.831	8.02	-92.7	1.1	2.9	6.0
01/15/05	02:00:40	22.87	55.320	6.75	61	55.26	27.861	8.02	-92.7	1.2	2.8	5.9
01/15/05	02:30:39	22.91	55.114	6.70	61	55.27	27.874	8.02	-92.7	1.1	2.9	1385.7
01/15/05	03:00:39	22.95	55.117	6.70	61	55.24	27.847	8.02	-92.6	1.1	3.0	6.0
01/15/05	03:30:39	22.96	55.346	6.71	61	55.24	27.845	8.02	-92.7	1.1	3.0	5.9
01/15/05	04:00:39	22.96	55.133	6.75	61	55.26	27.864	8.02	-92.6	1.1	2.8	6.0
01/15/05	04:30:40	22.96	55.120	6.72	61	55.15	27.785	8.02	-92.5	1.1	3.0	5.9
01/15/05	05:00:39	22.97	55.276	6.73	61	55.13	27.772	8.02	-92.6	1.0	2.9	6.0
01/15/05	05:30:39	22.97	55.220	6.74	61	55.20	27.822	8.02	-92.6	1.2	2.9	1385.9
01/15/05	06:00:39	22.96	54.916	6.77	61	55.12	27.770	8.02	-92.7	1.2	2.8	5.9
01/15/05	06:30:39	22.97	55.290	6.71	61	55.20	27.819	8.02	-92.7	1.1	2.9	6.0
01/15/05	07:00:40	22.98	55.243	6.67	61	55.11	27.762	8.02	-92.5	1.0	2.9	5.9
01/15/05	07:30:39	22.99	55.122	6.69	60	55.18	27.807	8.02	-92.6	1.2	2.9	5.9
01/15/05	08:00:39	23.00	55.120	6.67	61	55.19	27.816	8.02	-92.7	1.1	3.0	1386.1
01/15/05	08:30:39	23.00	55.085	6.62	61	55.16	27.794	8.02	-92.7	1.0	2.9	1386.1
01/15/05	09:00:39	22.95	55.079	6.60	61	55.22	27.836	8.01	-92.3	1.2	2.9	1385.9
01/15/05	09:30:39	22.94	55.263	6.68	61	55.15	27.789	8.02	-92.4	1.1	2.9	6.1
01/15/05	10:00:39	22.93	55.086	6.66	61	55.18	27.809	8.02	-92.5	1.2	2.9	6.0
01/15/05	10:30:39	22.94	55.106	6.64	60	55.17	27.802	8.01	-92.2	1.1	2.8	6.0
01/15/05	11:00:39	22.94	55.086	6.67	61	55.22	27.839	8.02	-92.7	0.9	2.9	1385.8
01/15/05	11:30:39	22.94	55.099	6.67	60	55.27	27.872	8.02	-92.7	1.0	2.8	6.0
01/15/05	12:00:39	22.95	55.287	6.69	61	55.25	27.856	8.02	-92.5	1.1	3.0	5.9
01/15/05	12:30:39	22.94	55.088	6.74	61	55.14	27.783	8.02	-92.6	1.1	3.0	1385.8
01/15/05	13:00:39	22.94	55.075	6.72	61	55.25	27.854	8.02	-92.6	1.1	2.9	1385.8
01/15/05	13:30:39	22.93	55.272	6.66	61	55.27	27.866	8.01	-92.3	1.7	2.9	5.9
01/15/05	14:00:39	22.92	55.300	6.72	60	55.18	27.807	8.01	-92.3	3.2	2.8	5.9
01/15/05	14:30:39	22.92	55.172	6.76	61	55.13	27.775	8.02	-92.6	3.9	3.0	5.9
01/15/05	15:00:39	22.93	55.077	6.77	61	55.10	27.758	8.01	-92.3	3.8	2.9	6.0
01/15/05	15:30:39	22.93	55.080	6.76	61	55.14	27.783	8.01	-92.3	6.3	2.9	5.9
01/15/05	16:00:39	22.93	55.067	6.87	61	55.09	27.750	8.02	-92.6	12.6	2.9	5.9
01/15/05	16:30:39	22.93	55.168	6.88	61	55.04	27.715	8.02	-92.5	19.0	2.9	6.0
01/15/05	17:00:39	22.95	55.079	7.04	61	54.98	27.673	8.02	-92.6	41.7	3.0	6.1
01/15/05	17:30:39	22.95	55.073	7.12	61	55.07	27.736	8.02	-92.8	33.0	2.9	5.8
01/15/05	18:00:39	22.97	55.071	7.12	61	55.02	27.702	8.02	-92.5	32.2	2.9	1385.9
01/15/05	18:30:39	22.98	55.071	7.19	61	54.95	27.654	8.02	-92.5	30.6	2.9	5.9
01/15/05	19:00:39	22.97	55.052	7.16	61	55.07	27.732	8.02	-92.5	22.9	2.9	5.9
01/15/05	19:30:39	22.97	55.059	7.25	61	55.03	27.707	8.02	-92.6	48.6	3.0	6.0
01/15/05	20:00:39	22.97	55.080	7.20	61	55.08	27.740	8.01	-92.3	22.1	2.9	5.9
01/15/05	20:30:39	22.98	55.065	7.18	60	55.10	27.756	8.01	-92.3	26.1	2.9	1386.0
01/15/05	21:00:39	23.00	55.067	7.16	61	55.14	27.783	8.01	-92.3	17.7	2.9	1386.1
01/15/05	21:30:40	22.99	55.084	7.14	61	55.12	27.766	8.01	-92.2	16.4	2.9	1386.1
01/15/05	22:00:39	22.97	55.057	7.13	61	55.13	27.776	8.01	-92.2	17.0	2.9	5.9
01/15/05	22:30:39	22.97	55.054	7.08	60	55.20	27.825	8.01	-92.2	10.9	3.0	1386.0
01/15/05	23:00:39	22.95	55.064	6.99	60	55.23	27.843	8.01	-92.0	6.0	2.8	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/15/05	23:30:39	22.95	55.054	6.91	60	55.21	27.830	8.01	-92.1	1.7	2.9	1385.9
01/16/05	00:00:40	22.93	55.048	6.86	60	55.24	27.850	8.01	-92.2	0.9	2.9	5.9
01/16/05	00:30:39	22.93	55.122	6.87	60	55.27	27.871	8.01	-92.3	1.0	2.9	5.9
01/16/05	01:00:39	22.89	55.065	6.83	61	55.26	27.862	8.01	-92.2	1.1	2.9	5.9
01/16/05	01:30:39	22.89	55.087	6.81	61	55.32	27.908	8.01	-92.2	1.2	2.8	6.0
01/16/05	02:00:39	22.87	55.074	6.79	61	55.23	27.845	8.01	-92.2	1.0	2.8	5.8
01/16/05	02:30:40	22.87	55.115	6.75	61	55.28	27.875	8.01	-92.2	1.0	2.9	6.1
01/16/05	03:00:39	22.87	55.077	6.77	61	55.19	27.816	8.01	-92.2	1.1	3.0	1385.5
01/16/05	03:30:39	22.89	55.087	6.75	61	55.21	27.830	8.01	-92.1	1.1	2.8	5.9
01/16/05	04:00:39	22.89	55.170	6.78	61	55.20	27.820	8.01	-92.2	1.0	2.9	5.9
01/16/05	04:30:39	22.90	55.097	6.72	61	55.12	27.768	8.01	-92.0	1.0	2.9	6.0
01/16/05	05:00:40	22.89	55.306	6.65	61	55.15	27.788	8.01	-91.9	1.1	2.9	1385.6
01/16/05	05:30:39	22.86	55.164	6.75	61	55.14	27.778	8.01	-92.3	1.2	2.9	5.8
01/16/05	06:00:39	22.87	55.121	6.69	61	55.05	27.716	8.01	-92.1	1.1	2.9	1385.5
01/16/05	06:30:39	22.80	55.283	6.68	60	55.07	27.731	8.01	-92.0	1.1	2.9	1385.2
01/16/05	07:00:39	22.84	55.100	6.73	61	55.08	27.740	8.01	-92.2	1.1	2.9	5.9
01/16/05	07:30:40	22.80	55.112	6.71	61	54.95	27.651	8.01	-92.0	1.1	2.8	6.0
01/16/05	08:00:39	22.74	55.277	6.72	60	55.04	27.707	8.02	-92.5	1.0	2.9	5.9
01/16/05	08:30:39	22.70	55.252	6.67	61	54.96	27.655	8.01	-91.9	1.2	2.9	5.9
01/16/05	09:00:39	22.67	55.138	6.72	60	54.98	27.669	8.01	-92.0	1.0	2.9	1384.7
01/16/05	09:30:39	22.68	55.018	6.71	61	55.01	27.694	8.01	-92.2	1.1	2.9	6.0
01/16/05	10:00:40	22.66	55.176	6.68	61	55.03	27.703	8.01	-92.2	1.1	2.9	6.1
01/16/05	10:30:39	22.68	55.008	6.74	61	55.04	27.715	8.01	-92.3	1.1	2.9	5.9
01/16/05	11:00:39	22.70	55.216	6.72	60	55.04	27.708	8.01	-92.3	1.0	2.8	6.0
01/16/05	11:30:39	22.71	55.159	6.73	61	55.08	27.736	8.01	-92.3	1.1	2.9	5.7
01/16/05	12:00:39	22.72	55.208	6.70	61	55.10	27.749	8.02	-92.4	1.1	2.9	6.0
01/16/05	12:30:40	22.73	55.141	6.70	60	55.16	27.793	8.01	-92.3	1.1	3.0	6.0
01/16/05	13:00:39	22.76	55.031	6.72	61	55.15	27.786	8.02	-92.5	1.1	2.9	6.1
01/16/05	13:30:39	22.77	55.033	6.74	61	55.19	27.819	8.02	-92.4	2.6	2.9	5.9
01/16/05	14:00:39	22.77	55.081	6.75	61	55.15	27.787	8.01	-92.3	4.9	3.0	1385.1
01/16/05	14:30:39	22.78	55.040	6.80	61	55.25	27.856	8.02	-92.4	8.9	2.7	6.0
01/16/05	15:00:40	22.78	55.048	6.84	61	55.16	27.792	8.01	-92.0	9.8	2.9	5.9
01/16/05	15:30:39	22.81	55.134	6.91	61	55.27	27.867	8.02	-92.4	34.0	2.9	5.9
01/16/05	16:00:39	22.80	55.056	7.00	61	55.14	27.782	8.02	-92.4	15.5	2.9	6.0
01/16/05	16:30:39	22.80	55.033	7.05	61	55.19	27.817	8.02	-92.5	41.0	2.9	5.8
01/16/05	17:00:39	22.81	55.069	7.13	61	55.14	27.784	8.02	-92.5	49.8	2.8	6.0
01/16/05	17:30:40	22.81	55.037	7.19	61	55.08	27.740	8.02	-92.5	55.0	2.9	6.0
01/16/05	18:00:39	22.81	55.139	7.21	61	55.06	27.724	8.01	-92.2	18.4	2.8	1385.3
01/16/05	18:30:39	22.81	55.056	7.25	61	55.14	27.778	8.02	-92.5	56.1	2.8	6.1
01/16/05	19:00:39	22.81	55.046	7.28	61	55.08	27.740	8.02	-92.4	50.7	2.9	6.1
01/16/05	19:30:39	22.83	55.122	7.30	61	55.09	27.746	8.01	-92.3	51.5	3.0	6.0
01/16/05	20:00:39	22.83	55.128	7.34	61	55.03	27.706	8.01	-92.3	47.9	2.8	1385.3
01/16/05	20:30:39	22.84	55.040	7.31	61	55.08	27.743	8.01	-92.1	41.6	2.9	1385.4
01/16/05	21:00:39	22.85	55.034	7.28	60	55.03	27.705	8.01	-92.2	33.4	2.9	6.1
01/16/05	21:30:39	22.85	55.041	7.22	61	55.02	27.698	8.01	-92.0	25.4	2.9	5.9
01/16/05	22:00:39	22.84	55.076	7.19	61	55.07	27.730	8.01	-91.9	17.1	2.9	5.9
01/16/05	22:30:39	22.84	55.048	7.14	61	55.18	27.807	8.00	-91.8	11.9	2.9	6.0
01/16/05	23:00:39	22.84	55.061	7.07	61	55.20	27.821	8.00	-91.7	6.3	2.8	5.9
01/16/05	23:30:39	22.85	55.060	6.98	60	55.25	27.854	8.00	-91.6	2.7	2.9	5.9
01/17/05	00:00:39	22.85	55.077	6.90	60	55.27	27.872	8.00	-91.8	1.0	2.9	1385.4
01/17/05	00:30:39	22.85	55.111	6.83	61	55.18	27.807	8.00	-91.7	1.1	2.8	1385.4
01/17/05	01:00:39	22.83	55.053	6.86	60	55.20	27.819	8.01	-91.9	1.1	2.9	6.0
01/17/05	01:30:39	22.82	55.068	6.86	60	55.11	27.761	8.01	-92.2	1.2	2.9	5.9
01/17/05	02:00:39	22.83	55.050	6.80	60	55.22	27.836	8.01	-91.9	1.1	2.9	6.0
01/17/05	02:30:39	22.83	55.065	6.77	61	55.19	27.818	8.00	-91.9	1.1	3.0	5.9
01/17/05	03:00:40	22.81	55.078	6.75	61	55.04	27.713	8.01	-91.9	1.1	2.9	6.0
01/17/05	03:30:39	22.83	55.068	6.78	60	55.08	27.739	8.01	-91.9	1.0	3.0	5.9
01/17/05	04:00:39	22.80	55.053	6.79	61	55.17	27.804	8.01	-92.1	1.2	2.8	6.1
01/17/05	04:30:39	22.83	55.128	6.75	60	55.10	27.750	8.01	-92.0	1.0	2.9	5.8
01/17/05	05:00:39	22.81	55.062	6.79	61	55.03	27.704	8.01	-92.3	1.1	2.9	1385.3
01/17/05	05:30:40	22.82	55.178	6.75	61	54.99	27.677	8.01	-92.0	1.1	2.9	1385.3

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/17/05	06:00:39	22.81	55.242	6.72	60	54.98	27.670	8.01	-91.9	1.1	2.9	6.1
01/17/05	06:30:39	22.81	55.104	6.78	60	54.88	27.601	8.01	-92.2	1.1	2.8	1385.3
01/17/05	07:00:39	22.80	55.085	6.74	61	55.00	27.684	8.01	-92.2	1.1	2.8	1385.3
01/17/05	07:30:39	22.81	55.081	6.72	61	54.92	27.629	8.01	-91.9	1.1	2.9	5.8
01/17/05	08:00:40	22.79	55.072	6.68	61	54.96	27.658	8.01	-91.9	1.1	2.9	5.9
01/17/05	08:30:39	22.79	55.091	6.67	60	54.87	27.598	8.01	-92.0	1.1	2.8	5.9
01/17/05	09:00:39	22.78	55.060	6.72	60	54.85	27.584	8.01	-92.0	1.1	3.0	5.9
01/17/05	09:30:39	22.79	55.050	6.57	61	54.89	27.610	8.01	-91.9	1.0	2.9	1385.2
01/17/05	10:00:39	22.78	55.059	6.56	60	54.84	27.577	8.00	-91.7	1.2	2.9	6.0
01/17/05	10:30:40	22.78	55.063	6.67	61	54.91	27.624	8.01	-91.9	1.0	3.0	5.9
01/17/05	11:00:39	22.79	55.601	6.63	60	54.92	27.623	8.00	-91.8	1.0	2.7	5.8
01/17/05	11:30:39	22.77	55.272	6.63	60	54.85	27.576	8.01	-91.9	1.1	2.8	1385.1
01/17/05	12:00:39	22.76	55.306	6.62	60	55.00	27.679	8.01	-92.0	1.1	2.9	1385.1
01/17/05	12:30:39	22.75	55.154	6.65	60	54.98	27.672	8.00	-91.8	1.2	3.0	1385.0
01/17/05	13:00:40	22.74	55.091	6.67	60	54.96	27.654	8.01	-91.9	1.2	2.9	6.1
01/17/05	13:30:39	22.73	55.066	6.69	60	55.12	27.766	8.00	-91.8	3.2	2.9	5.9
01/17/05	14:00:39	22.71	55.048	6.68	60	55.20	27.821	8.01	-91.9	8.5	2.9	1384.9
01/17/05	14:30:39	22.70	55.036	6.70	60	55.14	27.780	8.00	-91.6	8.1	2.9	6.1
01/17/05	15:00:39	22.69	55.135	6.76	60	55.28	27.874	8.00	-91.7	24.1	2.9	1384.8
01/17/05	15:30:40	22.68	55.064	6.80	60	55.36	27.929	8.00	-91.6	12.0	2.8	6.2
01/17/05	16:00:39	22.68	55.015	6.91	61	55.35	27.928	8.01	-91.9	38.0	3.0	5.9
01/17/05	16:30:39	22.69	55.023	6.96	60	55.36	27.934	8.00	-91.7	21.0	2.8	1384.8
01/17/05	17:00:39	22.70	55.022	7.00	61	55.12	27.769	8.01	-91.9	20.7	2.9	6.0
01/17/05	17:30:39	22.71	55.044	6.97	60	55.41	27.963	8.01	-91.8	18.0	2.9	5.9
01/17/05	18:00:40	22.71	55.031	6.94	60	55.27	27.874	8.00	-91.6	15.3	2.9	5.9
01/17/05	18:30:39	22.70	55.033	6.94	60	55.15	27.786	8.00	-91.6	17.2	3.0	6.1
01/17/05	19:00:39	22.70	55.047	6.92	61	55.17	27.804	8.00	-91.6	21.4	2.9	6.0
01/17/05	19:30:39	22.70	55.026	7.09	61	55.33	27.915	8.01	-91.9	48.8	2.9	5.9
01/17/05	20:00:39	22.69	55.091	7.09	60	55.23	27.841	8.00	-91.6	23.2	2.9	5.9
01/17/05	20:30:40	22.69	55.042	7.16	61	55.20	27.819	8.01	-91.9	50.5	2.8	1384.8
01/17/05	21:00:39	22.68	55.087	7.00	60	55.24	27.848	8.00	-91.5	12.2	2.9	1384.8
01/17/05	21:30:39	22.67	55.011	6.99	60	55.46	28.001	8.00	-91.5	11.3	2.8	6.1
01/17/05	22:00:39	22.66	55.040	6.93	60	55.33	27.910	8.00	-91.4	6.0	2.8	6.0
01/17/05	22:30:39	22.64	55.009	6.92	60	55.51	28.035	8.00	-91.6	5.9	2.9	1384.5
01/17/05	23:00:40	22.63	55.028	6.90	60	55.31	27.896	8.00	-91.6	3.5	2.9	1384.5
01/17/05	23:30:39	22.62	55.030	6.86	60	55.15	27.784	8.00	-91.6	2.0	3.0	6.0
01/18/05	00:00:39	22.61	55.018	6.83	60	55.53	28.050	8.00	-91.6	1.1	2.9	6.1
01/18/05	00:30:39	22.62	55.010	6.77	60	55.27	27.870	8.00	-91.6	1.1	3.0	1384.4
01/18/05	01:00:39	22.60	55.030	6.79	60	55.35	27.924	8.00	-91.7	1.0	2.8	6.1
01/18/05	01:30:40	22.59	55.016	6.79	60	55.27	27.868	8.01	-91.8	1.0	2.9	1384.3
01/18/05	02:00:39	22.58	55.018	6.76	60	55.08	27.738	8.00	-91.7	1.1	2.8	1384.3
01/18/05	02:30:39	22.59	55.014	6.73	60	55.20	27.822	8.00	-91.6	1.0	2.9	6.1
01/18/05	03:00:39	22.56	55.030	6.73	60	55.26	27.865	8.00	-91.7	1.1	2.9	1384.2
01/18/05	03:30:39	22.55	55.012	6.75	60	55.24	27.847	8.00	-91.6	1.1	2.8	6.1
01/18/05	04:00:40	22.55	55.024	6.72	60	55.16	27.793	8.00	-91.6	1.1	2.9	5.9
01/18/05	04:30:39	22.56	55.134	6.64	60	55.16	27.790	8.00	-91.5	1.1	2.9	6.0
01/18/05	05:00:39	22.55	55.277	6.68	60	55.11	27.757	8.01	-91.8	1.0	2.9	1384.1
01/18/05	05:30:39	22.56	55.020	6.61	60	55.06	27.725	8.00	-91.4	1.1	2.9	1384.2
01/18/05	06:00:39	22.56	55.278	6.66	60	54.94	27.638	8.00	-91.7	1.1	2.8	6.1
01/18/05	06:30:39	22.56	55.116	6.65	60	55.02	27.697	8.00	-91.6	1.0	2.9	5.9
01/18/05	07:00:39	22.56	55.086	6.62	60	54.91	27.621	8.00	-91.7	1.2	2.9	5.9
01/18/05	07:30:39	22.56	55.047	6.66	60	54.89	27.608	8.00	-91.7	1.1	3.0	5.9
01/18/05	08:00:39	22.56	55.130	6.68	61	54.83	27.567	8.01	-91.9	1.1	2.8	5.9
01/18/05	08:30:39	22.55	55.066	6.67	60	54.90	27.614	8.00	-91.7	1.0	3.0	5.9
01/18/05	09:00:39	22.53	55.219	6.63	60	54.86	27.587	8.00	-91.6	1.1	2.9	6.1
01/18/05	09:30:39	22.51	54.995	6.66	60	54.78	27.534	8.00	-91.8	1.1	2.9	1384.0
01/18/05	10:00:39	22.49	55.006	6.71	60	54.76	27.520	8.01	-92.0	1.0	2.9	1383.9
01/18/05	10:30:39	22.50	55.078	6.62	60	54.83	27.563	8.01	-91.9	1.1	2.9	5.9
01/18/05	11:00:39	22.49	54.991	6.65	60	54.88	27.602	8.01	-92.0	1.0	3.0	5.9
01/18/05	11:30:39	22.50	55.169	6.62	60	54.81	27.552	8.01	-91.8	1.1	2.9	6.1
01/18/05	12:00:39	22.50	54.997	6.64	60	55.04	27.712	8.01	-91.9	1.2	2.9	5.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/18/05	12:30:39	22.50	55.002	6.67	60	55.09	27.745	8.01	-91.9	1.2	2.9	5.9
01/18/05	13:00:39	22.51	55.027	6.64	60	55.05	27.718	8.00	-91.7	1.3	2.9	5.9
01/18/05	13:30:40	22.49	55.011	6.66	60	55.05	27.717	8.00	-91.6	2.3	2.8	5.8
01/18/05	14:00:39	22.49	55.224	6.65	60	55.15	27.781	8.01	-92.0	3.6	2.9	6.1
01/18/05	14:30:39	22.49	54.973	6.70	60	55.17	27.798	8.00	-91.7	9.8	2.8	1383.9
01/18/05	15:00:39	22.49	54.994	6.78	60	55.24	27.848	8.00	-91.7	15.6	2.9	6.1
01/18/05	15:30:39	22.49	55.004	6.81	60	55.41	27.967	8.00	-91.7	17.2	2.7	1383.9
01/18/05	16:00:40	22.49	54.950	6.88	60	55.49	28.023	8.01	-91.9	33.3	2.8	1383.9
01/18/05	16:30:39	22.50	54.940	6.92	60	55.36	27.932	8.01	-91.9	46.1	2.8	5.9
01/18/05	17:00:39	22.51	54.959	6.96	60	55.42	27.972	8.01	-92.0	53.0	2.8	6.0
01/18/05	17:30:39	22.52	54.957	7.05	60	55.46	27.998	8.01	-91.9	56.8	2.9	6.0
01/18/05	18:00:39	22.52	54.963	7.13	60	55.54	28.056	8.01	-92.1	63.8	2.8	6.2
01/18/05	18:30:40	22.53	54.961	7.16	60	55.53	28.046	8.01	-92.1	53.9	2.9	1384.0
01/18/05	19:00:39	22.54	54.969	7.13	60	55.59	28.093	8.01	-92.0	41.0	2.9	6.3
01/18/05	19:30:39	22.53	54.990	7.13	60	55.30	27.890	8.01	-91.9	32.7	2.8	5.9
01/18/05	20:00:39	22.54	54.973	7.21	60	55.42	27.972	8.01	-92.0	49.0	2.8	6.0
01/18/05	20:30:39	22.54	54.971	7.21	61	55.43	27.980	8.01	-91.9	41.2	2.9	6.0
01/18/05	21:00:40	22.54	55.001	7.22	60	55.46	28.000	8.01	-91.9	39.6	3.0	5.9
01/18/05	21:30:39	22.54	54.982	7.21	60	55.50	28.024	8.00	-91.6	30.9	2.8	6.4
01/18/05	22:00:39	22.54	54.985	7.19	60	55.35	27.925	8.00	-91.4	23.8	3.0	5.9
01/18/05	22:30:39	22.54	54.980	7.05	60	55.19	27.815	8.00	-91.4	9.8	2.8	1384.0
01/18/05	23:00:39	22.52	54.948	6.99	60	55.31	27.899	8.00	-91.5	5.0	2.9	6.0
01/18/05	23:30:40	22.53	55.184	6.89	60	55.25	27.851	8.00	-91.3	2.2	2.9	1384.0
01/19/05	00:00:39	22.51	55.057	6.86	60	55.35	27.923	8.00	-91.4	1.1	2.8	1383.9
01/19/05	00:30:39	22.50	54.971	6.83	60	55.49	28.023	8.00	-91.5	1.1	2.8	6.1
01/19/05	01:00:39	22.49	54.939	6.80	59	55.33	27.912	8.00	-91.6	1.0	2.9	1383.9
01/19/05	01:30:39	22.48	55.179	6.83	60	55.27	27.868	8.00	-91.6	1.0	3.0	6.1
01/19/05	02:00:39	22.48	55.216	6.75	60	55.12	27.761	8.00	-91.4	1.1	2.9	1383.8
01/19/05	02:30:39	22.48	55.003	6.73	60	55.21	27.829	8.00	-91.4	1.1	2.8	1383.8
01/19/05	03:00:39	22.47	54.958	6.69	60	55.24	27.847	7.99	-91.1	1.0	3.0	1383.8
01/19/05	03:30:39	22.47	55.172	6.75	60	55.08	27.738	8.00	-91.5	1.1	2.8	6.2
01/19/05	04:00:39	22.45	55.045	6.69	60	55.08	27.738	8.00	-91.7	1.1	2.9	1383.7
01/19/05	04:30:39	22.45	54.962	6.70	60	55.04	27.714	8.00	-91.5	1.0	2.8	5.9
01/19/05	05:00:39	22.45	54.937	6.69	60	54.89	27.609	8.00	-91.5	1.1	3.0	1383.7
01/19/05	05:30:39	22.44	54.957	6.70	60	54.92	27.629	8.00	-91.6	1.0	3.0	1383.7
01/19/05	06:00:39	22.45	55.127	6.64	60	55.00	27.679	8.00	-91.4	1.0	2.8	6.1
01/19/05	06:30:39	22.45	55.223	6.60	60	54.92	27.623	8.00	-91.2	1.1	2.9	5.9
01/19/05	07:00:39	22.45	54.950	6.67	60	54.85	27.583	8.00	-91.4	1.2	2.9	1383.7
01/19/05	07:30:39	22.46	54.965	6.64	60	54.69	27.471	8.00	-91.4	1.1	2.9	1383.7
01/19/05	08:00:39	22.46	54.962	6.61	60	54.70	27.480	8.00	-91.4	1.1	2.9	6.1
01/19/05	08:30:39	22.46	55.024	6.59	60	54.66	27.448	8.00	-91.5	1.0	2.9	5.9
01/19/05	09:00:40	22.46	55.150	6.62	60	54.69	27.466	8.00	-91.6	1.1	2.8	5.9
01/19/05	09:30:39	22.45	55.160	6.64	60	54.64	27.436	8.00	-91.6	1.0	2.9	1383.7
01/19/05	10:00:39	22.45	55.163	6.62	60	54.68	27.458	8.00	-91.6	1.1	2.9	1383.7
01/19/05	10:30:39	22.44	55.094	6.55	60	54.66	27.450	8.00	-91.4	1.1	3.1	6.2
01/19/05	11:00:39	22.43	55.092	6.60	60	54.67	27.452	8.00	-91.5	1.0	2.8	1383.6
01/19/05	11:30:40	22.42	55.040	6.62	60	54.83	27.567	8.01	-91.8	1.0	2.8	5.9
01/19/05	12:00:39	22.41	54.916	6.67	60	54.71	27.485	8.01	-91.8	1.2	3.0	1383.6
01/19/05	12:30:39	22.39	54.875	6.62	60	54.71	27.485	8.00	-91.5	1.1	3.0	6.0
01/19/05	13:00:39	22.37	54.863	6.67	60	54.90	27.615	8.00	-91.7	1.2	2.9	1383.3
01/19/05	13:30:39	22.34	54.848	6.69	60	54.92	27.628	8.01	-91.7	3.1	2.9	6.1
01/19/05	14:00:40	22.32	54.825	6.73	60	55.03	27.706	8.00	-91.7	5.8	3.0	1383.1
01/19/05	14:30:39	22.32	54.855	6.77	60	54.99	27.677	8.01	-91.8	8.1	2.9	1383.1
01/19/05	15:00:39	22.31	54.865	6.81	60	55.10	27.753	8.01	-91.9	9.6	2.9	5.9
01/19/05	15:30:39	22.31	54.825	6.86	60	55.15	27.787	8.01	-91.8	17.1	2.8	6.0
01/19/05	16:00:39	22.30	54.814	6.97	60	55.25	27.854	8.01	-92.2	27.8	2.9	1383.1
01/19/05	16:30:40	22.30	54.857	7.03	60	55.36	27.933	8.01	-92.0	31.9	2.8	6.1
01/19/05	17:00:39	22.29	54.830	7.06	60	55.38	27.944	8.01	-92.0	29.7	2.8	6.1
01/19/05	17:30:39	22.29	54.797	7.12	60	55.41	27.965	8.01	-92.3	37.0	2.9	1383.0
01/19/05	18:00:39	22.30	54.832	7.20	60	55.53	28.045	8.02	-92.5	50.2	2.9	1383.0
01/19/05	18:30:39	22.30	54.826	7.22	60	55.46	28.001	8.02	-92.5	51.0	2.9	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/19/05	19:00:40	22.30	54.813	7.28	60	55.42	27.971	8.02	-92.4	47.2	3.0	1383.0
01/19/05	19:30:39	22.30	54.796	7.23	60	55.47	28.011	8.01	-92.3	47.5	2.9	6.0
01/19/05	20:00:39	22.31	54.816	7.26	60	55.52	28.042	8.01	-92.2	34.3	2.9	1383.1
01/19/05	20:30:39	22.31	54.801	7.19	60	55.50	28.031	8.01	-92.0	26.2	2.9	1383.1
01/19/05	21:00:39	22.32	54.807	7.14	60	55.49	28.024	8.01	-91.9	18.6	2.9	1383.1
01/19/05	21:30:39	22.32	54.778	7.11	60	55.49	28.021	8.01	-91.9	18.0	2.8	6.2
01/19/05	22:00:39	22.32	54.805	7.03	59	55.47	28.005	8.00	-91.7	10.1	3.0	1383.1
01/19/05	22:30:39	22.32	54.807	6.99	59	55.58	28.087	8.00	-91.7	6.1	2.9	5.9
01/19/05	23:00:39	22.32	54.819	6.92	60	55.43	27.982	8.00	-91.6	2.9	2.9	1383.1
01/19/05	23:30:39	22.34	54.850	6.88	60	55.43	27.980	8.00	-91.6	1.9	2.8	5.8
01/20/05	00:00:39	22.34	54.849	6.77	60	55.46	27.997	8.00	-91.4	1.1	2.9	1383.3
01/20/05	00:30:39	22.35	55.092	6.75	60	55.40	27.955	8.00	-91.6	1.1	3.0	6.0
01/20/05	01:00:39	22.35	54.911	6.73	59	55.41	27.963	8.00	-91.6	1.0	2.9	1383.3
01/20/05	01:30:39	22.35	54.828	6.72	60	55.27	27.867	8.00	-91.6	1.0	2.9	6.0
01/20/05	02:00:39	22.35	54.828	6.71	60	55.30	27.889	8.00	-91.7	1.1	2.9	1383.3
01/20/05	02:30:39	22.35	54.856	6.64	59	55.21	27.830	8.00	-91.6	1.0	2.9	1383.3
01/20/05	03:00:39	22.35	54.856	6.67	60	55.17	27.802	8.01	-91.9	1.0	2.9	5.9
01/20/05	03:30:39	22.34	54.833	6.58	60	55.26	27.863	8.00	-91.7	1.0	2.9	1383.2
01/20/05	04:00:39	22.34	54.916	6.62	60	55.21	27.831	8.01	-91.8	1.2	2.9	6.3
01/20/05	04:30:40	22.35	54.844	6.63	60	55.09	27.744	8.00	-91.6	1.1	2.9	1383.3
01/20/05	05:00:39	22.35	55.130	6.55	60	54.95	27.644	8.00	-91.5	1.1	2.9	6.1
01/20/05	05:30:39	22.36	54.864	6.64	59	55.05	27.716	8.01	-92.0	1.1	2.8	1383.3
01/20/05	06:00:39	22.37	54.851	6.70	60	55.04	27.714	8.01	-92.0	1.2	2.9	1383.3
01/20/05	06:30:39	22.36	54.843	6.63	59	54.86	27.586	8.01	-92.0	1.1	2.9	1383.3
01/20/05	07:00:40	22.36	55.094	6.67	60	54.80	27.545	8.00	-91.6	1.1	3.0	5.9
01/20/05	07:30:39	22.36	54.872	6.66	60	54.79	27.543	8.00	-91.6	1.0	2.9	1383.3
01/20/05	08:00:39	22.35	54.997	6.60	60	54.68	27.466	8.00	-91.6	1.1	2.9	1383.3
01/20/05	08:30:39	22.35	54.862	6.65	60	54.60	27.413	8.00	-91.7	1.1	2.9	6.0
01/20/05	09:00:39	22.35	55.078	6.60	60	54.53	27.356	8.00	-91.6	1.0	2.8	5.7
01/20/05	09:30:40	22.35	54.836	6.62	59	54.53	27.362	8.00	-91.4	1.1	2.9	1383.3
01/20/05	10:00:39	22.35	54.971	6.51	59	54.55	27.376	7.99	-91.1	1.2	2.9	6.0
01/20/05	10:30:39	22.33	54.841	6.57	60	54.53	27.362	8.00	-91.5	1.0	2.9	5.9
01/20/05	11:00:39	22.33	54.830	6.56	60	54.51	27.348	8.00	-91.4	1.2	2.9	1383.1
01/20/05	11:30:39	22.33	54.842	6.60	60	54.51	27.350	8.00	-91.7	1.0	2.9	1383.1
01/20/05	12:00:40	22.33	54.936	6.50	60	54.54	27.368	8.00	-91.3	1.1	3.0	1383.2
01/20/05	12:30:39	22.30	54.956	6.60	60	54.55	27.373	8.00	-91.6	1.0	2.9	5.9
01/20/05	13:00:39	22.28	54.825	6.66	59	54.63	27.432	8.01	-91.9	1.2	2.9	1382.9
01/20/05	13:30:39	22.27	54.808	6.66	60	54.68	27.466	8.01	-92.1	3.6	3.0	5.8
01/20/05	14:00:39	22.27	54.787	6.67	60	54.75	27.514	8.00	-91.6	5.6	2.8	1382.9
01/20/05	14:30:40	22.27	54.826	6.75	60	54.78	27.535	8.00	-91.7	16.1	3.0	10.8
01/20/05	15:00:39	22.27	54.838	6.87	60	54.85	27.580	8.01	-92.0	29.6	2.8	1382.9
01/20/05	15:30:39	22.25	54.791	6.92	60	54.92	27.632	8.01	-92.0	22.2	2.9	1382.8
01/20/05	16:00:39	22.26	54.913	6.96	60	55.03	27.702	8.01	-92.2	23.9	3.0	40.8
01/20/05	16:30:39	22.26	54.811	7.01	60	55.05	27.718	8.01	-92.2	43.9	2.9	7.0
01/20/05	17:00:39	22.27	54.791	7.00	60	55.22	27.834	8.01	-92.2	26.2	2.8	1382.9
01/20/05	17:30:39	22.27	54.819	7.15	60	55.24	27.847	8.02	-92.3	54.5	2.8	1382.9
01/20/05	18:00:39	22.26	54.899	7.18	60	55.33	27.913	8.02	-92.3	57.2	2.9	500.6
01/20/05	18:30:39	22.28	54.776	7.20	60	55.28	27.880	8.02	-92.5	58.5	2.9	1382.9
01/20/05	19:00:39	22.29	54.828	7.15	60	55.34	27.918	8.01	-92.3	53.4	2.8	6.2
01/20/05	19:30:39	22.30	54.828	7.23	60	55.38	27.947	8.02	-92.6	50.7	2.9	1383.0
01/20/05	20:00:39	22.30	54.826	7.23	60	55.40	27.959	8.02	-92.5	54.0	2.8	6.3
01/20/05	20:30:39	22.30	54.825	7.25	60	55.36	27.931	8.02	-92.5	44.7	2.9	6.4
01/20/05	21:00:39	22.30	54.821	7.25	60	55.35	27.923	8.01	-92.2	34.5	2.8	1383.0
01/20/05	21:30:39	22.30	54.803	7.24	60	55.33	27.911	8.01	-92.1	29.3	2.9	5.7
01/20/05	22:00:39	22.31	54.945	7.22	60	55.44	27.982	8.01	-91.9	21.3	3.0	6.1
01/20/05	22:30:39	22.31	54.902	7.15	60	55.35	27.923	8.01	-91.8	13.1	2.8	6.0
01/20/05	23:00:39	22.32	54.792	7.05	60	55.42	27.977	8.00	-91.6	6.1	2.9	6.0
01/20/05	23:30:39	22.48	54.868	6.90	60	55.35	27.926	8.00	-91.7	2.6	2.8	6.1
01/21/05	00:00:40	22.50	54.874	6.92	60	55.35	27.923	8.00	-91.8	1.3	2.9	6.0
01/21/05	00:30:39	22.50	54.853	6.83	60	55.33	27.914	8.00	-91.7	1.1	2.9	1383.9
01/21/05	01:00:39	22.50	54.877	6.77	60	55.32	27.903	8.00	-91.6	1.1	3.0	1383.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/21/05	01:30:39	22.50	54.880	6.83	60	55.41	27.964	8.01	-91.8	1.1	2.8	6.0
01/21/05	02:00:39	22.50	54.912	6.79	60	55.25	27.860	8.00	-91.7	1.1	2.9	5.9
01/21/05	02:30:40	22.50	54.924	6.85	60	55.28	27.876	8.01	-91.8	1.1	3.0	6.0
01/21/05	03:00:39	22.51	55.006	6.79	60	55.27	27.867	8.00	-91.7	1.1	2.8	1383.9
01/21/05	03:30:39	22.51	54.881	6.76	60	55.26	27.867	8.00	-91.7	1.1	3.0	1383.9
01/21/05	04:00:39	22.51	54.882	6.71	60	55.20	27.823	8.00	-91.6	1.1	2.8	6.0
01/21/05	04:30:39	22.51	54.881	6.74	60	55.19	27.814	8.00	-91.6	1.1	2.9	6.0
01/21/05	05:00:40	22.52	54.916	6.74	60	55.05	27.716	8.00	-91.7	1.0	3.0	6.0
01/21/05	05:30:39	22.52	54.875	6.73	60	55.05	27.721	8.00	-91.6	1.2	3.1	1384.0
01/21/05	06:00:39	22.53	54.893	6.71	60	55.11	27.758	8.00	-91.7	1.2	2.9	8.6
01/21/05	06:30:39	22.53	54.980	6.69	61	54.97	27.663	8.00	-91.7	1.1	2.9	5.9
01/21/05	07:00:39	22.53	54.877	6.72	60	54.98	27.669	8.00	-91.7	1.1	2.9	1384.0
01/21/05	07:30:40	22.52	54.918	6.71	60	54.90	27.617	8.00	-91.7	1.1	2.9	8.6
01/21/05	08:00:39	22.51	54.876	6.79	60	54.80	27.550	8.01	-92.0	1.1	3.0	5.8
01/21/05	08:30:39	22.51	54.872	6.75	60	54.77	27.529	8.01	-91.9	1.2	3.0	1384.0
01/21/05	09:00:39	22.50	55.082	6.67	60	54.73	27.494	8.00	-91.7	1.1	2.9	1384.0
01/21/05	09:30:39	22.49	55.115	6.68	60	54.65	27.439	8.00	-91.6	1.1	3.0	6.0
01/21/05	10:00:40	22.49	54.890	6.67	59	54.66	27.455	8.01	-91.9	1.1	2.8	1383.9
01/21/05	10:30:39	22.48	54.898	6.68	59	54.57	27.388	8.00	-91.6	1.0	2.9	1383.9
01/21/05	11:00:39	22.47	55.119	6.71	60	54.60	27.408	8.01	-91.8	1.0	2.9	5.9
01/21/05	11:30:39	22.47	55.096	6.72	60	54.55	27.371	8.01	-91.8	1.2	2.9	5.9
01/21/05	12:00:39	22.47	55.154	6.67	60	54.60	27.407	8.00	-91.7	1.1	2.9	6.3
01/21/05	12:30:39	22.47	55.075	6.66	60	54.57	27.389	8.00	-91.7	1.1	2.8	5.9
01/21/05	13:00:39	22.47	54.966	6.60	60	54.65	27.444	8.00	-91.2	1.1	2.9	5.9
01/21/05	13:30:39	22.47	54.960	6.52	60	54.70	27.478	8.00	-91.4	1.5	2.9	1383.7
01/21/05	14:00:39	22.47	55.032	6.56	60	54.69	27.471	7.99	-91.0	2.3	3.0	1383.8
01/21/05	14:30:39	22.41	54.899	6.63	60	54.83	27.566	8.00	-91.2	8.8	2.9	5.9
01/21/05	15:00:39	22.40	54.885	6.61	60	54.85	27.580	8.00	-91.3	12.7	3.0	6.0
01/21/05	15:30:39	22.28	54.810	6.71	60	54.84	27.578	8.00	-91.5	12.9	2.9	6.0
01/21/05	16:00:39	22.27	54.788	6.75	60	54.97	27.666	8.00	-91.4	18.8	2.9	6.1
01/21/05	16:30:39	22.30	55.047	6.80	60	55.07	27.731	8.00	-91.5	8.6	2.8	6.1
01/21/05	17:00:39	22.32	54.813	6.96	60	55.12	27.767	8.02	-92.3	42.6	2.9	1383.1
01/21/05	17:30:39	22.33	54.858	7.00	60	55.16	27.794	8.01	-92.0	23.1	2.9	1383.2
01/21/05	18:00:39	22.35	54.794	7.10	60	55.22	27.835	8.02	-92.5	53.0	2.8	1383.3
01/21/05	18:30:39	22.33	54.789	7.16	60	55.28	27.876	8.02	-92.5	50.9	2.9	6.0
01/21/05	19:00:39	22.33	54.753	7.14	60	55.33	27.914	8.01	-92.1	22.4	3.0	6.0
01/21/05	19:30:40	22.33	54.835	7.18	60	55.41	27.965	8.01	-92.2	32.7	3.0	6.0
01/21/05	20:00:39	22.35	54.831	7.19	60	55.38	27.946	8.01	-92.3	35.1	2.9	1383.3
01/21/05	20:30:39	22.36	54.835	7.06	60	55.45	27.991	8.01	-91.7	14.8	2.9	1383.3
01/21/05	21:00:39	22.37	54.832	7.10	60	55.48	28.013	8.01	-92.2	27.2	2.8	5.9
01/21/05	21:30:39	22.37	55.083	7.12	60	55.45	27.993	8.01	-92.0	20.0	2.9	5.9
01/21/05	22:00:40	22.38	54.765	7.06	60	55.50	28.026	8.01	-91.9	17.4	3.0	6.1
01/21/05	22:30:39	22.38	54.985	6.98	60	55.48	28.015	8.01	-91.8	8.4	3.0	6.0
01/21/05	23:00:39	22.40	55.013	6.92	60	55.48	28.015	8.00	-91.6	8.0	2.9	5.9
01/21/05	23:30:39	22.41	55.011	6.83	59	55.48	28.013	8.00	-91.4	4.3	2.8	5.9
01/22/05	00:00:39	22.43	55.072	6.76	60	55.51	28.035	8.00	-91.4	1.1	2.9	5.9
01/22/05	00:30:40	22.44	54.821	6.70	60	55.46	28.000	8.00	-91.5	1.1	3.0	1383.6
01/22/05	01:00:39	22.44	54.834	6.72	60	55.42	27.976	8.00	-91.7	1.1	2.8	1383.7
01/22/05	01:30:39	22.44	54.813	6.74	60	55.40	27.963	8.01	-91.8	1.1	2.8	6.0
01/22/05	02:00:39	22.43	55.058	6.69	60	55.38	27.946	8.00	-91.7	1.0	3.0	5.9
01/22/05	02:30:39	22.43	54.878	6.60	60	55.32	27.905	8.00	-91.6	1.0	2.9	5.9
01/22/05	03:00:40	22.45	54.836	6.65	60	55.30	27.893	8.01	-92.0	1.1	2.9	6.0
01/22/05	03:30:39	22.46	54.852	6.65	60	55.25	27.857	8.00	-91.7	1.2	2.9	1383.7
01/22/05	04:00:39	22.45	54.832	6.58	60	55.27	27.871	8.00	-91.7	1.2	2.9	8.8
01/22/05	04:30:39	22.44	54.856	6.58	60	55.20	27.826	8.00	-91.7	1.0	2.9	5.9
01/22/05	05:00:39	22.44	54.914	6.58	60	55.13	27.774	8.01	-91.9	1.0	2.8	5.9
01/22/05	05:30:40	22.47	54.853	6.60	60	55.09	27.746	8.01	-92.0	1.2	2.9	5.9
01/22/05	06:00:39	22.48	54.863	6.70	60	55.04	27.714	8.01	-92.2	1.1	3.0	6.0
01/22/05	06:30:39	22.48	54.854	6.70	60	55.03	27.709	8.01	-92.1	1.0	2.9	5.9
01/22/05	07:00:39	22.48	54.856	6.67	60	54.94	27.647	8.01	-92.0	1.0	2.9	5.9
01/22/05	07:30:39	22.48	54.844	6.61	60	54.87	27.596	8.01	-91.9	1.1	2.8	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/22/05	08:00:39	22.48	54.869	6.64	60	54.84	27.573	8.01	-92.0	1.1	2.9	5.8
01/22/05	08:30:39	22.47	54.897	6.55	60	54.77	27.525	8.00	-91.6	1.1	2.9	5.9
01/22/05	09:00:39	22.46	55.057	6.57	60	54.67	27.456	8.01	-91.9	1.1	3.0	5.9
01/22/05	09:30:39	22.44	54.847	6.49	59	54.67	27.456	8.00	-91.7	1.1	3.0	5.9
01/22/05	10:00:39	22.39	54.803	6.63	60	54.56	27.386	8.01	-91.9	1.0	2.9	5.8
01/22/05	10:30:39	22.42	54.815	6.59	60	54.58	27.398	8.00	-91.5	1.1	2.9	5.9
01/22/05	11:00:39	22.41	54.912	6.54	60	54.50	27.339	8.00	-91.7	1.1	2.9	5.9
01/22/05	11:30:39	22.33	55.062	6.51	60	54.48	27.321	8.00	-91.6	1.1	2.9	5.8
01/22/05	12:00:39	22.37	55.008	6.52	60	54.47	27.315	8.01	-91.8	1.2	2.8	5.9
01/22/05	12:30:39	22.39	54.934	6.55	60	54.52	27.355	8.00	-91.7	1.1	2.9	5.9
01/22/05	13:00:39	22.26	54.743	6.41	59	54.47	27.320	8.00	-91.2	1.2	2.9	5.9
01/22/05	13:30:39	22.23	54.812	6.52	59	54.55	27.377	8.01	-91.7	3.1	2.9	5.9
01/22/05	14:00:39	22.28	54.818	6.57	59	54.54	27.367	8.01	-91.8	7.4	2.9	6.0
01/22/05	14:30:39	22.31	54.803	6.68	59	54.63	27.434	8.01	-92.1	12.5	2.9	6.0
01/22/05	15:00:40	22.35	54.820	6.79	60	54.62	27.424	8.01	-92.2	19.6	2.9	6.1
01/22/05	15:30:39	22.36	54.835	6.90	60	54.74	27.509	8.02	-92.5	28.8	2.9	5.9
01/22/05	16:00:39	22.38	54.802	6.93	60	54.81	27.557	8.02	-92.7	34.6	2.9	6.1
01/22/05	16:30:39	22.37	54.810	7.03	60	54.90	27.614	8.02	-92.6	42.5	2.9	6.0
01/22/05	17:00:39	22.33	54.774	7.04	60	54.99	27.678	8.02	-92.7	51.0	2.9	6.1
01/22/05	17:30:40	22.29	54.888	7.05	60	55.07	27.732	8.02	-92.3	43.2	2.9	5.9
01/22/05	18:00:39	22.25	54.931	7.09	60	55.09	27.744	8.01	-92.2	30.4	2.9	6.0
01/22/05	18:30:39	22.20	54.705	7.07	60	55.19	27.817	8.01	-92.1	36.3	3.0	5.9
01/22/05	19:00:39	22.16	54.722	7.13	60	55.24	27.852	8.02	-92.4	34.7	2.9	6.1
01/22/05	19:30:39	22.16	54.748	7.12	60	55.26	27.864	8.01	-92.0	32.0	2.9	5.9
01/22/05	20:00:40	22.15	54.786	7.07	59	55.39	27.955	8.01	-92.0	25.3	3.0	6.1
01/22/05	20:30:39	22.16	54.701	7.06	60	55.41	27.965	8.01	-92.0	22.5	2.8	6.0
01/22/05	21:00:39	22.17	54.708	7.04	59	55.42	27.977	8.01	-91.9	20.8	2.8	6.0
01/22/05	21:30:39	22.19	54.755	6.98	60	55.43	27.983	8.01	-91.8	16.6	2.8	6.0
01/22/05	22:00:39	22.24	54.968	6.90	59	55.46	27.998	8.01	-91.7	11.7	2.9	6.1
01/22/05	22:30:40	22.30	54.950	6.87	59	55.51	28.031	8.00	-91.7	10.7	2.9	6.0
01/22/05	23:00:39	22.40	54.787	6.80	59	55.52	28.042	8.01	-91.7	5.6	2.9	6.1
01/22/05	23:30:39	22.43	54.818	6.72	59	55.51	28.034	8.00	-91.7	2.8	2.9	6.1
01/23/05	00:00:39	22.46	55.044	6.58	60	55.53	28.043	8.00	-91.7	1.2	3.0	5.9
01/23/05	00:30:39	22.49	54.834	6.56	60	55.52	28.042	8.01	-91.8	1.2	3.0	5.9
01/23/05	01:00:40	22.53	54.846	6.66	60	55.48	28.017	8.01	-91.9	1.1	2.8	6.0
01/23/05	01:30:39	22.57	55.048	6.61	60	55.49	28.019	8.01	-91.9	1.2	2.9	6.0
01/23/05	02:00:39	22.63	54.865	6.68	60	55.43	27.985	8.01	-92.3	1.1	2.9	5.9
01/23/05	02:30:39	22.64	54.877	6.72	60	55.48	28.015	8.02	-92.4	1.0	2.8	6.0
01/23/05	03:00:39	22.64	54.834	6.78	60	55.44	27.988	8.02	-92.7	1.1	2.8	5.9
01/23/05	03:30:39	22.61	54.879	6.83	60	55.42	27.978	8.02	-92.6	1.1	2.8	5.9
01/23/05	04:00:39	22.61	54.896	6.69	60	55.39	27.955	8.02	-92.5	1.1	3.0	5.9
01/23/05	04:30:39	22.59	54.945	6.74	60	55.33	27.911	8.02	-92.5	1.1	2.9	6.1
01/23/05	05:00:39	22.57	54.855	6.76	60	55.26	27.864	8.02	-92.5	1.0	2.9	5.9
01/23/05	05:30:39	22.57	54.873	6.73	60	55.27	27.875	8.02	-92.6	1.1	2.9	5.9
01/23/05	06:00:39	22.54	54.938	6.75	60	55.30	27.894	8.02	-92.5	1.1	2.8	5.9
01/23/05	06:30:39	22.54	54.877	6.74	59	55.08	27.740	8.02	-92.5	1.1	2.9	5.9
01/23/05	07:00:39	22.51	54.879	6.70	60	55.42	27.976	8.02	-92.5	1.0	2.9	6.1
01/23/05	07:30:39	22.50	54.879	6.69	60	55.04	27.712	8.02	-92.6	1.1	2.9	6.1
01/23/05	08:00:39	22.48	54.880	6.76	60	55.08	27.738	8.02	-92.5	1.1	3.0	6.1
01/23/05	08:30:39	22.48	54.893	6.69	60	54.59	27.401	8.02	-92.4	1.0	2.8	1383.8
01/23/05	09:00:39	22.43	54.907	6.76	60	54.54	27.372	8.02	-92.5	1.1	2.9	1383.6
01/23/05	09:30:39	22.43	55.019	6.72	60	55.33	27.908	8.02	-92.6	1.1	2.8	1383.6
01/23/05	10:00:39	22.41	55.126	6.68	60	54.88	27.596	8.02	-92.5	1.1	2.9	1383.6
01/23/05	10:30:39	22.40	54.907	6.70	59	54.55	27.374	8.02	-92.4	1.0	3.0	6.2
01/23/05	11:00:39	22.38	54.963	6.67	60	54.98	27.668	8.02	-92.5	1.0	2.8	6.1
01/23/05	11:30:39	22.37	54.851	6.69	59	54.60	27.408	8.02	-92.5	1.0	2.8	6.0
01/23/05	12:00:39	22.36	54.852	6.68	60	54.67	27.459	8.02	-92.5	1.1	2.8	5.9
01/23/05	12:30:39	22.34	55.118	6.69	60	55.04	27.708	8.02	-92.5	1.2	2.9	1383.3
01/23/05	13:00:39	22.33	54.970	6.66	60	54.25	27.166	8.02	-92.5	1.2	2.9	1383.2
01/23/05	13:30:39	22.30	54.748	6.67	60	54.76	27.522	8.02	-92.5	3.5	2.9	1383.1
01/23/05	14:00:39	22.29	54.719	6.70	60	54.63	27.430	8.02	-92.5	5.9	3.0	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/23/05	14:30:39	22.28	54.703	6.63	59	53.87	26.908	8.02	-92.5	8.5	2.9	6.3
01/23/05	15:00:39	22.26	54.708	6.68	60	54.78	27.533	8.02	-92.5	13.0	2.9	6.1
01/23/05	15:30:39	22.25	54.659	6.79	59	55.25	27.861	8.02	-92.5	14.9	2.9	6.2
01/23/05	16:00:39	22.24	54.698	6.78	59	54.99	27.677	8.02	-92.3	19.4	2.9	6.1
01/23/05	16:30:39	22.22	54.684	6.77	60	54.68	27.465	8.02	-92.5	45.7	2.8	6.1
01/23/05	17:00:39	22.19	54.986	6.83	60	54.61	27.411	8.02	-92.4	15.8	3.0	6.0
01/23/05	17:30:39	22.18	54.681	6.88	60	54.83	27.567	8.02	-92.7	63.8	2.9	6.0
01/23/05	18:00:40	22.16	54.685	6.91	59	55.21	27.833	8.02	-92.6	20.5	3.0	6.0
01/23/05	18:30:39	22.17	54.668	6.88	60	54.79	27.539	8.02	-92.5	19.7	3.0	6.1
01/23/05	19:00:39	22.17	54.677	6.96	60	55.59	28.094	8.02	-92.3	18.4	2.8	6.0
01/23/05	19:30:39	22.16	54.973	6.92	60	54.85	27.580	8.02	-92.3	23.3	2.9	6.1
01/23/05	20:00:39	22.14	54.671	6.94	60	55.18	27.807	8.02	-92.5	34.0	2.9	5.9
01/23/05	20:30:40	22.15	54.691	6.86	60	55.09	27.750	8.01	-92.2	11.8	3.0	5.9
01/23/05	21:00:39	22.15	54.651	6.87	60	54.95	27.652	8.01	-92.2	11.6	2.9	6.1
01/23/05	21:30:39	22.14	54.671	6.89	59	55.29	27.888	8.01	-92.2	11.0	2.9	6.4
01/23/05	22:00:39	22.13	54.663	6.86	60	55.44	27.988	8.01	-92.2	14.0	2.9	6.1
01/23/05	22:30:39	22.11	54.643	6.86	59	55.60	28.098	8.01	-92.2	8.5	2.9	1382.2
01/23/05	23:00:40	22.12	54.681	6.80	59	55.43	27.978	8.01	-92.1	3.2	3.0	1382.2
01/23/05	23:30:39	22.10	54.653	6.76	59	55.42	27.976	8.01	-92.2	2.9	2.9	1382.2
01/24/05	00:00:39	22.09	54.718	6.74	59	55.26	27.860	8.01	-92.2	1.1	2.9	6.2
01/24/05	00:30:39	22.07	54.883	6.74	59	55.67	28.139	8.01	-92.2	1.1	2.8	6.2
01/24/05	01:00:39	22.05	54.948	6.72	59	55.51	28.032	8.02	-92.3	1.2	3.0	6.1
01/24/05	01:30:40	22.02	54.756	6.67	59	55.61	28.104	8.01	-92.2	1.1	3.0	6.1
01/24/05	02:00:39	21.99	54.706	6.74	59	55.48	28.014	8.02	-92.4	1.2	2.8	6.2
01/24/05	02:30:39	21.99	54.692	6.74	60	55.50	28.025	8.02	-92.2	1.2	2.9	1381.7
01/24/05	03:00:39	21.99	54.950	6.69	59	55.50	28.022	8.02	-92.4	1.2	3.0	1381.7
01/24/05	03:30:39	21.98	54.702	6.66	59	55.20	27.822	8.02	-92.7	1.1	3.0	1381.7
01/24/05	04:00:40	21.98	54.694	6.63	59	55.50	28.030	8.02	-92.7	1.2	3.0	6.2
01/24/05	04:30:39	21.97	54.682	6.63	59	55.32	27.903	8.03	-92.8	1.1	2.8	6.0
01/24/05	05:00:39	21.93	54.685	6.69	59	55.21	27.828	8.03	-93.0	1.1	2.8	6.2
01/24/05	05:30:39	21.93	54.652	6.66	59	55.25	27.854	8.03	-92.8	1.1	2.9	1381.4
01/24/05	06:00:39	21.89	54.646	6.66	60	55.28	27.875	8.03	-92.8	1.1	2.9	1381.2
01/24/05	06:30:40	21.86	54.639	6.67	60	55.35	27.923	8.03	-92.8	1.0	2.9	6.1
01/24/05	07:00:39	21.85	54.662	6.69	60	55.32	27.901	8.03	-93.0	1.2	2.9	6.1
01/24/05	07:30:39	21.84	54.806	6.68	60	55.20	27.816	8.03	-92.9	1.1	2.8	6.1
01/24/05	08:00:39	21.82	54.628	6.68	59	55.11	27.762	8.03	-92.9	1.2	2.9	6.1
01/24/05	08:30:39	21.78	54.623	6.68	59	55.06	27.727	8.03	-92.8	1.2	3.1	6.1
01/24/05	09:00:40	21.75	54.636	6.66	59	54.96	27.653	8.03	-92.8	1.1	2.7	6.1
01/24/05	09:30:39	21.70	54.573	6.67	59	54.96	27.656	8.02	-92.7	1.1	2.8	6.1
01/24/05	10:00:39	21.69	54.790	6.64	59	54.71	27.485	8.03	-92.8	1.1	2.9	6.1
01/24/05	10:30:39	21.64	54.572	6.63	59	54.85	27.578	8.03	-92.8	1.1	2.8	1380.1
01/24/05	11:00:39	21.61	54.551	6.66	58	54.76	27.517	8.03	-92.8	1.2	2.9	1380.0
01/24/05	11:30:40	21.57	54.521	6.57	59	54.58	27.397	8.03	-92.9	1.1	3.0	1379.8
01/24/05	12:00:39	21.52	54.538	6.70	59	54.66	27.447	8.03	-92.9	1.1	2.9	1379.7
01/24/05	12:30:39	21.45	54.516	6.71	59	54.72	27.491	8.03	-92.8	1.0	3.0	6.4
01/24/05	13:00:39	21.46	54.673	6.72	59	54.56	27.381	8.03	-93.0	1.2	2.8	6.2
01/24/05	13:30:39	21.47	54.472	6.73	59	54.53	27.363	8.03	-92.8	2.5	2.9	6.2
01/24/05	14:00:40	21.47	54.480	6.75	58	54.51	27.347	8.03	-92.8	5.9	2.9	6.2
01/24/05	14:30:39	21.51	54.497	6.78	59	54.63	27.427	8.03	-92.9	12.2	2.9	6.2
01/24/05	15:00:39	21.53	54.654	6.82	59	54.61	27.412	8.03	-93.0	17.8	2.9	6.1
01/24/05	15:30:39	21.51	54.477	6.87	59	54.63	27.431	8.03	-92.9	25.9	3.0	6.1
01/24/05	16:00:39	21.53	54.506	6.79	59	54.77	27.526	8.03	-92.8	12.4	2.9	1379.7
01/24/05	16:30:39	21.52	54.460	6.89	59	54.80	27.548	8.03	-92.8	20.1	2.9	1379.7
01/24/05	17:00:39	21.54	54.470	6.89	60	54.84	27.572	8.03	-92.7	14.8	2.9	1379.7
01/24/05	17:30:39	21.56	54.489	6.95	59	54.97	27.665	8.03	-93.0	37.7	2.8	1379.8
01/24/05	18:00:39	21.61	54.492	7.05	59	55.07	27.732	8.04	-93.3	41.0	2.9	6.2
01/24/05	18:30:39	21.70	54.544	7.08	59	55.08	27.742	8.03	-93.2	36.3	2.9	1380.4
01/24/05	19:00:39	21.79	54.563	7.07	59	55.22	27.834	8.03	-93.1	26.6	2.9	1380.8
01/24/05	19:30:39	21.80	54.548	7.03	59	55.21	27.833	8.03	-93.0	28.4	2.9	1380.9
01/24/05	20:00:39	21.80	54.561	7.07	59	55.31	27.900	8.03	-93.1	31.0	2.9	6.1
01/24/05	20:30:39	21.80	54.572	7.00	59	55.37	27.936	8.02	-92.7	14.3	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/24/05	21:00:39	21.81	54.561	7.02	59	55.39	27.955	8.03	-92.8	23.2	2.9	1380.9
01/24/05	21:30:39	21.81	54.554	7.00	59	55.41	27.967	8.03	-92.8	19.5	2.9	1380.9
01/24/05	22:00:39	21.80	54.555	6.91	59	55.38	27.946	8.02	-92.3	7.9	2.9	9.0
01/24/05	22:30:39	21.79	54.458	6.90	59	55.49	28.021	8.02	-92.3	10.9	2.8	6.1
01/24/05	23:00:39	21.77	54.245	6.83	58	55.49	28.024	8.01	-92.2	5.2	2.9	6.2
01/24/05	23:30:40	21.77	54.150	6.79	59	55.53	28.058	8.02	-92.3	2.2	2.9	1380.7
01/25/05	00:00:39	21.76	54.653	6.72	59	55.47	28.008	8.01	-92.2	1.3	2.9	1380.7
01/25/05	00:30:39	21.76	54.680	6.67	58	55.51	28.030	8.02	-92.3	1.2	2.9	1380.7
01/25/05	01:00:39	21.74	54.700	6.65	59	55.42	27.971	8.02	-92.3	0.9	2.9	1380.6
01/25/05	01:30:39	21.73	54.670	6.62	59	55.54	28.056	8.02	-92.3	1.2	2.9	6.3
01/25/05	02:00:40	21.77	54.639	6.67	59	55.48	28.016	8.02	-92.5	1.0	2.9	1380.7
01/25/05	02:30:39	21.81	54.684	6.72	59	55.43	27.977	8.03	-92.9	1.2	2.8	1380.9
01/25/05	03:00:39	21.84	54.700	6.76	59	55.44	27.985	8.03	-93.1	1.1	2.8	6.2
01/25/05	03:30:39	21.82	54.776	6.69	59	55.47	28.005	8.03	-92.8	1.2	2.9	6.0
01/25/05	04:00:39	21.77	54.994	6.56	59	55.45	27.985	8.02	-92.4	1.1	2.9	6.1
01/25/05	04:30:40	21.77	54.815	6.58	59	55.42	27.967	8.02	-92.4	1.1	3.0	1380.7
01/25/05	05:00:39	21.75	54.653	6.60	59	55.38	27.945	8.02	-92.5	1.1	2.9	1380.6
01/25/05	05:30:39	21.74	54.658	6.59	58	55.33	27.910	8.02	-92.5	1.1	2.9	6.2
01/25/05	06:00:39	21.70	54.628	6.59	59	55.27	27.869	8.02	-92.5	1.1	2.9	1380.4
01/25/05	06:30:39	21.70	54.635	6.55	59	55.30	27.887	8.02	-92.4	1.1	2.8	1380.4
01/25/05	07:00:40	21.75	54.915	6.68	59	55.19	27.809	8.03	-93.0	1.1	3.0	6.2
01/25/05	07:30:39	21.79	54.869	6.58	59	55.15	27.782	8.02	-92.7	1.1	3.0	6.1
01/25/05	08:00:39	21.78	54.712	6.50	59	55.18	27.808	8.02	-92.5	1.2	2.9	6.2
01/25/05	08:30:39	21.81	54.732	6.49	59	55.05	27.715	8.02	-92.5	1.1	2.9	6.2
01/25/05	09:00:39	21.72	54.971	6.40	58	55.00	27.680	8.01	-92.0	1.1	3.0	6.2
01/25/05	09:30:40	21.69	54.962	6.44	58	54.92	27.625	8.01	-92.0	1.1	2.8	1380.4
01/25/05	10:00:39	21.83	54.755	6.48	58	54.85	27.580	8.02	-92.5	1.1	2.9	1380.9
01/25/05	10:30:39	21.71	54.692	6.38	58	54.83	27.563	8.01	-91.9	1.2	3.0	1380.4
01/25/05	11:00:39	21.75	54.736	6.44	59	54.79	27.535	8.02	-92.3	1.1	2.9	1380.6
01/25/05	11:30:39	21.72	54.662	6.35	58	54.73	27.496	8.01	-92.0	1.1	2.9	1380.6
01/25/05	12:00:39	21.71	54.642	6.40	59	54.69	27.468	8.02	-92.3	1.2	2.9	6.1
01/25/05	12:30:39	21.78	54.670	6.43	58	54.64	27.437	8.02	-92.5	1.2	2.9	6.1
01/25/05	13:00:39	21.73	54.609	6.54	58	54.61	27.413	8.03	-92.9	1.2	2.9	1380.6
01/25/05	13:30:39	21.70	54.631	6.64	59	54.58	27.396	8.03	-92.9	2.9	2.8	6.2
01/25/05	14:00:39	21.70	54.595	6.37	59	54.61	27.416	8.02	-92.7	4.4	2.9	6.1
01/25/05	14:30:39	21.72	54.630	5.89	58	54.60	27.406	8.03	-92.9	13.7	2.8	6.2
01/25/05	15:00:39	21.76	54.639	5.89	59	54.59	27.398	8.03	-93.0	5.6	2.9	6.1
01/25/05	15:30:39	21.81	54.680	5.75	58	54.64	27.438	8.03	-93.0	10.0	2.8	6.2
01/25/05	16:00:39	21.83	54.674	5.58	58	54.75	27.513	8.03	-92.9	8.4	2.9	6.0
01/25/05	16:30:39	21.85	54.641	5.59	58	54.74	27.504	8.03	-93.0	10.9	2.9	6.2
01/25/05	17:00:39	21.94	54.653	5.51	58	54.79	27.538	8.03	-92.9	11.1	2.9	6.2
01/25/05	17:30:39	22.06	54.710	5.56	58	54.87	27.597	8.03	-92.8	11.3	2.9	1382.0
01/25/05	18:00:39	22.16	54.727	5.43	58	54.88	27.604	8.02	-92.5	18.2	3.0	1382.4
01/25/05	18:30:39	22.22	54.826	5.32	58	54.93	27.637	8.02	-92.3	17.0	2.9	6.2
01/25/05	19:00:40	22.24	54.773	5.41	58	55.02	27.696	8.02	-92.6	22.1	2.8	6.2
01/25/05	19:30:39	22.29	54.968	5.54	58	55.02	27.698	8.02	-92.8	25.6	2.9	6.0
01/25/05	20:00:39	22.26	54.775	5.65	59	55.17	27.800	8.02	-92.5	18.2	2.9	6.0
01/25/05	20:30:39	22.25	54.767	5.67	58	55.22	27.835	8.02	-92.4	17.8	2.8	6.2
01/25/05	21:00:39	22.27	54.774	5.90	59	55.27	27.873	8.02	-92.5	11.2	2.8	6.2
01/25/05	21:30:40	22.31	54.764	6.09	59	55.33	27.913	8.02	-92.7	21.7	2.9	6.2
01/25/05	22:00:39	22.31	54.868	6.04	59	55.34	27.920	8.02	-92.6	12.5	2.9	5.9
01/25/05	22:30:39	22.32	54.802	5.89	58	55.36	27.932	8.02	-92.5	7.3	2.9	6.0
01/25/05	23:00:39	22.34	54.843	5.91	59	55.39	27.950	8.02	-92.4	6.7	2.9	5.9
01/25/05	23:30:39	22.36	54.795	6.05	58	55.41	27.968	8.02	-92.8	2.9	2.9	6.1
01/26/05	00:00:40	22.36	54.859	5.86	58	55.49	28.019	8.02	-92.8	1.2	2.8	6.1
01/26/05	00:30:39	22.36	54.780	5.75	58	55.44	27.985	8.02	-92.6	1.1	2.9	6.1
01/26/05	01:00:39	22.37	54.945	5.44	58	55.48	28.016	8.02	-92.5	1.0	2.9	6.1
01/26/05	01:30:39	22.38	54.988	5.02	58	55.49	28.021	8.02	-92.7	1.1	3.0	6.0
01/26/05	02:00:39	22.39	54.857	5.58	58	55.47	28.009	8.03	-93.0	1.1	2.9	1383.4
01/26/05	02:30:40	22.40	55.030	5.91	58	55.43	27.976	8.03	-93.0	1.1	2.9	6.0
01/26/05	03:00:39	22.41	54.808	6.23	59	55.48	28.016	8.03	-93.0	1.1	2.9	1383.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/26/05	03:30:39	22.41	54.795	6.27	59	55.44	27.989	8.03	-93.0	1.1	2.9	1383.6
01/26/05	04:00:39	22.42	54.780	6.25	59	55.47	28.009	8.02	-92.8	1.2	2.9	1383.6
01/26/05	04:30:39	22.40	54.897	5.90	59	55.45	27.994	8.02	-92.8	1.1	2.9	6.1
01/26/05	05:00:40	22.40	54.821	5.61	59	55.40	27.959	8.02	-92.8	1.0	2.9	6.1
01/26/05	05:30:39	22.41	54.958	5.34	58	55.41	27.965	8.02	-92.8	1.1	2.8	6.1
01/26/05	06:00:39	22.38	54.964	5.12	58	55.38	27.941	8.02	-92.6	1.2	2.9	1383.4
01/26/05	06:30:39	22.39	54.788	5.32	58	55.38	27.948	8.02	-92.7	1.0	3.0	1383.4
01/26/05	07:00:39	22.39	54.781	5.53	58	55.36	27.937	8.02	-92.7	1.1	2.9	6.1
01/26/05	07:30:40	22.41	54.774	5.73	58	55.38	27.950	8.03	-92.9	1.1	2.9	6.1
01/26/05	08:00:39	22.40	54.791	5.72	58	55.32	27.906	8.02	-92.8	1.1	3.0	6.0
01/26/05	08:30:39	22.43	54.790	5.91	59	55.29	27.887	8.03	-93.0	1.1	2.8	6.1
01/26/05	09:00:39	22.43	54.777	5.82	59	55.21	27.830	8.03	-92.9	1.1	2.8	1383.6
01/26/05	09:30:39	22.43	54.781	5.44	59	55.15	27.789	8.02	-92.8	1.1	2.8	1383.6
01/26/05	10:00:40	22.42	54.775	5.42	58	55.11	27.761	8.02	-92.8	1.1	2.9	1383.6
01/26/05	10:30:39	22.42	54.763	5.40	59	55.03	27.708	8.02	-92.7	1.2	2.8	6.0
01/26/05	11:00:39	22.41	54.783	5.58	59	54.97	27.665	8.02	-92.5	1.1	2.9	6.0
01/26/05	11:30:39	22.33	54.763	5.69	58	54.97	27.663	8.02	-92.4	1.1	2.8	6.2
01/26/05	12:00:39	22.32	54.754	5.77	58	54.91	27.626	8.02	-92.3	1.1	2.9	1383.1
01/26/05	12:30:40	22.34	54.763	5.93	59	54.95	27.653	8.02	-92.4	1.1	2.9	1383.2
01/26/05	13:00:39	22.35	54.719	5.93	59	54.83	27.573	8.02	-92.5	1.2	3.0	6.0
01/26/05	13:30:39	22.36	54.763	5.55	59	54.85	27.581	8.02	-92.5	3.6	2.9	5.9
01/26/05	14:00:39	22.36	54.745	6.16	59	54.74	27.509	8.02	-92.6	9.0	2.9	5.9
01/26/05	14:30:39	22.36	54.732	6.31	59	54.78	27.533	8.02	-92.6	14.7	2.9	5.9
01/26/05	15:00:40	22.37	54.761	6.42	58	54.82	27.560	8.02	-92.7	22.9	2.8	6.1
01/26/05	15:30:39	22.36	54.745	6.51	59	54.77	27.531	8.02	-92.8	28.7	2.8	1383.3
01/26/05	16:00:39	22.38	54.738	6.57	59	54.88	27.602	8.03	-92.9	33.4	3.0	1383.4
01/26/05	16:30:39	22.39	54.764	6.68	59	54.97	27.668	8.03	-93.0	39.9	2.8	1383.4
01/26/05	17:00:39	22.41	54.754	6.86	59	54.95	27.649	8.03	-93.1	47.7	2.8	6.1
01/26/05	17:30:40	22.38	54.727	6.70	59	54.92	27.628	8.03	-93.1	46.0	2.9	6.2
01/26/05	18:00:39	22.36	54.739	7.02	60	54.99	27.679	8.03	-93.0	50.2	2.9	6.2
01/26/05	18:30:39	22.37	54.762	7.02	59	55.04	27.716	8.03	-93.1	46.7	2.8	1383.4
01/26/05	19:00:39	22.36	54.731	7.04	59	55.12	27.768	8.03	-93.0	50.5	2.9	1383.3
01/26/05	19:30:39	22.36	54.810	7.03	59	55.14	27.780	8.03	-93.0	30.5	2.8	6.0
01/26/05	20:00:40	22.36	54.907	7.12	59	55.23	27.844	8.03	-93.0	46.7	3.1	6.1
01/26/05	20:30:39	22.37	54.807	7.30	60	55.25	27.857	8.03	-92.9	29.4	2.9	6.0
01/26/05	21:00:39	22.37	54.768	7.36	60	55.29	27.888	8.03	-93.0	40.9	3.0	6.0
01/26/05	21:30:39	22.38	54.764	7.37	61	55.28	27.875	8.02	-92.7	27.6	2.9	6.1
01/26/05	22:00:39	22.37	54.759	7.30	61	55.37	27.942	8.02	-92.5	15.3	2.9	6.0
01/26/05	22:30:39	22.38	54.757	7.30	60	55.39	27.954	8.02	-92.5	18.0	2.9	6.0
01/26/05	23:00:39	22.39	54.767	7.16	60	55.49	28.024	8.02	-92.5	7.3	2.8	6.2
01/26/05	23:30:39	22.40	54.760	7.06	61	55.40	27.962	8.02	-92.5	3.8	2.9	1383.4
01/27/05	00:00:39	22.39	54.764	6.95	60	55.50	28.029	8.02	-92.4	1.2	2.8	6.0
01/27/05	00:30:39	22.38	54.735	6.89	60	55.49	28.026	8.02	-92.5	1.1	2.9	6.1
01/27/05	01:00:39	22.38	54.781	6.84	61	55.46	27.999	8.02	-92.5	1.0	3.0	6.1
01/27/05	01:30:39	22.39	54.917	6.81	61	55.47	28.009	8.02	-92.5	1.1	3.0	6.2
01/27/05	02:00:39	22.42	54.780	6.83	61	55.49	28.020	8.02	-92.7	1.2	2.9	6.2
01/27/05	02:30:39	22.43	54.790	6.79	61	55.50	28.027	8.02	-92.6	1.2	2.9	6.1
01/27/05	03:00:39	22.44	54.777	6.74	61	55.46	28.003	8.02	-92.6	1.0	2.9	1383.7
01/27/05	03:30:39	22.47	54.781	6.72	60	55.44	27.986	8.02	-92.7	1.1	3.0	6.1
01/27/05	04:00:39	22.47	54.764	6.74	61	55.44	27.991	8.02	-92.7	1.1	2.9	5.9
01/27/05	04:30:39	22.48	54.787	6.72	60	55.39	27.954	8.02	-92.7	1.0	2.9	5.9
01/27/05	05:00:39	22.50	54.751	6.69	61	55.39	27.953	8.02	-92.6	1.1	3.0	6.0
01/27/05	05:30:40	22.52	54.757	6.65	61	55.37	27.942	8.02	-92.5	1.0	2.8	5.9
01/27/05	06:00:39	22.61	54.760	6.74	61	55.30	27.897	8.02	-92.8	1.1	2.9	6.3
01/27/05	06:30:39	22.62	54.775	6.72	60	55.27	27.874	8.02	-92.7	1.2	2.9	5.9
01/27/05	07:00:39	22.65	54.754	6.73	61	55.31	27.900	8.02	-92.8	1.2	2.9	5.9
01/27/05	07:30:39	22.67	54.769	6.71	61	55.25	27.859	8.02	-92.7	1.1	2.9	6.0
01/27/05	08:00:40	22.72	54.749	6.74	61	55.25	27.864	8.03	-93.0	1.2	3.0	6.1
01/27/05	08:30:39	22.76	54.751	6.73	61	55.23	27.848	8.02	-92.9	1.1	2.9	5.9
01/27/05	09:00:39	22.78	55.135	6.67	61	55.16	27.796	8.02	-92.8	1.1	2.8	6.1
01/27/05	09:30:39	22.80	54.783	6.74	61	55.14	27.786	8.03	-93.0	1.1	2.9	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/27/05	10:00:39	22.80	54.754	6.69	61	55.08	27.741	8.02	-92.8	1.2	2.9	6.0
01/27/05	10:30:40	22.80	54.758	6.66	61	54.99	27.683	8.02	-92.7	1.1	2.9	5.9
01/27/05	11:00:39	22.81	54.743	6.66	61	54.95	27.655	8.02	-92.7	1.1	2.9	1385.3
01/27/05	11:30:39	22.59	54.903	6.63	61	54.87	27.595	8.02	-92.5	1.0	3.0	1384.4
01/27/05	12:00:39	22.55	55.046	6.65	61	54.91	27.620	8.02	-92.5	1.1	2.9	1384.2
01/27/05	12:30:39	22.54	54.940	6.62	60	54.81	27.555	8.02	-92.3	1.0	3.0	6.0
01/27/05	13:00:40	22.56	53.256	6.60	61	54.76	27.548	8.02	-92.3	1.2	2.9	6.1
01/27/05	13:30:39	22.56	53.335	6.60	61	54.72	27.519	8.01	-92.2	2.7	3.0	6.1
01/27/05	14:00:39	22.60	53.322	6.66	61	54.69	27.494	8.01	-92.1	7.3	2.9	1384.4
01/27/05	14:30:39	22.62	53.173	6.78	61	54.67	27.488	8.01	-92.3	12.0	2.8	1384.5
01/27/05	15:00:39	22.61	52.589	7.01	61	54.70	27.516	8.02	-92.7	16.4	2.8	1384.4
01/27/05	15:30:40	22.59	52.713	7.15	61	54.68	27.502	8.02	-92.8	29.0	2.9	6.1
01/27/05	16:00:39	22.58	54.170	7.10	60	54.71	27.497	8.02	-92.7	18.6	2.9	1384.2
01/27/05	16:30:39	22.56	54.080	7.06	61	54.74	27.519	8.02	-92.7	23.6	3.0	1384.2
01/27/05	17:00:39	22.58	54.256	6.97	61	54.73	27.511	8.02	-92.5	13.6	2.8	6.1
01/27/05	17:30:39	22.52	54.260	6.80	61	54.79	27.548	8.01	-92.2	12.9	2.9	1384.0
01/27/05	18:00:39	22.58	54.384	6.89	61	54.82	27.571	8.02	-92.3	6.4	2.9	1384.3
01/27/05	18:30:39	22.57	54.369	6.89	60	54.91	27.630	8.01	-92.3	13.6	2.9	6.2
01/27/05	19:00:39	22.51	54.591	6.84	61	54.92	27.631	8.01	-92.2	7.4	2.9	5.9
01/27/05	19:30:39	22.49	54.394	6.97	61	55.00	27.696	8.02	-92.3	20.8	2.9	6.1
01/27/05	20:00:39	22.47	54.463	6.88	60	55.06	27.732	8.01	-92.3	5.6	2.9	6.1
01/27/05	20:30:39	22.45	54.401	6.80	60	55.08	27.750	8.01	-92.3	5.3	3.0	6.1
01/27/05	21:00:39	22.36	54.362	6.82	61	55.20	27.828	8.01	-92.1	14.5	3.0	6.1
01/27/05	21:30:39	22.31	54.329	6.79	60	55.19	27.826	8.01	-92.1	5.4	2.8	6.1
01/27/05	22:00:39	22.31	54.314	6.87	61	55.27	27.876	8.01	-92.2	15.7	3.0	6.1
01/27/05	22:30:39	22.30	54.403	6.86	60	55.39	27.959	8.01	-92.3	8.3	2.8	6.1
01/27/05	23:00:39	22.34	54.419	6.88	60	55.36	27.937	8.02	-92.5	4.9	2.9	6.1
01/27/05	23:30:39	22.34	54.811	6.82	60	55.26	27.864	8.02	-92.5	2.7	2.8	6.1
01/28/05	00:00:39	22.37	54.770	6.83	60	55.40	27.961	8.02	-92.7	1.2	2.9	1383.3
01/28/05	00:30:39	22.40	54.753	6.81	60	55.56	28.070	8.02	-92.8	1.1	3.0	1383.5
01/28/05	01:00:40	22.39	54.761	6.76	60	55.42	27.972	8.02	-92.8	1.1	3.0	1383.4
01/28/05	01:30:39	22.40	54.783	6.74	61	55.38	27.946	8.02	-92.8	1.0	2.9	1383.4
01/28/05	02:00:39	22.45	54.789	6.74	61	55.41	27.969	8.02	-92.8	1.2	2.8	1383.7
01/28/05	02:30:39	22.48	54.794	6.78	60	55.40	27.962	8.03	-93.0	1.1	2.9	1383.9
01/28/05	03:00:39	22.49	54.821	6.78	60	55.58	28.085	8.03	-93.0	1.1	2.9	10.0
01/28/05	03:30:40	22.44	54.782	6.80	60	55.42	27.975	8.03	-93.1	1.1	2.9	6.1
01/28/05	04:00:39	22.45	55.147	6.78	61	55.38	27.943	8.03	-93.1	1.0	2.9	6.0
01/28/05	04:30:39	22.45	55.059	6.79	61	55.50	28.027	8.03	-93.1	1.0	2.8	6.0
01/28/05	05:00:39	22.44	54.853	6.79	61	55.51	28.037	8.03	-93.1	1.0	3.0	6.0
01/28/05	05:30:39	22.45	55.049	6.78	61	55.40	27.958	8.03	-93.1	1.1	2.8	6.1
01/28/05	06:00:40	22.53	54.840	6.79	61	55.49	28.024	8.03	-93.2	1.1	2.8	6.1
01/28/05	06:30:39	22.50	54.820	6.79	60	55.40	27.960	8.03	-93.1	1.1	2.9	6.1
01/28/05	07:00:39	22.50	54.906	6.76	61	55.29	27.885	8.03	-93.1	1.1	2.9	6.1
01/28/05	07:30:39	22.57	54.858	6.77	60	55.45	27.995	8.03	-93.1	1.2	3.0	6.1
01/28/05	08:00:39	22.55	54.875	6.80	61	55.39	27.956	8.03	-93.1	1.1	2.8	6.1
01/28/05	08:30:40	22.58	54.950	6.76	60	55.46	27.999	8.03	-93.1	1.1	2.9	6.1
01/28/05	09:00:39	22.62	54.840	6.80	61	55.39	27.958	8.03	-93.3	1.0	2.7	6.0
01/28/05	09:30:39	22.65	54.863	6.78	61	55.39	27.955	8.03	-93.3	1.2	2.9	6.0
01/28/05	10:00:39	22.67	54.841	6.78	60	55.32	27.906	8.03	-93.3	1.1	2.8	1384.7
01/28/05	10:30:39	22.68	54.856	6.75	60	55.31	27.900	8.03	-93.1	1.1	2.9	5.9
01/28/05	11:00:40	22.67	54.332	6.79	60	55.24	27.863	8.03	-93.2	1.0	2.8	1384.7
01/28/05	11:30:39	22.67	54.841	6.75	61	55.11	27.761	8.03	-93.2	1.1	2.8	6.1
01/28/05	12:00:39	22.68	54.861	6.77	61	55.03	27.707	8.03	-93.2	1.1	3.0	5.9
01/28/05	12:30:39	22.68	54.830	6.76	61	55.03	27.710	8.03	-93.0	1.1	2.9	5.9
01/28/05	13:00:39	22.69	54.812	6.74	60	54.91	27.624	8.03	-93.1	1.1	2.9	1384.7
01/28/05	13:30:39	22.69	54.811	6.74	61	54.94	27.646	8.03	-93.0	3.5	2.9	1384.7
01/28/05	14:00:39	22.68	54.798	6.79	60	55.02	27.701	8.02	-92.9	7.4	2.9	6.2
01/28/05	14:30:39	22.67	54.798	6.80	61	54.89	27.610	8.02	-92.8	5.3	2.8	6.1
01/28/05	15:00:39	22.67	54.793	6.86	61	55.00	27.689	8.02	-92.9	14.0	2.9	1384.7
01/28/05	15:30:39	22.67	54.945	6.80	61	54.94	27.646	8.02	-92.7	3.6	2.9	1384.7
01/28/05	16:00:39	22.67	54.814	6.91	61	55.02	27.704	8.03	-93.0	48.7	2.9	9.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/28/05	16:30:39	22.67	54.819	7.07	61	54.87	27.602	8.03	-92.9	50.0	2.9	5.9
01/28/05	17:00:39	22.67	54.799	7.18	61	54.94	27.644	8.02	-92.9	42.8	2.9	6.1
01/28/05	17:30:39	22.67	54.792	7.24	61	54.93	27.640	8.03	-93.0	59.8	2.9	1384.6
01/28/05	18:00:39	22.64	54.802	7.31	61	54.95	27.656	8.03	-93.0	64.5	2.8	1384.5
01/28/05	18:30:39	22.61	54.818	7.38	61	55.01	27.691	8.03	-93.0	63.2	2.9	6.2
01/28/05	19:00:39	22.58	54.795	7.43	60	55.04	27.715	8.03	-93.0	68.5	2.8	1384.2
01/28/05	19:30:39	22.57	54.789	7.42	60	55.17	27.806	8.03	-93.0	72.6	2.9	1384.2
01/28/05	20:00:39	22.60	54.789	7.46	61	55.15	27.792	8.03	-93.0	54.8	2.9	6.3
01/28/05	20:30:40	22.64	54.779	7.47	61	55.14	27.786	8.03	-93.1	53.8	2.9	1384.5
01/28/05	21:00:39	22.68	54.765	7.46	61	55.21	27.832	8.03	-93.0	38.3	2.9	1384.7
01/28/05	21:30:39	22.68	54.851	7.41	61	55.28	27.881	8.02	-92.8	30.1	3.0	1384.7
01/28/05	22:00:39	22.69	54.767	7.22	60	55.21	27.836	8.02	-92.7	16.2	2.9	1384.8
01/28/05	22:30:39	22.70	54.785	7.15	60	55.27	27.871	8.02	-92.6	9.1	2.8	1384.8
01/28/05	23:00:40	22.70	54.768	7.09	60	55.41	27.971	8.02	-92.5	8.6	3.0	1384.8
01/28/05	23:30:39	22.71	54.770	6.99	60	55.23	27.844	8.01	-92.3	3.5	2.9	1384.8
01/29/05	00:00:39	22.71	55.075	6.86	60	55.23	27.843	8.01	-92.2	1.4	3.0	1384.8
01/29/05	00:30:39	22.71	54.437	6.83	61	55.36	27.938	8.01	-92.3	1.2	2.9	1384.8
01/29/05	01:00:39	22.70	54.934	6.80	60	55.32	27.903	8.01	-92.3	1.2	3.0	6.0
01/29/05	01:30:40	22.71	54.452	6.61	60	55.38	27.952	8.01	-91.9	1.2	2.9	1384.8
01/29/05	02:00:39	22.72	54.791	6.70	60	55.31	27.898	8.01	-92.2	1.3	2.9	1384.9
01/29/05	02:30:39	22.72	54.844	6.76	60	55.37	27.941	8.02	-92.5	1.1	2.9	1384.8
01/29/05	03:00:39	22.71	54.752	6.76	61	55.25	27.864	8.02	-92.5	1.1	3.0	6.1
01/29/05	03:30:39	22.71	55.026	6.76	61	55.34	27.918	8.02	-92.6	1.1	2.8	5.9
01/29/05	04:00:40	22.70	54.778	6.66	60	55.18	27.813	8.02	-92.5	1.1	2.9	6.0
01/29/05	04:30:39	22.70	54.758	6.71	61	55.23	27.848	8.02	-92.5	1.2	2.9	5.9
01/29/05	05:00:39	22.71	54.728	6.75	60	55.25	27.864	8.02	-92.8	1.1	2.9	5.9
01/29/05	05:30:39	22.70	54.939	6.74	60	55.18	27.812	8.02	-92.8	1.2	2.7	5.9
01/29/05	06:00:39	22.70	54.734	6.69	60	55.21	27.831	8.02	-92.6	1.1	2.9	6.0
01/29/05	06:30:40	22.69	54.737	6.68	60	55.20	27.828	8.02	-92.7	1.0	2.8	1384.7
01/29/05	07:00:39	22.68	54.753	6.62	60	55.22	27.843	8.02	-92.4	1.1	2.9	6.7
01/29/05	07:30:39	22.67	55.156	6.67	60	55.15	27.784	8.02	-92.6	1.2	3.0	5.9
01/29/05	08:00:39	22.68	54.967	6.64	60	55.20	27.826	8.02	-92.6	1.1	2.9	6.1
01/29/05	08:30:39	22.68	55.051	6.67	60	55.18	27.811	8.02	-92.7	1.1	2.9	6.0
01/29/05	09:00:39	22.68	55.073	6.66	60	55.18	27.811	8.03	-93.0	1.2	2.9	1384.7
01/29/05	09:30:39	22.68	54.602	6.67	60	55.19	27.824	8.03	-92.9	1.0	2.9	1384.7
01/29/05	10:00:39	22.67	54.893	6.72	60	55.15	27.787	8.03	-93.1	1.0	3.0	5.9
01/29/05	10:30:39	22.67	54.921	6.67	61	55.13	27.779	8.03	-93.0	1.2	2.9	5.9
01/29/05	11:00:39	22.66	54.819	6.70	61	55.08	27.740	8.03	-93.1	1.1	2.9	1384.6
01/29/05	11:30:39	22.66	54.800	6.66	61	55.06	27.728	8.03	-93.0	1.2	2.9	1384.6
01/29/05	12:00:39	22.66	54.964	6.67	61	55.06	27.728	8.03	-93.0	1.0	2.9	1384.6
01/29/05	12:30:39	22.65	54.799	6.67	61	54.98	27.674	8.03	-93.1	1.0	2.8	1384.6
01/29/05	13:00:39	22.64	54.802	6.72	61	54.96	27.661	8.03	-93.2	1.3	2.9	6.1
01/29/05	13:30:39	22.64	54.791	6.71	60	54.98	27.675	8.03	-93.0	4.0	2.9	1384.5
01/29/05	14:00:39	22.63	54.749	6.77	60	54.94	27.650	8.03	-93.1	10.4	2.9	1384.5
01/29/05	14:30:39	22.62	54.779	6.86	60	54.92	27.635	8.03	-93.0	17.6	2.9	6.1
01/29/05	15:00:39	22.60	54.745	6.98	60	54.98	27.676	8.03	-93.1	26.8	2.9	6.1
01/29/05	15:30:39	22.59	54.783	7.04	60	54.78	27.536	8.03	-93.0	35.1	3.0	6.0
01/29/05	16:00:39	22.58	54.769	7.06	60	54.88	27.606	8.03	-93.1	42.7	2.9	6.3
01/29/05	16:30:39	22.56	54.776	7.19	60	55.07	27.736	8.03	-93.1	49.5	2.9	6.1
01/29/05	17:00:39	22.54	54.819	7.22	61	54.74	27.504	8.03	-93.1	20.4	2.9	5.9
01/29/05	17:30:39	22.51	54.793	7.26	60	55.17	27.806	8.03	-93.1	51.9	2.9	1383.9
01/29/05	18:00:39	22.47	54.795	7.25	61	54.75	27.514	8.03	-93.1	38.2	2.9	6.0
01/29/05	18:30:39	22.42	54.798	7.27	60	54.91	27.621	8.03	-93.0	47.0	2.9	1383.6
01/29/05	19:00:39	22.38	54.795	7.29	61	54.88	27.605	8.03	-93.0	37.5	3.0	5.9
01/29/05	19:30:39	22.40	54.805	7.32	60	54.85	27.583	8.03	-93.1	34.1	2.9	1383.5
01/29/05	20:00:39	22.38	54.806	7.33	60	55.09	27.750	8.03	-93.2	35.3	3.0	1383.4
01/29/05	20:30:39	22.36	54.796	7.24	60	55.09	27.748	8.03	-93.1	22.5	2.9	6.0
01/29/05	21:00:39	22.37	54.815	7.23	60	55.06	27.728	8.03	-93.1	23.0	2.9	6.1
01/29/05	21:30:39	22.39	54.821	7.17	60	55.38	27.943	8.03	-93.1	15.9	3.0	6.1
01/29/05	22:00:39	22.39	55.008	7.08	60	55.04	27.712	8.03	-93.0	13.3	2.8	6.0
01/29/05	22:30:39	22.39	54.813	7.03	60	55.08	27.742	8.03	-93.0	6.2	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/29/05	23:00:39	22.37	54.814	6.97	60	55.20	27.825	8.03	-93.0	3.6	2.8	6.0
01/29/05	23:30:40	22.38	54.822	6.91	61	55.40	27.960	8.03	-93.1	1.9	2.9	6.1
01/30/05	00:00:39	22.38	54.841	6.84	60	55.29	27.881	8.03	-93.0	1.2	2.9	6.0
01/30/05	00:30:39	22.39	54.856	6.75	60	55.44	27.987	8.02	-92.8	1.1	2.9	6.1
01/30/05	01:00:39	22.42	54.900	6.70	60	55.39	27.953	8.02	-92.8	1.1	2.8	1383.6
01/30/05	01:30:39	22.43	55.014	6.60	60	55.17	27.802	8.02	-92.6	1.1	3.0	1383.6
01/30/05	02:00:40	22.46	55.086	6.62	60	55.63	28.112	8.02	-92.7	1.2	3.0	1383.7
01/30/05	02:30:39	22.53	55.133	6.70	60	55.39	27.949	8.03	-93.2	1.1	2.8	6.1
01/30/05	03:00:39	22.54	54.923	6.68	60	55.28	27.878	8.03	-93.1	1.1	3.0	1384.0
01/30/05	03:30:39	22.52	54.905	6.74	60	55.21	27.829	8.03	-93.3	1.1	2.9	1384.0
01/30/05	04:00:39	22.47	55.041	6.68	60	55.31	27.893	8.03	-93.1	1.1	2.8	6.1
01/30/05	04:30:40	22.44	54.889	6.69	60	55.24	27.850	8.03	-93.2	1.1	2.9	6.1
01/30/05	05:00:39	22.48	54.881	6.71	60	55.01	27.694	8.03	-93.3	1.1	2.8	1383.8
01/30/05	05:30:39	22.40	54.850	6.74	60	55.18	27.806	8.03	-93.3	1.1	2.9	1383.5
01/30/05	06:00:39	22.38	54.989	6.71	60	54.87	27.593	8.03	-93.3	1.1	2.9	6.0
01/30/05	06:30:39	22.39	54.835	6.67	60	55.26	27.862	8.03	-93.3	1.1	2.9	1383.5
01/30/05	07:00:40	22.36	54.839	6.69	61	54.99	27.679	8.03	-93.1	1.2	2.9	10.3
01/30/05	07:30:39	22.36	54.879	6.66	60	55.17	27.798	8.03	-93.1	1.0	2.8	5.9
01/30/05	08:00:39	22.40	55.088	6.62	60	55.25	27.852	8.03	-93.1	1.2	3.0	6.0
01/30/05	08:30:39	22.46	54.894	6.68	60	55.01	27.690	8.03	-93.3	1.2	3.0	1383.7
01/30/05	09:00:39	22.46	54.914	6.67	60	55.39	27.953	8.03	-93.3	1.2	2.9	1383.7
01/30/05	09:30:40	22.47	54.884	6.72	60	55.17	27.801	8.03	-93.4	1.1	2.9	1383.7
01/30/05	10:00:39	22.47	55.166	6.69	60	55.25	27.851	8.04	-93.4	1.1	3.0	1383.7
01/30/05	10:30:39	22.46	54.870	6.70	60	55.15	27.789	8.04	-93.4	1.1	2.8	1383.7
01/30/05	11:00:39	22.47	54.858	6.66	60	55.30	27.890	8.03	-93.4	1.0	2.9	6.2
01/30/05	11:30:39	22.48	54.917	6.68	60	55.10	27.756	8.04	-93.4	1.1	2.8	1383.8
01/30/05	12:00:40	22.46	54.906	6.70	60	55.26	27.860	8.04	-93.4	1.1	2.8	6.0
01/30/05	12:30:39	22.45	54.883	6.68	60	55.36	27.929	8.03	-93.4	1.1	2.9	5.9
01/30/05	13:00:39	22.46	54.890	6.68	60	55.28	27.876	8.03	-93.4	1.2	2.9	6.1
01/30/05	13:30:39	22.47	55.235	6.70	60	55.08	27.734	8.04	-93.4	1.7	3.0	6.0
01/30/05	14:00:39	22.47	54.871	6.65	60	55.22	27.838	8.03	-93.3	2.5	3.0	1383.8
01/30/05	14:30:40	22.47	54.849	6.72	60	55.09	27.750	8.03	-93.3	4.6	2.9	1383.8
01/30/05	15:00:39	22.48	54.861	6.76	60	55.12	27.766	8.03	-93.3	8.2	2.8	1383.9
01/30/05	15:30:39	22.49	54.912	6.84	61	55.11	27.757	8.03	-93.1	13.8	2.8	1383.9
01/30/05	16:00:39	22.49	54.856	6.86	60	55.01	27.693	8.03	-93.2	14.5	2.9	1383.9
01/30/05	16:30:39	22.50	54.842	6.90	60	55.11	27.761	8.03	-93.2	14.4	2.8	6.2
01/30/05	17:00:40	22.50	55.113	6.94	61	55.04	27.712	8.03	-93.1	23.3	2.9	6.0
01/30/05	17:30:39	22.49	54.840	6.97	60	55.10	27.755	8.03	-93.1	20.0	3.0	6.1
01/30/05	18:00:39	22.48	54.821	6.96	60	55.09	27.745	8.03	-93.1	20.0	2.9	1383.9
01/30/05	18:30:39	22.49	54.840	6.99	60	55.17	27.804	8.03	-93.1	27.4	2.9	1383.9
01/30/05	19:00:39	22.48	54.832	6.99	60	55.21	27.832	8.03	-93.0	12.3	3.0	5.9
01/30/05	19:30:40	22.45	54.810	6.96	60	55.22	27.836	8.02	-92.8	16.7	3.0	6.1
01/30/05	20:00:39	22.40	54.810	6.90	60	55.09	27.750	8.02	-92.8	17.4	2.9	5.9
01/30/05	20:30:39	22.37	54.829	6.88	60	55.16	27.792	8.02	-92.8	11.8	2.8	6.0
01/30/05	21:00:39	22.36	54.946	6.93	60	55.22	27.834	8.02	-92.8	16.7	3.0	1383.3
01/30/05	21:30:39	22.32	54.809	6.97	60	55.20	27.824	8.02	-92.8	21.4	2.8	6.1
01/30/05	22:00:40	22.32	54.818	6.96	60	55.24	27.848	8.03	-92.8	13.3	2.9	1383.1
01/30/05	22:30:39	22.34	54.801	6.92	60	55.37	27.942	8.02	-92.8	9.5	2.8	1383.3
01/30/05	23:00:39	22.32	54.782	6.83	60	55.22	27.835	8.03	-92.9	3.7	2.9	1383.1
01/30/05	23:30:39	22.32	54.807	6.80	60	55.21	27.827	8.03	-93.0	1.8	2.9	6.1
01/31/05	00:00:39	22.33	54.829	6.76	60	55.23	27.844	8.03	-93.0	1.1	2.8	6.1
01/31/05	00:30:40	22.34	54.866	6.70	60	55.31	27.896	8.03	-93.1	1.2	2.7	1383.2
01/31/05	01:00:39	22.34	55.172	6.65	60	55.41	27.961	8.03	-93.0	1.1	2.9	1383.3
01/31/05	01:30:39	22.34	55.150	6.64	60	55.24	27.847	8.03	-93.0	1.2	2.8	6.2
01/31/05	02:00:39	22.35	54.845	6.62	60	55.32	27.907	8.03	-93.0	1.1	3.0	5.9
01/31/05	02:30:39	22.39	54.786	6.59	60	55.16	27.795	8.03	-93.0	1.2	2.9	6.1
01/31/05	03:00:40	22.43	55.131	6.50	60	55.29	27.878	8.03	-92.9	1.1	2.9	6.0
01/31/05	03:30:39	22.56	55.128	6.59	60	55.23	27.843	8.03	-93.1	1.2	2.8	6.0
01/31/05	04:00:39	22.60	55.091	6.62	60	55.31	27.899	8.03	-93.3	1.0	3.0	6.0
01/31/05	04:30:39	22.60	55.105	6.65	61	55.25	27.852	8.03	-93.3	1.1	2.9	5.9
01/31/05	05:00:39	22.57	54.980	6.63	60	55.05	27.722	8.03	-93.1	1.2	3.0	1384.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
01/31/05	05:30:40	22.51	55.104	6.55	60	55.11	27.755	8.03	-92.9	1.2	3.0	1384.0
01/31/05	06:00:39	22.41	55.159	6.56	60	55.06	27.725	8.02	-92.8	1.2	3.0	1383.6
01/31/05	06:30:39	22.38	54.901	6.61	60	55.12	27.766	8.03	-93.0	1.1	2.8	1383.4
01/31/05	07:00:39	22.38	55.064	6.58	60	55.07	27.730	8.03	-93.0	1.1	3.0	5.9
01/31/05	07:30:39	22.33	54.910	6.57	60	55.10	27.751	8.03	-93.0	1.1	2.8	6.1
01/31/05	08:00:40	22.25	54.858	6.57	60	55.19	27.813	8.03	-92.9	1.2	2.9	1382.8
01/31/05	08:30:39	22.20	54.845	6.57	60	55.15	27.784	8.03	-92.9	1.2	2.8	1382.6
01/31/05	09:00:39	22.15	54.817	6.58	60	55.24	27.851	8.03	-93.0	1.2	2.8	7.7
01/31/05	09:30:39	22.07	54.964	6.50	60	55.18	27.801	8.02	-92.7	1.1	2.9	6.0
01/31/05	10:00:39	21.97	54.851	6.43	60	55.21	27.825	8.02	-92.4	1.2	2.9	5.9
01/31/05	10:30:39	21.91	54.874	6.36	59	55.21	27.823	8.01	-92.1	1.1	2.9	6.2
01/31/05	11:00:39	21.82	55.128	6.30	59	55.08	27.729	8.01	-92.1	1.1	3.1	1380.9
01/31/05	11:30:39	21.72	54.795	6.36	59	55.13	27.768	8.02	-92.2	1.1	2.9	1380.5
01/31/05	12:00:39	21.67	54.802	6.36	59	55.22	27.833	8.02	-92.2	1.0	2.9	1380.3
01/31/05	12:30:39	21.59	54.733	6.49	59	55.33	27.906	8.03	-92.7	1.1	2.8	6.1
01/31/05	13:00:39	21.60	54.706	6.56	60	55.38	27.939	8.03	-93.0	1.3	2.9	1380.0
01/31/05	13:30:39	21.61	54.723	6.59	59	55.25	27.853	8.03	-93.0	2.5	2.9	1380.0
01/31/05	14:00:39	21.61	54.739	6.62	60	55.12	27.765	8.03	-93.0	3.4	2.9	6.2
01/31/05	14:30:39	21.62	54.706	6.67	59	55.27	27.864	8.03	-93.1	6.4	2.9	6.2
01/31/05	15:00:39	21.63	54.705	6.67	60	55.26	27.862	8.03	-93.0	4.7	2.9	6.0
01/31/05	15:30:39	21.64	54.712	6.63	59	55.25	27.851	8.03	-92.8	5.6	2.8	6.2
01/31/05	16:00:39	21.68	55.006	6.66	59	55.31	27.892	8.03	-92.9	8.2	2.8	6.2
01/31/05	16:30:39	21.70	54.818	6.75	60	55.38	27.938	8.03	-93.0	12.4	3.0	6.2
01/31/05	17:00:39	21.76	54.837	6.80	60	55.26	27.859	8.03	-93.0	16.4	3.0	6.0
01/31/05	17:30:39	21.80	54.742	7.01	60	55.11	27.757	8.03	-93.2	39.4	2.9	6.2
01/31/05	18:00:39	21.84	54.763	6.89	60	55.22	27.834	8.03	-93.1	11.0	2.9	6.1
01/31/05	18:30:39	21.91	54.781	6.89	60	55.25	27.855	8.03	-93.0	11.5	2.9	6.2
01/31/05	19:00:39	21.93	55.163	6.85	60	55.37	27.929	8.03	-93.0	10.3	3.0	6.1
01/31/05	19:30:39	21.93	55.128	6.79	59	55.25	27.848	8.03	-93.0	8.5	2.9	1381.4
01/31/05	20:00:40	21.97	54.769	6.82	59	55.13	27.771	8.03	-93.0	13.0	2.9	1381.6
01/31/05	20:30:39	21.98	54.772	6.81	59	55.21	27.830	8.03	-93.0	11.4	2.9	6.2
01/31/05	21:00:39	22.01	54.788	6.93	60	55.31	27.896	8.03	-93.0	19.9	3.0	1381.8
01/31/05	21:30:39	22.01	54.768	6.91	60	55.17	27.801	8.03	-93.0	15.9	2.9	1381.8
01/31/05	22:00:39	22.02	54.768	6.84	60	55.22	27.834	8.03	-92.9	7.9	3.0	6.5
01/31/05	22:30:40	22.04	54.757	6.81	60	55.37	27.935	8.03	-92.9	5.7	2.9	6.2
01/31/05	23:00:39	22.05	54.799	6.73	59	55.30	27.889	8.03	-92.9	2.0	2.8	6.1
01/31/05	23:30:39	22.07	54.765	6.67	60	55.28	27.876	8.03	-92.9	1.3	3.0	6.1
02/01/05	00:00:39	22.07	54.801	6.59	59	55.12	27.763	8.02	-92.7	1.4	2.9	6.1
02/01/05	00:30:39	22.06	54.961	6.34	60	55.24	27.849	8.01	-92.0	1.1	2.9	6.1
02/01/05	01:00:40	22.07	54.970	6.35	59	55.16	27.789	8.01	-91.9	1.1	2.8	6.1
02/01/05	01:30:39	22.15	54.918	6.38	59	55.17	27.796	8.02	-92.4	1.0	2.8	5.9
02/01/05	02:00:39	22.23	54.529	6.63	60	55.16	27.800	8.03	-93.2	1.1	2.9	6.1
02/01/05	02:30:39	22.25	54.864	6.67	59	54.95	27.648	8.03	-93.3	1.1	2.9	6.1
02/01/05	03:00:39	22.25	54.848	6.64	60	54.96	27.653	8.03	-93.2	1.1	3.0	6.1
02/01/05	03:30:40	22.27	54.821	6.63	60	55.01	27.691	8.03	-93.3	1.2	2.9	6.1
02/01/05	04:00:39	22.26	54.790	6.66	60	55.11	27.762	8.03	-93.3	1.2	2.9	6.1
02/01/05	04:30:39	22.27	55.006	6.66	60	54.96	27.653	8.04	-93.4	1.2	2.9	6.1
02/01/05	05:00:39	22.29	54.778	6.75	60	55.16	27.797	8.04	-93.6	1.1	2.9	6.2
02/01/05	05:30:39	22.30	54.793	6.75	60	54.90	27.614	8.04	-93.6	1.1	2.8	6.2
02/01/05	06:00:40	22.30	54.792	6.74	59	55.03	27.708	8.04	-93.6	1.0	2.9	6.2
02/01/05	06:30:39	22.29	54.812	6.73	60	54.94	27.641	8.04	-93.6	1.1	2.9	6.0
02/01/05	07:00:39	22.28	54.822	6.72	60	54.81	27.551	8.04	-93.6	1.1	2.9	6.1
02/01/05	07:30:39	22.28	54.782	6.72	60	55.07	27.734	8.04	-93.6	1.1	2.8	6.1
02/01/05	08:00:39	22.27	54.877	6.71	60	54.81	27.556	8.04	-93.4	1.2	2.9	5.9
02/01/05	08:30:40	22.27	54.847	6.72	60	55.00	27.687	8.04	-93.5	1.1	3.0	6.0
02/01/05	09:00:39	22.26	54.875	6.71	60	54.81	27.554	8.04	-93.4	1.2	3.0	6.1
02/01/05	09:30:39	22.25	54.793	6.72	60	54.75	27.513	8.04	-93.5	1.2	2.9	6.4
02/01/05	10:00:39	22.23	54.786	6.71	60	54.81	27.551	8.04	-93.5	1.1	2.9	6.1
02/01/05	10:30:39	22.21	54.772	6.72	60	54.93	27.638	8.04	-93.6	1.2	2.9	6.1
02/01/05	11:00:40	22.21	54.772	6.70	60	54.95	27.653	8.04	-93.4	1.1	2.9	6.1
02/01/05	11:30:39	22.20	54.964	6.70	60	54.94	27.644	8.04	-93.5	1.1	3.0	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/01/05	12:00:39	22.19	54.797	6.71	60	55.38	27.943	8.04	-93.5	1.1	2.9	6.1
02/01/05	12:30:39	22.22	54.752	6.71	60	55.08	27.743	8.04	-93.6	1.0	2.9	6.1
02/01/05	13:00:39	22.24	54.753	6.68	59	55.02	27.700	8.04	-93.5	1.2	2.9	6.1
02/01/05	13:30:40	22.22	54.751	6.69	60	55.26	27.867	8.04	-93.4	1.4	2.9	6.1
02/01/05	14:00:39	22.21	54.775	6.71	59	55.36	27.929	8.04	-93.5	2.7	2.9	6.1
02/01/05	14:30:39	22.13	54.726	6.62	59	55.07	27.736	8.03	-93.2	2.5	2.8	6.0
02/01/05	15:00:39	21.97	54.705	6.60	60	55.03	27.705	8.03	-93.0	2.8	2.9	6.2
02/01/05	15:30:39	21.96	54.688	6.62	59	55.11	27.758	8.03	-93.0	4.5	2.8	6.2
02/01/05	16:00:40	21.97	54.679	6.62	59	55.38	27.944	8.03	-93.0	3.8	2.9	6.1
02/01/05	16:30:39	21.93	54.681	6.69	59	55.36	27.932	8.03	-93.0	13.3	3.0	6.2
02/01/05	17:00:39	21.90	54.663	6.73	59	55.14	27.783	8.03	-93.0	16.7	3.0	6.1
02/01/05	17:30:39	21.89	54.667	6.90	60	55.18	27.811	8.03	-93.0	33.2	2.8	6.2
02/01/05	18:00:39	21.96	54.679	6.94	59	55.25	27.859	8.03	-93.0	30.1	2.9	6.3
02/01/05	18:30:40	21.99	54.705	7.02	60	55.28	27.877	8.03	-93.0	36.0	2.9	1381.7
02/01/05	19:00:39	22.01	54.741	6.94	60	55.35	27.926	8.03	-93.0	27.5	2.9	1381.8
02/01/05	19:30:39	22.07	54.683	6.93	59	55.20	27.824	8.03	-93.0	13.7	2.9	1382.0
02/01/05	20:00:39	22.14	54.694	6.98	59	55.30	27.888	8.03	-93.1	26.6	3.0	1382.3
02/01/05	20:30:39	22.14	54.682	6.95	60	55.45	27.991	8.03	-93.1	13.9	2.9	6.3
02/01/05	21:00:39	22.16	54.700	6.91	60	55.24	27.853	8.03	-93.1	13.5	2.9	1382.5
02/01/05	21:30:39	22.14	54.688	6.86	60	55.34	27.921	8.03	-93.0	8.7	2.9	6.3
02/01/05	22:00:39	22.11	54.700	6.83	60	55.07	27.733	8.03	-93.0	5.0	2.9	1382.2
02/01/05	22:30:39	22.09	54.678	6.76	60	55.26	27.864	8.03	-92.9	3.7	2.8	1382.1
02/01/05	23:00:39	22.10	54.684	6.72	60	55.36	27.933	8.03	-93.0	2.8	2.9	1382.2
02/01/05	23:30:39	22.13	54.712	6.69	59	55.22	27.834	8.03	-93.0	2.1	2.9	1382.3
02/02/05	00:00:39	22.20	54.711	6.64	60	55.18	27.812	8.03	-93.0	1.1	2.9	1382.6
02/02/05	00:30:39	22.28	54.739	6.70	60	55.18	27.807	8.03	-93.3	1.1	2.9	1382.9
02/02/05	01:00:39	22.30	54.760	6.72	60	55.36	27.935	8.03	-93.3	1.1	2.9	1383.0
02/02/05	01:30:39	22.29	54.766	6.69	60	55.27	27.872	8.03	-93.3	1.0	2.9	6.1
02/02/05	02:00:39	22.30	54.756	6.64	60	55.19	27.817	8.03	-93.2	1.2	3.0	6.1
02/02/05	02:30:39	22.30	54.732	6.67	60	55.16	27.798	8.03	-93.3	1.2	2.9	5.9
02/02/05	03:00:39	22.30	55.091	6.64	60	55.15	27.781	8.03	-93.3	1.1	2.8	6.1
02/02/05	03:30:39	22.31	54.831	6.63	60	55.18	27.809	8.03	-93.3	1.1	3.0	6.1
02/02/05	04:00:39	22.31	54.762	6.63	59	55.11	27.765	8.03	-93.3	1.1	3.0	6.1
02/02/05	04:30:39	22.31	54.752	6.62	59	54.98	27.669	8.03	-93.2	1.1	2.9	6.1
02/02/05	05:00:39	22.30	54.745	6.65	59	55.04	27.713	8.03	-93.3	1.0	2.8	6.1
02/02/05	05:30:39	22.30	54.944	6.59	60	54.79	27.538	8.03	-93.3	1.1	2.9	5.9
02/02/05	06:00:39	22.30	54.718	6.63	60	54.89	27.610	8.03	-93.3	1.2	2.9	6.1
02/02/05	06:30:40	22.28	54.736	6.66	60	54.84	27.577	8.04	-93.4	1.0	2.8	6.2
02/02/05	07:00:39	22.29	54.711	6.63	60	54.88	27.600	8.04	-93.4	1.2	3.0	6.2
02/02/05	07:30:39	22.28	54.733	6.65	59	54.91	27.625	8.04	-93.4	1.0	2.9	6.1
02/02/05	08:00:39	22.28	54.722	6.59	59	54.79	27.542	8.03	-93.3	1.1	3.1	6.1
02/02/05	08:30:39	22.27	55.183	6.57	59	54.81	27.545	8.03	-93.3	1.2	3.0	6.1
02/02/05	09:00:40	22.28	54.724	6.58	59	54.90	27.617	8.04	-93.4	1.1	2.9	6.2
02/02/05	09:30:39	22.28	54.751	6.60	60	54.83	27.569	8.04	-93.4	1.2	3.0	6.2
02/02/05	10:00:39	22.27	54.723	6.60	60	54.91	27.622	8.03	-93.4	1.1	2.8	6.1
02/02/05	10:30:39	22.27	54.732	6.58	59	54.89	27.612	8.03	-93.2	1.1	2.9	6.1
02/02/05	11:00:39	22.26	54.818	6.56	60	54.98	27.669	8.03	-93.2	1.1	2.9	6.0
02/02/05	11:30:40	22.26	54.692	6.57	60	55.04	27.711	8.03	-93.3	1.2	2.9	6.0
02/02/05	12:00:39	22.27	54.891	6.58	60	55.08	27.738	8.03	-93.3	1.1	2.9	6.2
02/02/05	12:30:39	22.27	55.122	6.60	60	55.00	27.681	8.03	-93.3	1.0	2.8	6.1
02/02/05	13:00:39	22.27	54.706	6.60	60	55.22	27.838	8.03	-93.3	1.2	2.9	6.0
02/02/05	13:30:39	22.27	54.711	6.58	59	55.11	27.764	8.03	-93.2	1.4	2.9	6.2
02/02/05	14:00:40	22.26	54.696	6.59	60	55.42	27.974	8.03	-93.2	1.8	3.0	6.0
02/02/05	14:30:39	22.27	54.686	6.62	60	55.27	27.871	8.03	-93.3	3.5	2.9	6.0
02/02/05	15:00:39	22.27	54.697	6.63	60	55.37	27.939	8.03	-93.2	4.7	2.9	6.1
02/02/05	15:30:39	22.26	54.705	6.66	60	55.42	27.974	8.03	-93.1	6.4	2.8	6.2
02/02/05	16:00:39	22.26	54.708	6.69	59	55.25	27.857	8.03	-93.1	10.6	2.9	6.1
02/02/05	16:30:40	22.27	54.712	6.72	60	55.44	27.990	8.03	-93.1	10.9	3.0	6.1
02/02/05	17:00:39	22.26	54.681	6.83	60	55.33	27.911	8.03	-93.1	32.7	2.9	6.2
02/02/05	17:30:39	22.26	54.698	6.85	60	55.41	27.970	8.03	-93.1	15.5	2.9	6.0
02/02/05	18:00:39	22.26	54.687	6.80	60	55.42	27.977	8.03	-93.0	7.1	3.0	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/02/05	18:30:39	22.26	54.708	6.75	60	55.29	27.886	8.03	-93.0	7.0	2.9	6.1
02/02/05	19:00:39	22.24	54.693	6.71	60	55.25	27.856	8.03	-92.8	8.6	2.9	5.9
02/02/05	19:30:39	22.25	54.677	6.76	59	55.31	27.898	8.03	-93.0	9.8	2.9	6.1
02/02/05	20:00:39	22.25	54.664	6.74	59	55.13	27.774	8.03	-92.8	6.5	2.9	6.1
02/02/05	20:30:39	22.25	54.714	6.73	59	55.32	27.906	8.03	-92.9	5.9	3.0	6.1
02/02/05	21:00:39	22.24	54.688	6.68	60	55.27	27.873	8.03	-93.0	4.1	2.9	6.1
02/02/05	21:30:39	22.23	54.660	6.74	60	55.28	27.879	8.03	-93.0	5.0	2.9	6.1
02/02/05	22:00:39	22.24	54.673	6.70	60	55.25	27.855	8.03	-93.0	4.2	2.9	6.0
02/02/05	22:30:39	22.23	54.689	6.65	60	55.30	27.893	8.03	-93.0	2.4	2.9	6.0
02/02/05	23:00:39	22.23	54.688	6.68	60	55.42	27.978	8.03	-93.1	2.2	2.9	6.5
02/02/05	23:30:39	22.22	54.653	6.68	60	55.37	27.943	8.03	-93.1	1.8	3.0	6.1
02/03/05	00:00:39	22.22	54.657	6.61	59	55.23	27.844	8.03	-93.0	1.2	2.9	6.5
02/03/05	00:30:39	22.22	54.662	6.61	60	55.26	27.866	8.03	-93.1	1.1	2.9	6.2
02/03/05	01:00:39	22.20	55.045	6.59	59	55.23	27.840	8.03	-93.1	1.0	3.0	6.1
02/03/05	01:30:39	22.20	54.697	6.63	59	55.23	27.845	8.03	-93.3	1.2	2.9	6.1
02/03/05	02:00:39	22.19	54.688	6.64	59	55.08	27.738	8.03	-93.1	1.2	2.9	6.1
02/03/05	02:30:39	22.19	54.657	6.59	59	55.13	27.779	8.03	-93.1	1.0	3.0	6.2
02/03/05	03:00:39	22.18	54.669	6.62	59	55.13	27.778	8.03	-93.2	1.1	2.9	7.3
02/03/05	03:30:39	22.17	54.674	6.60	60	55.11	27.762	8.03	-93.1	1.1	3.0	6.2
02/03/05	04:00:39	22.15	54.664	6.54	60	54.87	27.594	8.03	-93.0	1.1	2.9	6.1
02/03/05	04:30:39	22.15	54.678	6.55	59	55.08	27.744	8.03	-93.1	1.1	2.9	6.5
02/03/05	05:00:39	22.14	54.683	6.55	60	54.84	27.576	8.03	-93.1	1.1	2.8	5.9
02/03/05	05:30:39	22.14	55.137	6.56	60	54.75	27.510	8.03	-93.1	1.1	2.9	6.2
02/03/05	06:00:39	22.12	54.648	6.56	59	54.69	27.474	8.03	-93.1	1.1	3.0	6.0
02/03/05	06:30:39	22.11	54.817	6.56	60	54.75	27.515	8.03	-93.1	1.1	3.0	6.3
02/03/05	07:00:40	22.10	54.655	6.55	60	54.70	27.476	8.03	-93.1	1.1	3.0	6.1
02/03/05	07:30:39	22.09	54.641	6.59	59	54.74	27.510	8.03	-93.2	1.0	2.9	6.1
02/03/05	08:00:39	22.08	54.644	6.56	60	54.65	27.443	8.03	-93.1	1.1	2.9	6.2
02/03/05	08:30:39	22.05	54.625	6.57	60	54.54	27.373	8.03	-93.2	1.2	2.9	6.1
02/03/05	09:00:39	22.04	54.567	6.59	60	54.61	27.421	8.03	-93.3	1.1	2.9	6.0
02/03/05	09:30:40	22.04	54.585	6.62	59	54.60	27.412	8.04	-93.4	1.2	2.9	6.1
02/03/05	10:00:39	22.04	54.598	6.61	59	54.74	27.510	8.03	-93.3	1.1	3.0	6.2
02/03/05	10:30:39	22.01	54.607	6.60	59	54.62	27.427	8.04	-93.3	1.2	2.9	6.2
02/03/05	11:00:39	22.02	54.629	6.60	59	54.84	27.574	8.04	-93.3	1.1	3.0	6.4
02/03/05	11:30:39	22.02	54.590	6.59	59	54.71	27.484	8.04	-93.4	1.1	2.9	6.1
02/03/05	12:00:40	22.00	54.608	6.54	59	54.79	27.540	8.03	-93.2	1.2	2.9	6.3
02/03/05	12:30:39	22.00	54.583	6.58	59	54.77	27.525	8.03	-93.3	1.1	2.9	6.1
02/03/05	13:00:39	22.03	54.624	6.60	59	55.03	27.703	8.04	-93.4	1.1	2.9	6.7
02/03/05	13:30:39	22.02	54.616	6.59	60	54.89	27.613	8.04	-93.4	1.3	2.9	7.3
02/03/05	14:00:39	22.04	54.566	6.58	59	55.14	27.781	8.04	-93.4	1.9	2.9	6.2
02/03/05	14:30:40	22.01	54.600	6.55	59	55.21	27.827	8.03	-93.1	3.8	2.9	6.3
02/03/05	15:00:39	22.01	54.743	6.59	59	55.28	27.879	8.03	-93.1	6.2	2.9	6.2
02/03/05	15:30:39	22.05	54.614	6.67	60	55.25	27.861	8.03	-93.2	6.6	3.0	6.2
02/03/05	16:00:39	22.08	54.568	6.68	60	55.24	27.853	8.03	-93.3	7.3	2.9	6.2
02/03/05	16:30:39	22.12	54.577	6.73	60	55.40	27.962	8.03	-93.3	10.5	2.9	6.2
02/03/05	17:00:40	22.14	54.559	6.76	59	55.40	27.959	8.03	-93.3	11.9	2.9	6.2
02/03/05	17:30:39	22.12	54.566	6.74	60	55.41	27.968	8.03	-93.3	8.4	2.9	6.2
02/03/05	18:00:39	22.08	54.569	6.74	60	55.50	28.032	8.03	-93.0	12.7	2.9	6.3
02/03/05	18:30:39	22.08	54.556	6.82	59	55.53	28.048	8.03	-93.0	22.9	2.9	6.1
02/03/05	19:00:39	22.05	54.598	6.79	59	55.47	28.007	8.03	-93.0	13.2	2.9	6.2
02/03/05	19:30:40	22.07	54.562	6.78	59	55.56	28.069	8.03	-93.0	14.6	2.9	6.2
02/03/05	20:00:39	22.02	54.566	6.70	59	55.50	28.030	8.02	-92.8	8.9	2.9	6.1
02/03/05	20:30:39	21.99	54.525	6.67	59	55.58	28.084	8.02	-92.7	8.2	3.0	6.1
02/03/05	21:00:39	21.96	54.539	6.65	59	55.55	28.067	8.02	-92.7	5.4	2.8	6.1
02/03/05	21:30:39	21.93	54.534	6.57	59	55.44	27.991	8.02	-92.5	6.6	2.9	6.2
02/03/05	22:00:40	21.87	54.543	6.55	59	55.46	28.000	8.02	-92.5	5.7	3.0	6.2
02/03/05	22:30:39	21.89	54.518	6.54	59	55.39	27.953	8.02	-92.6	3.3	2.9	6.3
02/03/05	23:00:39	21.92	54.523	6.54	60	55.52	28.045	8.03	-92.8	2.4	2.8	6.3
02/03/05	23:30:39	21.92	54.622	6.58	59	55.52	28.039	8.03	-93.0	1.9	2.9	6.2
02/04/05	00:00:39	21.92	54.539	6.56	59	55.49	28.020	8.03	-93.0	1.2	2.8	5.9
02/04/05	00:30:40	21.91	54.513	6.55	60	55.48	28.017	8.03	-93.1	1.1	2.9	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/04/05	01:00:39	21.89	54.946	6.53	60	55.42	27.968	8.03	-93.1	1.2	2.9	6.1
02/04/05	01:30:39	21.88	54.557	6.53	59	55.39	27.951	8.03	-93.1	1.1	3.0	6.1
02/04/05	02:00:39	21.86	54.547	6.49	59	55.39	27.951	8.03	-93.0	1.1	2.9	6.4
02/04/05	02:30:39	21.80	54.500	6.49	59	55.31	27.902	8.03	-92.9	1.1	3.0	6.1
02/04/05	03:00:40	21.79	54.692	6.42	59	55.26	27.861	8.03	-92.8	1.2	2.9	6.1
02/04/05	03:30:39	21.78	54.755	6.44	59	55.16	27.792	8.03	-93.0	1.2	2.8	6.1
02/04/05	04:00:39	21.77	54.529	6.51	59	55.09	27.746	8.03	-93.1	1.2	3.0	6.2
02/04/05	04:30:39	21.75	54.500	6.49	59	55.00	27.687	8.03	-93.0	1.2	2.9	6.2
02/04/05	05:00:39	21.70	54.459	6.51	59	55.11	27.758	8.03	-93.1	1.2	2.8	6.1
02/04/05	05:30:39	21.66	54.440	6.52	59	54.90	27.615	8.03	-93.1	1.1	2.8	6.3
02/04/05	06:00:39	21.68	54.774	6.51	59	54.80	27.543	8.03	-93.1	1.0	2.9	6.0
02/04/05	06:30:39	21.68	54.712	6.47	59	54.84	27.571	8.03	-93.0	1.1	2.9	6.2
02/04/05	07:00:39	21.74	54.448	6.50	59	54.75	27.515	8.03	-93.2	1.2	2.9	6.2
02/04/05	07:30:39	21.71	54.467	6.48	59	54.71	27.486	8.03	-93.1	1.2	2.9	6.4
02/04/05	08:00:39	21.63	54.556	6.45	60	54.59	27.404	8.03	-93.0	1.1	2.9	6.1
02/04/05	08:30:39	21.63	54.940	6.44	59	54.58	27.393	8.03	-93.0	1.2	2.8	6.1
02/04/05	09:00:39	21.66	54.956	6.40	59	54.57	27.381	8.03	-93.0	1.0	2.8	6.1
02/04/05	09:30:39	21.65	54.718	6.40	59	54.50	27.339	8.03	-92.8	1.1	2.8	6.1
02/04/05	10:00:39	21.65	54.571	6.40	59	54.49	27.333	8.03	-93.0	1.1	2.9	6.2
02/04/05	10:30:39	21.67	54.592	6.39	59	54.65	27.442	8.03	-93.0	1.1	2.9	6.2
02/04/05	11:00:39	21.69	54.258	6.42	59	54.48	27.333	8.03	-93.0	1.1	2.9	6.2
02/04/05	11:30:39	21.71	54.127	6.41	59	54.59	27.411	8.03	-93.0	1.1	3.0	6.2
02/04/05	12:00:39	21.64	54.831	6.44	59	54.57	27.384	8.03	-93.0	1.2	2.9	6.3
02/04/05	12:30:39	21.59	54.664	6.43	59	54.65	27.439	8.03	-93.0	1.1	2.9	6.1
02/04/05	13:00:39	21.58	54.732	6.44	59	54.73	27.496	8.03	-93.1	1.2	2.9	6.2
02/04/05	13:30:39	21.57	54.444	6.47	59	54.89	27.608	8.03	-93.1	2.2	2.8	6.2
02/04/05	14:00:39	21.61	54.356	6.47	59	54.77	27.529	8.03	-93.2	3.6	3.0	6.2
02/04/05	14:30:39	21.60	54.381	6.52	59	54.93	27.640	8.03	-93.1	8.7	2.9	6.1
02/04/05	15:00:40	21.62	54.378	6.55	59	55.01	27.693	8.03	-93.1	10.4	2.8	6.1
02/04/05	15:30:39	21.61	54.367	6.60	59	55.13	27.775	8.03	-93.0	13.0	2.9	6.2
02/04/05	16:00:39	21.62	54.380	6.61	59	55.24	27.854	8.03	-92.8	13.3	2.9	6.1
02/04/05	16:30:39	21.71	54.500	6.58	59	55.30	27.893	8.03	-92.8	15.5	3.0	6.1
02/04/05	17:00:39	21.77	54.405	6.60	59	55.32	27.909	8.02	-92.6	19.9	3.0	6.2
02/04/05	17:30:40	21.84	54.445	6.68	59	55.34	27.921	8.02	-92.5	36.6	2.9	6.2
02/04/05	18:00:39	21.89	54.463	6.63	59	55.41	27.967	8.02	-92.2	26.1	3.0	6.1
02/04/05	18:30:39	21.92	54.461	6.65	59	55.51	28.036	8.01	-92.0	27.8	2.9	6.2
02/04/05	19:00:39	21.89	54.804	6.52	58	55.50	28.021	8.00	-91.6	21.9	2.9	5.9
02/04/05	19:30:39	21.87	54.886	6.41	59	55.49	28.017	8.00	-91.4	21.6	2.9	6.1
02/04/05	20:00:40	21.92	54.985	6.57	59	55.53	28.046	8.00	-91.6	22.8	2.9	6.1
02/04/05	20:30:39	22.00	54.915	6.46	59	55.54	28.055	8.01	-91.7	14.8	2.9	6.1
02/04/05	21:00:39	21.83	54.810	6.23	59	55.56	28.066	7.99	-90.9	17.5	3.0	6.1
02/04/05	21:30:39	21.79	54.911	6.11	58	55.63	28.109	7.99	-90.6	7.8	2.9	6.1
02/04/05	22:00:39	21.82	54.681	6.38	60	55.51	28.037	8.00	-91.5	5.5	2.9	6.2
02/04/05	22:30:40	22.09	54.621	6.66	60	55.54	28.058	8.02	-92.8	10.7	3.0	6.2
02/04/05	23:00:39	22.24	54.665	6.76	61	55.49	28.024	8.03	-93.3	4.2	2.9	6.2
02/04/05	23:30:39	22.20	54.683	6.71	61	55.53	28.053	8.03	-93.0	2.3	2.8	5.9
02/05/05	00:00:39	22.11	54.688	6.58	60	55.53	28.051	8.02	-92.7	1.2	2.8	6.2
02/05/05	00:30:39	22.06	54.700	6.62	60	55.51	28.036	8.03	-93.0	1.1	3.0	6.3
02/05/05	01:00:40	22.05	54.673	6.64	60	55.48	28.015	8.03	-93.2	1.2	2.9	6.1
02/05/05	01:30:39	22.04	54.733	6.69	60	55.50	28.030	8.03	-93.1	1.1	3.0	6.1
02/05/05	02:00:39	21.97	54.681	6.60	60	55.45	27.993	8.03	-93.1	1.1	2.9	6.1
02/05/05	02:30:39	21.87	54.658	6.55	60	55.40	27.956	8.03	-93.0	1.0	2.9	6.0
02/05/05	03:00:39	21.82	54.903	6.51	60	55.39	27.948	8.03	-92.8	1.2	2.9	6.2
02/05/05	03:30:40	21.67	54.760	6.45	59	55.37	27.935	8.02	-92.7	1.2	2.9	6.1
02/05/05	04:00:39	21.65	54.826	6.47	60	55.33	27.907	8.02	-92.7	1.2	2.9	6.2
02/05/05	04:30:39	21.63	55.000	6.45	60	55.27	27.864	8.02	-92.6	1.1	2.9	6.1
02/05/05	05:00:39	21.62	54.635	6.49	60	55.21	27.829	8.03	-92.8	1.1	2.9	6.2
02/05/05	05:30:39	21.62	54.705	6.49	60	55.13	27.771	8.03	-93.0	1.0	2.9	6.0
02/05/05	06:00:40	21.57	54.847	6.48	59	55.14	27.772	8.03	-92.8	1.0	2.9	7.1
02/05/05	06:30:39	21.56	54.731	6.42	59	55.00	27.682	8.02	-92.7	1.1	2.9	6.1
02/05/05	07:00:39	21.58	54.835	6.46	60	54.97	27.656	8.03	-92.7	1.1	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/05/05	07:30:39	21.62	54.687	6.48	60	54.88	27.598	8.03	-93.0	1.1	2.9	6.2
02/05/05	08:00:39	21.65	54.801	6.46	59	54.85	27.578	8.03	-92.8	1.1	3.0	6.1
02/05/05	08:30:40	21.70	55.117	6.51	59	54.72	27.482	8.03	-93.1	1.1	2.9	6.2
02/05/05	09:00:39	21.71	55.118	6.49	59	54.69	27.462	8.03	-93.1	1.1	2.9	6.1
02/05/05	09:30:39	21.75	54.955	6.51	60	54.72	27.485	8.04	-93.3	1.1	3.0	6.1
02/05/05	10:00:39	21.72	54.655	6.53	60	54.63	27.430	8.03	-93.3	1.2	2.9	6.1
02/05/05	10:30:39	21.70	54.618	6.51	60	54.63	27.426	8.03	-93.1	1.1	3.0	6.2
02/05/05	11:00:40	21.59	54.620	6.38	59	54.59	27.399	8.02	-92.7	1.1	2.9	6.1
02/05/05	11:30:39	21.48	54.583	6.35	59	54.63	27.427	8.02	-92.5	1.2	3.0	6.3
02/05/05	12:00:39	21.37	54.578	6.33	59	54.70	27.477	8.02	-92.5	1.1	2.9	6.2
02/05/05	12:30:39	21.33	54.588	6.39	59	54.72	27.488	8.03	-92.7	1.2	2.9	6.6
02/05/05	13:00:39	21.39	54.577	6.45	59	54.78	27.531	8.03	-92.9	1.2	2.8	6.3
02/05/05	13:30:40	21.42	54.577	6.45	59	54.84	27.570	8.03	-93.1	2.1	3.0	6.5
02/05/05	14:00:39	21.45	54.611	6.53	59	54.89	27.606	8.03	-93.1	6.7	2.9	6.5
02/05/05	14:30:39	21.41	54.509	6.58	59	55.03	27.700	8.03	-93.0	9.6	2.9	6.6
02/05/05	15:00:39	21.43	54.607	6.62	59	55.08	27.739	8.03	-93.0	12.5	2.9	6.5
02/05/05	15:30:39	21.51	54.628	6.60	60	55.20	27.817	8.03	-92.9	11.4	2.9	6.3
02/05/05	16:00:40	21.57	54.575	6.69	59	55.28	27.878	8.03	-93.0	27.1	2.9	6.4
02/05/05	16:30:39	21.60	54.599	6.72	60	55.33	27.907	8.03	-93.0	22.1	3.0	6.3
02/05/05	17:00:39	21.57	54.633	6.69	59	55.36	27.932	8.02	-92.7	12.3	2.9	6.3
02/05/05	17:30:39	21.59	54.636	6.73	59	55.50	28.026	8.03	-92.8	8.5	2.9	6.3
02/05/05	18:00:39	21.52	54.623	6.74	59	55.56	28.064	8.02	-92.5	28.4	2.9	6.3
02/05/05	18:30:39	21.47	54.590	6.71	60	55.58	28.078	8.02	-92.3	33.5	2.9	6.3
02/05/05	19:00:39	21.47	54.599	6.78	59	55.58	28.082	8.02	-92.2	41.2	3.0	6.5
02/05/05	19:30:39	21.46	54.750	6.93	59	55.60	28.095	8.02	-92.3	63.6	2.9	6.7
02/05/05	20:00:39	21.42	55.020	6.61	59	55.64	28.115	8.01	-91.8	13.5	2.9	6.5
02/05/05	20:30:39	21.43	54.949	6.51	59	55.66	28.126	8.01	-91.8	7.4	2.9	6.4
02/05/05	21:00:39	21.38	55.091	6.46	59	55.64	28.111	8.01	-91.8	9.2	2.9	6.5
02/05/05	21:30:39	21.35	55.083	6.41	59	55.67	28.133	8.01	-91.6	10.8	2.8	6.4
02/05/05	22:00:39	21.36	54.998	6.44	59	55.62	28.102	8.01	-91.7	9.7	2.9	6.4
02/05/05	22:30:39	21.36	54.635	6.52	59	55.61	28.098	8.01	-91.9	9.8	3.0	6.4
02/05/05	23:00:39	21.36	54.633	6.55	59	55.59	28.087	8.01	-92.0	11.7	2.9	6.1
02/05/05	23:30:39	21.40	54.634	6.50	59	55.60	28.094	8.02	-92.3	2.7	2.9	6.3
02/06/05	00:00:39	21.43	54.600	6.53	59	55.55	28.060	8.02	-92.7	1.4	2.9	6.3
02/06/05	00:30:39	21.47	54.637	6.52	59	55.51	28.029	8.03	-92.8	1.0	2.9	6.2
02/06/05	01:00:39	21.54	54.635	6.60	59	55.50	28.021	8.03	-93.1	1.1	2.9	6.2
02/06/05	01:30:40	21.59	54.211	6.64	59	55.49	28.023	8.04	-93.3	1.0	2.9	6.1
02/06/05	02:00:39	21.60	54.595	6.63	60	55.47	28.003	8.04	-93.3	1.1	2.9	6.2
02/06/05	02:30:39	21.63	54.590	6.63	59	55.41	27.962	8.04	-93.4	1.1	3.0	6.2
02/06/05	03:00:39	21.61	54.643	6.58	60	55.34	27.916	8.04	-93.3	1.2	2.9	6.2
02/06/05	03:30:39	21.55	54.649	6.55	59	55.32	27.898	8.03	-93.0	1.1	2.9	6.2
02/06/05	04:00:40	21.52	54.576	6.52	60	55.26	27.861	8.03	-93.0	1.1	2.9	6.4
02/06/05	04:30:39	21.59	54.628	6.52	59	55.18	27.809	8.03	-93.2	1.1	3.0	6.8
02/06/05	05:00:39	21.62	54.602	6.54	59	55.15	27.784	8.03	-93.2	1.2	2.9	6.2
02/06/05	05:30:39	21.59	54.612	6.49	59	55.09	27.746	8.03	-93.1	1.2	2.9	6.2
02/06/05	06:00:39	21.57	54.692	6.47	59	55.08	27.734	8.03	-93.0	1.1	3.0	6.1
02/06/05	06:30:40	21.53	54.599	6.43	58	54.94	27.643	8.03	-92.8	1.1	3.0	6.2
02/06/05	07:00:39	21.51	54.595	6.44	59	54.80	27.547	8.03	-92.8	1.2	2.9	6.1
02/06/05	07:30:39	21.52	54.753	6.45	59	54.83	27.560	8.03	-93.0	1.1	2.9	6.2
02/06/05	08:00:39	21.52	54.614	6.42	59	54.81	27.554	8.03	-92.9	1.1	2.9	6.2
02/06/05	08:30:39	21.42	54.861	6.26	59	54.67	27.450	8.02	-92.2	1.1	2.9	6.2
02/06/05	09:00:40	21.42	54.625	6.22	59	54.65	27.439	8.01	-92.1	1.2	2.9	6.2
02/06/05	09:30:39	21.46	54.607	6.19	59	54.50	27.341	8.01	-92.1	1.2	3.0	6.4
02/06/05	10:00:39	21.57	54.644	6.28	59	54.56	27.382	8.02	-92.5	1.1	2.9	6.2
02/06/05	10:30:39	21.66	54.616	6.35	59	54.49	27.334	8.02	-92.7	1.2	2.9	6.1
02/06/05	11:00:39	21.70	55.171	6.36	59	54.51	27.340	8.03	-92.8	1.1	3.0	6.1
02/06/05	11:30:40	21.72	54.575	6.42	59	54.31	27.210	8.03	-92.8	1.1	2.9	6.0
02/06/05	12:00:39	21.72	54.467	6.45	59	54.46	27.315	8.03	-93.0	1.1	2.9	6.1
02/06/05	12:30:39	21.73	54.687	6.47	60	54.55	27.373	8.03	-93.0	1.2	2.9	6.1
02/06/05	13:00:39	21.75	54.718	6.48	59	54.50	27.342	8.03	-93.0	1.3	2.9	6.0
02/06/05	13:30:39	21.78	54.580	6.52	59	54.83	27.565	8.03	-93.1	2.3	2.9	5.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/06/05	14:00:39	21.80	54.640	6.58	59	54.65	27.443	8.03	-93.3	2.9	2.9	6.2
02/06/05	14:30:39	21.80	54.639	6.60	60	54.79	27.543	8.03	-93.1	6.2	2.8	6.1
02/06/05	15:00:39	21.81	54.679	6.68	59	55.00	27.686	8.03	-93.1	14.2	2.9	6.0
02/06/05	15:30:39	21.79	54.642	6.67	59	54.99	27.679	8.03	-92.9	10.7	3.0	6.1
02/06/05	16:00:39	21.80	54.617	6.70	60	55.23	27.841	8.03	-93.0	10.8	2.9	6.1
02/06/05	16:30:39	21.79	54.630	6.77	60	55.09	27.743	8.03	-92.9	28.9	2.9	6.2
02/06/05	17:00:39	21.78	54.629	6.79	60	55.35	27.924	8.03	-92.8	21.7	2.9	6.2
02/06/05	17:30:39	21.75	54.595	6.80	60	55.41	27.966	8.02	-92.7	25.6	3.0	6.2
02/06/05	18:00:39	21.73	54.592	6.76	60	55.50	28.029	8.02	-92.5	18.0	3.0	6.1
02/06/05	18:30:39	21.73	54.706	6.84	60	55.69	28.156	8.02	-92.6	34.8	3.0	6.1
02/06/05	19:00:39	21.74	54.631	6.93	59	55.55	28.060	8.02	-92.7	38.2	2.9	6.1
02/06/05	19:30:39	21.76	54.672	6.89	60	55.62	28.109	8.02	-92.7	29.3	2.8	6.1
02/06/05	20:00:39	21.76	54.579	6.93	59	55.69	28.155	8.02	-92.7	25.0	2.9	7.7
02/06/05	20:30:39	21.77	54.698	6.86	59	55.73	28.181	8.02	-92.6	16.5	2.9	6.0
02/06/05	21:00:40	21.76	54.599	6.91	59	55.86	28.272	8.02	-92.7	25.9	2.9	6.1
02/06/05	21:30:39	21.76	54.695	6.88	60	55.81	28.235	8.02	-92.6	18.6	3.0	6.2
02/06/05	22:00:39	21.77	54.781	6.84	60	55.83	28.254	8.02	-92.5	14.0	3.0	6.1
02/06/05	22:30:39	21.77	54.627	6.77	58	55.77	28.216	8.02	-92.5	6.9	2.8	6.2
02/06/05	23:00:39	21.75	54.584	6.69	59	55.76	28.205	8.02	-92.5	6.0	2.9	6.0
02/06/05	23:30:40	21.73	54.565	6.61	59	55.77	28.216	8.02	-92.3	3.8	3.0	6.1
02/07/05	00:00:39	21.72	54.592	6.58	59	55.86	28.274	8.02	-92.4	1.7	2.9	6.2
02/07/05	00:30:39	21.72	54.583	6.58	59	55.79	28.227	8.02	-92.7	1.1	2.9	6.1
02/07/05	01:00:39	21.71	55.029	6.50	59	55.59	28.085	8.02	-92.5	1.1	2.9	6.1
02/07/05	01:30:39	21.72	54.637	6.52	59	55.85	28.265	8.02	-92.6	1.0	2.9	6.2
02/07/05	02:00:40	21.73	54.598	6.53	59	55.76	28.204	8.02	-92.7	1.2	3.0	6.2
02/07/05	02:30:39	21.73	54.618	6.53	59	55.83	28.255	8.02	-92.7	1.1	2.9	6.1
02/07/05	03:00:39	21.73	54.616	6.50	59	55.76	28.207	8.03	-92.8	1.0	2.9	6.2
02/07/05	03:30:39	21.74	54.550	6.57	60	55.66	28.136	8.03	-93.0	1.1	2.9	6.1
02/07/05	04:00:39	21.73	54.621	6.55	60	55.81	28.237	8.03	-93.0	1.1	2.9	6.2
02/07/05	04:30:40	21.72	54.609	6.52	60	55.41	27.964	8.03	-92.8	1.1	2.8	6.2
02/07/05	05:00:39	21.74	54.600	6.54	59	55.32	27.906	8.03	-92.8	1.1	2.9	6.2
02/07/05	05:30:39	21.73	54.588	6.52	59	55.42	27.971	8.03	-92.8	1.1	2.9	6.2
02/07/05	06:00:39	21.72	55.128	6.46	59	55.39	27.941	8.03	-92.8	1.1	2.9	5.9
02/07/05	06:30:39	21.72	54.576	6.50	59	55.28	27.879	8.03	-93.0	1.0	2.9	6.0
02/07/05	07:00:40	21.72	55.147	6.51	59	55.18	27.797	8.03	-93.0	1.1	2.9	6.1
02/07/05	07:30:39	21.70	54.556	6.51	60	55.22	27.834	8.03	-92.9	1.2	2.9	6.0
02/07/05	08:00:39	21.69	54.579	6.50	59	54.96	27.653	8.03	-92.8	1.2	2.9	6.0
02/07/05	08:30:39	21.68	54.572	6.50	59	54.88	27.600	8.03	-92.9	1.2	2.9	6.2
02/07/05	09:00:39	21.69	54.572	6.52	60	54.72	27.494	8.03	-93.0	1.1	2.9	6.0
02/07/05	09:30:39	21.67	54.755	6.50	59	54.76	27.516	8.03	-92.9	1.1	2.9	6.1
02/07/05	10:00:39	21.66	54.914	6.49	59	54.55	27.369	8.03	-92.9	1.1	3.0	6.1
02/07/05	10:30:39	21.65	54.361	6.52	59	54.52	27.358	8.03	-92.9	1.1	2.9	6.0
02/07/05	11:00:39	21.63	54.589	6.44	59	54.54	27.366	8.02	-92.7	1.1	2.8	6.1
02/07/05	11:30:39	21.50	54.562	6.28	59	54.37	27.248	8.02	-92.2	1.2	2.8	6.4
02/07/05	12:00:39	21.41	54.801	6.14	58	54.41	27.275	8.01	-91.7	1.1	2.8	6.1
02/07/05	12:30:39	21.42	54.544	6.12	59	54.37	27.251	8.01	-91.7	1.0	2.8	6.1
02/07/05	13:00:39	21.41	54.533	6.14	59	54.34	27.229	8.01	-91.9	1.6	2.8	6.1
02/07/05	13:30:39	21.40	54.533	6.21	58	54.42	27.281	8.01	-91.9	5.8	2.9	6.2
02/07/05	14:00:39	21.41	54.546	6.25	59	54.34	27.227	8.01	-91.9	8.9	2.9	6.2
02/07/05	14:30:39	21.45	54.531	6.33	58	54.53	27.359	8.01	-91.9	16.6	2.9	6.2
02/07/05	15:00:39	21.48	54.533	6.41	59	54.51	27.343	8.01	-92.0	23.2	2.9	6.4
02/07/05	15:30:39	21.41	54.844	6.39	59	54.61	27.407	8.01	-91.7	30.4	2.9	6.2
02/07/05	16:00:39	21.45	54.544	6.52	59	54.75	27.514	8.01	-91.9	40.9	2.8	6.2
02/07/05	16:30:40	21.59	54.528	6.62	59	54.70	27.475	8.02	-92.3	17.8	3.0	6.1
02/07/05	17:00:39	21.71	54.531	6.85	59	54.76	27.522	8.03	-92.8	40.4	2.8	6.2
02/07/05	17:30:39	21.76	54.539	6.92	59	55.01	27.692	8.03	-93.0	36.1	2.9	6.1
02/07/05	18:00:39	21.79	54.544	6.89	59	55.09	27.747	8.03	-92.9	18.9	3.0	6.1
02/07/05	18:30:39	21.78	54.532	7.00	60	55.20	27.821	8.03	-92.8	32.8	3.0	6.1
02/07/05	19:00:40	21.82	54.555	6.97	59	55.17	27.803	8.03	-92.9	31.8	2.8	6.1
02/07/05	19:30:39	21.82	54.561	6.97	59	55.34	27.917	8.03	-92.8	32.8	2.9	6.1
02/07/05	20:00:39	21.79	54.542	6.93	59	55.35	27.926	8.02	-92.7	26.1	2.8	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/07/05	20:30:39	21.76	54.540	6.89	59	55.37	27.936	8.02	-92.5	23.3	3.0	6.2
02/07/05	21:00:39	21.75	54.544	6.84	60	55.49	28.024	8.02	-92.5	16.5	2.9	6.1
02/07/05	21:30:40	21.74	55.019	6.77	59	55.56	28.061	8.02	-92.5	11.0	2.9	6.1
02/07/05	22:00:39	21.74	54.530	6.74	59	55.52	28.044	8.02	-92.5	7.9	3.0	6.1
02/07/05	22:30:39	21.72	54.547	6.68	59	55.40	27.961	8.02	-92.5	7.4	3.0	6.1
02/07/05	23:00:39	21.73	54.511	6.66	59	55.56	28.070	8.02	-92.5	5.6	2.9	6.2
02/07/05	23:30:39	21.74	54.543	6.62	59	55.38	27.947	8.02	-92.6	2.5	3.0	6.0
02/08/05	00:00:40	21.77	54.590	6.59	59	55.54	28.057	8.02	-92.7	1.5	2.9	6.1
02/08/05	00:30:39	21.78	54.525	6.57	58	55.55	28.063	8.02	-92.7	1.1	3.0	6.2
02/08/05	01:00:39	21.78	54.931	6.54	59	55.59	28.082	8.02	-92.7	1.2	3.0	6.2
02/08/05	01:30:39	21.80	54.558	6.52	59	55.57	28.078	8.03	-92.8	1.2	2.9	1380.8
02/08/05	02:00:39	21.82	54.526	6.51	59	55.47	28.009	8.03	-92.8	1.2	2.9	6.2
02/08/05	02:30:40	21.83	54.720	6.49	59	55.53	28.044	8.03	-92.8	1.1	2.9	6.0
02/08/05	03:00:39	21.86	54.592	6.51	60	55.55	28.063	8.03	-92.8	1.1	3.0	6.1
02/08/05	03:30:39	21.91	54.645	6.55	59	55.71	28.175	8.03	-93.2	1.2	2.9	6.1
02/08/05	04:00:39	21.95	54.608	6.61	59	55.54	28.057	8.03	-93.3	1.1	2.9	6.1
02/08/05	04:30:39	21.95	54.574	6.59	60	55.62	28.115	8.03	-93.1	1.2	2.9	6.2
02/08/05	05:00:39	21.97	54.536	6.58	59	55.54	28.057	8.03	-93.2	1.2	2.9	6.2
02/08/05	05:30:39	21.97	54.566	6.56	59	55.61	28.104	8.03	-93.1	1.2	3.0	6.1
02/08/05	06:00:39	22.00	54.528	6.56	60	55.53	28.048	8.03	-93.0	1.1	3.0	6.1
02/08/05	06:30:39	22.00	54.553	6.53	59	55.39	27.958	8.03	-93.1	1.2	3.1	6.0
02/08/05	07:00:39	22.00	54.523	6.51	59	55.50	28.028	8.03	-93.0	1.1	2.8	5.9
02/08/05	07:30:39	21.99	54.529	6.50	59	55.23	27.844	8.03	-92.9	1.0	2.9	5.9
02/08/05	08:00:39	21.98	54.541	6.45	59	55.35	27.930	8.03	-92.8	1.2	3.0	6.1
02/08/05	08:30:39	21.97	54.651	6.49	59	55.23	27.840	8.03	-92.9	1.1	2.9	6.0
02/08/05	09:00:39	21.94	54.652	6.50	59	55.10	27.756	8.03	-92.9	1.1	2.9	6.1
02/08/05	09:30:39	21.92	55.106	6.48	59	55.01	27.686	8.03	-92.9	1.1	2.9	5.9
02/08/05	10:00:39	21.90	54.545	6.46	59	54.85	27.583	8.02	-92.8	1.1	2.9	5.9
02/08/05	10:30:39	21.88	54.575	6.45	59	55.11	27.759	8.02	-92.8	1.2	2.9	6.0
02/08/05	11:00:39	21.88	54.583	6.41	59	54.77	27.527	8.02	-92.6	1.1	2.9	6.1
02/08/05	11:30:39	21.89	54.535	6.43	59	54.75	27.513	8.02	-92.7	1.2	2.9	6.1
02/08/05	12:00:40	21.90	54.535	6.46	59	54.67	27.457	8.03	-92.8	1.1	2.9	6.1
02/08/05	12:30:39	21.92	54.606	6.48	60	54.65	27.444	8.03	-92.9	1.2	2.9	6.0
02/08/05	13:00:39	21.93	54.444	6.50	59	54.62	27.426	8.03	-92.9	1.9	2.9	6.1
02/08/05	13:30:39	21.94	54.500	6.52	59	54.61	27.418	8.03	-92.8	5.9	2.9	6.1
02/08/05	14:00:39	21.96	54.525	6.57	59	54.49	27.334	8.03	-92.8	11.3	3.0	6.0
02/08/05	14:30:40	21.97	54.577	6.57	59	54.58	27.401	8.02	-92.7	11.2	2.9	6.1
02/08/05	15:00:39	21.98	54.563	6.63	59	54.65	27.444	8.02	-92.6	18.4	2.9	6.1
02/08/05	15:30:39	21.99	54.526	6.71	60	54.76	27.522	8.02	-92.5	31.5	3.0	6.1
02/08/05	16:00:39	22.00	54.554	6.70	59	54.85	27.584	8.02	-92.4	21.9	2.8	5.9
02/08/05	16:30:39	22.03	54.535	6.78	60	54.69	27.476	8.02	-92.5	38.3	2.9	11.5
02/08/05	17:00:40	22.04	54.616	6.88	59	54.96	27.658	8.02	-92.5	38.6	2.9	8.7
02/08/05	17:30:39	22.03	54.550	6.93	59	55.00	27.690	8.02	-92.6	59.0	2.8	6.1
02/08/05	18:00:39	22.02	54.531	6.93	60	55.10	27.753	8.02	-92.5	45.6	2.9	6.1
02/08/05	18:30:39	22.03	54.520	6.99	59	55.14	27.785	8.02	-92.6	48.1	2.9	6.3
02/08/05	19:00:39	22.00	54.506	6.97	59	55.22	27.837	8.02	-92.4	44.0	3.0	6.2
02/08/05	19:30:40	22.02	54.525	6.99	60	55.38	27.946	8.02	-92.5	37.0	3.0	6.9
02/08/05	20:00:39	22.03	54.480	7.08	59	55.42	27.974	8.02	-92.6	45.3	2.9	6.1
02/08/05	20:30:39	22.02	54.519	7.02	60	55.49	28.024	8.02	-92.5	39.8	3.0	6.2
02/08/05	21:00:39	22.01	54.507	7.08	59	55.54	28.062	8.02	-92.5	40.1	3.0	6.1
02/08/05	21:30:39	22.02	54.697	6.97	59	55.59	28.089	8.02	-92.5	21.7	2.9	6.1
02/08/05	22:00:40	22.03	54.575	6.89	60	55.57	28.075	8.02	-92.6	15.4	2.8	6.0
02/08/05	22:30:39	22.02	54.496	6.89	59	55.62	28.116	8.02	-92.5	14.1	2.9	6.1
02/08/05	23:00:39	22.02	54.500	6.81	59	55.65	28.136	8.02	-92.5	8.5	2.9	6.0
02/08/05	23:30:39	22.02	54.526	6.71	59	55.68	28.151	8.02	-92.5	4.0	2.9	6.0
02/09/05	00:00:39	22.02	54.512	6.65	59	55.65	28.137	8.02	-92.5	1.5	2.9	6.0
02/09/05	00:30:39	22.03	54.494	6.61	59	55.67	28.148	8.03	-92.8	1.1	2.8	6.1
02/09/05	01:00:39	22.03	54.462	6.62	59	55.62	28.111	8.02	-92.7	1.2	2.9	6.1
02/09/05	01:30:39	22.03	54.593	6.60	59	55.66	28.136	8.03	-92.8	1.1	3.0	6.1
02/09/05	02:00:39	22.02	54.514	6.58	59	55.71	28.174	8.03	-92.8	1.0	2.8	6.0
02/09/05	02:30:39	22.00	54.510	6.55	59	55.69	28.163	8.02	-92.7	1.1	2.9	6.1

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/09/05	03:00:39	22.00	54.832	6.49	59	55.66	28.135	8.02	-92.7	1.2	2.9	6.0
02/09/05	03:30:39	22.01	54.683	6.53	59	55.65	28.134	8.03	-92.9	1.0	2.9	6.2
02/09/05	04:00:39	22.01	54.521	6.49	59	55.63	28.123	8.03	-92.8	1.1	2.9	6.1
02/09/05	04:30:39	22.01	54.508	6.49	59	55.47	28.009	8.03	-92.8	1.1	2.9	6.2
02/09/05	05:00:39	22.02	54.505	6.51	59	55.51	28.038	8.03	-92.9	1.1	2.9	6.0
02/09/05	05:30:39	22.04	54.531	6.52	59	55.50	28.032	8.03	-93.0	1.1	2.9	6.0
02/09/05	06:00:39	22.05	54.506	6.52	60	55.44	27.993	8.03	-93.1	1.0	2.9	6.0
02/09/05	06:30:39	22.05	54.496	6.51	59	55.43	27.986	8.03	-93.0	1.2	3.0	6.0
02/09/05	07:00:39	22.05	54.666	6.49	59	55.48	28.015	8.03	-92.9	1.1	2.9	6.0
02/09/05	07:30:40	22.04	54.610	6.41	59	55.39	27.957	8.02	-92.8	1.1	2.9	6.0
02/09/05	08:00:39	22.04	54.528	6.45	58	55.32	27.907	8.03	-92.8	1.1	2.8	6.0
02/09/05	08:30:39	22.00	54.507	6.40	59	55.24	27.852	8.02	-92.7	1.2	2.9	5.9
02/09/05	09:00:39	21.98	54.845	6.40	59	55.24	27.848	8.02	-92.7	1.0	2.9	6.0
02/09/05	09:30:39	21.99	55.120	6.44	60	55.15	27.783	8.03	-92.8	1.2	2.9	6.1
02/09/05	10:00:40	21.99	55.118	6.43	59	55.11	27.756	8.03	-92.9	1.1	2.8	6.1
02/09/05	10:30:39	21.99	55.047	6.41	59	54.85	27.578	8.03	-92.8	1.2	3.0	6.1
02/09/05	11:00:39	21.99	54.579	6.43	59	54.96	27.660	8.03	-92.8	1.1	2.8	6.1
02/09/05	11:30:39	21.99	54.553	6.45	59	54.82	27.560	8.03	-92.9	1.0	3.0	6.0
02/09/05	12:00:39	21.98	54.524	6.44	59	54.67	27.463	8.03	-92.8	1.1	3.0	6.0
02/09/05	12:30:40	21.99	54.522	6.45	59	54.71	27.488	8.03	-93.1	1.1	2.9	6.1
02/09/05	13:00:39	22.02	54.513	6.51	59	54.64	27.442	8.03	-93.1	1.7	2.9	6.1
02/09/05	13:30:39	22.02	54.476	6.53	59	54.62	27.424	8.03	-93.1	5.2	3.0	6.0
02/09/05	14:00:39	22.03	54.469	6.60	59	54.65	27.445	8.03	-93.0	12.3	2.9	6.0
02/09/05	14:30:39	22.03	54.500	6.65	59	54.62	27.425	8.03	-93.0	17.7	3.0	6.2
02/09/05	15:00:40	22.03	54.485	6.73	59	54.58	27.396	8.03	-92.9	35.0	2.9	6.1
02/09/05	15:30:39	22.03	54.482	6.73	60	54.65	27.449	8.03	-92.8	33.4	2.9	6.2
02/09/05	16:00:39	22.00	54.481	6.78	59	54.62	27.424	8.02	-92.7	42.3	2.8	6.2
02/09/05	16:30:39	21.99	54.592	6.82	59	54.70	27.479	8.02	-92.7	46.9	2.9	6.2
02/09/05	17:00:39	21.98	54.498	6.92	60	54.74	27.506	8.02	-92.7	53.3	3.0	6.2
02/09/05	17:30:40	21.97	54.514	6.90	59	54.78	27.537	8.02	-92.7	27.1	2.9	6.1
02/09/05	18:00:39	21.97	54.505	6.87	59	54.94	27.645	8.02	-92.6	21.8	2.9	6.5
02/09/05	18:30:39	21.97	54.501	7.01	59	55.03	27.705	8.02	-92.7	48.5	3.0	6.0
02/09/05	19:00:39	21.97	54.463	7.05	59	55.03	27.707	8.02	-92.7	65.6	3.0	6.1
02/09/05	19:30:39	21.96	54.489	6.92	59	55.10	27.754	8.02	-92.6	24.8	3.0	6.2
02/09/05	20:00:39	21.96	54.777	6.82	59	55.23	27.843	8.02	-92.5	14.4	2.9	6.2
02/09/05	20:30:39	21.97	54.798	6.91	59	55.31	27.895	8.02	-92.6	29.1	2.8	6.2
02/09/05	21:00:39	21.97	54.980	6.79	60	55.31	27.890	8.02	-92.5	17.8	2.9	6.1
02/09/05	21:30:39	21.97	54.803	6.73	59	55.39	27.953	8.02	-92.6	7.1	2.8	6.1
02/09/05	22:00:39	21.98	54.833	6.71	59	55.43	27.978	8.02	-92.5	10.8	2.9	6.1
02/09/05	22:30:39	21.99	54.839	6.71	59	55.53	28.043	8.02	-92.6	5.8	2.9	6.5
02/09/05	23:00:39	21.99	54.623	6.62	59	55.50	28.030	8.02	-92.6	4.2	2.9	6.1
02/09/05	23:30:39	22.00	54.543	6.58	59	55.54	28.060	8.02	-92.5	2.1	2.8	6.2
02/10/05	00:00:39	22.01	54.600	6.56	59	55.51	28.038	8.02	-92.7	1.3	2.9	6.2
02/10/05	00:30:39	22.01	54.500	6.53	59	55.58	28.085	8.02	-92.8	1.1	2.9	6.1
02/10/05	01:00:39	22.00	54.597	6.47	59	55.54	28.058	8.02	-92.7	1.2	3.0	6.1
02/10/05	01:30:39	22.01	54.467	6.53	59	55.54	28.061	8.02	-92.8	1.1	3.0	6.4
02/10/05	02:00:39	22.00	54.523	6.53	59	55.56	28.073	8.03	-92.9	1.2	2.9	6.2
02/10/05	02:30:39	21.98	54.479	6.51	59	55.52	28.047	8.03	-92.9	1.1	3.0	6.1
02/10/05	03:00:40	21.98	54.479	6.46	59	55.62	28.112	8.03	-92.8	1.2	2.9	6.2
02/10/05	03:30:39	22.01	53.992	6.53	59	55.61	28.114	8.03	-93.0	1.1	2.9	6.2
02/10/05	04:00:39	22.03	54.493	6.54	59	55.53	28.054	8.03	-93.1	1.2	3.0	6.2
02/10/05	04:30:39	22.01	54.628	6.52	60	55.51	28.036	8.03	-93.1	1.1	2.9	6.1
02/10/05	05:00:39	22.01	54.503	6.52	59	55.59	28.094	8.03	-93.1	1.1	2.9	6.1
02/10/05	05:30:40	21.99	54.527	6.50	59	55.56	28.074	8.03	-93.0	1.2	3.0	6.2
02/10/05	06:00:39	22.03	54.483	6.51	59	55.49	28.027	8.03	-93.1	1.1	2.9	6.1
02/10/05	06:30:39	22.05	54.490	6.54	59	55.51	28.040	8.03	-93.1	1.1	2.9	6.1
02/10/05	07:00:39	22.04	54.580	6.52	59	55.51	28.036	8.03	-93.1	1.1	2.8	6.1
02/10/05	07:30:39	22.06	54.543	6.55	59	55.49	28.024	8.03	-93.1	1.1	2.9	6.3
02/10/05	08:00:40	22.05	54.526	6.53	59	55.47	28.007	8.03	-93.1	1.1	3.0	6.3
02/10/05	08:30:39	22.06	54.075	6.59	59	55.19	27.828	8.03	-93.2	1.2	2.9	6.2
02/10/05	09:00:39	22.06	54.479	6.56	59	55.18	27.812	8.03	-93.1	1.0	2.8	6.0

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/10/05	09:30:39	22.06	54.601	6.56	59	55.49	28.022	8.03	-93.1	1.1	2.9	6.1
02/10/05	10:00:39	22.06	54.565	6.60	59	55.47	28.010	8.03	-93.3	1.1	2.9	6.2
02/10/05	10:30:40	22.05	54.820	6.55	59	55.17	27.796	8.03	-93.1	1.2	2.9	6.1
02/10/05	11:00:39	22.02	54.642	6.51	59	55.13	27.773	8.03	-93.0	1.1	2.8	5.9
02/10/05	11:30:39	22.01	55.105	6.51	60	54.48	27.323	8.03	-93.1	1.2	2.9	5.9
02/10/05	12:00:39	21.99	54.656	6.50	59	55.08	27.737	8.03	-93.1	1.1	2.9	6.1
02/10/05	12:30:39	21.98	54.642	6.52	59	54.63	27.433	8.03	-93.1	1.2	3.0	6.2
02/10/05	13:00:40	21.96	54.766	6.50	59	54.77	27.527	8.03	-93.0	1.5	2.9	6.1
02/10/05	13:30:39	21.96	54.653	6.55	59	55.05	27.717	8.03	-93.1	4.5	3.0	6.1
02/10/05	14:00:39	21.93	54.626	6.53	59	54.74	27.509	8.03	-92.8	7.6	2.9	6.1
02/10/05	14:30:39	21.94	54.657	6.61	60	54.59	27.403	8.03	-93.0	11.3	2.9	6.0
02/10/05	15:00:39	21.93	54.623	6.66	59	55.16	27.793	8.03	-92.8	15.6	2.9	6.1
02/10/05	15:30:39	21.92	54.639	6.71	59	54.60	27.408	8.02	-92.7	16.3	2.9	6.0
02/10/05	16:00:39	21.92	54.625	6.80	59	54.72	27.492	8.03	-92.9	42.7	3.1	6.1
02/10/05	16:30:39	21.89	54.634	6.81	59	54.59	27.403	8.02	-92.7	43.1	2.9	6.1
02/10/05	17:00:39	21.90	54.598	6.93	59	54.71	27.487	8.03	-92.8	57.8	3.0	6.0
02/10/05	17:30:39	21.89	54.616	6.96	59	54.81	27.553	8.03	-92.8	39.6	3.0	6.3
02/10/05	18:00:39	21.89	54.587	6.95	59	54.89	27.610	8.02	-92.7	48.3	3.0	6.2
02/10/05	18:30:39	21.89	54.588	7.06	59	54.98	27.669	8.02	-92.7	62.2	2.9	6.2
02/10/05	19:00:39	21.90	54.587	7.11	59	54.89	27.610	8.02	-92.7	58.8	2.9	6.1
02/10/05	19:30:39	21.90	54.613	7.11	60	54.94	27.642	8.02	-92.6	38.9	2.9	6.2
02/10/05	20:00:39	21.90	54.573	7.19	59	55.26	27.861	8.02	-92.7	53.4	2.9	6.2
02/10/05	20:30:39	21.89	54.561	7.17	60	54.92	27.628	8.02	-92.6	42.6	2.9	6.1
02/10/05	21:00:39	21.87	54.604	7.14	60	55.18	27.806	8.02	-92.5	38.5	2.9	6.2
02/10/05	21:30:39	21.85	54.576	7.09	59	55.41	27.967	8.02	-92.5	33.2	3.0	6.1
02/10/05	22:00:39	21.84	54.593	7.03	59	55.19	27.815	8.02	-92.5	20.9	3.0	6.1
02/10/05	22:30:40	21.82	54.562	6.87	59	55.43	27.979	8.02	-92.3	11.6	3.0	6.2
02/10/05	23:00:39	21.82	54.562	6.79	58	55.50	28.027	8.02	-92.3	7.1	2.9	6.2
02/10/05	23:30:39	21.81	54.734	6.73	59	55.46	27.995	8.02	-92.5	4.0	2.8	6.2
02/11/05	00:00:39	21.81	54.583	6.67	59	55.52	28.040	8.02	-92.5	1.6	3.0	6.4
02/11/05	00:30:39	21.80	54.589	6.61	58	55.41	27.965	8.02	-92.6	1.2	2.9	6.2
02/11/05	01:00:40	21.78	54.553	6.56	59	55.35	27.927	8.02	-92.7	1.1	2.9	6.3
02/11/05	01:30:39	21.77	54.664	6.51	59	55.47	28.004	8.02	-92.5	1.2	3.0	6.4
02/11/05	02:00:39	21.76	54.111	6.51	58	55.47	28.014	8.02	-92.7	1.2	2.9	6.3
02/11/05	02:30:39	21.75	54.149	6.49	59	55.32	27.909	8.02	-92.7	1.2	2.9	6.3
02/11/05	03:00:39	21.75	54.035	6.50	58	55.42	27.979	8.02	-92.7	1.1	2.9	6.4
02/11/05	03:30:40	21.74	54.377	6.48	58	55.34	27.923	8.03	-92.8	1.1	2.9	6.2
02/11/05	04:00:39	21.72	54.279	6.42	59	55.39	27.958	8.02	-92.6	1.2	2.8	6.2
02/11/05	04:30:39	21.72	54.235	6.47	59	55.44	27.992	8.02	-92.7	1.2	2.8	6.3
02/11/05	05:00:39	21.71	54.258	6.48	58	55.41	27.968	8.03	-92.8	1.1	2.9	6.2
02/11/05	05:30:39	21.70	54.171	6.43	59	55.46	28.007	8.03	-92.8	1.2	3.0	6.2
02/11/05	06:00:40	21.69	54.620	6.40	59	55.44	27.987	8.02	-92.6	1.1	2.9	6.2
02/11/05	06:30:39	21.68	54.300	6.43	58	55.56	28.070	8.02	-92.7	1.2	2.9	6.2
02/11/05	07:00:39	21.67	54.575	6.37	58	55.57	28.077	8.02	-92.6	1.1	2.9	6.3
02/11/05	07:30:39	21.66	54.703	6.39	58	55.44	27.982	8.02	-92.7	1.2	3.0	6.1
02/11/05	08:00:39	21.66	54.566	6.37	58	55.61	28.104	8.02	-92.6	1.2	2.9	6.4
02/11/05	08:30:40	21.65	54.623	6.36	59	55.59	28.086	8.02	-92.7	1.1	2.9	6.2
02/11/05	09:00:39	21.64	54.648	6.37	59	55.47	28.004	8.02	-92.7	1.1	3.0	6.1
02/11/05	09:30:39	21.63	54.704	6.37	59	55.51	28.034	8.02	-92.6	1.1	2.9	6.4
02/11/05	10:00:39	21.63	54.575	6.42	59	55.43	27.979	8.02	-92.7	1.1	2.8	6.3
02/11/05	10:30:39	21.62	55.001	6.35	58	55.44	27.979	8.02	-92.7	1.2	3.0	6.4
02/11/05	11:00:39	21.61	54.627	6.33	59	55.37	27.939	8.02	-92.6	1.1	2.8	6.2
02/11/05	11:30:39	21.61	54.527	6.37	59	55.28	27.875	8.02	-92.7	1.1	2.9	6.3
02/11/05	12:00:39	21.61	54.514	6.33	58	55.38	27.948	8.02	-92.7	1.1	2.8	6.4
02/11/05	12:30:39	21.60	54.568	6.26	59	55.33	27.909	8.02	-92.5	1.1	2.9	6.4
02/11/05	13:00:39	21.60	54.540	6.28	59	55.28	27.877	8.02	-92.5	1.6	2.8	6.2
02/11/05	13:30:39	21.62	54.496	6.38	59	55.24	27.850	8.02	-92.7	4.7	3.0	6.4
02/11/05	14:00:39	21.62	54.683	6.41	59	55.16	27.792	8.02	-92.5	9.4	2.9	6.4
02/11/05	14:30:39	21.61	54.515	6.45	58	55.10	27.755	8.02	-92.4	12.3	2.9	6.4
02/11/05	15:00:39	21.61	54.529	6.57	59	55.09	27.749	8.02	-92.6	21.1	2.9	6.5
02/11/05	15:30:39	21.61	54.517	6.68	58	55.04	27.713	8.02	-92.5	32.2	3.0	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/11/05	16:00:39	21.57	54.504	6.62	59	55.03	27.705	8.02	-92.2	25.4	2.9	6.5
02/11/05	16:30:39	21.54	54.568	6.72	59	55.08	27.737	8.02	-92.2	55.8	2.9	6.3
02/11/05	17:00:39	21.52	54.483	6.69	59	55.07	27.734	8.01	-92.1	29.4	2.9	6.4
02/11/05	17:30:39	21.51	54.519	6.75	59	55.02	27.699	8.02	-92.2	29.8	2.9	6.5
02/11/05	18:00:40	21.49	54.469	6.82	59	55.13	27.771	8.02	-92.2	34.6	3.0	6.5
02/11/05	18:30:39	21.52	54.471	6.79	59	55.06	27.723	8.02	-92.3	27.1	2.9	6.6
02/11/05	19:00:39	21.54	54.510	6.76	59	55.11	27.756	8.02	-92.3	22.3	2.8	6.5
02/11/05	19:30:39	21.53	54.483	6.77	59	55.16	27.794	8.01	-92.0	24.6	3.0	6.8
02/11/05	20:00:39	21.53	54.511	6.79	59	55.20	27.824	8.02	-92.3	24.3	2.9	6.5
02/11/05	20:30:40	21.53	54.481	6.83	59	55.23	27.841	8.02	-92.2	29.8	2.9	6.5
02/11/05	21:00:39	21.53	54.489	6.70	59	55.30	27.893	8.02	-92.2	10.1	2.9	6.6
02/11/05	21:30:39	21.51	54.490	6.79	59	55.30	27.891	8.02	-92.3	19.4	2.9	6.7
02/11/05	22:00:39	21.50	54.453	6.76	59	55.41	27.963	8.02	-92.3	14.2	2.9	6.7
02/11/05	22:30:39	21.50	54.428	6.73	58	55.28	27.877	8.02	-92.3	10.9	2.9	6.8
02/11/05	23:00:40	21.50	54.488	6.68	58	55.38	27.943	8.02	-92.3	8.2	2.9	6.7
02/11/05	23:30:39	21.49	54.436	6.60	58	55.37	27.939	8.02	-92.2	3.1	2.9	6.5
02/12/05	00:00:39	21.48	54.434	6.58	58	55.32	27.903	8.02	-92.4	1.5	2.7	6.5
02/12/05	00:30:39	21.47	54.409	6.51	58	55.35	27.928	8.02	-92.3	1.0	3.0	6.6
02/12/05	01:00:39	21.46	54.474	6.47	58	55.26	27.863	8.02	-92.3	1.1	2.8	6.6
02/12/05	01:30:40	21.44	54.581	6.39	58	55.29	27.883	8.02	-92.2	1.1	2.9	6.7
02/12/05	02:00:39	21.44	54.446	6.41	58	55.35	27.922	8.02	-92.2	1.1	2.9	6.6
02/12/05	02:30:39	21.45	54.148	6.45	59	55.31	27.902	8.02	-92.4	1.2	3.0	6.7
02/12/05	03:00:39	21.44	54.514	6.40	58	55.34	27.917	8.02	-92.3	1.1	3.0	6.6
02/12/05	03:30:39	21.45	54.428	6.44	58	55.30	27.894	8.02	-92.4	1.2	3.1	6.6
02/12/05	04:00:40	21.44	54.435	6.42	58	55.29	27.886	8.02	-92.3	1.1	2.9	6.7
02/12/05	04:30:39	21.42	55.111	6.36	59	55.19	27.805	8.02	-92.2	1.1	2.9	6.8
02/12/05	05:00:39	21.42	54.447	6.39	58	55.22	27.834	8.02	-92.3	1.1	2.9	6.6
02/12/05	05:30:39	21.44	54.548	6.44	58	55.32	27.903	8.03	-92.9	1.2	2.8	6.6
02/12/05	06:00:39	21.45	54.471	6.43	59	55.22	27.833	8.02	-92.4	1.0	2.9	6.5
02/12/05	06:30:40	21.45	54.459	6.44	59	55.30	27.891	8.02	-92.7	1.1	2.9	6.7
02/12/05	07:00:39	21.45	54.473	6.42	59	55.30	27.887	8.02	-92.3	1.0	2.8	6.5
02/12/05	07:30:39	21.44	54.426	6.37	58	55.29	27.882	8.02	-92.2	1.1	2.9	6.9
02/12/05	08:00:39	21.47	54.432	6.40	59	55.40	27.961	8.02	-92.2	1.1	3.0	6.6
02/12/05	08:30:39	21.46	54.945	6.34	58	55.33	27.900	8.01	-92.0	1.0	2.9	6.6
02/12/05	09:00:40	21.45	54.419	6.36	59	55.39	27.956	8.01	-92.0	1.1	2.9	6.6
02/12/05	09:30:39	21.44	54.541	6.33	59	55.47	28.006	8.01	-91.9	1.1	3.0	6.6
02/12/05	10:00:39	21.34	54.421	6.19	58	55.40	27.955	8.00	-91.4	1.1	2.8	6.7
02/12/05	10:30:39	21.31	54.679	6.08	59	55.40	27.957	8.00	-91.1	1.2	3.0	6.8
02/12/05	11:00:39	21.30	55.088	6.04	58	55.41	27.952	7.99	-91.0	1.0	3.0	6.8
02/12/05	11:30:40	21.30	55.088	6.04	59	55.43	27.966	8.00	-91.1	1.1	3.0	6.7
02/12/05	12:00:39	21.30	55.085	6.05	58	55.41	27.955	8.00	-91.1	1.1	2.9	6.8
02/12/05	12:30:39	21.33	54.470	6.14	59	55.40	27.959	8.00	-91.5	1.2	2.9	6.8
02/12/05	13:00:39	21.34	54.407	6.21	58	55.39	27.954	8.01	-91.8	1.6	3.0	6.8
02/12/05	13:30:39	21.39	54.426	6.33	59	55.30	27.888	8.01	-92.0	3.2	2.9	6.7
02/12/05	14:00:40	21.41	54.398	6.43	59	55.31	27.900	8.01	-92.1	10.6	2.9	6.7
02/12/05	14:30:39	21.43	54.420	6.45	59	55.26	27.860	8.01	-92.0	9.0	2.9	6.7
02/12/05	15:00:39	21.42	54.432	6.53	58	55.26	27.861	8.01	-91.9	17.3	2.9	7.1
02/12/05	15:30:39	21.39	54.443	6.60	58	55.22	27.832	8.01	-92.0	27.1	2.9	6.9
02/12/05	16:00:39	21.34	54.368	6.63	59	55.23	27.841	8.01	-91.7	32.7	2.9	7.0
02/12/05	16:30:40	21.31	54.097	6.70	59	55.22	27.836	8.01	-91.6	38.2	2.9	7.3
02/12/05	17:00:39	21.29	54.387	6.55	58	55.18	27.806	8.00	-91.4	29.0	2.8	6.7
02/12/05	17:30:39	21.30	54.088	6.56	59	55.21	27.834	8.00	-91.2	21.2	2.9	7.2
02/12/05	18:00:39	21.31	54.464	6.59	58	55.19	27.815	8.00	-91.2	26.7	2.9	7.3
02/12/05	18:30:39	21.38	54.043	6.81	59	55.17	27.809	8.01	-91.8	41.5	2.9	6.9
02/12/05	19:00:40	21.44	54.080	6.80	60	55.19	27.817	8.01	-91.9	27.3	2.9	7.3
02/12/05	19:30:39	21.45	54.079	6.78	59	55.18	27.812	8.01	-92.0	25.1	3.0	6.9
02/12/05	20:00:39	21.43	54.106	6.99	59	55.24	27.852	8.01	-92.0	52.8	2.9	6.6
02/12/05	20:30:39	21.45	54.419	6.98	59	55.25	27.855	8.01	-92.0	46.3	2.9	6.6
02/12/05	21:00:39	21.52	54.188	7.08	58	55.25	27.859	8.02	-92.5	46.4	2.8	7.8
02/12/05	21:30:39	21.52	54.228	7.11	59	55.24	27.854	8.02	-92.3	33.5	2.9	7.2
02/12/05	22:00:39	21.51	54.499	7.17	59	55.23	27.840	8.02	-92.2	27.7	2.9	6.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/12/05	22:30:39	21.52	54.437	6.91	59	55.32	27.903	8.02	-92.3	11.8	2.8	7.3
02/12/05	23:00:39	21.53	54.440	6.75	58	55.33	27.908	8.01	-92.2	7.2	2.9	7.5
02/12/05	23:30:39	21.55	54.426	6.67	59	55.28	27.878	8.01	-92.0	5.0	2.9	18.3
02/13/05	00:00:39	21.59	54.634	6.55	58	55.27	27.868	8.01	-92.1	1.8	2.9	6.9
02/13/05	00:30:39	21.61	54.450	6.50	58	55.30	27.891	8.01	-92.0	1.1	2.9	7.1
02/13/05	01:00:39	21.63	54.455	6.56	59	55.30	27.892	8.02	-92.3	1.1	3.0	7.0
02/13/05	01:30:39	21.65	53.878	6.46	59	55.25	27.862	8.01	-92.0	1.0	2.9	7.0
02/13/05	02:00:39	21.65	54.574	6.46	59	55.22	27.835	8.01	-92.1	1.2	2.9	6.9
02/13/05	02:30:39	21.66	54.559	6.50	59	55.17	27.800	8.02	-92.3	1.1	2.8	7.3
02/13/05	03:00:39	21.67	54.438	6.54	59	55.20	27.825	8.02	-92.4	1.1	2.9	6.8
02/13/05	03:30:39	21.66	54.472	6.46	59	55.18	27.807	8.02	-92.2	1.1	2.9	7.1
02/13/05	04:00:39	21.66	54.447	6.45	58	55.13	27.773	8.02	-92.2	1.1	2.9	7.6
02/13/05	04:30:40	21.65	55.145	6.46	59	55.14	27.773	8.02	-92.3	1.2	2.9	7.0
02/13/05	05:00:39	21.65	54.538	6.43	59	55.11	27.760	8.02	-92.3	1.2	2.8	6.9
02/13/05	05:30:39	21.66	54.448	6.51	59	55.12	27.771	8.02	-92.5	1.1	2.8	7.0
02/13/05	06:00:39	21.66	54.424	6.44	59	55.15	27.787	8.02	-92.2	1.0	2.8	6.8
02/13/05	06:30:39	21.64	54.400	6.44	59	55.08	27.743	8.02	-92.3	1.1	2.8	7.0
02/13/05	07:00:40	21.58	54.463	6.31	59	55.16	27.791	8.01	-91.9	1.1	3.0	7.0
02/13/05	07:30:39	21.54	54.589	6.19	58	55.16	27.792	8.00	-91.6	1.1	3.0	7.0
02/13/05	08:00:39	21.49	54.382	6.24	58	55.21	27.826	8.01	-91.7	1.1	3.0	1379.5
02/13/05	08:30:39	21.41	54.389	6.18	58	55.25	27.858	8.00	-91.6	1.1	2.9	10.8
02/13/05	09:00:39	21.36	54.353	6.25	59	55.28	27.879	8.01	-91.7	1.1	3.0	7.9
02/13/05	09:30:40	21.37	55.077	6.33	59	55.32	27.891	8.02	-92.1	1.1	2.9	7.3
02/13/05	10:00:39	21.37	54.418	6.28	58	55.34	27.918	8.01	-91.9	1.1	3.0	8.3
02/13/05	10:30:39	21.37	54.376	6.30	58	55.34	27.917	8.01	-92.0	1.1	2.8	7.3
02/13/05	11:00:39	21.37	54.406	6.30	58	55.39	27.954	8.01	-92.0	1.1	3.0	7.9
02/13/05	11:30:39	21.37	54.323	6.34	59	55.38	27.943	8.02	-92.2	1.2	2.8	7.2
02/13/05	12:00:40	21.38	54.731	6.31	58	55.48	28.011	8.02	-92.2	1.1	3.0	7.0
02/13/05	12:30:39	21.40	54.350	6.37	59	55.44	27.986	8.02	-92.3	1.0	2.7	7.0
02/13/05	13:00:39	21.40	54.365	6.39	58	55.50	28.028	8.02	-92.3	1.2	2.9	7.8
02/13/05	13:30:39	21.40	54.314	6.36	59	55.47	28.006	8.02	-92.3	1.4	3.0	6.8
02/13/05	14:00:39	21.40	54.696	6.37	59	55.62	28.105	8.02	-92.4	1.9	2.9	6.8
02/13/05	14:30:40	21.40	54.303	6.32	59	55.43	27.979	8.02	-92.2	2.4	2.9	7.2
02/13/05	15:00:39	21.40	55.068	6.40	59	55.43	27.968	8.02	-92.3	6.5	2.9	7.3
02/13/05	15:30:39	21.40	54.347	6.44	59	55.46	28.004	8.02	-92.3	4.4	2.9	7.2
02/13/05	16:00:39	21.40	54.317	6.43	58	55.51	28.038	8.02	-92.2	5.9	2.9	6.8
02/13/05	16:30:39	21.40	54.366	6.42	58	55.49	28.018	8.02	-92.2	5.9	2.9	6.7
02/13/05	17:00:40	21.40	54.307	6.47	58	55.47	28.010	8.02	-92.2	6.6	2.9	6.8
02/13/05	17:30:39	21.40	54.437	6.54	59	55.49	28.022	8.02	-92.2	12.5	2.9	1379.2
02/13/05	18:00:39	21.40	54.291	6.52	59	55.45	27.993	8.02	-92.2	10.5	2.9	8.2
02/13/05	18:30:39	21.40	54.306	6.46	59	55.45	27.997	8.01	-91.9	6.7	2.8	7.0
02/13/05	19:00:39	21.41	54.349	6.49	59	55.42	27.977	8.01	-91.9	11.3	2.9	7.3
02/13/05	19:30:39	21.41	54.413	6.46	59	55.47	28.004	8.01	-91.9	5.8	3.0	6.3
02/13/05	20:00:39	21.42	54.343	6.45	59	55.41	27.966	8.01	-91.9	5.0	2.9	6.2
02/13/05	20:30:39	21.44	54.796	6.28	59	55.45	27.984	8.00	-91.2	3.4	2.9	6.3
02/13/05	21:00:39	21.49	54.674	6.32	59	55.35	27.922	8.00	-91.5	6.1	2.9	6.3
02/13/05	21:30:39	21.60	54.489	6.46	59	55.40	27.957	8.02	-92.2	6.5	2.9	6.2
02/13/05	22:00:39	21.66	54.371	6.62	59	55.40	27.959	8.02	-92.5	13.0	3.0	6.4
02/13/05	22:30:39	21.67	54.340	6.61	58	55.28	27.879	8.02	-92.5	6.5	3.1	6.3
02/13/05	23:00:39	21.68	54.327	6.55	59	55.45	27.994	8.02	-92.3	3.3	2.9	6.3
02/13/05	23:30:39	21.69	54.303	6.59	59	55.42	27.977	8.02	-92.5	4.7	3.0	6.2
02/14/05	00:00:39	21.69	54.309	6.52	59	55.36	27.936	8.02	-92.3	1.8	2.8	6.4
02/14/05	00:30:39	21.68	54.322	6.50	59	55.41	27.967	8.02	-92.5	1.1	2.9	6.2
02/14/05	01:00:39	21.68	54.889	6.49	59	55.26	27.856	8.02	-92.5	1.1	2.9	6.5
02/14/05	01:30:39	21.68	54.362	6.47	59	55.34	27.917	8.02	-92.5	1.1	2.9	6.5
02/14/05	02:00:39	21.69	54.358	6.46	59	55.23	27.848	8.02	-92.3	1.2	2.9	6.2
02/14/05	02:30:39	21.69	54.351	6.49	59	55.15	27.792	8.02	-92.5	1.1	2.9	6.3
02/14/05	03:00:39	21.70	54.355	6.44	59	55.22	27.840	8.02	-92.4	1.1	2.9	6.1
02/14/05	03:30:39	21.70	53.869	6.46	59	55.07	27.744	8.02	-92.4	1.1	2.9	6.4
02/14/05	04:00:39	21.69	54.372	6.39	59	55.07	27.732	8.02	-92.2	1.2	2.9	6.4
02/14/05	04:30:39	21.70	54.362	6.40	59	55.16	27.796	8.02	-92.2	1.2	3.1	6.2

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/14/05	05:00:39	21.69	54.542	6.43	58	55.05	27.722	8.02	-92.4	1.0	2.9	6.2
02/14/05	05:30:39	21.68	54.332	6.39	59	55.04	27.712	8.02	-92.4	1.1	2.9	6.2
02/14/05	06:00:39	21.68	54.477	6.33	59	55.03	27.707	8.01	-92.1	1.2	2.8	6.3
02/14/05	06:30:39	21.69	54.342	6.39	59	55.01	27.696	8.02	-92.3	1.1	3.0	6.2
02/14/05	07:00:39	21.69	54.321	6.41	59	54.94	27.648	8.02	-92.3	1.2	2.9	6.2
02/14/05	07:30:40	21.68	54.341	6.43	59	55.04	27.714	8.02	-92.5	1.1	2.9	6.3
02/14/05	08:00:39	21.68	54.384	6.38	58	55.04	27.716	8.02	-92.3	1.0	2.9	6.3
02/14/05	08:30:39	21.67	54.351	6.36	59	55.10	27.754	8.02	-92.2	1.1	2.9	6.2
02/14/05	09:00:39	21.59	54.328	6.40	59	55.08	27.739	8.02	-92.2	1.1	2.9	6.3
02/14/05	09:30:39	21.57	54.227	6.38	58	55.14	27.782	8.02	-92.2	1.0	2.9	6.4
02/14/05	10:00:40	21.55	54.404	6.36	58	55.20	27.819	8.02	-92.2	1.1	2.9	6.2
02/14/05	10:30:39	21.54	54.730	6.34	59	55.13	27.768	8.02	-92.2	1.0	2.9	6.4
02/14/05	11:00:39	21.55	54.295	6.34	59	55.21	27.833	8.02	-92.2	1.2	3.0	6.2
02/14/05	11:30:39	21.52	54.321	6.33	59	55.36	27.936	8.01	-92.0	1.0	2.8	6.6
02/14/05	12:00:39	21.49	54.317	6.34	59	55.24	27.852	8.01	-92.0	1.2	3.0	6.5
02/14/05	12:30:40	21.52	54.640	6.30	59	55.29	27.878	8.01	-91.9	1.2	2.9	6.2
02/14/05	13:00:39	21.53	54.334	6.25	58	55.39	27.957	8.01	-91.9	1.9	3.0	6.3
02/14/05	13:30:39	21.53	55.068	6.26	59	55.54	28.044	8.01	-91.7	5.4	3.0	6.1
02/14/05	14:00:39	21.58	54.386	6.34	58	55.38	27.950	8.01	-91.7	10.9	3.0	6.7
02/14/05	14:30:39	21.61	54.361	6.44	59	55.25	27.858	8.01	-91.9	17.0	3.0	6.4
02/14/05	15:00:40	21.69	54.330	6.63	58	55.54	28.061	8.02	-92.2	22.5	3.0	6.8
02/14/05	15:30:39	21.69	54.365	6.75	59	55.53	28.049	8.02	-92.2	32.6	2.9	6.4
02/14/05	16:00:39	21.69	54.348	6.78	59	55.37	27.941	8.01	-92.1	17.8	2.9	6.9
02/14/05	16:30:39	21.69	54.335	6.90	59	55.46	28.000	8.02	-92.3	42.3	2.9	6.4
02/14/05	17:00:39	21.69	54.298	6.98	59	55.46	28.004	8.02	-92.3	50.9	2.9	6.7
02/14/05	17:30:40	21.70	54.315	7.12	60	55.50	28.033	8.02	-92.4	56.0	2.9	6.7
02/14/05	18:00:39	21.70	54.307	7.15	60	55.28	27.882	8.02	-92.3	62.7	2.9	8.8
02/14/05	18:30:39	21.70	54.290	7.28	59	55.26	27.864	8.02	-92.3	62.3	2.8	6.4
02/14/05	19:00:39	21.70	54.292	7.25	60	55.21	27.832	8.01	-92.0	31.8	2.9	6.5
02/14/05	19:30:39	21.70	54.266	7.83	60	55.39	27.955	8.02	-92.2	56.1	3.0	8.5
02/14/05	20:00:40	21.69	54.289	7.45	60	55.08	27.743	8.01	-92.0	17.8	2.9	6.8
02/14/05	20:30:39	21.70	54.295	7.69	59	55.38	27.951	8.01	-92.2	44.3	2.9	7.0
02/14/05	21:00:39	21.68	54.285	7.58	60	55.26	27.868	8.01	-92.0	43.6	3.0	6.4
02/14/05	21:30:39	21.67	54.544	7.40	60	55.22	27.835	8.01	-92.0	34.0	2.9	7.0
02/14/05	22:00:39	21.64	54.271	7.44	60	55.14	27.782	8.01	-91.7	27.0	3.0	6.5
02/14/05	22:30:40	21.63	54.286	7.28	59	55.16	27.795	8.00	-91.6	18.2	2.9	7.0
02/14/05	23:00:39	21.62	54.267	6.97	59	55.10	27.758	8.00	-91.6	10.9	3.0	6.6
02/14/05	23:30:39	21.61	54.268	6.79	59	55.19	27.821	8.00	-91.6	5.4	2.8	7.3
02/15/05	00:00:39	21.61	54.252	6.66	60	55.09	27.750	8.01	-91.7	2.0	2.9	8.4
02/15/05	00:30:39	21.58	54.239	6.56	59	55.27	27.876	8.00	-91.6	1.1	2.9	7.9
02/15/05	01:00:40	21.57	54.273	6.55	59	55.02	27.701	8.01	-91.6	1.1	3.0	6.6
02/15/05	01:30:39	21.53	54.383	6.47	59	55.17	27.800	8.00	-91.4	1.1	2.8	6.6
02/15/05	02:00:39	21.51	54.409	6.43	59	55.27	27.869	8.00	-91.6	1.0	2.9	6.8
02/15/05	02:30:39	21.48	54.294	6.40	59	55.05	27.723	8.00	-91.2	1.1	2.9	6.5
02/15/05	03:00:39	21.45	54.258	6.38	59	55.14	27.781	8.00	-91.2	1.1	2.9	21.9
02/15/05	03:30:40	21.43	54.327	6.31	59	55.16	27.796	8.00	-91.4	1.1	2.9	8.3
02/15/05	04:00:39	21.41	54.273	6.22	59	55.01	27.692	8.01	-91.7	1.1	2.9	6.5
02/15/05	04:30:39	21.41	54.247	6.24	59	55.14	27.783	8.00	-91.5	1.2	2.9	7.6
02/15/05	05:00:39	21.42	54.257	6.22	59	54.97	27.667	8.00	-91.2	1.1	2.9	8.1
02/15/05	05:30:39	21.43	54.233	6.18	59	54.91	27.623	8.00	-91.4	1.0	2.9	7.1
02/15/05	06:00:40	21.43	54.333	5.92	59	54.88	27.601	8.00	-91.5	1.1	2.9	7.5
02/15/05	06:30:39	21.43	54.478	5.98	59	54.89	27.605	8.00	-91.3	1.2	2.9	6.8
02/15/05	07:00:39	21.44	54.816	5.78	58	55.01	27.683	8.00	-91.2	1.2	3.0	19.2
02/15/05	07:30:39	21.44	54.277	5.96	59	54.87	27.599	7.99	-91.0	1.1	2.9	6.8
02/15/05	08:00:39	21.49	55.026	5.98	59	54.98	27.663	8.00	-91.6	1.1	2.9	7.3
02/15/05	08:30:40	21.50	54.329	6.02	60	54.99	27.676	8.00	-91.4	1.1	2.9	6.7
02/15/05	09:00:39	21.51	54.439	6.13	59	54.95	27.652	8.00	-91.5	1.1	2.8	7.9
02/15/05	09:30:39	21.52	54.598	6.04	59	54.98	27.671	8.00	-91.6	1.1	2.9	6.4
02/15/05	10:00:39	21.52	54.297	6.12	59	55.06	27.728	8.01	-91.7	1.1	2.9	6.6
02/15/05	10:30:39	21.51	54.306	6.14	59	55.04	27.717	8.01	-91.7	1.1	2.9	7.6
02/15/05	11:00:40	21.48	54.244	6.24	59	55.13	27.775	8.01	-91.7	1.0	2.9	6.7

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/15/05	11:30:39	21.46	54.293	6.20	59	55.18	27.811	8.00	-91.6	1.2	3.0	7.0
02/15/05	12:00:39	21.44	54.286	6.24	59	55.23	27.845	8.01	-91.8	1.1	2.9	7.1
02/15/05	12:30:39	21.42	54.257	6.20	59	55.15	27.792	8.01	-91.7	1.1	3.0	6.8
02/15/05	13:00:39	21.41	54.307	6.26	59	55.30	27.892	8.00	-91.6	2.0	2.9	6.8
02/15/05	13:30:40	21.39	54.989	6.34	59	55.27	27.862	8.00	-91.6	5.6	2.9	6.7
02/15/05	14:00:39	21.39	54.239	6.43	59	55.42	27.975	8.01	-91.6	11.8	2.9	6.9
02/15/05	14:30:39	21.38	54.265	6.57	59	55.38	27.948	8.00	-91.4	17.0	2.9	7.4
02/15/05	15:00:39	21.38	54.242	6.68	59	55.46	28.000	8.01	-91.6	27.5	2.9	6.6
02/15/05	15:30:39	21.38	54.204	6.79	59	55.47	28.010	8.01	-91.7	33.7	2.9	7.2
02/15/05	16:00:40	21.37	54.187	6.87	60	55.49	28.025	8.01	-91.9	41.1	2.9	9.0
02/15/05	16:30:39	21.37	54.208	6.98	59	55.46	28.001	8.01	-91.9	48.4	2.9	7.0
02/15/05	17:00:39	21.38	54.245	7.08	60	55.43	27.985	8.01	-92.0	55.0	2.9	7.3
02/15/05	17:30:39	21.37	54.180	7.12	60	55.29	27.885	8.01	-92.1	60.0	2.9	7.1
02/15/05	18:00:39	21.38	54.241	7.32	60	55.40	27.960	8.01	-92.0	66.7	3.0	7.0
02/15/05	18:30:40	21.39	54.176	7.41	59	55.35	27.931	8.01	-92.1	68.8	2.9	6.8
02/15/05	19:00:39	21.40	54.254	7.42	60	55.40	27.960	8.02	-92.2	78.1	2.9	6.7
02/15/05	19:30:39	21.41	54.273	7.65	60	55.35	27.925	8.01	-92.1	70.7	2.9	8.1
02/15/05	20:00:39	21.41	54.156	7.84	60	55.38	27.948	8.02	-92.2	76.4	2.9	8.1
02/15/05	20:30:39	21.42	54.177	7.87	60	55.43	27.984	8.02	-92.2	58.2	3.0	7.1
02/15/05	21:00:39	21.47	54.268	7.72	59	55.33	27.915	8.02	-92.3	51.7	3.0	8.9
02/15/05	21:30:39	21.47	54.183	7.81	59	55.32	27.907	8.02	-92.2	43.2	2.9	8.6
02/15/05	22:00:39	21.59	54.179	7.69	59	55.26	27.870	8.02	-92.3	32.8	2.9	7.0
02/15/05	22:30:39	21.65	54.184	7.46	59	55.31	27.902	8.01	-92.0	22.6	3.0	1380.1
02/15/05	23:00:39	21.65	54.184	7.02	59	55.19	27.822	8.01	-91.7	10.6	3.0	10.0
02/15/05	23:30:39	21.65	54.182	6.73	58	55.22	27.841	8.00	-91.6	7.8	2.9	1380.3
02/16/05	00:00:39	21.65	54.247	6.40	59	55.22	27.843	8.00	-91.6	2.2	2.9	11.9
02/16/05	00:30:39	21.63	54.201	6.31	59	55.19	27.820	8.00	-91.4	1.1	2.9	409.6
02/16/05	01:00:39	21.64	54.210	6.39	59	55.17	27.805	8.01	-91.7	1.2	2.9	7.2
02/16/05	01:30:39	21.63	54.214	6.35	59	55.11	27.763	8.00	-91.4	1.1	2.9	8.4
02/16/05	02:00:39	21.63	54.212	6.36	59	55.08	27.742	8.00	-91.5	1.1	2.9	851.2
02/16/05	02:30:39	21.63	54.220	6.36	59	55.06	27.727	8.00	-91.6	1.1	2.9	32.9
02/16/05	03:00:39	21.63	54.213	6.42	59	54.94	27.646	8.01	-91.7	1.0	2.8	7.1
02/16/05	03:30:39	21.64	54.215	6.39	59	54.96	27.662	8.00	-91.5	1.1	2.9	1380.2
02/16/05	04:00:40	21.64	54.235	6.39	59	54.91	27.627	8.00	-91.6	1.1	3.0	10.4
02/16/05	04:30:39	21.63	54.275	6.35	59	54.85	27.588	8.01	-91.7	1.1	2.9	1380.1
02/16/05	05:00:39	21.63	54.228	6.39	60	54.84	27.579	8.01	-91.6	1.1	2.9	6.8
02/16/05	05:30:39	21.63	54.221	6.33	59	54.76	27.521	8.01	-91.6	1.2	2.9	1380.1
02/16/05	06:00:39	21.61	54.236	6.33	58	54.74	27.508	8.00	-91.6	1.1	3.0	8.8
02/16/05	06:30:40	21.59	54.245	6.31	58	54.70	27.484	8.00	-91.6	1.1	3.0	1380.0
02/16/05	07:00:39	21.57	54.996	6.31	59	54.66	27.440	8.01	-91.7	1.2	2.9	7.1
02/16/05	07:30:39	21.55	54.252	6.32	59	54.67	27.464	8.01	-91.6	1.2	2.9	6.6
02/16/05	08:00:39	21.53	54.424	6.30	59	54.72	27.492	8.01	-91.7	1.2	3.0	6.7
02/16/05	08:30:39	21.51	54.230	6.30	59	54.65	27.449	8.01	-91.7	1.1	2.9	6.6
02/16/05	09:00:40	21.50	54.729	6.24	59	54.64	27.436	8.01	-91.7	1.2	2.9	1379.5
02/16/05	09:30:39	21.43	54.642	6.23	59	54.66	27.450	8.00	-91.6	1.1	2.9	1379.2
02/16/05	10:00:39	21.36	54.550	6.25	59	54.67	27.452	8.01	-91.6	1.1	2.8	6.8
02/16/05	10:30:39	21.33	54.498	6.31	58	54.74	27.501	8.01	-91.9	1.2	2.9	6.9
02/16/05	11:00:39	21.34	54.740	6.28	59	54.80	27.542	8.01	-91.9	1.1	2.9	1378.9
02/16/05	11:30:40	21.36	54.203	6.34	59	54.87	27.599	8.01	-91.9	1.2	3.0	8.8
02/16/05	12:00:39	21.36	54.227	6.28	59	54.90	27.614	8.01	-91.9	1.1	3.0	6.8
02/16/05	12:30:39	21.33	54.214	6.29	59	54.96	27.657	8.01	-91.7	1.2	3.0	8.5
02/16/05	13:00:39	21.32	54.139	6.33	59	54.99	27.684	8.01	-91.8	2.0	2.8	1378.8
02/16/05	13:30:39	21.32	54.109	6.45	59	55.08	27.745	8.01	-92.0	6.0	2.8	9.7
02/16/05	14:00:40	21.32	54.104	6.34	59	55.17	27.801	8.01	-92.0	11.5	2.9	1378.7
02/16/05	14:30:39	21.30	54.176	6.62	59	55.24	27.853	8.01	-92.1	17.0	3.0	6.5
02/16/05	15:00:39	21.28	54.114	6.70	59	55.25	27.862	8.01	-92.1	23.4	3.0	7.8
02/16/05	15:30:39	21.23	54.155	6.75	59	55.34	27.923	8.01	-91.9	28.5	2.8	7.6
02/16/05	16:00:39	21.18	54.126	6.84	59	55.36	27.933	8.01	-91.9	33.4	2.8	9.0
02/16/05	16:30:40	21.09	54.338	6.94	59	55.39	27.948	8.01	-91.7	36.4	3.0	1377.8
02/16/05	17:00:39	21.08	54.846	7.00	59	55.44	27.976	8.01	-91.7	44.6	2.9	9.1
02/16/05	17:30:39	21.12	54.856	7.16	60	55.40	27.948	8.01	-92.0	49.6	3.0	7.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/16/05	18:00:39	21.17	54.202	7.15	59	55.45	27.994	8.01	-92.0	57.1	3.0	1378.1
02/16/05	18:30:39	21.17	54.132	7.17	59	55.47	28.010	8.01	-91.7	54.6	3.0	9.6
02/16/05	19:00:40	21.23	54.136	7.27	59	55.50	28.033	8.01	-91.8	55.3	2.8	1378.4
02/16/05	19:30:39	21.25	54.117	7.24	59	55.47	28.007	8.01	-91.8	72.1	2.9	1378.4
02/16/05	20:00:39	21.25	54.120	6.75	59	55.46	28.001	8.00	-91.1	21.6	2.8	6.7
02/16/05	20:30:39	21.24	54.183	7.35	59	55.42	27.975	8.00	-91.2	51.3	2.8	1378.4
02/16/05	21:00:39	21.21	54.095	7.16	59	55.43	27.986	7.99	-90.9	41.2	3.0	6.7
02/16/05	21:30:40	21.23	54.074	7.19	59	55.37	27.943	7.99	-90.9	34.8	2.9	7.0
02/16/05	22:00:39	21.26	54.137	6.92	59	55.40	27.965	8.00	-91.0	26.4	2.8	1378.5
02/16/05	22:30:39	21.26	54.097	6.84	59	55.37	27.944	7.99	-90.8	19.3	2.8	6.5
02/16/05	23:00:39	21.26	54.158	6.65	58	55.41	27.970	7.99	-90.8	11.2	2.8	1378.5
02/16/05	23:30:39	21.33	54.113	6.53	58	55.38	27.950	8.00	-91.4	6.0	2.9	1378.8
02/17/05	00:00:40	21.34	54.145	6.43	58	55.34	27.921	8.00	-91.5	2.2	2.9	602.7
02/17/05	00:30:39	21.37	54.145	6.45	59	55.29	27.885	8.01	-92.0	1.1	2.9	6.8
02/17/05	01:00:39	21.36	54.161	6.28	59	55.29	27.884	8.01	-91.9	1.2	2.9	1379.0
02/17/05	01:30:39	21.34	54.171	6.35	59	55.24	27.855	8.01	-91.8	1.2	2.9	6.5
02/17/05	02:00:39	21.30	54.179	6.34	59	55.25	27.856	8.01	-91.9	1.0	2.9	1378.7
02/17/05	02:30:40	21.27	54.695	6.21	58	55.17	27.796	8.01	-91.6	1.2	2.9	7.0
02/17/05	03:00:39	21.23	54.652	6.17	58	55.15	27.780	8.00	-91.5	1.2	3.0	1378.4
02/17/05	03:30:39	21.21	54.940	5.86	58	55.13	27.765	8.00	-91.1	1.0	2.9	6.4
02/17/05	04:00:39	21.19	54.595	6.01	59	55.06	27.724	8.00	-91.1	1.1	3.0	6.9
02/17/05	04:30:39	21.19	54.341	6.01	58	55.05	27.716	8.00	-91.3	1.0	2.9	1378.2
02/17/05	05:00:40	21.18	54.204	6.09	59	55.03	27.708	8.00	-91.5	1.0	2.8	7.1
02/17/05	05:30:39	21.19	54.214	6.06	59	54.97	27.664	8.00	-91.5	1.1	2.9	1378.2
02/17/05	06:00:39	21.23	54.159	6.33	59	54.92	27.630	8.02	-92.1	1.1	2.8	6.8
02/17/05	06:30:39	21.25	54.155	6.38	59	54.86	27.591	8.02	-92.2	1.0	2.8	7.2
02/17/05	07:00:39	21.25	54.157	6.37	59	54.84	27.579	8.02	-92.3	1.2	3.0	6.8
02/17/05	07:30:40	21.29	54.369	6.34	59	54.78	27.532	8.02	-92.3	1.1	2.9	13.7
02/17/05	08:00:39	21.33	54.182	6.43	59	54.76	27.521	8.02	-92.6	1.1	2.8	15.3
02/17/05	08:30:39	21.34	54.161	6.42	59	54.75	27.515	8.02	-92.4	1.0	3.0	24.2
02/17/05	09:00:39	21.35	54.150	6.39	59	54.75	27.514	8.02	-92.3	1.1	2.9	11.1
02/17/05	09:30:39	21.35	54.135	6.35	59	54.69	27.474	8.02	-92.3	1.1	2.9	20.5
02/17/05	10:00:39	21.35	54.149	6.35	59	54.80	27.547	8.02	-92.3	1.1	2.9	9.4
02/17/05	10:30:39	21.31	54.163	6.24	59	54.78	27.538	8.01	-91.8	1.2	3.0	7.3
02/17/05	11:00:39	21.34	54.136	6.31	59	54.82	27.563	8.02	-92.2	1.0	2.9	14.4
02/17/05	11:30:39	21.29	54.302	6.21	59	54.88	27.601	8.01	-91.9	1.1	2.8	10.0
02/17/05	12:00:39	21.30	54.145	6.23	59	54.94	27.649	8.01	-91.9	1.1	2.9	8.3
02/17/05	12:30:39	21.32	54.109	6.27	58	54.96	27.657	8.01	-92.0	1.1	2.8	11.4
02/17/05	13:00:39	21.31	54.266	6.18	59	55.04	27.717	8.01	-91.8	2.0	2.8	16.2
02/17/05	13:30:39	21.30	54.130	6.27	59	55.09	27.752	8.01	-91.9	4.9	2.9	7.9
02/17/05	14:00:39	21.29	54.158	6.26	59	55.18	27.812	8.01	-91.7	10.7	2.9	7.7
02/17/05	14:30:39	21.19	54.130	6.17	58	55.22	27.841	8.00	-91.0	13.8	3.0	7.9
02/17/05	15:00:39	21.20	54.107	6.17	58	55.29	27.883	7.99	-90.9	13.9	2.9	1378.2
02/17/05	15:30:39	21.24	54.215	6.40	59	55.35	27.923	8.00	-91.3	43.0	2.8	8.7
02/17/05	16:00:39	21.25	54.129	6.43	58	55.42	27.975	7.99	-90.9	16.0	2.9	7.4
02/17/05	16:30:39	21.34	54.120	6.48	59	55.45	27.994	8.00	-91.5	22.8	2.9	28.1
02/17/05	17:00:40	21.34	54.156	6.75	59	55.48	28.019	8.01	-91.7	23.4	2.9	9.4
02/17/05	17:30:39	21.35	54.115	6.58	59	55.52	28.042	8.01	-91.7	17.4	3.0	7.1
02/17/05	18:00:39	21.36	54.093	6.79	59	55.50	28.034	8.01	-92.1	41.4	3.0	7.2
02/17/05	18:30:39	21.37	54.137	6.70	59	55.56	28.071	8.02	-92.1	14.7	2.9	10.2
02/17/05	19:00:39	21.39	54.152	7.09	59	55.51	28.037	8.02	-92.4	31.0	2.9	7.3
02/17/05	19:30:40	21.37	54.094	6.89	60	55.49	28.024	8.02	-92.2	24.6	2.9	8.6
02/17/05	20:00:39	21.38	54.075	6.87	60	55.46	28.002	8.02	-92.2	23.5	2.9	8.1
02/17/05	20:30:39	21.42	54.090	6.88	59	55.53	28.051	8.02	-92.2	19.4	2.8	7.0
02/17/05	21:00:39	21.50	54.066	6.92	60	55.50	28.036	8.02	-92.3	19.5	3.0	7.0
02/17/05	21:30:39	21.62	54.165	6.97	60	55.55	28.064	8.02	-92.5	18.0	2.9	9.1
02/17/05	22:00:40	21.71	54.122	6.72	59	55.54	28.061	8.02	-92.4	10.7	2.9	10.4
02/17/05	22:30:39	21.77	54.111	6.59	59	55.51	28.045	8.02	-92.2	4.4	2.9	7.4
02/17/05	23:00:39	21.82	54.382	6.58	60	55.47	28.013	8.01	-92.1	3.3	3.0	6.4
02/17/05	23:30:39	21.83	54.117	6.54	59	55.35	27.931	8.01	-92.0	1.9	2.9	6.3
02/18/05	00:00:39	21.82	54.152	6.52	59	55.43	27.985	8.02	-92.2	1.5	2.9	6.4

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/18/05	00:30:40	21.81	54.381	6.51	60	55.29	27.889	8.01	-92.2	1.1	2.9	6.4
02/18/05	01:00:39	21.82	54.143	6.47	60	55.43	27.985	8.01	-92.1	1.2	2.8	6.4
02/18/05	01:30:39	21.82	54.166	6.44	59	55.21	27.836	8.01	-91.9	1.1	2.8	1381.0
02/18/05	02:00:39	21.82	54.135	6.42	60	55.31	27.905	8.01	-92.0	1.1	2.9	6.7
02/18/05	02:30:39	21.83	54.305	6.42	59	55.21	27.833	8.01	-92.0	1.1	2.8	936.4
02/18/05	03:00:40	21.83	54.197	6.40	59	55.24	27.854	8.01	-92.0	1.0	2.9	565.8
02/18/05	03:30:39	21.84	54.136	6.40	59	55.20	27.827	8.01	-92.0	1.1	3.0	8.0
02/18/05	04:00:39	21.83	54.142	6.44	60	55.18	27.813	8.01	-92.2	1.1	2.9	1381.1
02/18/05	04:30:39	21.83	53.798	6.41	60	55.11	27.769	8.01	-92.2	1.1	2.9	8.8
02/18/05	05:00:39	21.84	54.173	6.39	60	55.05	27.729	8.01	-92.1	1.2	2.9	1381.1
02/18/05	05:30:40	21.83	54.141	6.43	59	55.06	27.731	8.01	-91.9	1.1	2.9	6.7
02/18/05	06:00:39	21.82	54.164	6.41	60	54.98	27.680	8.01	-92.0	1.2	2.9	1381.0
02/18/05	06:30:39	21.81	54.162	6.38	58	54.92	27.636	8.01	-92.0	1.0	3.0	7.2
02/18/05	07:00:39	21.80	54.841	6.39	59	54.88	27.598	8.01	-92.0	1.1	2.9	1380.9
02/18/05	07:30:39	21.81	54.285	6.38	59	54.76	27.526	8.01	-91.8	1.1	2.9	8.7
02/18/05	08:00:40	21.80	54.163	6.38	59	54.79	27.545	8.01	-92.0	1.1	2.9	1380.9
02/18/05	08:30:39	21.80	54.170	6.43	59	54.73	27.506	8.01	-91.7	1.1	3.0	6.4
02/18/05	09:00:39	21.80	54.184	6.32	59	54.70	27.487	8.01	-91.7	1.2	2.8	1380.9
02/18/05	09:30:39	21.79	54.791	6.39	59	54.71	27.484	8.01	-92.0	1.1	3.0	6.8
02/18/05	10:00:39	21.78	54.316	6.35	59	54.68	27.470	8.01	-91.9	1.1	2.8	1380.8
02/18/05	10:30:40	21.79	54.293	6.36	58	54.62	27.429	8.01	-92.0	1.2	2.9	6.6
02/18/05	11:00:39	21.78	54.173	6.39	59	54.62	27.432	8.01	-91.9	1.1	2.9	1380.8
02/18/05	11:30:39	21.78	54.272	6.35	60	54.66	27.453	8.01	-91.9	1.1	2.9	6.4
02/18/05	12:00:39	21.77	54.155	6.40	59	54.71	27.495	8.01	-92.0	1.1	2.9	6.7
02/18/05	12:30:39	21.73	54.772	6.36	59	54.71	27.483	8.01	-91.9	1.0	2.9	6.4
02/18/05	13:00:40	21.70	54.406	6.38	59	54.85	27.583	8.01	-91.9	1.6	2.9	6.4
02/18/05	13:30:39	21.67	54.750	6.39	59	54.86	27.585	8.01	-91.7	4.4	3.0	1380.3
02/18/05	14:00:39	21.64	54.221	6.49	60	54.96	27.663	8.01	-91.6	9.0	2.9	6.4
02/18/05	14:30:39	21.68	54.119	6.58	60	54.99	27.682	8.01	-91.7	10.8	2.9	1380.3
02/18/05	15:00:39	21.69	54.122	6.61	59	55.04	27.719	8.01	-91.6	12.4	2.8	6.5
02/18/05	15:30:40	21.73	54.099	6.83	59	55.19	27.825	8.01	-91.9	22.6	3.0	1380.6
02/18/05	16:00:39	21.73	54.134	7.09	60	55.25	27.860	8.01	-92.0	43.7	2.9	6.6
02/18/05	16:30:39	21.74	54.159	7.05	59	55.38	27.953	8.01	-92.0	33.7	2.8	1380.6
02/18/05	17:00:39	21.73	54.083	7.14	60	55.32	27.912	8.01	-92.0	38.6	2.8	6.4
02/18/05	17:30:39	21.75	54.085	7.41	60	55.38	27.956	8.02	-92.3	57.1	2.9	1380.6
02/18/05	18:00:39	21.75	54.187	7.25	59	55.38	27.948	8.01	-92.2	43.3	2.8	6.9
02/18/05	18:30:39	21.74	54.094	6.98	59	55.47	28.012	8.01	-91.9	22.7	2.8	1380.6
02/18/05	19:00:39	21.74	54.088	7.00	60	55.40	27.963	8.01	-92.0	28.2	3.0	6.4
02/18/05	19:30:39	21.75	54.062	7.17	60	55.53	28.058	8.01	-91.8	31.0	3.0	1380.6
02/18/05	20:00:39	21.76	54.085	7.45	60	55.55	28.070	8.01	-91.9	42.2	2.9	7.8
02/18/05	20:30:39	21.78	54.069	7.38	60	55.57	28.085	7.99	-91.0	35.8	2.9	1380.8
02/18/05	21:00:39	21.78	54.096	7.70	60	55.52	28.046	8.01	-91.8	42.6	2.9	6.3
02/18/05	21:30:39	21.78	54.093	7.54	60	55.42	27.978	8.00	-91.6	28.9	3.0	1380.8
02/18/05	22:00:39	21.79	54.085	7.27	60	55.46	28.005	8.00	-91.4	26.0	2.8	6.4
02/18/05	22:30:39	21.78	54.089	7.16	60	55.50	28.035	8.00	-91.6	20.2	2.9	1380.8
02/18/05	23:00:39	21.78	54.054	7.04	59	55.56	28.080	8.00	-91.2	12.9	2.8	6.6
02/18/05	23:30:39	21.76	54.875	6.76	59	55.48	28.007	8.00	-91.3	6.4	3.0	1380.7
02/19/05	00:00:39	21.74	54.081	6.63	59	55.54	28.062	8.00	-91.4	2.3	2.9	7.0
02/19/05	00:30:39	21.72	54.052	6.59	59	55.55	28.067	8.01	-91.9	1.1	2.9	579.6
02/19/05	01:00:39	21.73	54.281	6.56	59	55.45	27.996	8.01	-91.9	1.0	3.0	11.7
02/19/05	01:30:39	21.73	54.085	6.55	59	55.51	28.041	8.01	-92.1	1.1	2.9	1380.6
02/19/05	02:00:39	21.74	54.069	6.52	59	55.36	27.942	8.01	-92.0	1.2	2.9	6.7
02/19/05	02:30:39	21.74	54.063	6.44	59	55.49	28.031	8.01	-91.8	1.2	2.9	1380.6
02/19/05	03:00:39	21.80	54.069	6.50	59	55.35	27.931	8.01	-92.1	1.1	2.8	6.5
02/19/05	03:30:40	21.80	54.059	6.47	59	55.31	27.906	8.01	-92.0	1.2	3.0	1380.9
02/19/05	04:00:39	21.66	54.091	6.30	59	55.27	27.879	8.00	-91.5	1.2	3.0	6.8
02/19/05	04:30:39	21.58	54.063	6.24	59	55.24	27.852	8.00	-91.2	1.1	2.9	6.7
02/19/05	05:00:39	21.54	54.042	6.14	59	55.22	27.839	7.99	-90.8	1.1	2.9	1379.7
02/19/05	05:30:39	21.54	54.043	6.20	59	55.23	27.849	8.00	-91.2	1.1	2.9	8.1
02/19/05	06:00:40	21.54	54.076	6.19	59	55.17	27.808	8.00	-91.3	1.2	2.8	6.5
02/19/05	06:30:39	21.48	54.138	6.25	59	55.09	27.752	8.00	-91.4	1.1	2.9	1379.5

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/19/05	07:00:39	21.49	54.017	6.26	59	55.03	27.708	8.00	-91.6	1.1	3.0	6.8
02/19/05	07:30:39	21.53	54.226	6.20	59	54.83	27.573	8.01	-91.9	1.1	2.9	1379.7
02/19/05	08:00:39	21.56	54.037	6.31	59	55.04	27.715	8.01	-91.9	1.2	2.9	6.7
02/19/05	08:30:40	21.53	54.152	6.28	59	54.81	27.557	8.01	-91.9	1.1	2.9	1379.7
02/19/05	09:00:39	21.55	54.371	6.32	59	54.80	27.548	8.01	-92.0	1.0	2.9	6.7
02/19/05	09:30:39	21.56	54.171	6.31	59	54.80	27.550	8.01	-91.9	1.1	2.9	1379.8
02/19/05	10:00:39	21.56	54.064	6.34	59	54.74	27.515	8.01	-92.0	1.1	2.8	6.7
02/19/05	10:30:39	21.54	54.293	6.31	59	54.72	27.496	8.01	-91.9	1.1	2.9	1379.8
02/19/05	11:00:40	21.53	54.075	6.34	58	54.75	27.521	8.02	-92.2	1.1	2.9	7.0
02/19/05	11:30:39	21.53	54.088	6.34	59	54.61	27.425	8.02	-92.2	1.1	2.9	1379.7
02/19/05	12:00:39	21.49	54.158	6.30	59	54.91	27.625	8.01	-92.0	1.2	2.9	8.4
02/19/05	12:30:39	21.49	54.151	6.30	59	54.87	27.603	8.01	-91.9	1.2	2.9	1379.5
02/19/05	13:00:39	21.51	54.094	6.34	59	54.88	27.608	8.01	-92.1	2.3	2.9	7.0
02/19/05	13:30:40	21.48	54.020	6.40	59	54.96	27.662	8.01	-92.0	6.1	2.9	1379.5
02/19/05	14:00:39	21.43	53.996	6.48	59	55.02	27.701	8.01	-92.0	11.4	2.9	7.0
02/19/05	14:30:39	21.42	54.010	6.57	58	54.91	27.626	8.01	-91.9	11.4	2.9	1379.2
02/19/05	15:00:39	21.40	53.994	6.65	59	55.03	27.714	8.01	-92.0	22.1	2.8	6.3
02/19/05	15:30:39	21.40	53.979	6.81	59	55.11	27.764	8.02	-92.2	28.6	2.9	1379.1
02/19/05	16:00:40	21.39	54.099	6.91	59	55.12	27.769	8.02	-92.2	40.2	2.9	6.8
02/19/05	16:30:39	21.38	54.004	7.00	59	55.27	27.876	8.02	-92.2	38.4	2.9	1379.0
02/19/05	17:00:39	21.39	54.029	6.85	59	55.33	27.920	8.01	-91.9	25.7	2.9	6.9
02/19/05	17:30:39	21.38	53.983	7.14	60	55.26	27.868	8.02	-92.2	62.0	2.9	1379.0
02/19/05	18:00:39	21.40	54.024	6.95	59	55.44	27.993	8.01	-92.0	27.2	3.0	10.1
02/19/05	18:30:40	21.41	53.986	7.19	59	55.43	27.984	8.02	-92.3	67.2	2.9	1379.2
02/19/05	19:00:39	21.39	54.026	7.40	59	55.46	28.007	8.02	-92.2	64.4	3.0	7.0
02/19/05	19:30:39	21.42	53.957	7.51	59	55.52	28.047	8.02	-92.3	70.6	2.9	1379.2
02/19/05	20:00:39	21.41	54.553	7.03	59	55.54	28.054	8.01	-91.7	14.3	2.9	6.8
02/19/05	20:30:39	21.41	53.963	7.73	59	55.51	28.041	8.02	-92.3	47.4	2.9	1379.2
02/19/05	21:00:40	21.42	53.971	7.19	59	55.44	27.996	8.01	-92.0	21.5	3.0	6.9
02/19/05	21:30:39	21.53	54.013	6.72	60	55.53	28.058	8.01	-92.1	7.9	2.9	1379.7
02/19/05	22:00:39	21.59	54.025	6.95	60	55.46	28.005	8.01	-92.0	13.5	2.8	6.8
02/19/05	22:30:39	21.61	54.003	6.64	59	55.46	28.008	8.01	-91.9	5.5	2.9	1380.1
02/19/05	23:00:39	21.65	54.019	6.47	59	55.53	28.057	8.01	-91.7	2.1	2.9	6.9
02/19/05	23:30:40	21.67	53.992	6.48	58	55.44	27.995	8.01	-91.9	2.7	2.8	1380.3
02/20/05	00:00:39	21.72	54.006	6.42	59	55.61	28.111	8.01	-91.8	1.3	2.9	6.8
02/20/05	00:30:39	21.77	53.965	6.35	59	55.52	28.053	8.01	-91.8	1.1	2.9	1380.7
02/20/05	01:00:39	21.81	54.044	6.38	59	55.48	28.025	8.01	-92.0	1.2	3.0	7.6
02/20/05	01:30:39	21.86	54.004	6.37	59	55.51	28.042	8.01	-92.0	1.1	2.9	1381.1
02/20/05	02:00:40	21.92	54.011	6.44	60	55.45	28.005	8.01	-92.2	1.2	2.9	6.8
02/20/05	02:30:39	21.94	54.032	6.34	59	55.25	27.863	8.01	-92.1	1.1	3.0	6.9
02/20/05	03:00:39	22.00	54.091	6.34	60	55.42	27.985	8.01	-92.1	1.1	3.0	1381.7
02/20/05	03:30:39	22.04	54.010	6.40	60	55.31	27.907	8.02	-92.3	1.2	2.9	6.4
02/20/05	04:00:39	22.08	53.981	6.35	59	55.45	28.001	8.01	-92.2	1.2	2.8	6.8
02/20/05	04:30:40	22.10	54.061	6.36	59	55.19	27.825	8.01	-92.0	1.2	2.8	7.2
02/20/05	05:00:39	22.12	54.203	6.31	59	55.32	27.913	8.01	-92.0	1.1	2.9	6.9
02/20/05	05:30:39	22.16	54.338	6.32	59	55.15	27.793	8.01	-92.1	1.2	2.9	7.0
02/20/05	06:00:39	22.18	54.036	6.33	60	55.09	27.758	8.01	-92.2	1.1	2.9	6.9
02/20/05	06:30:39	22.21	54.054	6.34	59	55.13	27.783	8.01	-92.1	1.2	3.0	666.1
02/20/05	07:00:39	22.22	54.685	6.28	59	54.91	27.621	8.01	-91.9	1.1	2.9	7.1
02/20/05	07:30:39	22.26	54.386	6.23	59	54.98	27.681	8.00	-91.7	1.2	3.0	6.8
02/20/05	08:00:39	22.33	54.172	6.32	60	54.86	27.600	8.01	-92.1	1.1	3.0	7.0
02/20/05	08:30:39	22.39	54.784	6.28	59	54.83	27.569	8.01	-92.2	1.1	2.9	6.9
02/20/05	09:00:39	22.47	54.090	6.38	59	54.98	27.682	8.02	-92.5	1.1	3.0	6.8
02/20/05	09:30:39	22.52	54.006	6.37	59	54.90	27.627	8.02	-92.5	1.0	2.9	6.7
02/20/05	10:00:39	22.54	54.801	6.39	60	54.63	27.436	8.02	-92.7	1.1	2.9	7.0
02/20/05	10:30:39	22.56	54.964	6.40	60	54.56	27.380	8.02	-92.6	1.1	2.9	6.7
02/20/05	11:00:39	22.54	54.373	6.32	60	54.54	27.375	8.02	-92.4	1.1	2.9	6.8
02/20/05	11:30:39	22.48	54.114	6.35	60	54.63	27.440	8.01	-92.3	1.0	2.8	7.0
02/20/05	12:00:39	22.40	54.133	6.34	60	54.63	27.441	8.01	-92.2	1.1	2.9	6.6
02/20/05	12:30:39	21.78	54.001	6.23	59	54.73	27.505	8.00	-91.2	1.2	2.8	7.9
02/20/05	13:00:39	21.72	53.993	6.34	59	54.83	27.576	8.01	-91.8	2.1	3.0	6.8

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/20/05	13:30:39	21.82	54.021	6.42	59	54.82	27.566	8.01	-92.0	5.6	2.9	7.1
02/20/05	14:00:39	21.79	53.990	6.31	59	54.74	27.517	8.00	-91.4	8.5	2.9	7.4
02/20/05	14:30:39	21.82	53.987	6.57	59	54.79	27.550	8.00	-91.6	19.8	2.9	7.2
02/20/05	15:00:39	21.98	53.984	6.70	59	55.02	27.710	8.01	-92.2	25.0	3.0	6.7
02/20/05	15:30:39	22.07	54.006	6.97	59	55.01	27.701	8.02	-92.5	38.7	2.9	7.9
02/20/05	16:00:39	22.07	54.020	6.93	59	54.93	27.650	8.02	-92.4	32.5	2.9	7.2
02/20/05	16:30:39	22.01	53.994	6.88	59	55.01	27.699	8.01	-92.1	23.9	3.0	11.2
02/20/05	17:00:39	21.88	54.013	6.75	59	55.02	27.708	8.00	-91.5	23.4	3.0	7.0
02/20/05	17:30:39	21.80	54.856	6.87	59	55.32	27.898	8.00	-91.6	55.7	3.0	9.1
02/20/05	18:00:39	21.77	54.845	7.02	59	55.22	27.833	8.00	-91.6	66.0	2.9	7.3
02/20/05	18:30:39	21.75	54.840	7.24	59	55.49	28.020	8.00	-91.5	75.8	2.9	7.1
02/20/05	19:00:39	21.69	54.545	6.71	60	55.29	27.881	7.99	-90.8	30.6	2.8	7.0
02/20/05	19:30:39	21.66	54.225	6.78	59	55.31	27.899	7.99	-90.7	35.4	3.0	7.5
02/20/05	20:00:39	21.67	54.036	6.57	59	55.29	27.891	7.99	-90.8	26.9	2.8	7.0
02/20/05	20:30:39	21.68	53.980	7.24	59	55.37	27.948	8.00	-91.4	52.7	2.9	7.1
02/20/05	21:00:39	21.71	53.984	7.38	60	55.43	27.991	8.00	-91.6	50.3	2.9	7.3
02/20/05	21:30:40	21.75	53.984	6.71	59	55.53	28.055	8.00	-91.2	22.0	3.0	7.0
02/20/05	22:00:39	21.74	54.008	6.53	59	55.48	28.020	7.99	-91.0	14.5	3.0	7.3
02/20/05	22:30:39	21.76	53.996	6.36	59	55.48	28.024	7.99	-90.7	9.0	2.9	7.3
02/20/05	23:00:39	21.76	54.514	6.26	58	55.45	27.997	7.99	-90.7	7.0	2.8	6.7
02/20/05	23:30:39	21.77	54.623	6.14	59	55.48	28.012	7.99	-90.6	4.1	2.9	7.4
02/21/05	00:00:40	21.79	54.556	6.01	59	55.45	27.994	7.98	-90.3	1.8	3.0	563.3
02/21/05	00:30:39	21.80	54.468	5.82	59	55.34	27.919	7.97	-89.8	1.1	2.9	1380.9
02/21/05	01:00:39	21.82	54.396	5.88	59	55.31	27.900	7.98	-90.1	1.1	3.0	97.5
02/21/05	01:30:39	21.83	54.436	5.78	58	55.49	28.027	7.98	-90.1	1.2	2.9	1381.0
02/21/05	02:00:39	21.83	54.841	5.77	59	55.47	28.005	7.98	-90.0	1.1	2.9	273.0
02/21/05	02:30:40	21.84	54.843	5.68	58	55.53	28.047	7.97	-89.8	1.2	2.9	18.6
02/21/05	03:00:39	21.85	54.540	5.65	58	55.37	27.937	7.97	-89.7	1.1	2.9	14.0
02/21/05	03:30:39	21.85	54.150	5.63	59	55.16	27.805	7.97	-89.6	1.1	2.9	647.0
02/21/05	04:00:39	21.86	54.496	5.53	59	55.33	27.912	7.96	-89.4	1.2	2.9	19.7
02/21/05	04:30:39	21.89	54.706	5.44	59	55.39	27.953	7.96	-89.1	1.2	2.9	6.7
02/21/05	05:00:40	21.93	54.693	5.42	59	55.31	27.899	7.96	-89.1	1.1	2.9	574.8
02/21/05	05:30:39	21.94	54.738	5.45	59	55.20	27.823	7.96	-89.2	1.2	3.0	13.9
02/21/05	06:00:39	21.94	54.665	5.40	58	55.21	27.826	7.96	-89.1	1.1	3.0	602.4
02/21/05	06:30:39	21.96	54.462	5.39	59	55.05	27.719	7.96	-89.1	1.1	3.0	14.0
02/21/05	07:00:39	21.99	54.662	5.32	59	55.19	27.818	7.96	-89.1	1.0	2.9	861.8
02/21/05	07:30:40	22.04	54.462	5.40	58	55.07	27.737	7.96	-89.2	1.2	2.9	1377.8
02/21/05	08:00:39	22.52	54.153	6.16	60	54.95	27.665	8.01	-92.3	1.1	3.0	165.2
02/21/05	08:30:39	22.66	54.121	6.29	60	55.02	27.713	8.02	-92.8	1.2	2.9	876.3
02/21/05	09:00:39	22.65	54.161	6.35	60	54.98	27.686	8.02	-92.7	1.2	2.9	28.1
02/21/05	09:30:39	22.65	54.326	6.32	60	55.04	27.720	8.02	-92.7	1.2	3.0	549.8
02/21/05	10:00:40	22.64	54.310	6.27	60	54.78	27.542	8.02	-92.5	1.1	3.0	6.4
02/21/05	10:30:39	22.64	54.273	6.20	59	54.76	27.533	8.01	-92.3	1.1	3.1	6.5
02/21/05	11:00:39	22.60	53.896	6.19	59	54.69	27.486	8.01	-92.0	1.1	2.9	554.3
02/21/05	11:30:39	22.63	54.049	6.24	59	54.74	27.522	8.01	-92.3	1.1	2.8	19.1
02/21/05	12:00:39	22.67	54.726	6.23	59	54.65	27.448	8.02	-92.3	1.2	2.9	10.7
02/21/05	12:30:40	22.68	54.061	6.25	60	54.59	27.416	8.01	-92.3	1.1	2.9	743.5
02/21/05	13:00:39	22.68	54.116	6.28	60	54.69	27.483	8.02	-92.4	2.1	2.9	16.0
02/21/05	13:30:39	22.65	54.027	6.38	60	54.56	27.400	8.01	-92.3	6.9	2.9	48.4
02/21/05	14:00:39	22.53	54.113	6.45	59	54.62	27.433	8.01	-91.8	15.5	2.8	538.8
02/21/05	14:30:39	22.46	54.360	4.56	67	54.86	27.595	8.00	-91.7	18.8	2.9	1382.9
02/21/05	15:00:40	22.54	54.118	4.74	69	54.69	27.487	8.01	-91.9	24.1	2.9	8.0
02/21/05	15:30:39	22.61	54.141	2.83	71	54.81	27.568	8.01	-92.2	19.6	3.0	453.1
02/21/05	16:00:39	22.60	54.099	3.21	73	54.95	27.664	8.01	-92.1	20.6	3.0	16.2
02/21/05	16:30:39	22.61	54.100	3.08	73	54.97	27.680	8.02	-92.5	39.2	3.0	1320.6
02/21/05	17:00:39	22.57	54.091	3.23	73	55.14	27.792	8.02	-92.4	41.0	2.9	16.0
02/21/05	17:30:39	22.54	54.092	3.23	71	55.09	27.760	8.02	-92.5	42.8	2.9	462.0
02/21/05	18:00:39	22.57	54.034	3.44	71	55.10	27.770	8.03	-93.1	63.1	3.0	1384.2
02/21/05	18:30:39	22.44	54.046	3.45	70	55.19	27.825	8.02	-92.8	44.1	3.0	7.2
02/21/05	19:00:39	22.38	54.026	3.50	70	55.24	27.862	8.02	-92.7	26.9	3.0	9.2
02/21/05	19:30:39	22.28	53.982	3.47	69	55.25	27.872	8.02	-92.6	56.3	2.9	940.9

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/21/05	20:00:39	22.22	54.053	3.42	69	55.35	27.934	8.01	-92.2	28.6	3.0	12.6
02/21/05	20:30:39	22.10	54.286	3.43	69	55.37	27.948	8.00	-91.6	31.6	3.0	1007.0
02/21/05	21:00:39	22.07	53.968	3.36	69	55.48	28.027	8.00	-91.5	21.3	3.0	13.2
02/21/05	21:30:39	22.02	53.973	3.45	69	55.41	27.975	8.00	-91.6	26.8	3.0	659.6
02/21/05	22:00:39	22.07	54.012	3.44	69	55.42	27.984	8.01	-92.0	16.4	3.0	11.5
02/21/05	22:30:39	22.18	53.940	3.31	69	55.40	27.971	8.01	-92.2	11.5	3.1	1333.9
02/21/05	23:00:39	22.24	53.984	3.24	67	55.49	28.032	8.00	-91.7	8.4	2.9	13.0
02/21/05	23:30:39	22.24	53.993	3.24	67	55.44	27.996	8.01	-91.9	5.0	3.0	1331.5
02/22/05	00:00:39	22.25	54.871	3.16	67	55.48	28.016	8.01	-92.2	1.8	3.0	14.4
02/22/05	00:30:39	22.27	54.030	3.21	67	55.38	27.954	8.01	-92.3	1.2	3.0	1120.6
02/22/05	01:00:39	22.28	53.990	3.14	66	55.37	27.949	8.02	-92.5	1.2	3.1	18.8
02/22/05	01:30:39	22.28	53.956	3.18	67	55.40	27.972	8.02	-92.5	1.1	3.0	1377.3
02/22/05	02:00:39	22.28	53.995	3.37	66	55.37	27.953	8.02	-92.3	1.2	3.0	13.2
02/22/05	02:30:39	22.24	53.936	3.23	66	55.39	27.967	8.02	-92.8	1.2	2.9	8.7
02/22/05	03:00:40	22.23	53.915	3.33	66	55.40	27.972	8.03	-93.0	1.0	2.9	1382.8
02/22/05	03:30:39	22.22	53.909	3.91	67	55.33	27.925	8.03	-93.1	1.1	3.0	1331.1
02/22/05	04:00:39	22.21	53.955	3.38	66	55.32	27.915	8.03	-93.2	1.2	3.0	6.7
02/22/05	04:30:39	22.21	53.916	3.41	66	55.30	27.904	8.03	-93.0	1.3	3.0	13.7
02/22/05	05:00:39	22.21	54.214	3.45	65	55.25	27.864	8.03	-92.9	1.2	3.0	1060.7
02/22/05	05:30:40	22.20	53.919	3.46	66	55.28	27.891	8.03	-93.0	1.1	3.0	1382.6
02/22/05	06:00:39	22.19	54.839	3.35	64	55.20	27.821	8.03	-93.0	1.2	3.1	95.0
02/22/05	06:30:39	22.18	53.864	3.44	64	55.15	27.803	8.03	-93.0	1.2	2.9	12.1
02/22/05	07:00:39	22.18	54.016	3.51	64	55.11	27.771	8.03	-92.9	1.2	3.0	8.1
02/22/05	07:30:39	22.20	54.563	3.52	65	55.13	27.775	8.03	-93.0	1.1	3.0	6.9
02/22/05	08:00:40	22.20	53.867	3.53	64	55.01	27.702	8.03	-93.1	1.2	3.1	1382.6
02/22/05	08:30:39	22.18	53.929	3.14	64	54.99	27.689	8.02	-92.8	1.1	3.0	14.4
02/22/05	09:00:39	22.18	53.899	3.59	64	54.95	27.665	8.03	-92.8	1.1	3.0	1382.6
02/22/05	09:30:39	22.18	53.918	3.53	64	54.89	27.623	8.03	-93.0	1.2	3.0	158.9
02/22/05	10:00:39	22.19	53.883	3.73	64	54.90	27.628	8.03	-93.1	1.2	2.9	1382.6
02/22/05	10:30:40	22.21	53.876	3.59	62	54.83	27.583	8.03	-93.1	1.3	3.0	7.3
02/22/05	11:00:39	22.23	53.889	3.65	63	54.77	27.540	8.03	-93.3	1.1	2.9	1382.8
02/22/05	11:30:39	22.23	53.887	4.01	63	54.69	27.484	8.03	-93.3	1.2	2.9	9.7
02/22/05	12:00:39	22.22	53.900	3.66	63	54.80	27.559	8.04	-93.4	1.3	2.9	1382.7
02/22/05	12:30:39	22.20	53.895	3.64	62	54.69	27.486	8.03	-93.1	1.2	3.0	223.6
02/22/05	13:00:40	22.21	53.908	3.60	62	54.68	27.480	8.02	-92.8	2.4	2.9	1342.8
02/22/05	13:30:39	22.18	53.925	3.79	62	54.70	27.494	8.03	-93.3	4.7	2.9	7.0
02/22/05	14:00:39	22.15	54.813	4.00	61	54.68	27.461	8.03	-93.0	13.2	2.9	8.6
02/22/05	14:30:39	22.14	54.515	3.95	60	54.77	27.528	8.03	-93.2	22.1	2.9	1382.4
02/22/05	15:00:39	22.12	54.479	4.15	61	54.76	27.523	8.03	-92.9	17.9	3.0	16.3
02/22/05	15:30:39	22.03	54.650	4.03	61	54.77	27.528	8.03	-93.1	33.8	3.1	1306.2
02/22/05	16:00:39	22.01	54.620	4.10	60	54.92	27.629	8.03	-93.2	29.5	2.9	10.1
02/22/05	16:30:39	22.02	54.543	4.39	60	54.90	27.617	8.04	-93.4	55.6	3.0	22.8
02/22/05	17:00:39	21.89	54.045	4.36	60	54.93	27.646	8.03	-92.9	49.5	2.9	950.5
02/22/05	17:30:39	21.87	53.968	4.41	60	55.01	27.704	8.03	-93.0	42.0	2.9	10.0
02/22/05	18:00:39	21.91	54.015	4.33	60	55.10	27.764	8.02	-92.7	34.6	2.9	8.7
02/22/05	18:30:39	22.02	53.934	4.23	60	55.17	27.810	8.02	-92.7	23.3	3.0	1381.8
02/22/05	19:00:39	22.09	53.887	4.25	60	55.17	27.811	8.03	-93.0	22.0	2.9	18.9
02/22/05	19:30:39	22.10	53.877	4.34	60	55.26	27.877	8.03	-93.2	28.3	2.9	8.8
02/22/05	20:00:39	22.10	53.918	4.27	60	55.26	27.877	8.03	-93.0	26.1	2.9	1382.1
02/22/05	20:30:39	22.09	53.891	4.39	60	55.28	27.890	8.03	-93.3	44.7	2.9	25.6
02/22/05	21:00:39	22.07	53.858	4.30	60	55.28	27.888	8.03	-93.0	27.4	3.0	1382.0
02/22/05	21:30:39	22.06	53.863	4.63	59	55.33	27.922	8.03	-92.8	22.7	3.1	104.1
02/22/05	22:00:39	22.07	53.896	4.36	59	55.27	27.880	8.02	-92.7	21.1	2.8	1382.1
02/22/05	22:30:40	22.08	53.842	4.27	60	55.35	27.938	8.02	-92.5	12.9	2.9	84.8
02/22/05	23:00:39	22.08	53.910	4.26	60	55.40	27.973	8.02	-92.3	10.2	3.0	1382.2
02/22/05	23:30:39	22.08	53.858	4.09	60	55.30	27.902	8.02	-92.7	6.0	3.0	94.3
02/23/05	00:00:39	22.09	53.850	3.98	60	55.32	27.919	8.02	-92.3	2.1	3.0	12.0
02/23/05	00:30:39	22.16	53.879	3.94	60	55.32	27.916	8.02	-92.6	1.2	2.9	791.7
02/23/05	01:00:40	22.18	53.808	3.95	60	55.30	27.908	8.02	-92.5	1.1	3.0	1370.1
02/23/05	01:30:39	22.17	53.808	3.84	60	55.27	27.888	8.02	-92.8	1.1	3.0	6.8
02/23/05	02:00:39	22.17	53.803	3.88	60	55.41	27.983	8.02	-92.8	1.2	3.0	1028.3

Appendix 5
Water Quality Data

West Flower Garden Bank												
November 19, 2004 - February 23, 2005												
Date M/D/Y	Time	Temp C	SpCond mS/cm/sec	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	pHmV	PAR1 µeinst/ sec*m2	PAR2	Turbidity NTU
02/23/05	02:30:39	22.19	54.008	3.87	60	55.29	27.892	8.03	-93.1	1.2	2.8	14.9
02/23/05	03:00:39	22.18	53.839	3.86	60	55.32	27.918	8.03	-93.0	1.2	3.0	1070.1
02/23/05	03:30:40	22.17	53.896	3.88	59	55.32	27.916	8.03	-92.9	1.2	2.9	1382.5
02/23/05	04:00:39	22.17	53.816	3.85	59	55.32	27.918	8.03	-93.0	1.2	2.8	7.0
02/23/05	04:30:39	22.18	53.959	3.91	59	55.28	27.892	8.03	-93.1	1.2	2.9	11.9
02/23/05	05:00:39	22.20	53.794	4.12	59	55.29	27.897	8.03	-92.9	1.2	2.9	13.4
02/23/05	05:30:39	22.22	53.794	3.85	59	55.28	27.890	8.03	-92.9	1.1	2.7	1081.9
02/23/05	06:00:40	22.20	53.823	3.90	59	55.26	27.877	8.02	-92.8	1.1	2.9	12.2
02/23/05	06:30:39	22.20	53.830	3.83	60	55.25	27.875	8.03	-92.9	1.1	3.0	17.2
02/23/05	07:00:39	22.23	54.071	3.89	60	55.24	27.863	8.02	-92.8	1.2	3.0	7.3
02/23/05	07:30:39	22.25	53.852	3.76	60	55.21	27.840	8.02	-92.8	1.2	3.0	9.5
02/23/05	08:00:39	22.26	53.810	3.78	60	55.08	27.758	8.02	-92.8	1.2	2.9	7.2
02/23/05	08:30:40	22.26	53.853	3.75	60	55.15	27.799	8.02	-92.7	1.2	2.8	439.1
02/23/05	09:00:39	22.28	53.783	3.79	59	55.00	27.699	8.02	-92.8	1.0	2.9	26.5
02/23/05	09:30:39	22.30	53.796	3.81	60	54.95	27.667	8.03	-93.0	1.2	2.9	882.5
02/23/05	10:00:39	22.32	53.810	3.85	60	54.92	27.648	8.03	-92.9	1.2	3.0	16.5
02/23/05	10:30:39	22.32	53.789	3.83	59	54.90	27.629	8.02	-92.7	1.2	2.9	646.8
02/23/05	11:00:39	22.35	53.825	3.82	59	54.88	27.620	8.02	-92.7	1.2	3.0	17.3
02/23/05	11:30:39	22.35	53.904	3.90	59	54.85	27.596	8.03	-92.9	1.2	2.9	7.1
02/23/05	12:00:39	22.35	53.787	3.82	59	54.72	27.510	8.02	-92.8	1.2	3.0	29.7
02/23/05	12:30:39	22.34	53.856	3.84	58	54.72	27.510	8.03	-93.0	1.1	3.0	439.8
02/23/05	13:00:39	22.33	53.799	3.80	59	54.76	27.532	8.03	-93.0	1.8	3.0	25.3
02/23/05	13:30:39	22.34	53.790	3.87	59	54.74	27.521	8.02	-92.7	3.4	3.0	1383.3
02/23/05	14:00:39	22.35	53.793	3.96	58	54.72	27.506	8.02	-92.8	10.6	2.9	50.2
02/23/05	14:30:39	22.36	54.015	4.03	58	54.79	27.557	8.02	-92.7	9.4	3.0	1383.3
02/23/05	15:00:39	22.57	54.397	4.13	59	24.91	7.013	8.04	-93.6	27.8	2.9	6.7
02/23/05	15:30:39	22.67	1.101	8.46	64	14.72	0.012	7.88	-85.1	103.8	2.9	23.9
02/23/05	16:00:39	22.90	1.018	8.05	61	14.73	0.020	7.55	-66.9	103.7	3.0	23.8
02/23/05	16:30:39	23.54	0.900	8.04	60	14.73	0.019	7.49	-63.7	208.5	2.9	23.3
02/23/05	17:00:39	22.24	0.518	43.45	19	14.73	0.019	8.56	-122.2	1.1	2.8	11.0
02/23/05	17:30:39	20.02	0.151	8.80	76	14.73	0.023	7.56	-67.0	1.1	2.9	10.0
02/23/05	18:00:39	20.97	0.111	7.69	65	14.73	0.023	7.19	-46.9	1.2	2.8	7.3

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/9/2005	21.23	7.53	32	0.002	0.00	15.01	10.594	9.97	-0.4	25.9
5/9/2005	21.08	7.54	32	0.002	0.00	15.00	10.585	9.99	-0.3	24.0
5/9/2005	20.93	7.56	32	0.002	0.00	15.00	10.585	9.99	-0.4	24.7
5/9/2005	20.78	7.58	32	0.002	0.00	14.99	10.581	9.99	-0.4	25.2
5/9/2005	20.64	7.59	32	0.002	0.00	14.97	10.563	9.99	-0.3	25.2
5/9/2005	20.49	7.61	32	0.002	0.00	14.96	10.552	10.00	-0.3	25.0
5/9/2005	20.34	7.64	32	0.002	0.00	14.96	10.554	10.00	-0.4	24.3
5/9/2005	20.20	7.66	32	0.002	0.00	14.96	10.557	10.00	-0.4	24.3
5/9/2005	20.06	7.69	32	0.002	0.00	14.96	10.556	10.00	-0.4	26.4
5/9/2005	19.92	7.71	32	0.002	0.00	14.96	10.553	10.00	-0.4	26.4
5/9/2005	19.77	7.73	32	0.002	0.00	14.95	10.550	10.00	-0.4	24.4
5/9/2005	19.63	7.75	32	0.002	0.00	14.95	10.550	10.00	-0.3	25.4
5/9/2005	19.50	7.77	32	0.002	0.00	14.96	10.552	10.00	-0.4	24.2
5/9/2005	19.39	7.80	32	0.002	0.00	14.97	10.558	10.00	-0.3	25.2
5/9/2005	19.28	7.82	32	0.002	0.00	14.97	10.563	10.00	-0.3	24.3
5/9/2005	19.18	7.84	32	0.002	0.00	14.98	10.566	10.00	-0.3	24.7
5/9/2005	19.09	7.86	32	0.002	0.00	14.98	10.570	10.00	-0.3	23.9
5/9/2005	19.02	7.87	32	0.002	0.00	14.99	10.572	10.00	-0.3	24.1
5/9/2005	19.05	7.87	32	0.002	0.00	14.99	10.574	9.99	-0.4	23.9
5/9/2005	19.18	7.85	32	0.002	0.00	14.99	10.578	9.97	-0.3	24.7
5/9/2005	19.37	7.81	32	0.002	0.00	15.00	10.578	9.96	-0.4	26.6
5/9/2005	19.62	7.77	32	0.002	0.00	15.00	10.580	9.94	-0.3	25.0
5/9/2005	19.91	7.71	32	0.002	0.00	15.00	10.582	9.93	-0.3	23.9
5/9/2005	20.19	7.66	32	0.002	0.00	15.00	10.584	9.92	-0.3	24.5
5/9/2005	20.46	7.61	32	0.002	0.00	15.00	10.584	9.91	-0.3	23.0
5/9/2005	20.73	7.56	32	0.002	0.00	15.00	10.584	9.90	-0.4	22.8
5/9/2005	21.03	7.51	32	0.002	0.00	15.00	10.583	9.90	-0.3	23.7
5/9/2005	21.27	7.47	32	0.002	0.00	14.99	10.581	9.89	-0.3	23.6
5/9/2005	21.37	7.45	32	0.002	0.00	14.99	10.579	9.90	-0.4	23.8
5/9/2005	21.38	7.46	32	0.002	0.00	14.98	10.575	9.91	-0.3	23.5
5/9/2005	21.39	7.46	32	0.002	0.00	14.99	10.581	9.90	-0.3	23.6
5/9/2005	22.34	7.28	32	0.002	0.00	14.99	10.580	9.83	-0.4	23.3
5/9/2005	23.61	7.05	32	0.002	0.00	14.99	10.582	9.75	-0.3	21.6
5/9/2005	24.80	6.87	32	0.002	0.00	14.99	10.585	9.69	-0.3	21.1
5/9/2005	25.93	6.70	32	0.002	0.00	14.99	10.594	9.68	-0.3	20.5
5/9/2005	26.52	6.64	32	0.007	0.00	15.00	10.598	9.79	-0.3	20.6
5/9/2005	26.89	6.61	32	0.008	0.00	15.02	10.618	9.87	-0.3	22.2
5/9/2005	27.12	6.60	32	0.009	0.00	15.05	10.639	9.90	-0.3	22.3
5/9/2005	27.22	6.60	33	0.009	0.00	15.05	10.635	9.92	-0.3	23.6
5/9/2005	26.95	6.66	33	0.009	0.00	15.05	10.634	9.93	-0.3	25.0
5/9/2005	26.43	6.75	32	0.009	0.00	15.04	10.631	9.94	-0.3	24.5
5/9/2005	25.93	6.84	33	0.008	0.00	15.05	10.632	9.95	-0.4	25.2
5/9/2005	25.51	6.90	32	0.008	0.00	15.05	10.632	9.95	-0.4	24.7
5/9/2005	25.17	6.96	32	0.008	0.00	15.05	10.632	9.95	-0.3	24.5
5/9/2005	23.60	7.16	32	0.007	0.00	15.05	10.628	9.86	-0.3	32.4
5/9/2005	22.92	7.17	32	0.008	0.00	15.05	10.628	9.81	0.0	433.3
5/9/2005	22.59	7.23	32	0.006	0.00	15.05	10.627	9.76	0.0	246.4
5/9/2005	22.48	7.24	32	0.006	0.00	15.05	10.621	9.71	0.0	228.5
5/10/2005	22.39	7.25	32	0.006	0.00	15.04	10.615	9.68	0.0	220.7
5/10/2005	22.25	7.28	32	0.006	0.00	15.03	10.612	9.68	0.0	217.5
5/10/2005	22.16	7.29	32	0.006	0.00	15.04	10.614	9.69	0.0	217.5
5/10/2005	22.26	7.27	32	0.006	0.00	15.03	10.612	9.65	0.0	218.5
5/10/2005	22.17	7.29	32	0.006	0.00	15.03	10.610	9.66	0.0	226.1
5/10/2005	22.01	7.31	32	0.005	0.00	15.03	10.606	9.68	0.0	226.2
5/10/2005	22.00	7.31	32	0.005	0.00	15.03	10.607	9.68	0.0	228.0
5/10/2005	22.10	7.32	32	0.005	0.00	15.03	10.608	9.66	0.0	232.1
5/10/2005	22.13	7.34	32	0.005	0.00	15.03	10.610	9.65	0.0	240.1
5/10/2005	22.13	7.36	32	0.005	0.00	15.03	10.611	9.66	0.0	245.1

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/10/2005	22.02	7.39	32	0.005	0.00	15.04	10.614	9.67	0.0	253.6
5/10/2005	22.05	7.38	32	0.005	0.00	15.04	10.617	9.72	0.0	268.6
5/10/2005	22.26	7.36	32	0.005	0.00	15.05	10.624	9.73	0.0	294.9
5/10/2005	22.10	7.40	32	0.004	0.00	15.06	10.632	9.75	0.2	328.3
5/10/2005	22.56	7.33	32	0.004	0.00	15.08	10.643	9.71	5.3	362.7
5/10/2005	23.26	7.30	32	0.002	0.00	15.10	10.664	9.89	50.4	19.0
5/10/2005	23.82	7.40	33	0.001	0.00	15.13	10.680	10.13	62.5	18.1
5/10/2005	23.08	5.55	36	53.874	35.64	56.00	38.500	8.15	34.8	-0.1
5/10/2005	23.09	5.52	35	53.830	35.61	55.99	38.495	8.16	49.1	0.0
5/10/2005	23.09	5.56	35	53.847	35.62	55.98	38.484	8.16	64.2	0.0
5/10/2005	23.11	5.64	35	53.842	35.61	55.97	38.479	8.16	79.3	0.0
5/10/2005	23.14	5.69	35	53.839	35.61	55.95	38.468	8.17	92.1	-0.1
5/10/2005	23.18	5.84	35	53.841	35.61	55.92	38.448	8.17	102.2	0.0
5/10/2005	23.36	6.09	35	53.895	35.65	55.89	38.429	8.19	114.3	0.0
5/10/2005	23.40	6.13	35	53.887	35.64	55.86	38.409	8.19	124.4	1.0
5/10/2005	23.40	6.20	35	53.899	35.65	55.84	38.393	8.19	112.6	19.5
5/10/2005	23.41	6.23	36	53.924	35.67	55.81	38.367	8.19	95.6	0.8
5/10/2005	23.44	6.23	35	53.909	35.66	55.79	38.356	8.20	90.8	0.9
5/10/2005	23.47	6.29	35	53.920	35.67	55.74	38.323	8.20	122.9	-0.3
5/10/2005	23.47	6.28	35	53.923	35.67	55.69	38.291	8.20	114.6	-0.3
5/10/2005	23.45	6.26	35	53.929	35.67	55.63	38.246	8.20	104.3	-0.4
5/10/2005	23.48	6.23	35	53.951	35.69	55.57	38.206	8.20	98.9	-0.5
5/10/2005	23.49	6.18	35	53.980	35.71	55.52	38.168	8.20	95.7	-0.4
5/10/2005	23.51	6.13	35	53.989	35.72	55.47	38.139	8.20	42.3	-0.5
5/10/2005	23.53	6.12	35	53.996	35.72	55.40	38.090	8.20	47.5	-0.6
5/10/2005	23.56	6.10	35	54.018	35.74	55.35	38.055	8.20	43.7	-0.6
5/10/2005	23.56	6.06	35	54.022	35.74	55.27	37.999	8.20	30.6	-0.1
5/10/2005	23.54	6.03	35	54.028	35.75	55.20	37.948	8.20	17.8	-0.7
5/10/2005	23.53	5.99	35	54.016	35.74	55.15	37.916	8.20	10.8	-0.7
5/10/2005	23.51	5.96	33	54.009	35.73	55.09	37.874	8.20	4.2	-0.7
5/10/2005	23.49	5.90	33	54.000	35.73	55.03	37.831	8.19	0.3	-0.8
5/10/2005	23.48	5.86	33	53.999	35.73	54.97	37.790	8.19	0.1	-0.8
5/10/2005	23.45	5.84	33	53.998	35.73	54.93	37.763	8.19	0.1	-0.8
5/10/2005	23.42	5.83	33	54.012	35.74	54.92	37.755	8.19	0.1	-0.8
5/10/2005	23.42	5.78	33	54.011	35.74	54.88	37.729	8.19	0.1	-0.8
5/10/2005	23.44	5.75	33	54.031	35.75	54.86	37.715	8.19	0.1	-0.9
5/10/2005	23.45	5.79	33	54.010	35.73	54.89	37.738	8.20	0.1	-0.9
5/10/2005	23.44	5.66	33	54.009	35.73	54.91	37.753	8.19	0.1	-0.7
5/11/2005	23.44	5.59	33	54.009	35.73	54.94	37.773	8.18	0.1	-0.9
5/11/2005	23.44	5.40	33	54.009	35.73	54.97	37.792	8.17	0.1	-0.9
5/11/2005	23.44	5.41	33	54.016	35.74	55.01	37.821	8.17	0.1	-0.9
5/11/2005	23.43	5.39	33	54.027	35.75	55.08	37.864	8.18	0.1	-1.0
5/11/2005	23.43	5.40	33	54.018	35.74	55.14	37.906	8.18	0.0	-1.0
5/11/2005	23.43	5.26	33	54.017	35.74	55.22	37.961	8.17	0.1	-0.9
5/11/2005	23.43	5.29	33	54.031	35.75	55.29	38.012	8.17	0.1	-1.0
5/11/2005	23.43	5.19	33	54.021	35.74	55.35	38.050	8.17	0.1	-1.0
5/11/2005	23.43	5.20	33	54.045	35.76	55.41	38.094	8.17	0.1	-1.0
5/11/2005	23.37	5.53	33	53.973	35.71	55.49	38.150	8.19	0.1	-1.0
5/11/2005	23.36	5.55	33	53.975	35.71	55.55	38.188	8.19	0.1	-1.0
5/11/2005	23.37	5.56	33	54.028	35.75	55.61	38.230	8.19	0.1	-0.9
5/11/2005	23.37	5.61	33	53.987	35.72	55.70	38.293	8.19	0.1	-1.0
5/11/2005	23.48	5.67	33	53.966	35.70	55.73	38.315	8.19	0.8	-1.0
5/11/2005	23.45	5.71	33	54.010	35.73	55.75	38.328	8.19	5.4	-1.0
5/11/2005	23.38	5.67	33	54.009	35.73	55.78	38.345	8.19	13.0	-1.0
5/11/2005	23.37	5.58	33	54.033	35.75	55.83	38.379	8.18	23.0	-0.9
5/11/2005	23.40	5.64	33	54.079	35.79	55.85	38.394	8.19	35.5	-1.0
5/11/2005	23.41	5.72	33	54.076	35.78	55.86	38.399	8.19	48.9	-1.0
5/11/2005	23.42	5.76	33	54.075	35.78	55.87	38.405	8.19	61.5	-1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/11/2005	23.43	5.85	33	54.075	35.78	55.86	38.404	8.19	76.4	-1.0
5/11/2005	23.44	5.94	33	54.068	35.78	55.83	38.378	8.19	90.0	-0.7
5/11/2005	23.45	5.96	33	54.076	35.78	55.81	38.370	8.20	102.1	-1.0
5/11/2005	23.48	6.10	33	54.063	35.77	55.81	38.371	8.20	109.9	-0.9
5/11/2005	23.48	6.25	33	54.060	35.77	55.80	38.360	8.20	118.9	-0.9
5/11/2005	23.50	6.32	35	54.060	35.77	55.76	38.332	8.21	123.2	-1.0
5/11/2005	23.53	6.49	33	54.045	35.76	55.73	38.314	8.21	123.1	-1.0
5/11/2005	23.52	6.26	35	54.057	35.77	55.71	38.301	8.21	122.8	-1.0
5/11/2005	23.54	6.29	33	54.051	35.76	55.67	38.271	8.21	116.3	-1.0
5/11/2005	23.52	6.27	33	54.079	35.78	55.63	38.241	8.21	110.7	-0.8
5/11/2005	23.53	6.30	33	54.078	35.78	55.58	38.213	8.21	101.0	-1.0
5/11/2005	23.54	6.34	33	54.082	35.79	55.57	38.207	8.22	90.4	-1.0
5/11/2005	23.52	6.31	33	54.078	35.78	55.53	38.176	8.21	78.5	-1.0
5/11/2005	23.51	6.31	33	54.062	35.77	55.47	38.139	8.22	66.8	-0.9
5/11/2005	23.50	6.25	33	54.035	35.75	55.41	38.092	8.22	53.0	-1.0
5/11/2005	23.45	6.18	33	54.031	35.75	55.35	38.056	8.22	41.0	-1.0
5/11/2005	23.43	6.14	33	54.011	35.74	55.31	38.022	8.21	28.9	-1.0
5/11/2005	23.41	6.12	33	54.024	35.75	55.25	37.986	8.22	18.8	-1.0
5/11/2005	23.40	6.07	33	54.065	35.78	55.20	37.948	8.21	10.3	-1.0
5/11/2005	23.39	6.03	33	54.064	35.78	55.14	37.909	8.22	4.0	-1.0
5/11/2005	23.40	5.94	33	54.010	35.73	55.09	37.873	8.21	0.4	-1.0
5/11/2005	23.38	5.96	33	54.021	35.74	55.03	37.831	8.21	0.1	-0.9
5/11/2005	23.42	5.92	33	53.996	35.72	55.02	37.826	8.21	0.1	-1.0
5/11/2005	23.43	5.91	33	54.016	35.74	54.98	37.795	8.21	0.1	-1.0
5/11/2005	23.42	5.91	33	54.024	35.75	54.98	37.795	8.21	0.1	-1.0
5/11/2005	23.44	5.88	33	54.030	35.75	54.95	37.778	8.21	0.1	-1.0
5/11/2005	23.46	5.89	33	54.030	35.75	54.94	37.772	8.22	0.1	-0.9
5/11/2005	23.44	5.95	33	54.011	35.74	54.95	37.774	8.22	0.1	-1.0
5/12/2005	23.42	5.96	33	54.000	35.73	54.98	37.796	8.22	0.1	-1.0
5/12/2005	23.36	5.96	33	54.006	35.73	54.98	37.795	8.22	0.1	-1.0
5/12/2005	23.32	5.98	33	53.975	35.71	55.02	37.824	8.22	0.1	-1.0
5/12/2005	23.29	5.98	33	53.964	35.70	55.07	37.860	8.22	0.1	-1.0
5/12/2005	23.28	5.96	33	53.960	35.70	55.11	37.888	8.22	0.1	-1.0
5/12/2005	23.27	5.96	33	53.953	35.70	55.17	37.929	8.22	0.1	-0.9
5/12/2005	23.26	5.93	33	53.859	35.63	55.22	37.968	8.22	0.1	-1.0
5/12/2005	23.24	5.95	33	54.002	35.73	55.30	38.020	8.22	0.1	-1.0
5/12/2005	23.25	5.91	33	54.003	35.73	55.38	38.073	8.22	0.1	-1.0
5/12/2005	23.33	5.90	33	54.007	35.73	55.47	38.138	8.22	0.1	-1.0
5/12/2005	23.36	5.94	33	53.991	35.72	55.54	38.183	8.22	0.1	-0.9
5/12/2005	23.38	5.92	33	54.025	35.75	55.60	38.226	8.22	0.1	-1.0
5/12/2005	23.39	5.88	33	54.027	35.75	55.68	38.277	8.22	0.1	-0.9
5/12/2005	23.39	5.86	33	54.030	35.75	55.72	38.310	8.22	0.9	-1.0
5/12/2005	23.40	5.83	33	54.006	35.73	55.79	38.355	8.22	4.9	-1.0
5/12/2005	23.40	5.81	33	54.011	35.74	55.84	38.387	8.21	11.3	-1.0
5/12/2005	23.41	5.86	33	53.992	35.72	55.84	38.390	8.22	21.9	-1.0
5/12/2005	23.41	5.83	33	54.020	35.74	55.90	38.428	8.21	34.3	-0.9
5/12/2005	23.42	5.90	33	54.005	35.73	55.92	38.446	8.21	37.1	-1.0
5/12/2005	23.42	5.86	33	53.991	35.72	55.93	38.451	8.21	51.2	-1.0
5/12/2005	23.46	6.09	33	53.961	35.70	55.92	38.449	8.22	65.8	-1.0
5/12/2005	23.45	6.19	33	53.953	35.69	55.94	38.460	8.22	90.8	-0.9
5/12/2005	23.36	6.24	33	53.967	35.70	55.95	38.466	8.22	100.2	-1.0
5/12/2005	23.25	6.33	33	53.969	35.71	55.88	38.418	8.23	110.2	-1.0
5/12/2005	23.25	6.44	33	53.972	35.71	55.90	38.430	8.23	117.3	-1.0
5/12/2005	23.27	6.52	33	54.001	35.73	55.86	38.403	8.23	124.5	-1.0
5/12/2005	23.32	6.72	35	53.984	35.72	55.84	38.388	8.24	121.3	-1.0
5/12/2005	23.34	6.75	35	54.019	35.74	55.83	38.381	8.24	124.9	-1.0
5/12/2005	23.35	6.71	35	54.025	35.75	55.77	38.340	8.24	103.2	-1.0
5/12/2005	23.40	6.69	35	54.031	35.75	55.77	38.338	8.24	106.3	-1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/12/2005	23.43	6.65	35	54.020	35.74	55.71	38.299	8.23	97.3	-1.0
5/12/2005	23.45	6.52	35	54.021	35.74	55.68	38.279	8.23	78.2	-0.8
5/12/2005	23.39	6.42	33	54.019	35.74	55.63	38.247	8.23	67.3	-1.0
5/12/2005	23.28	6.33	33	54.000	35.73	55.55	38.186	8.23	51.2	-1.0
5/12/2005	23.35	6.33	33	54.030	35.75	55.51	38.165	8.23	50.6	-1.0
5/12/2005	23.36	6.29	33	54.053	35.77	55.46	38.128	8.23	39.3	-1.0
5/12/2005	23.34	6.24	33	54.058	35.77	55.41	38.095	8.23	23.6	-0.9
5/12/2005	23.34	6.19	33	54.066	35.78	55.35	38.053	8.23	17.2	-1.0
5/12/2005	23.34	6.15	33	54.066	35.78	55.30	38.016	8.23	8.6	-1.0
5/12/2005	23.36	6.07	33	54.068	35.78	55.25	37.980	8.23	3.5	-1.0
5/12/2005	23.37	5.99	33	54.068	35.78	55.18	37.934	8.23	0.4	-1.0
5/12/2005	23.36	5.98	33	54.086	35.79	55.15	37.914	8.23	0.1	-0.9
5/12/2005	23.31	5.99	33	54.014	35.74	55.10	37.878	8.23	0.1	-0.9
5/12/2005	23.37	6.05	33	54.063	35.78	55.10	37.879	8.23	0.1	-1.0
5/12/2005	23.40	6.01	33	54.080	35.79	55.03	37.829	8.23	0.1	-1.0
5/12/2005	23.40	5.96	33	54.080	35.79	55.01	37.819	8.23	0.1	-1.0
5/12/2005	23.40	5.93	33	54.088	35.79	54.97	37.792	8.23	0.1	-1.0
5/12/2005	23.40	5.91	33	54.086	35.79	54.95	37.778	8.22	0.1	-1.0
5/13/2005	23.45	5.79	33	54.102	35.80	54.96	37.783	8.22	0.1	-1.0
5/13/2005	23.64	5.93	33	54.177	35.85	54.97	37.789	8.23	0.1	-1.0
5/13/2005	23.60	5.72	33	54.184	35.86	54.96	37.781	8.21	0.1	-1.0
5/13/2005	23.65	5.68	33	54.186	35.86	54.99	37.807	8.21	0.1	-1.0
5/13/2005	23.67	5.59	33	54.191	35.86	55.02	37.822	8.21	0.1	-1.0
5/13/2005	23.67	5.84	33	54.192	35.87	55.04	37.838	8.22	0.1	-1.0
5/13/2005	23.64	5.62	33	54.183	35.86	55.12	37.892	8.21	0.1	-1.0
5/13/2005	23.65	5.50	33	54.196	35.87	55.19	37.938	8.20	0.1	-0.9
5/13/2005	23.64	5.27	32	54.186	35.86	55.25	37.980	8.19	0.1	-1.0
5/13/2005	23.65	5.38	33	54.177	35.85	55.30	38.020	8.19	0.1	-1.0
5/13/2005	23.68	5.66	33	54.183	35.86	55.38	38.073	8.21	0.1	-1.0
5/13/2005	23.69	5.88	33	54.160	35.84	55.44	38.115	8.22	0.1	-0.9
5/13/2005	23.66	5.94	33	54.131	35.82	55.52	38.170	8.22	0.1	-1.0
5/13/2005	23.53	5.96	33	54.101	35.80	55.56	38.199	8.23	0.8	-0.8
5/13/2005	23.52	5.96	33	54.054	35.77	55.63	38.247	8.23	5.6	-1.0
5/13/2005	23.49	6.04	33	54.037	35.75	55.70	38.294	8.23	10.6	-1.0
5/13/2005	23.50	6.07	33	54.050	35.76	55.73	38.313	8.23	15.0	-0.9
5/13/2005	23.51	6.10	33	54.041	35.76	55.78	38.349	8.23	31.2	-0.9
5/13/2005	23.53	6.15	33	54.037	35.75	55.81	38.370	8.23	42.2	-0.8
5/13/2005	23.55	6.19	33	54.050	35.76	55.84	38.390	8.23	62.1	-1.0
5/13/2005	23.58	6.24	33	54.054	35.76	55.87	38.410	8.24	63.2	-1.0
5/13/2005	23.60	6.28	33	54.073	35.78	55.84	38.389	8.23	82.2	-0.9
5/13/2005	23.61	6.32	35	54.079	35.78	55.86	38.406	8.24	98.3	-1.0
5/13/2005	23.66	6.40	35	54.062	35.77	55.85	38.400	8.23	108.7	-0.9
5/13/2005	23.71	6.50	35	54.105	35.80	55.84	38.391	8.24	115.7	-1.0
5/13/2005	23.72	6.50	35	54.122	35.81	55.84	38.394	8.24	120.4	-1.0
5/13/2005	23.74	6.51	33	54.135	35.82	55.81	38.371	8.24	122.3	-1.0
5/13/2005	23.75	6.53	33	54.122	35.81	55.79	38.359	8.24	114.3	-1.0
5/13/2005	23.76	6.53	35	54.134	35.82	55.75	38.327	8.23	119.0	-1.0
5/13/2005	23.76	6.52	35	54.134	35.82	55.78	38.347	8.24	109.7	-1.0
5/13/2005	23.75	6.50	35	54.137	35.82	55.73	38.313	8.24	100.7	-1.0
5/13/2005	23.74	6.50	35	54.142	35.83	55.69	38.285	8.24	88.1	-1.0
5/13/2005	23.70	6.43	35	54.138	35.82	55.64	38.250	8.24	77.8	-0.9
5/13/2005	23.67	6.40	35	54.143	35.83	55.62	38.238	8.24	64.2	-1.0
5/13/2005	23.61	6.37	35	54.144	35.83	55.57	38.204	8.24	52.1	-1.0
5/13/2005	23.58	6.33	35	54.158	35.84	55.52	38.168	8.24	40.2	-1.0
5/13/2005	23.55	6.29	33	54.161	35.84	55.46	38.130	8.24	29.3	-1.0
5/13/2005	23.58	6.25	35	54.174	35.85	55.46	38.124	8.24	19.5	-1.0
5/13/2005	23.65	6.17	33	54.205	35.88	55.40	38.086	8.24	10.8	-0.9
5/13/2005	23.72	6.05	33	54.228	35.89	55.36	38.056	8.23	4.2	-1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/13/2005	23.79	6.09	33	54.284	35.93	55.31	38.026	8.24	0.5	-0.9
5/13/2005	23.76	6.05	33	54.273	35.92	55.26	37.988	8.23	0.1	-0.9
5/13/2005	23.65	6.07	33	54.268	35.92	55.24	37.977	8.23	0.1	-0.9
5/13/2005	23.63	6.05	33	54.284	35.93	55.19	37.938	8.24	0.1	-1.0
5/13/2005	23.61	6.07	33	54.297	35.95	55.16	37.915	8.24	0.1	-1.0
5/13/2005	23.57	6.09	33	54.316	35.96	55.13	37.896	8.24	0.1	-1.0
5/13/2005	23.58	6.05	33	54.315	35.96	55.09	37.872	8.24	0.1	-1.0
5/13/2005	23.59	6.05	33	54.308	35.95	55.06	37.847	8.24	0.1	-1.0
5/14/2005	23.61	6.05	33	54.314	35.96	55.08	37.864	8.24	0.1	-1.0
5/14/2005	23.61	6.02	33	54.309	35.95	55.05	37.844	8.24	0.1	-1.0
5/14/2005	23.60	6.03	33	54.315	35.96	55.05	37.841	8.24	0.1	-1.0
5/14/2005	23.62	6.00	33	54.321	35.96	55.07	37.854	8.24	0.1	-1.0
5/14/2005	23.61	6.03	33	54.319	35.96	55.10	37.875	8.24	0.1	-1.0
5/14/2005	23.60	6.04	33	54.322	35.96	55.08	37.860	8.25	0.1	-1.0
5/14/2005	23.61	5.92	33	54.312	35.96	55.12	37.893	8.24	0.1	-1.0
5/14/2005	23.60	5.95	33	54.318	35.96	55.14	37.903	8.24	0.1	-0.9
5/14/2005	23.60	5.78	33	54.314	35.96	55.22	37.957	8.23	0.1	-0.8
5/14/2005	23.60	5.84	33	54.297	35.95	55.31	38.021	8.24	0.1	-0.9
5/14/2005	23.59	5.82	33	54.285	35.94	55.32	38.031	8.24	0.1	-0.9
5/14/2005	23.60	5.82	33	54.292	35.94	55.40	38.080	8.23	0.1	-1.0
5/14/2005	23.60	5.81	33	54.291	35.94	55.43	38.107	8.23	0.1	-1.0
5/14/2005	23.59	5.64	33	54.285	35.94	55.50	38.152	8.23	0.9	-1.0
5/14/2005	23.59	5.62	33	54.283	35.93	55.57	38.203	8.22	5.5	-1.0
5/14/2005	23.60	5.55	33	54.277	35.93	55.65	38.255	8.22	12.8	-1.0
5/14/2005	23.60	5.64	33	54.273	35.93	55.68	38.273	8.22	23.2	-1.0
5/14/2005	23.61	5.62	33	54.268	35.92	55.71	38.300	8.22	35.9	-0.9
5/14/2005	23.61	5.67	33	54.266	35.92	55.77	38.335	8.22	48.6	-0.9
5/14/2005	23.63	5.79	33	54.275	35.93	55.82	38.376	8.22	69.0	-1.0
5/14/2005	23.65	5.95	33	54.270	35.92	55.81	38.367	8.23	74.9	-1.0
5/14/2005	23.68	6.27	35	54.265	35.92	55.83	38.378	8.24	93.4	-1.0
5/14/2005	23.69	6.48	35	54.274	35.93	55.83	38.383	8.25	107.9	-0.9
5/14/2005	23.71	6.57	35	54.281	35.93	55.82	38.372	8.26	118.4	-1.0
5/14/2005	23.72	6.66	35	54.277	35.93	55.83	38.380	8.26	128.3	-1.0
5/14/2005	23.72	6.70	35	54.284	35.93	55.79	38.353	8.26	126.6	-1.0
5/14/2005	23.72	6.85	36	54.304	35.95	55.82	38.372	8.26	123.5	0.0
5/14/2005	23.74	6.87	36	54.359	35.99	55.82	38.369	8.26	122.7	-0.9
5/14/2005	23.72	6.71	36	54.392	36.01	55.78	38.347	8.26	69.4	-0.9
5/14/2005	23.71	6.74	36	54.391	36.01	55.73	38.308	8.26	55.2	-0.9
5/14/2005	23.73	6.77	36	54.385	36.01	55.71	38.298	8.26	95.9	-0.9
5/14/2005	23.74	6.81	36	54.388	36.01	55.70	38.288	8.27	94.2	-0.9
5/14/2005	23.74	6.75	36	54.391	36.01	55.64	38.250	8.27	76.7	-1.0
5/14/2005	23.75	6.81	36	54.386	36.01	55.60	38.222	8.27	70.0	-0.9
5/14/2005	23.76	6.84	36	54.381	36.00	55.58	38.207	8.27	54.0	-0.9
5/14/2005	23.74	6.73	36	54.366	35.99	55.58	38.204	8.26	44.4	-1.0
5/14/2005	23.69	6.56	36	54.306	35.95	55.53	38.172	8.26	23.0	-1.0
5/14/2005	23.64	6.38	35	54.278	35.93	55.50	38.154	8.26	19.8	-1.0
5/14/2005	23.64	6.25	35	54.303	35.95	55.40	38.085	8.25	11.4	-0.9
5/14/2005	23.61	6.19	35	54.299	35.95	55.44	38.112	8.25	4.4	-0.8
5/14/2005	23.58	6.13	35	54.281	35.93	55.38	38.071	8.25	0.5	-1.0
5/14/2005	23.46	6.10	35	54.272	35.93	55.32	38.023	8.25	0.1	-1.0
5/14/2005	23.34	6.15	35	54.248	35.91	55.32	38.023	8.26	0.1	-1.0
5/14/2005	23.35	6.10	33	54.242	35.91	55.29	38.005	8.26	0.1	-0.9
5/14/2005	23.39	6.07	35	54.263	35.92	55.22	37.961	8.26	0.1	-0.9
5/14/2005	23.48	6.10	35	54.331	35.97	55.25	37.975	8.26	0.1	-0.9
5/14/2005	23.53	6.07	35	54.354	35.99	55.19	37.938	8.26	0.1	-0.7
5/14/2005	23.63	6.13	35	54.434	36.05	55.14	37.900	8.26	0.1	-1.0
5/15/2005	23.64	6.06	33	54.435	36.05	55.11	37.881	8.26	0.1	-1.0
5/15/2005	23.64	5.98	33	54.435	36.05	55.12	37.890	8.25	0.1	-1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/15/2005	23.78	6.03	35	54.457	36.06	55.11	37.881	8.26	0.1	-1.0
5/15/2005	23.87	5.98	33	54.506	36.10	55.12	37.890	8.25	0.1	-1.0
5/15/2005	23.98	6.03	35	54.542	36.12	55.11	37.886	8.26	0.1	-1.0
5/15/2005	23.98	6.05	35	54.557	36.13	55.11	37.884	8.26	0.1	-1.0
5/15/2005	23.91	6.03	35	54.573	36.14	55.13	37.893	8.25	0.1	-0.9
5/15/2005	23.83	6.02	35	54.577	36.15	55.13	37.896	8.25	0.1	-0.9
5/15/2005	23.83	6.02	35	54.583	36.15	55.19	37.935	8.26	0.1	-1.0
5/15/2005	23.84	6.00	35	54.586	36.16	55.19	37.938	8.26	0.1	-1.0
5/15/2005	23.84	6.01	33	54.581	36.15	55.27	37.988	8.26	0.1	-1.0
5/15/2005	23.85	5.95	35	54.582	36.15	55.30	38.009	8.25	0.1	-1.0
5/15/2005	23.88	5.98	33	54.589	36.16	55.37	38.059	8.26	0.1	-0.9
5/15/2005	23.87	5.93	35	54.594	36.16	55.44	38.109	8.25	1.2	-1.0
5/15/2005	23.87	5.87	35	54.589	36.16	55.47	38.130	8.25	6.4	-1.0
5/15/2005	23.88	5.89	35	54.589	36.16	55.56	38.189	8.25	14.5	-1.0
5/15/2005	23.91	5.85	35	54.584	36.15	55.58	38.204	8.24	26.3	-0.9
5/15/2005	24.00	6.17	35	54.590	36.16	55.63	38.236	8.26	40.4	-1.0
5/15/2005	24.04	6.27	35	54.601	36.16	55.67	38.268	8.26	55.5	-1.0
5/15/2005	24.06	6.38	36	54.585	36.15	55.69	38.283	8.26	71.3	-1.0
5/15/2005	24.07	6.48	36	54.575	36.14	55.74	38.317	8.26	88.6	-1.0
5/15/2005	24.09	6.56	36	54.568	36.14	55.74	38.319	8.27	100.7	-0.9
5/15/2005	24.09	6.63	36	54.570	36.14	55.78	38.341	8.27	113.4	-1.0
5/15/2005	24.10	6.69	36	54.563	36.13	55.77	38.337	8.27	121.8	-0.9
5/15/2005	24.10	6.73	36	54.559	36.13	55.77	38.341	8.27	128.5	-1.0
5/15/2005	24.10	6.84	36	54.551	36.13	55.79	38.349	8.27	129.9	-1.0
5/15/2005	24.07	6.86	36	54.518	36.10	55.75	38.325	8.27	133.5	-1.0
5/15/2005	24.05	6.98	37	54.519	36.10	55.75	38.321	8.27	108.6	-1.0
5/15/2005	24.04	6.94	37	54.509	36.09	55.73	38.312	8.27	130.4	-1.0
5/15/2005	24.05	6.96	37	54.494	36.08	55.70	38.289	8.27	128.5	-1.0
5/15/2005	24.04	6.79	36	54.531	36.11	55.70	38.287	8.27	111.5	-1.0
5/15/2005	24.06	6.83	37	54.515	36.10	55.69	38.283	8.27	96.8	-1.0
5/15/2005	24.08	6.73	36	54.493	36.08	55.61	38.227	8.27	85.1	-1.0
5/15/2005	24.08	6.72	37	54.501	36.09	55.60	38.220	8.27	71.1	-1.0
5/15/2005	24.09	6.60	36	54.499	36.09	55.56	38.193	8.27	38.1	-1.0
5/15/2005	24.10	6.59	36	54.502	36.09	55.56	38.194	8.27	44.3	-1.0
5/15/2005	24.11	6.48	36	54.497	36.08	55.54	38.181	8.26	32.0	-1.0
5/15/2005	24.13	6.37	36	54.498	36.08	55.47	38.132	8.26	21.2	-1.0
5/15/2005	24.12	6.26	36	54.498	36.09	55.46	38.128	8.26	11.8	-1.0
5/15/2005	24.13	6.18	35	54.498	36.09	55.48	38.141	8.26	4.8	-1.0
5/15/2005	24.15	6.11	35	54.502	36.09	55.44	38.113	8.26	0.5	-1.0
5/15/2005	24.14	5.94	35	54.500	36.09	55.38	38.070	8.25	0.1	-1.0
5/15/2005	24.17	5.91	35	54.506	36.09	55.38	38.069	8.25	0.1	-1.0
5/15/2005	24.23	5.93	35	54.525	36.10	55.34	38.042	8.25	0.1	-1.0
5/15/2005	24.24	5.99	35	54.544	36.12	55.32	38.029	8.26	0.1	-1.0
5/15/2005	24.23	5.92	35	54.548	36.12	55.30	38.014	8.25	0.1	-1.0
5/15/2005	24.17	5.97	35	54.553	36.13	55.30	38.013	8.26	0.1	-1.0
5/15/2005	24.15	5.96	35	54.564	36.13	55.26	37.986	8.26	0.1	-1.0
5/16/2005	24.11	5.97	35	54.577	36.14	55.25	37.981	8.26	0.1	-1.0
5/16/2005	24.08	5.94	35	54.587	36.15	55.21	37.949	8.26	0.1	-1.0
5/16/2005	24.01	6.01	35	54.657	36.21	55.18	37.930	8.26	0.1	-0.9
5/16/2005	24.03	5.95	35	54.689	36.23	55.19	37.933	8.26	0.1	-1.0
5/16/2005	24.07	5.96	35	54.725	36.26	55.18	37.931	8.26	0.1	-1.0
5/16/2005	24.08	5.94	35	54.723	36.25	55.18	37.926	8.26	0.1	-1.0
5/16/2005	24.09	5.96	36	54.743	36.27	55.17	37.921	8.26	0.1	-1.0
5/16/2005	24.08	5.95	36	54.750	36.27	55.20	37.943	8.26	0.1	-0.8
5/16/2005	24.09	6.00	35	54.763	36.28	55.21	37.950	8.27	0.1	-1.0
5/16/2005	24.10	5.97	35	54.757	36.28	55.24	37.970	8.27	0.1	-0.9
5/16/2005	24.13	5.92	35	54.734	36.26	55.28	37.995	8.26	0.1	-1.0
5/16/2005	24.15	5.93	35	54.719	36.25	55.32	38.023	8.26	0.1	-1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/16/2005	24.16	5.87	35	54.696	36.23	55.36	38.052	8.26	0.1	-1.0
5/16/2005	24.17	5.76	35	54.673	36.21	55.42	38.094	8.26	1.0	-1.0
5/16/2005	24.18	5.87	35	54.645	36.19	55.45	38.114	8.26	6.2	-1.0
5/16/2005	24.09	5.94	35	54.741	36.27	55.49	38.142	8.26	11.9	-1.0
5/16/2005	23.99	6.09	36	54.740	36.27	55.56	38.188	8.26	21.6	-1.0
5/16/2005	23.98	6.15	36	54.733	36.26	55.59	38.212	8.26	33.6	-1.0
5/16/2005	24.00	6.31	36	54.710	36.25	55.64	38.244	8.27	46.9	-0.9
5/16/2005	24.04	6.42	36	54.704	36.24	55.66	38.255	8.27	56.4	-0.9
5/16/2005	24.14	6.51	37	54.644	36.19	55.69	38.284	8.28	74.6	-1.0
5/16/2005	24.01	6.56	36	54.610	36.17	55.72	38.299	8.28	86.4	-1.0
5/16/2005	23.83	6.85	37	54.512	36.10	55.72	38.304	8.28	93.6	-0.9
5/16/2005	23.69	7.00	37	54.430	36.04	55.75	38.321	8.30	105.4	-0.9
5/16/2005	23.73	6.86	37	54.465	36.07	55.74	38.316	8.29	113.3	-1.0
5/16/2005	23.79	7.16	37	54.550	36.13	55.74	38.313	8.31	113.3	-0.9
5/16/2005	23.82	7.09	37	54.567	36.14	55.73	38.307	8.30	114.8	-1.0
5/16/2005	23.84	7.27	37	54.578	36.15	55.70	38.283	8.30	114.5	-1.0
5/16/2005	23.85	7.09	37	54.603	36.17	55.71	38.289	8.29	107.1	-1.0
5/16/2005	23.87	7.15	37	54.619	36.18	55.66	38.259	8.30	101.4	-1.0
5/16/2005	23.86	6.79	37	54.632	36.19	55.66	38.256	8.29	80.4	-1.0
5/16/2005	23.88	6.80	37	54.658	36.21	55.64	38.245	8.29	68.1	-1.0
5/16/2005	23.87	6.86	37	54.659	36.21	55.60	38.213	8.30	67.5	-0.9
5/16/2005	23.87	6.63	37	54.683	36.23	55.56	38.188	8.29	35.3	-1.0
5/16/2005	23.86	6.53	37	54.683	36.23	55.54	38.172	8.29	35.4	-1.0
5/16/2005	23.85	6.43	36	54.709	36.25	55.52	38.161	8.29	19.0	-0.9
5/16/2005	23.84	6.29	36	54.701	36.24	55.51	38.151	8.28	11.2	-1.0
5/16/2005	23.85	6.31	36	54.686	36.23	55.49	38.138	8.28	15.6	-0.8
5/16/2005	23.87	6.22	36	54.700	36.24	55.47	38.124	8.28	10.1	-0.9
5/16/2005	23.90	6.11	36	54.718	36.25	55.45	38.111	8.28	2.3	-1.0
5/16/2005	23.93	6.05	36	54.737	36.27	55.45	38.114	8.28	0.3	-1.0
5/16/2005	23.93	6.01	36	54.734	36.26	55.44	38.104	8.28	0.1	-1.0
5/16/2005	23.94	6.04	36	54.751	36.28	55.43	38.099	8.28	0.1	-1.0
5/16/2005	23.93	6.00	36	54.745	36.27	55.42	38.090	8.28	0.1	-1.0
5/16/2005	23.94	6.01	36	54.741	36.27	55.41	38.082	8.28	0.1	-1.0
5/16/2005	23.94	6.01	36	54.726	36.26	55.40	38.074	8.28	0.1	-1.0
5/16/2005	23.95	6.05	36	54.740	36.27	55.38	38.065	8.28	0.1	-1.0
5/16/2005	23.95	6.02	36	54.742	36.27	55.37	38.058	8.28	0.1	-1.0
5/17/2005	23.93	6.04	36	54.750	36.28	55.35	38.042	8.28	0.1	-1.0
5/17/2005	23.94	6.08	36	54.715	36.25	55.32	38.024	8.28	0.1	-1.0
5/17/2005	23.95	6.06	36	54.720	36.25	55.30	38.011	8.28	0.1	-0.8
5/17/2005	23.96	6.03	36	54.735	36.27	55.31	38.013	8.28	0.1	0.1
5/17/2005	23.96	5.95	36	54.733	36.26	55.28	37.994	8.28	0.1	-1.0
5/17/2005	23.95	5.95	36	54.726	36.26	55.25	37.977	8.28	0.1	-0.9
5/17/2005	23.94	5.98	36	54.723	36.26	55.26	37.984	8.28	0.1	-1.0
5/17/2005	23.97	6.02	36	54.759	36.28	55.25	37.978	8.29	0.1	-1.0
5/17/2005	23.97	6.00	36	54.763	36.29	55.24	37.968	8.29	0.1	-1.0
5/17/2005	23.97	5.97	36	54.756	36.28	55.26	37.981	8.29	0.1	-1.0
5/17/2005	23.96	6.04	36	54.742	36.27	55.27	37.987	8.29	0.1	-1.0
5/17/2005	23.94	6.06	36	54.732	36.26	55.30	38.007	8.29	0.0	-1.0
5/17/2005	23.95	6.01	36	54.735	36.27	55.31	38.015	8.29	0.1	-1.0
5/17/2005	23.94	6.05	36	54.727	36.26	55.35	38.045	8.29	1.0	-0.8
5/17/2005	23.92	6.08	36	54.735	36.27	55.39	38.072	8.29	5.5	-0.9
5/17/2005	23.92	6.17	36	54.716	36.25	55.41	38.085	8.29	11.8	-1.0
5/17/2005	23.92	6.28	37	54.715	36.25	55.46	38.115	8.29	18.2	-0.7
5/17/2005	23.94	6.46	37	54.715	36.25	55.49	38.143	8.30	31.5	-1.0
5/17/2005	23.94	6.53	37	54.740	36.27	55.53	38.166	8.30	45.3	-1.0
5/17/2005	23.93	6.73	37	54.722	36.26	55.58	38.199	8.30	41.8	-1.0
5/17/2005	23.95	6.79	37	54.714	36.25	55.59	38.209	8.31	67.9	-1.0
5/17/2005	23.95	7.17	38	54.710	36.25	55.60	38.219	8.32	81.1	-0.8

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/17/2005	23.95	6.89	37	54.716	36.25	55.63	38.233	8.31	90.1	-1.0
5/17/2005	23.96	7.40	38	54.704	36.24	55.64	38.244	8.32	99.1	-1.0
5/17/2005	23.97	7.85	39	54.700	36.24	55.65	38.250	8.34	102.5	-1.0
5/17/2005	23.95	7.16	38	54.697	36.24	55.64	38.243	8.31	91.9	-0.8
5/17/2005	23.91	7.35	38	54.670	36.22	55.64	38.241	8.31	69.3	-1.0
5/17/2005	23.97	6.95	38	54.696	36.24	55.62	38.228	8.31	104.3	-1.0
5/17/2005	23.98	7.25	38	54.705	36.24	55.61	38.221	8.31	95.8	-0.9
5/17/2005	23.97	6.96	38	54.701	36.24	55.59	38.208	8.31	51.5	-1.0
5/17/2005	24.01	6.79	37	54.730	36.26	55.57	38.192	8.30	102.1	-1.0
5/17/2005	24.00	6.70	37	54.736	36.27	55.54	38.178	8.30	80.9	-0.7
5/17/2005	24.03	6.78	37	54.763	36.29	55.51	38.154	8.30	66.5	-0.7
5/17/2005	24.03	6.61	37	54.758	36.28	55.50	38.149	8.30	49.2	-1.0
5/17/2005	24.04	6.67	37	54.762	36.28	55.48	38.135	8.31	46.5	-1.0
5/17/2005	24.05	6.60	37	54.749	36.27	55.46	38.123	8.30	35.3	-0.8
5/17/2005	24.06	6.48	37	54.760	36.28	55.44	38.107	8.30	25.7	-0.8
5/17/2005	24.05	6.28	37	54.733	36.26	55.43	38.100	8.30	20.5	-0.9
5/17/2005	23.93	6.22	37	54.582	36.15	55.42	38.097	8.29	8.8	-1.0
5/17/2005	24.01	6.09	36	54.701	36.24	55.42	38.095	8.29	3.7	-0.8
5/17/2005	24.00	6.01	36	54.708	36.24	55.42	38.089	8.29	0.5	-0.7
5/17/2005	23.91	6.08	36	54.632	36.19	55.43	38.099	8.29	0.1	-1.1
5/17/2005	23.83	6.01	36	54.580	36.15	55.43	38.099	8.29	0.1	-1.1
5/17/2005	23.65	6.02	36	54.497	36.09	55.44	38.106	8.29	0.1	-1.0
5/17/2005	23.51	6.04	36	54.389	36.02	55.44	38.108	8.29	0.1	-0.6
5/17/2005	23.41	6.13	36	54.323	35.97	55.45	38.114	8.30	0.1	-1.0
5/17/2005	23.38	6.05	36	54.295	35.95	55.45	38.115	8.30	0.1	-1.0
5/17/2005	23.35	6.06	36	54.271	35.93	55.45	38.116	8.30	0.1	-1.0
5/18/2005	23.34	6.04	35	54.247	35.91	55.45	38.118	8.30	0.1	-1.0
5/18/2005	23.34	6.00	36	54.244	35.91	55.45	38.112	8.30	0.1	-1.0
5/18/2005	23.35	6.07	36	54.259	35.92	55.43	38.101	8.30	0.1	-1.0
5/18/2005	23.36	6.03	36	54.273	35.93	55.41	38.089	8.30	0.1	-1.0
5/18/2005	23.38	5.99	36	54.284	35.94	55.40	38.081	8.30	0.1	-1.0
5/18/2005	23.38	5.99	35	54.290	35.94	55.38	38.063	8.30	0.1	-1.0
5/18/2005	23.37	5.97	36	54.291	35.94	55.37	38.062	8.30	0.1	-0.9
5/18/2005	23.38	5.88	36	54.307	35.96	55.37	38.058	8.30	0.1	-1.0
5/18/2005	23.39	5.92	35	54.304	35.95	55.36	38.055	8.30	0.1	-1.1
5/18/2005	23.41	5.77	35	54.307	35.96	55.37	38.059	8.29	0.1	-1.0
5/18/2005	23.41	5.74	35	54.299	35.95	55.37	38.059	8.29	0.1	-1.0
5/18/2005	23.42	5.82	35	54.294	35.95	55.37	38.062	8.29	0.1	-0.4
5/18/2005	23.42	5.68	35	54.280	35.94	55.39	38.077	8.29	0.1	-1.0
5/18/2005	23.34	5.93	36	54.125	35.82	55.42	38.095	8.30	1.0	-0.9
5/18/2005	23.33	6.07	36	54.124	35.82	55.43	38.106	8.30	4.8	-1.0
5/18/2005	23.39	6.16	36	54.190	35.87	55.45	38.120	8.31	11.2	-0.9
5/18/2005	23.49	6.30	36	54.234	35.90	55.48	38.140	8.31	19.7	-0.9
5/18/2005	23.53	6.47	37	54.261	35.92	55.51	38.156	8.32	34.2	-0.8
5/18/2005	23.60	6.57	36	54.276	35.93	55.54	38.181	8.32	41.1	-0.9
5/18/2005	23.59	6.65	37	54.304	35.95	55.57	38.200	8.32	18.7	-0.8
5/18/2005	23.59	6.64	37	54.314	35.96	55.59	38.214	8.32	33.5	-1.0
5/18/2005	23.62	7.08	37	54.298	35.95	55.61	38.229	8.34	73.5	-1.0
5/18/2005	23.64	7.95	39	54.286	35.94	55.62	38.238	8.36	81.8	-1.0
5/18/2005	23.63	8.09	39	54.277	35.93	55.63	38.239	8.37	91.4	-0.9
5/18/2005	23.65	7.81	39	54.269	35.92	55.62	38.234	8.37	93.4	-0.8
5/18/2005	23.65	8.26	39	54.254	35.91	55.62	38.232	8.37	100.7	-0.8
5/18/2005	23.66	7.99	39	54.292	35.94	55.61	38.229	8.36	96.0	-0.8
5/18/2005	23.65	7.78	39	54.256	35.91	55.59	38.214	8.36	96.4	-1.0
5/18/2005	23.61	7.92	39	54.247	35.91	55.57	38.199	8.35	91.3	-0.9
5/18/2005	23.65	7.81	39	54.301	35.95	55.55	38.184	8.34	87.4	-0.9
5/18/2005	23.67	7.94	39	54.375	36.00	55.53	38.169	8.35	74.0	-0.5
5/18/2005	23.70	7.45	39	54.447	36.06	55.50	38.147	8.34	69.8	-0.7

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/18/2005	23.73	7.30	38	54.471	36.07	55.47	38.128	8.33	58.1	-0.5
5/18/2005	23.71	7.07	37	54.480	36.08	55.45	38.111	8.33	48.1	-0.8
5/18/2005	23.69	6.94	37	54.421	36.04	55.42	38.095	8.33	40.6	-0.3
5/18/2005	23.67	6.72	37	54.423	36.04	55.41	38.085	8.32	31.4	-0.8
5/18/2005	23.66	6.50	37	54.463	36.07	55.39	38.075	8.32	22.7	-0.8
5/18/2005	23.61	6.39	37	54.506	36.10	55.39	38.069	8.32	14.8	-0.3
5/18/2005	23.57	6.24	36	54.512	36.11	55.38	38.063	8.31	8.0	-0.2
5/18/2005	23.61	6.01	36	54.591	36.16	55.39	38.068	8.30	2.6	-0.5
5/18/2005	23.64	5.82	36	54.660	36.22	55.41	38.080	8.30	0.4	-1.0
5/18/2005	23.62	5.77	36	54.658	36.21	55.41	38.080	8.30	0.1	-0.8
5/18/2005	23.61	5.63	36	54.636	36.20	55.41	38.083	8.29	0.1	-0.5
5/18/2005	23.61	5.44	35	54.626	36.19	55.45	38.110	8.28	0.1	-1.0
5/18/2005	23.62	5.44	35	54.631	36.19	55.46	38.115	8.29	0.1	-0.5
5/18/2005	23.57	5.56	35	54.582	36.16	55.48	38.130	8.29	0.1	-0.8
5/18/2005	23.58	5.49	35	54.577	36.15	55.49	38.137	8.29	0.1	-0.9
5/18/2005	23.59	5.39	35	54.581	36.16	55.52	38.161	8.29	0.1	-0.8
5/19/2005	23.58	5.37	35	54.559	36.14	55.53	38.165	8.28	0.1	-1.0
5/19/2005	23.56	5.22	35	54.521	36.11	55.52	38.160	8.27	0.1	-0.6
5/19/2005	23.54	5.16	33	54.516	36.11	55.53	38.167	8.28	0.1	-0.7
5/19/2005	23.54	5.22	35	54.478	36.08	55.53	38.171	8.28	0.1	-0.9
5/19/2005	23.42	5.11	35	54.284	35.94	55.52	38.163	8.27	0.1	-0.8
5/19/2005	23.49	4.81	33	54.410	36.03	55.50	38.147	8.26	0.1	-0.7
5/19/2005	22.93	5.17	33	54.177	35.87	55.49	38.143	8.27	0.1	-0.8
5/19/2005	22.95	5.44	35	54.176	35.87	55.49	38.144	8.28	0.1	-0.5
5/19/2005	22.94	5.30	35	54.185	35.87	55.47	38.129	8.28	0.1	-0.8
5/19/2005	22.85	5.31	35	54.026	35.76	55.48	38.133	8.28	0.1	-0.7
5/19/2005	22.67	5.28	35	54.038	35.77	55.46	38.121	8.28	0.1	-1.0
5/19/2005	22.44	5.66	35	53.776	35.58	55.46	38.125	8.30	0.1	-0.5
5/19/2005	22.73	5.31	33	53.816	35.60	55.48	38.137	8.29	0.1	-0.8
5/19/2005	22.56	5.33	35	53.881	35.65	55.48	38.138	8.29	0.8	-0.5
5/19/2005	22.50	5.55	35	53.743	35.55	55.49	38.146	8.30	4.0	-0.8
5/19/2005	22.58	5.57	35	53.767	35.57	55.50	38.148	8.30	9.3	-0.7
5/19/2005	22.54	5.68	35	53.786	35.58	55.52	38.167	8.30	16.0	-0.3
5/19/2005	22.58	5.94	36	53.686	35.51	55.53	38.177	8.31	25.0	-0.7
5/19/2005	22.63	6.15	36	53.676	35.50	55.56	38.194	8.33	34.2	-0.7
5/19/2005	22.69	6.92	37	53.740	35.55	55.57	38.200	8.35	46.0	-0.8
5/19/2005	22.72	6.76	37	53.750	35.55	55.58	38.212	8.35	57.8	-0.8
5/19/2005	22.72	7.01	37	53.791	35.58	55.58	38.209	8.38	63.9	-0.8
5/19/2005	22.73	7.37	38	53.840	35.62	55.60	38.223	8.39	71.4	0.1
5/19/2005	22.57	7.55	38	53.924	35.68	55.60	38.219	8.42	78.9	-0.8
5/19/2005	22.60	8.13	39	53.915	35.68	55.61	38.221	8.43	84.7	-0.3
5/19/2005	22.61	8.02	39	53.937	35.69	55.59	38.209	8.43	84.5	-0.7
5/19/2005	22.61	7.56	38	53.991	35.73	55.58	38.199	8.40	84.3	-0.5
5/19/2005	22.61	7.60	39	54.029	35.76	55.55	38.179	8.40	85.1	-1.0
5/19/2005	22.67	8.31	39	54.060	35.78	55.52	38.160	8.41	75.8	-0.4
5/19/2005	22.67	7.85	39	54.075	35.80	55.50	38.144	8.39	78.0	-0.9
5/19/2005	22.69	7.77	38	54.096	35.81	55.46	38.121	8.39	66.0	-0.9
5/19/2005	22.63	7.53	38	54.164	35.86	55.43	38.094	8.37	58.7	-0.7
5/19/2005	22.57	7.68	38	54.207	35.90	55.38	38.063	8.38	50.2	-0.9
5/19/2005	22.57	7.65	38	54.220	35.90	55.36	38.043	8.37	24.4	-0.7
5/19/2005	22.59	7.58	39	54.219	35.90	55.33	38.028	8.37	19.9	-0.9
5/19/2005	22.59	7.33	38	54.215	35.90	55.30	38.006	8.36	16.2	-0.7
5/19/2005	22.61	7.14	38	54.204	35.89	55.29	37.999	8.35	12.2	-0.4
5/19/2005	22.61	6.90	38	54.202	35.89	55.26	37.981	8.35	8.1	-0.6
5/19/2005	22.62	6.71	37	54.195	35.89	55.26	37.980	8.35	7.1	-0.6
5/19/2005	22.62	6.53	37	54.196	35.89	55.27	37.982	8.34	3.0	-0.5
5/19/2005	22.63	6.35	36	54.187	35.88	55.28	37.995	8.33	0.5	-0.7
5/19/2005	22.65	6.28	36	54.180	35.87	55.31	38.014	8.33	0.1	-0.9

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/19/2005	22.66	6.16	37	54.168	35.86	55.32	38.022	8.32	0.1	-0.7
5/19/2005	22.66	6.13	36	54.173	35.87	55.36	38.045	8.33	0.1	-0.5
5/19/2005	22.68	6.12	36	54.164	35.86	55.39	38.066	8.32	0.1	1.2
5/19/2005	22.79	5.57	36	54.164	35.86	55.43	38.099	8.30	0.1	0.0
5/19/2005	22.76	5.69	36	54.268	35.94	55.46	38.115	8.31	0.1	-0.5
5/19/2005	22.74	5.84	36	54.278	35.95	55.50	38.144	8.32	0.1	-0.5
5/20/2005	22.73	5.84	36	54.277	35.94	55.53	38.162	8.32	0.1	-0.7
5/20/2005	22.73	5.62	35	54.284	35.95	55.55	38.180	8.31	0.1	0.1
5/20/2005	22.73	5.48	35	54.278	35.95	55.58	38.197	8.31	0.1	0.0
5/20/2005	22.73	5.45	35	54.276	35.94	55.59	38.205	8.30	0.1	-0.4
5/20/2005	22.54	6.01	37	54.406	36.04	55.60	38.203	8.34	0.1	-0.9
5/20/2005	22.53	6.09	36	54.498	36.11	55.59	38.200	8.34	0.1	-0.8
5/20/2005	22.57	5.91	36	54.516	36.13	55.60	38.207	8.33	0.1	-0.9
5/20/2005	22.62	5.81	36	54.535	36.14	55.60	38.204	8.33	0.1	-1.0
5/20/2005	22.62	5.73	36	54.539	36.14	55.60	38.201	8.33	0.1	0.1
5/20/2005	22.63	5.71	36	54.536	36.14	55.60	38.202	8.33	0.1	1.4
5/20/2005	22.64	5.60	35	54.530	36.13	55.58	38.188	8.32	0.1	-0.7
5/20/2005	22.64	5.55	35	54.526	36.13	55.58	38.189	8.32	0.1	-0.4
5/20/2005	22.63	5.43	36	54.499	36.11	55.58	38.191	8.31	0.1	-0.6
5/20/2005	22.64	5.30	35	54.482	36.10	55.58	38.188	8.30	1.0	-0.8
5/20/2005	22.65	5.42	35	54.474	36.09	55.58	38.190	8.30	4.5	-0.9
5/20/2005	22.65	5.70	36	54.481	36.10	55.58	38.192	8.32	9.8	-0.5
5/20/2005	22.65	5.98	36	54.462	36.08	55.58	38.194	8.32	17.0	-0.5
5/20/2005	22.66	6.27	37	54.451	36.08	55.58	38.190	8.33	25.7	-0.7
5/20/2005	22.64	6.47	37	54.316	35.98	55.58	38.197	8.36	35.7	-0.7
5/20/2005	22.62	6.65	37	54.256	35.93	55.59	38.204	8.38	46.7	-0.8
5/20/2005	22.66	7.58	39	54.292	35.96	55.59	38.204	8.42	56.5	-0.1
5/20/2005	22.67	7.02	37	54.328	35.98	55.60	38.207	8.42	63.5	-0.6
5/20/2005	22.73	6.77	38	54.397	36.03	55.60	38.209	8.41	76.9	-0.5
5/20/2005	22.77	7.88	39	54.386	36.03	55.59	38.202	8.43	83.6	-0.8
5/20/2005	22.82	7.79	39	54.411	36.04	55.58	38.193	8.48	88.0	0.9
5/20/2005	22.94	7.44	38	54.491	36.10	55.57	38.188	8.44	91.4	-0.8
5/20/2005	22.96	9.64	42	54.462	36.08	55.55	38.174	8.51	91.2	-0.9
5/20/2005	22.92	9.33	42	54.446	36.07	55.52	38.154	8.47	92.0	-0.8
5/20/2005	22.94	9.06	41	54.451	36.07	55.48	38.131	8.46	60.5	-1.0
5/20/2005	22.97	9.62	42	54.454	36.07	55.44	38.102	8.46	88.3	-1.0
5/20/2005	23.06	8.64	41	54.483	36.09	55.41	38.078	8.45	83.3	-0.8
5/20/2005	23.25	7.26	39	54.573	36.16	55.36	38.046	8.39	28.0	-0.9
5/20/2005	23.21	8.04	40	54.574	36.16	55.32	38.018	8.41	55.8	-0.6
5/20/2005	23.27	7.94	40	54.589	36.17	55.29	37.998	8.40	48.0	-0.9
5/20/2005	23.38	7.30	39	54.592	36.17	55.26	37.978	8.38	39.5	-0.2
5/20/2005	23.53	7.02	38	54.594	36.17	55.23	37.957	8.37	29.6	-0.9
5/20/2005	23.42	6.79	38	54.588	36.17	55.20	37.936	8.36	22.9	1.8
5/20/2005	23.43	6.74	38	54.604	36.18	55.19	37.931	8.35	15.1	0.4
5/20/2005	23.41	6.56	38	54.591	36.17	55.18	37.925	8.34	8.8	0.3
5/20/2005	23.42	6.29	37	54.585	36.16	55.19	37.930	8.33	3.8	-0.8
5/20/2005	23.45	6.03	37	54.572	36.15	55.20	37.936	8.32	0.6	-0.7
5/20/2005	23.42	5.93	37	54.526	36.12	55.22	37.954	8.32	0.1	-1.0
5/20/2005	23.46	5.87	37	54.645	36.21	55.25	37.975	8.33	0.1	-0.9
5/20/2005	23.38	6.01	37	54.658	36.22	55.29	37.999	8.33	0.1	0.7
5/20/2005	23.32	6.02	36	54.658	36.22	55.33	38.025	8.33	0.1	-0.7
5/20/2005	23.27	5.91	37	54.613	36.19	55.38	38.061	8.34	0.1	-0.7
5/20/2005	23.25	6.01	37	54.607	36.18	55.43	38.095	8.33	0.1	-0.5
5/20/2005	23.25	5.98	37	54.646	36.21	55.50	38.138	8.34	0.1	-0.5
5/21/2005	23.30	5.97	37	54.655	36.22	55.53	38.164	8.34	0.1	-1.0
5/21/2005	23.26	6.10	37	54.680	36.24	55.59	38.200	8.34	0.1	-0.8
5/21/2005	23.28	5.98	37	54.700	36.25	55.64	38.232	8.33	0.1	-0.9
5/21/2005	23.34	5.97	37	54.691	36.24	55.67	38.257	8.34	0.1	5.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/21/2005	23.31	5.90	37	54.678	36.23	55.70	38.277	8.33	0.1	-0.4
5/21/2005	23.27	5.83	36	54.676	36.23	55.71	38.282	8.33	0.1	0.6
5/21/2005	23.27	5.84	37	54.682	36.24	55.73	38.296	8.33	0.1	-0.9
5/21/2005	23.36	5.78	36	54.698	36.25	55.75	38.311	8.33	0.1	0.3
5/21/2005	23.33	5.66	37	54.682	36.24	55.74	38.307	8.32	0.1	-0.7
5/21/2005	23.37	5.55	36	54.694	36.25	55.75	38.313	8.31	0.1	-0.8
5/21/2005	23.47	5.48	37	54.722	36.26	55.74	38.308	8.32	0.1	-0.5
5/21/2005	23.40	5.53	37	54.710	36.26	55.74	38.306	8.31	0.1	2.3
5/21/2005	23.49	5.38	36	54.744	36.28	55.74	38.309	8.31	0.1	-0.5
5/21/2005	23.28	5.63	36	54.701	36.25	55.72	38.293	8.32	1.1	-0.7
5/21/2005	23.31	5.60	36	54.714	36.26	55.72	38.290	8.32	5.6	0.9
5/21/2005	23.42	5.75	37	54.764	36.30	55.70	38.280	8.32	11.2	-0.8
5/21/2005	23.77	6.23	37	54.816	36.33	55.70	38.279	8.35	24.7	-0.9
5/21/2005	23.77	6.59	38	54.798	36.32	55.70	38.281	8.36	34.0	-0.3
5/21/2005	23.83	6.92	39	54.826	36.34	55.68	38.265	8.37	46.5	1.5
5/21/2005	23.86	6.55	38	54.849	36.35	55.67	38.258	8.39	59.0	0.6
5/21/2005	23.82	6.72	38	54.869	36.37	55.66	38.251	8.39	73.9	-0.8
5/21/2005	23.84	6.88	39	54.872	36.37	55.64	38.238	8.41	84.9	-0.7
5/21/2005	23.84	8.04	40	54.887	36.38	55.61	38.218	8.46	94.2	-0.7
5/21/2005	23.87	8.90	42	54.901	36.39	55.60	38.208	8.49	103.1	2.0
5/21/2005	23.89	9.03	42	54.887	36.38	55.57	38.189	8.50	109.2	-0.8
5/21/2005	23.88	9.24	42	54.883	36.38	55.55	38.179	8.49	113.4	-0.5
5/21/2005	23.93	9.88	44	54.883	36.38	55.51	38.150	8.49	114.5	-0.5
5/21/2005	23.99	10.89	45	54.860	36.36	55.47	38.121	8.49	119.6	-0.2
5/21/2005	23.90	9.07	42	54.872	36.37	55.42	38.087	8.42	109.9	-0.6
5/21/2005	23.71	8.67	42	54.842	36.35	55.38	38.056	8.43	101.3	0.0
5/21/2005	23.70	9.13	42	54.844	36.35	55.33	38.021	8.42	92.1	-0.7
5/21/2005	23.65	8.07	41	54.855	36.36	55.27	37.979	8.40	82.1	-0.8
5/21/2005	23.55	8.03	41	54.846	36.36	55.21	37.938	8.39	69.6	-0.5
5/21/2005	23.56	8.27	41	54.841	36.35	55.15	37.901	8.39	59.1	-0.8
5/21/2005	23.59	8.16	41	54.861	36.37	55.11	37.869	8.39	47.4	0.4
5/21/2005	23.61	7.85	40	54.853	36.36	55.05	37.833	8.38	36.3	-0.3
5/21/2005	23.62	7.34	40	54.852	36.36	55.02	37.811	8.37	26.3	-0.7
5/21/2005	23.63	6.93	39	54.853	36.36	55.00	37.800	8.36	17.4	0.3
5/21/2005	23.64	6.63	39	54.855	36.36	54.99	37.787	8.35	9.9	-0.3
5/21/2005	23.72	6.20	38	54.855	36.36	54.98	37.782	8.33	3.9	-0.5
5/21/2005	23.73	5.91	37	54.873	36.37	54.98	37.782	8.33	0.7	-0.2
5/21/2005	23.74	5.86	37	54.872	36.37	55.01	37.804	8.33	0.1	-0.8
5/21/2005	23.75	5.87	37	54.873	36.37	55.04	37.823	8.33	0.1	-0.4
5/21/2005	23.74	5.62	37	54.879	36.38	55.09	37.856	8.32	0.1	0.6
5/21/2005	23.70	5.63	37	54.879	36.38	55.13	37.888	8.32	0.1	0.5
5/21/2005	23.75	5.57	37	54.877	36.37	55.19	37.931	8.31	0.1	0.4
5/21/2005	23.76	5.50	37	54.904	36.40	55.27	37.980	8.32	0.1	-0.6
5/21/2005	23.67	5.60	37	54.919	36.41	55.33	38.024	8.33	0.1	-0.4
5/22/2005	23.66	5.75	37	54.947	36.43	55.41	38.078	8.33	0.1	15.3
5/22/2005	23.65	5.61	37	54.945	36.43	55.48	38.126	8.33	0.1	1.6
5/22/2005	23.65	5.77	37	54.949	36.43	55.55	38.170	8.33	0.1	5.7
5/22/2005	23.63	5.70	38	54.951	36.43	55.61	38.217	8.33	0.1	1.4
5/22/2005	23.63	5.65	37	54.947	36.43	55.66	38.251	8.33	0.1	0.2
5/22/2005	23.64	5.57	37	54.948	36.43	55.71	38.280	8.32	0.1	-0.7
5/22/2005	23.64	5.28	37	54.946	36.43	55.75	38.312	8.31	0.1	-0.4
5/22/2005	23.65	5.18	37	54.947	36.43	55.78	38.333	8.31	0.1	0.5
5/22/2005	23.62	5.32	36	54.956	36.44	55.80	38.345	8.31	0.1	-0.7
5/22/2005	23.24	5.44	36	55.000	36.48	55.82	38.355	8.30	0.1	0.9
5/22/2005	23.05	5.46	37	55.058	36.52	55.83	38.354	8.31	0.1	0.1
5/22/2005	23.08	5.55	36	55.081	36.54	55.83	38.354	8.32	0.1	-0.8
5/22/2005	23.09	5.34	36	55.077	36.54	55.83	38.354	8.31	0.1	-0.2
5/22/2005	23.09	5.43	37	55.081	36.54	55.82	38.349	8.32	1.3	1.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/22/2005	23.11	5.68	37	55.077	36.54	55.81	38.344	8.32	5.6	0.1
5/22/2005	23.12	5.98	37	55.069	36.53	55.81	38.341	8.33	11.9	2.5
5/22/2005	23.19	6.50	38	55.048	36.51	55.78	38.326	8.34	21.6	-0.2
5/22/2005	23.20	6.71	39	55.047	36.51	55.77	38.316	8.36	33.4	0.6
5/22/2005	23.22	7.08	39	55.046	36.51	55.75	38.304	8.36	32.3	1.2
5/22/2005	23.29	7.96	40	55.028	36.50	55.73	38.294	8.41	58.3	0.7
5/22/2005	23.32	8.77	42	55.031	36.50	55.71	38.280	8.44	71.2	2.4
5/22/2005	23.37	9.98	44	55.012	36.48	55.70	38.272	8.47	80.3	1154.8
5/22/2005	23.41	9.64	43	55.007	36.48	55.67	38.254	8.47	93.7	1155.1
5/22/2005	23.49	11.05	46	55.002	36.47	55.64	38.235	8.52	98.8	193.2
5/22/2005	23.50	10.71	45	54.997	36.47	55.62	38.216	8.52	103.5	4.6
5/22/2005	23.58	11.52	46	54.980	36.46	55.58	38.196	8.57	106.8	15.0
5/22/2005	23.61	10.95	45	54.980	36.45	55.54	38.163	8.52	109.9	9.4
5/22/2005	23.68	10.67	45	54.969	36.45	55.50	38.140	8.49	106.3	13.2
5/22/2005	23.71	12.00	48	54.983	36.46	55.45	38.104	8.47	104.3	7.1
5/22/2005	23.82	10.68	46	54.962	36.44	55.40	38.070	8.44	99.6	5.0
5/22/2005	23.90	8.85	43	54.967	36.44	55.33	38.027	8.42	90.4	4.8
5/22/2005	23.90	8.82	43	54.976	36.45	55.28	37.986	8.41	80.4	3.3
5/22/2005	23.88	8.52	42	54.984	36.45	55.21	37.941	8.40	69.1	0.7
5/22/2005	23.89	7.53	41	54.989	36.46	55.14	37.893	8.40	59.1	-0.2
5/22/2005	23.86	7.43	41	54.992	36.46	55.08	37.853	8.40	48.0	0.5
5/22/2005	23.87	7.10	40	54.997	36.46	55.03	37.818	8.37	37.3	-0.6
5/22/2005	23.89	7.45	40	55.002	36.47	54.98	37.784	8.38	26.7	0.0
5/22/2005	23.89	6.90	40	55.003	36.47	54.94	37.752	8.36	17.7	0.1
5/22/2005	23.92	6.43	39	55.009	36.47	54.90	37.727	8.35	10.2	-0.2
5/22/2005	23.92	5.99	39	55.003	36.47	54.88	37.712	8.33	4.2	0.1
5/22/2005	23.92	5.32	37	55.006	36.47	54.88	37.713	8.31	0.7	-0.2
5/22/2005	23.91	5.16	37	55.007	36.47	54.88	37.712	8.30	0.1	0.1
5/22/2005	23.90	5.10	37	55.006	36.47	54.90	37.726	8.29	0.1	0.8
5/22/2005	23.91	5.10	37	55.000	36.46	54.92	37.744	8.30	0.1	0.0
5/22/2005	23.91	5.00	37	55.000	36.46	54.98	37.785	8.30	0.1	-0.1
5/22/2005	23.91	4.75	36	54.998	36.46	55.03	37.815	8.28	0.1	0.1
5/22/2005	23.91	4.84	37	54.999	36.46	55.10	37.866	8.28	0.1	-0.3
5/22/2005	23.86	5.30	37	55.004	36.47	55.17	37.917	8.30	0.1	2.4
5/23/2005	23.88	5.39	37	55.005	36.47	55.25	37.968	8.31	0.1	0.2
5/23/2005	23.88	5.39	37	54.994	36.46	55.33	38.026	8.31	0.1	85.3
5/23/2005	23.89	5.16	37	55.001	36.47	55.41	38.081	8.31	0.1	0.8
5/23/2005	23.89	4.95	37	54.998	36.46	55.49	38.136	8.30	0.1	0.0
5/23/2005	23.89	4.88	37	54.996	36.46	55.57	38.186	8.30	0.1	-0.3
5/23/2005	23.82	5.53	38	54.995	36.46	55.65	38.241	8.32	0.1	-0.5
5/23/2005	23.77	5.70	38	55.003	36.47	55.69	38.272	8.33	0.1	-0.2
5/23/2005	23.79	5.17	37	54.997	36.46	55.75	38.310	8.30	0.1	0.2
5/23/2005	23.78	5.04	37	54.994	36.46	55.79	38.336	8.30	0.1	0.3
5/23/2005	23.78	5.04	37	54.987	36.46	55.81	38.352	8.30	0.1	-0.1
5/23/2005	23.78	4.72	36	54.987	36.46	55.83	38.367	8.30	0.1	0.3
5/23/2005	23.79	5.12	37	54.986	36.46	55.85	38.382	8.30	0.1	2.7
5/23/2005	23.79	5.09	37	54.989	36.46	55.86	38.388	8.31	0.1	1.3
5/23/2005	23.79	5.08	37	54.984	36.45	55.87	38.396	8.30	1.3	1.3
5/23/2005	23.78	5.32	37	54.977	36.45	55.87	38.396	8.31	5.6	1.3
5/23/2005	23.80	5.80	38	54.963	36.44	55.87	38.393	8.33	13.6	2.2
5/23/2005	23.80	6.22	39	54.957	36.43	55.86	38.387	8.35	22.6	1.7
5/23/2005	23.78	6.64	39	54.948	36.43	55.85	38.379	8.38	35.6	3.6
5/23/2005	23.75	6.68	39	54.939	36.42	55.84	38.371	8.38	49.2	-0.4
5/23/2005	23.72	7.86	41	54.934	36.42	55.81	38.355	8.41	57.8	2.5
5/23/2005	23.71	8.89	42	54.897	36.39	55.78	38.332	8.46	74.3	2.6
5/23/2005	23.61	8.55	42	54.828	36.34	55.75	38.314	8.47	89.7	0.9
5/23/2005	23.59	8.64	42	54.813	36.33	55.72	38.289	8.52	101.8	1.8
5/23/2005	23.61	9.48	43	54.816	36.33	55.70	38.276	8.57	103.0	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/23/2005	23.57	9.84	44	54.794	36.32	55.67	38.256	8.53	108.5	5.1
5/23/2005	23.59	11.99	47	54.793	36.32	55.63	38.230	8.63	107.4	2.9
5/23/2005	23.61	9.34	43	54.800	36.32	55.59	38.201	8.55	111.5	1.3
5/23/2005	23.60	10.40	45	54.834	36.35	55.53	38.163	8.52	102.7	2.3
5/23/2005	23.63	10.41	45	54.851	36.36	55.47	38.121	8.47	107.0	1.2
5/23/2005	23.56	8.53	43	54.981	36.46	55.42	38.081	8.45	56.5	4.1
5/23/2005	23.61	10.05	45	54.987	36.46	55.35	38.036	8.50	94.1	1.2
5/23/2005	23.60	8.96	43	54.907	36.40	55.29	37.997	8.46	80.0	1.1
5/23/2005	23.62	7.45	41	54.875	36.38	55.23	37.952	8.41	68.2	3.9
5/23/2005	23.64	7.24	41	54.908	36.40	55.14	37.895	8.40	57.8	10.8
5/23/2005	23.62	7.23	41	54.908	36.40	55.06	37.838	8.41	47.8	15.3
5/23/2005	23.68	6.85	40	54.926	36.41	55.00	37.796	8.38	25.9	15.8
5/23/2005	23.80	6.74	40	54.938	36.42	54.93	37.746	8.38	27.2	27.2
5/23/2005	23.86	6.50	40	54.910	36.40	54.87	37.710	8.37	16.7	6.1
5/23/2005	23.84	6.48	39	54.913	36.40	54.82	37.677	8.35	9.9	12.0
5/23/2005	23.84	5.97	39	54.911	36.40	54.79	37.651	8.34	4.4	6.7
5/23/2005	23.82	5.67	38	54.899	36.39	54.74	37.622	8.32	0.8	8.4
5/23/2005	23.84	5.26	38	54.886	36.38	54.74	37.621	8.30	0.1	2.6
5/23/2005	23.84	5.20	37	54.887	36.38	54.75	37.626	8.30	0.1	6.2
5/23/2005	23.84	5.30	37	54.866	36.37	54.77	37.640	8.31	0.1	2.5
5/23/2005	23.84	4.90	37	54.866	36.37	54.81	37.670	8.30	0.1	4.7
5/23/2005	23.82	5.12	37	54.826	36.34	54.86	37.702	8.30	0.1	1.8
5/23/2005	23.79	5.02	37	54.764	36.29	54.91	37.739	8.29	0.1	4.2
5/23/2005	23.74	5.02	37	54.711	36.25	55.00	37.801	8.29	0.1	4.4
5/24/2005	23.71	4.59	37	54.685	36.23	55.08	37.854	8.28	0.1	3.7
5/24/2005	23.70	4.61	37	54.660	36.21	55.18	37.924	8.28	0.1	5.5
5/24/2005	23.66	4.62	37	54.684	36.23	55.27	37.988	8.28	0.1	4.9
5/24/2005	23.65	4.95	37	54.574	36.15	55.36	38.053	8.30	0.1	5.4
5/24/2005	23.56	5.34	38	54.496	36.09	55.46	38.123	8.31	0.1	1156.3
5/24/2005	23.55	5.72	38	54.490	36.09	55.55	38.179	8.34	0.1	2.6
5/24/2005	23.67	5.87	38	54.640	36.20	55.65	38.250	8.34	0.1	-0.3
5/24/2005	23.75	5.87	39	54.683	36.23	55.73	38.305	8.35	0.1	0.3
5/24/2005	23.72	5.66	38	54.764	36.29	55.80	38.350	8.34	0.1	-0.2
5/24/2005	23.69	5.50	38	54.903	36.40	55.85	38.380	8.33	0.1	1157.4
5/24/2005	23.68	5.55	38	54.908	36.40	55.90	38.414	8.33	0.1	2.9
5/24/2005	23.72	5.01	37	54.900	36.39	55.93	38.437	8.30	0.1	2.8
5/24/2005	23.73	5.22	37	54.909	36.40	55.97	38.461	8.31	0.1	3.9
5/24/2005	23.75	5.33	37	54.940	36.42	55.99	38.477	8.32	1.3	0.6
5/24/2005	23.73	5.49	38	54.942	36.42	56.01	38.488	8.32	5.1	1.8
5/24/2005	23.76	5.85	38	54.931	36.42	56.01	38.487	8.34	9.8	3.6
5/24/2005	23.72	6.39	39	54.848	36.35	55.99	38.481	8.36	24.8	2.1
5/24/2005	23.51	6.33	39	54.965	36.44	55.99	38.472	8.37	36.6	2.2
5/24/2005	23.45	6.54	39	54.977	36.46	55.97	38.456	8.39	49.5	3.2
5/24/2005	23.44	8.09	42	54.998	36.47	55.94	38.435	8.45	64.1	0.4
5/24/2005	23.46	9.63	44	55.003	36.47	55.91	38.417	8.49	78.2	2.7
5/24/2005	23.50	10.44	45	55.009	36.48	55.89	38.405	8.56	91.8	2.8
5/24/2005	23.53	10.78	46	54.760	36.29	55.85	38.383	8.55	111.7	5.3
5/24/2005	23.73	8.77	43	54.911	36.40	55.82	38.359	8.54	108.9	7.9
5/24/2005	23.80	8.43	42	54.900	36.39	55.78	38.331	8.53	112.7	59.2
5/24/2005	23.86	12.28	48	54.889	36.38	55.73	38.303	8.58	108.6	4.2
5/24/2005	24.18	10.83	46	54.927	36.40	55.69	38.272	8.58	121.2	1161.5
5/24/2005	24.11	9.44	45	54.922	36.40	55.62	38.230	8.49	112.4	2.5
5/24/2005	24.18	8.47	43	54.933	36.41	55.57	38.194	8.47	111.1	3.1
5/24/2005	24.20	9.41	45	54.953	36.42	55.51	38.149	8.46	106.8	2.1
5/24/2005	24.13	9.40	45	54.983	36.45	55.45	38.112	8.45	101.4	4.5
5/24/2005	23.96	9.21	44	55.004	36.47	55.37	38.052	8.42	84.1	5.7
5/24/2005	23.78	8.34	42	55.015	36.48	55.30	38.000	8.42	72.1	5.6
5/24/2005	23.83	8.47	43	54.994	36.46	55.21	37.939	8.43	60.6	11.2

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/24/2005	23.85	8.00	42	54.986	36.45	55.13	37.890	8.42	50.8	8.3
5/24/2005	23.82	7.94	42	54.968	36.44	55.05	37.829	8.42	39.6	2.8
5/24/2005	23.72	7.01	41	54.872	36.37	54.96	37.768	8.38	29.1	1157.7
5/24/2005	23.67	6.90	40	54.860	36.36	54.88	37.716	8.37	19.6	4.0
5/24/2005	23.67	6.51	40	54.860	36.36	54.82	37.675	8.36	11.2	2.5
5/24/2005	23.70	6.14	39	54.826	36.34	54.77	37.638	8.35	4.6	7.4
5/24/2005	23.71	5.82	38	54.834	36.34	54.72	37.608	8.34	0.7	1157.5
5/24/2005	23.70	5.58	39	54.876	36.38	54.69	37.582	8.32	0.1	1.2
5/24/2005	23.62	5.66	38	54.923	36.41	54.67	37.568	8.32	0.1	3.4
5/24/2005	23.67	5.40	38	54.894	36.39	54.67	37.569	8.30	0.1	3.4
5/24/2005	23.68	5.33	38	54.888	36.38	54.68	37.576	8.31	0.1	3.1
5/24/2005	23.70	5.18	38	54.876	36.38	54.72	37.602	8.30	0.1	5.5
5/24/2005	23.75	5.21	38	54.850	36.35	54.76	37.631	8.30	0.1	7.4
5/24/2005	23.77	4.96	38	54.836	36.34	54.85	37.696	8.29	0.1	12.1
5/25/2005	23.76	5.05	37	54.845	36.35	54.91	37.733	8.29	0.1	11.2
5/25/2005	23.77	5.04	38	54.831	36.34	55.00	37.798	8.29	0.1	1158.0
5/25/2005	23.77	4.91	37	54.812	36.33	55.10	37.866	8.29	0.1	12.7
5/25/2005	23.77	4.93	37	54.789	36.31	55.19	37.931	8.29	0.1	8.4
5/25/2005	23.77	4.73	36	54.761	36.29	55.29	37.996	8.27	0.1	11.5
5/25/2005	23.77	4.61	37	54.726	36.26	55.39	38.068	8.26	0.1	4.2
5/25/2005	23.77	4.39	36	54.734	36.27	55.48	38.132	8.26	0.1	6.0
5/25/2005	23.83	4.34	36	54.681	36.23	55.59	38.208	8.27	0.1	1158.5
5/25/2005	23.79	4.26	36	54.713	36.25	55.68	38.271	8.24	0.1	4.9
5/25/2005	24.08	5.20	38	54.765	36.29	55.76	38.325	8.20	0.1	1160.6
5/25/2005	24.19	5.57	38	54.781	36.29	55.84	38.380	8.22	0.1	269.7
5/25/2005	23.63	5.62	38	54.937	36.42	55.89	38.408	8.25	0.1	6.3
5/25/2005	23.57	5.62	38	54.988	36.46	55.92	38.425	8.30	0.1	3.8
5/25/2005	23.57	5.31	37	54.991	36.46	55.99	38.473	8.28	1.3	2.7
5/25/2005	23.53	5.46	38	55.023	36.49	56.00	38.479	8.27	5.5	0.1
5/25/2005	23.43	5.69	39	55.057	36.52	56.02	38.492	8.27	12.6	0.8
5/25/2005	23.42	6.00	39	55.058	36.52	56.04	38.503	8.29	21.6	1.4
5/25/2005	23.45	6.36	39	55.053	36.51	56.04	38.504	8.35	34.3	1.2
5/25/2005	23.48	6.80	40	55.052	36.51	56.05	38.514	8.40	29.5	1.5
5/25/2005	23.55	7.22	41	55.005	36.47	56.03	38.501	8.43	65.0	1.6
5/25/2005	23.64	7.44	41	54.975	36.45	56.02	38.492	8.46	70.0	2.0
5/25/2005	23.74	7.84	41	54.942	36.42	55.99	38.477	8.48	82.4	1.9
5/25/2005	23.78	7.64	41	54.957	36.43	55.96	38.457	8.52	90.3	1.7
5/25/2005	24.05	8.55	43	54.893	36.38	55.94	38.445	8.56	98.6	1.1
5/25/2005	24.05	9.02	44	54.874	36.37	55.91	38.424	8.59	107.3	1.0
5/25/2005	24.17	9.35	44	54.892	36.38	55.87	38.397	8.59	111.4	0.1
5/25/2005	23.96	8.35	42	54.947	36.42	55.84	38.378	8.50	76.7	1.9
5/25/2005	23.86	7.36	41	54.972	36.44	55.79	38.337	8.40	35.3	1.7
5/25/2005	23.97	10.08	46	54.960	36.43	55.73	38.300	8.54	96.0	1.6
5/25/2005	24.04	8.17	42	54.947	36.42	55.67	38.263	8.48	103.4	1.8
5/25/2005	24.19	7.81	42	54.960	36.43	55.62	38.229	8.43	36.3	1.8
5/25/2005	24.15	9.10	44	54.981	36.45	55.55	38.179	8.51	87.6	1.5
5/25/2005	24.04	8.07	42	54.979	36.45	55.48	38.126	8.45	70.9	0.9
5/25/2005	24.21	8.37	43	54.968	36.43	55.41	38.081	8.47	60.7	2.3
5/25/2005	24.16	7.87	42	54.963	36.43	55.34	38.031	8.43	47.2	2.8
5/25/2005	24.11	7.00	41	54.964	36.43	55.25	37.969	8.38	37.5	2.9
5/25/2005	24.09	7.18	41	54.977	36.44	55.16	37.911	8.38	26.7	2.5
5/25/2005	24.11	6.90	40	54.984	36.45	55.08	37.855	8.37	17.4	2.7
5/25/2005	24.11	6.55	40	54.983	36.45	55.00	37.801	8.35	9.7	2.9
5/25/2005	24.11	6.22	39	54.987	36.45	54.93	37.751	8.33	4.2	1.8
5/25/2005	24.12	5.88	39	54.993	36.45	54.87	37.713	8.31	0.7	1.7
5/25/2005	24.16	5.82	39	54.971	36.44	54.82	37.674	8.31	0.1	2.4
5/25/2005	24.14	5.82	39	54.967	36.44	54.78	37.648	8.30	0.1	3.0
5/25/2005	24.18	5.80	39	54.968	36.43	54.76	37.638	8.31	0.1	2.8

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/25/2005	24.22	5.57	38	54.961	36.43	54.74	37.624	8.29	0.1	3.1
5/25/2005	24.26	5.31	38	54.960	36.43	54.74	37.625	8.28	0.1	1.2
5/25/2005	24.28	5.21	38	54.933	36.41	54.77	37.644	8.28	0.1	2.9
5/25/2005	24.29	5.11	38	54.913	36.39	54.81	37.670	8.27	0.1	4.8
5/26/2005	24.29	4.94	37	54.898	36.38	54.84	37.691	8.27	0.1	2.8
5/26/2005	24.28	4.79	37	54.880	36.37	54.89	37.729	8.27	0.1	4.1
5/26/2005	24.27	4.78	37	54.852	36.35	54.99	37.794	8.27	0.1	4.3
5/26/2005	24.29	4.79	37	54.842	36.34	55.04	37.834	8.27	0.1	4.8
5/26/2005	24.28	4.60	36	54.857	36.35	55.14	37.903	8.26	0.1	6.4
5/26/2005	24.27	4.59	37	54.832	36.33	55.23	37.962	8.25	0.1	4.8
5/26/2005	24.28	4.73	37	54.831	36.33	55.34	38.039	8.27	0.1	3.3
5/26/2005	24.28	4.79	37	54.808	36.31	55.43	38.098	8.28	0.1	0.6
5/26/2005	24.27	4.61	36	54.775	36.29	55.52	38.161	8.27	0.1	1.2
5/26/2005	24.31	5.58	38	54.908	36.39	55.62	38.227	8.34	0.1	1.2
5/26/2005	24.06	5.60	39	54.920	36.40	55.71	38.289	8.33	0.1	0.5
5/26/2005	23.85	5.79	38	54.911	36.40	55.78	38.334	8.35	0.1	0.2
5/26/2005	23.79	5.37	38	54.932	36.42	55.84	38.374	8.32	0.1	5.5
5/26/2005	23.67	5.35	38	54.983	36.46	55.90	38.416	8.32	0.9	2.5
5/26/2005	23.51	5.81	39	55.044	36.50	55.95	38.445	8.35	4.5	2.2
5/26/2005	23.55	5.80	38	55.040	36.50	55.99	38.471	8.34	11.4	2.9
5/26/2005	23.50	6.20	39	55.050	36.51	56.02	38.492	8.38	21.5	3.7
5/26/2005	23.53	6.43	39	55.047	36.51	56.04	38.504	8.40	27.6	2.2
5/26/2005	23.54	6.79	40	55.031	36.49	56.05	38.514	8.43	39.5	0.2
5/26/2005	23.65	7.00	40	55.001	36.47	56.06	38.521	8.43	47.3	1.5
5/26/2005	23.74	6.87	40	54.975	36.45	56.04	38.511	8.45	57.9	0.3
5/26/2005	23.95	7.90	42	54.898	36.39	56.02	38.501	8.54	70.1	1.5
5/26/2005	23.96	8.68	43	54.903	36.39	56.01	38.495	8.54	79.7	2.1
5/26/2005	24.00	8.31	42	54.875	36.37	55.99	38.479	8.53	83.6	2.8
5/26/2005	24.01	8.02	42	54.902	36.39	55.96	38.463	8.54	45.5	2.6
5/26/2005	24.03	8.97	43	54.900	36.39	55.92	38.433	8.48	48.7	1.4
5/26/2005	24.12	9.96	45	54.916	36.40	55.88	38.409	8.58	96.5	0.3
5/26/2005	24.16	10.01	45	54.881	36.37	55.85	38.383	8.50	71.8	2.6
5/26/2005	24.13	8.88	43	54.849	36.35	55.82	38.366	8.45	79.0	3.6
5/26/2005	24.17	9.56	45	54.877	36.37	55.78	38.335	8.49	81.9	1.2
5/26/2005	24.17	8.34	43	54.903	36.39	55.72	38.296	8.44	38.8	1.1
5/26/2005	24.27	8.17	43	54.875	36.36	55.67	38.267	8.50	68.1	1.8
5/26/2005	24.27	7.45	41	54.876	36.36	55.61	38.222	8.50	46.9	0.7
5/26/2005	24.26	7.34	41	54.851	36.35	55.53	38.171	8.46	48.0	-0.5
5/26/2005	24.20	7.03	41	54.841	36.34	55.48	38.131	8.41	37.3	1.4
5/26/2005	24.24	7.24	41	54.851	36.35	55.40	38.077	8.43	30.2	4.5
5/26/2005	24.24	6.88	40	54.846	36.34	55.32	38.024	8.38	21.1	1.2
5/26/2005	24.27	6.43	40	54.832	36.33	55.24	37.971	8.34	12.5	3.9
5/26/2005	24.24	6.02	39	54.825	36.33	55.16	37.913	8.32	4.4	1.5
5/26/2005	23.92	5.93	39	54.896	36.39	55.08	37.854	8.33	2.3	0.6
5/26/2005	24.00	5.56	39	54.869	36.36	55.01	37.808	8.30	0.6	0.2
5/26/2005	24.00	5.53	38	54.869	36.36	54.96	37.771	8.30	0.1	-0.5
5/26/2005	24.05	5.44	38	54.845	36.35	54.89	37.728	8.29	0.1	0.5
5/26/2005	24.04	5.56	38	54.849	36.35	54.84	37.692	8.32	0.1	-0.7
5/26/2005	24.05	5.20	38	54.843	36.34	54.81	37.671	8.23	0.1	0.1
5/26/2005	24.07	5.15	38	54.829	36.33	54.78	37.651	8.21	0.1	3.2
5/26/2005	24.08	5.20	38	54.828	36.33	54.79	37.658	8.24	0.1	0.6
5/26/2005	24.09	5.07	37	54.823	36.33	54.80	37.663	8.28	0.1	0.6
5/27/2005	24.11	5.00	37	54.782	36.30	54.82	37.681	8.28	0.1	2.3
5/27/2005	24.11	4.76	37	54.754	36.28	54.85	37.699	8.27	0.1	2.7
5/27/2005	24.11	4.74	37	54.768	36.29	54.87	37.713	8.27	0.1	-0.5
5/27/2005	24.11	4.51	37	54.733	36.26	54.93	37.755	8.26	0.1	0.1
5/27/2005	24.09	4.41	36	54.656	36.20	55.00	37.803	8.25	0.1	1.2
5/27/2005	24.09	4.44	36	54.675	36.22	55.07	37.856	8.25	0.1	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/27/2005	24.09	4.46	36	54.654	36.20	55.15	37.912	8.26	0.1	0.4
5/27/2005	24.09	4.36	36	54.628	36.18	55.26	37.983	8.25	0.1	0.3
5/27/2005	24.09	4.42	36	54.607	36.17	55.35	38.048	8.25	0.1	2.6
5/27/2005	23.95	5.48	38	54.733	36.26	55.45	38.112	8.33	0.1	0.7
5/27/2005	23.95	5.50	38	54.743	36.27	55.55	38.179	8.34	0.1	19.1
5/27/2005	23.81	5.39	38	54.843	36.35	55.65	38.247	8.32	0.1	3.7
5/27/2005	23.75	5.64	38	54.907	36.40	55.74	38.306	8.34	0.1	0.0
5/27/2005	23.67	5.65	38	54.966	36.44	55.82	38.356	8.35	1.1	1.5
5/27/2005	23.63	5.59	38	54.999	36.47	55.85	38.379	8.34	4.5	3.0
5/27/2005	23.66	5.73	38	54.986	36.46	55.93	38.432	8.35	9.9	0.5
5/27/2005	23.67	6.01	39	54.985	36.46	55.98	38.472	8.37	17.9	0.3
5/27/2005	23.68	6.17	39	54.987	36.46	56.01	38.489	8.38	24.4	1.0
5/27/2005	23.71	6.86	40	54.993	36.46	56.05	38.517	8.43	37.4	0.1
5/27/2005	23.73	6.75	40	54.985	36.46	56.06	38.523	8.44	47.9	-0.1
5/27/2005	23.75	7.46	41	54.984	36.45	56.08	38.535	8.47	61.3	0.7
5/27/2005	23.82	8.05	42	54.958	36.43	56.06	38.526	8.50	69.5	0.0
5/27/2005	23.88	8.99	43	54.940	36.42	56.05	38.521	8.61	80.3	-0.1
5/27/2005	23.89	10.10	45	54.947	36.42	56.03	38.506	8.61	87.3	0.4
5/27/2005	23.92	9.55	44	54.935	36.41	56.01	38.492	8.60	93.6	0.1
5/27/2005	23.98	9.74	45	54.891	36.38	55.99	38.478	8.60	96.9	0.6
5/27/2005	24.03	9.33	44	54.888	36.38	55.96	38.459	8.55	99.0	0.4
5/27/2005	24.12	8.58	43	54.863	36.36	55.93	38.440	8.51	98.4	0.6
5/27/2005	24.17	8.44	43	54.883	36.37	55.89	38.415	8.50	91.8	0.9
5/27/2005	24.30	8.46	43	54.867	36.36	55.85	38.390	8.45	85.3	0.1
5/27/2005	24.37	8.99	44	54.910	36.39	55.82	38.368	8.49	78.6	0.6
5/27/2005	24.39	8.95	43	54.894	36.38	55.78	38.339	8.48	67.9	-0.4
5/27/2005	24.40	8.55	43	54.910	36.39	55.73	38.306	8.44	57.4	0.5
5/27/2005	24.43	8.32	42	54.915	36.39	55.67	38.265	8.44	46.6	1.3
5/27/2005	24.43	8.04	43	54.924	36.40	55.62	38.228	8.45	38.3	-0.1
5/27/2005	24.46	7.72	42	54.906	36.38	55.55	38.184	8.41	29.2	1.2
5/27/2005	24.26	6.68	40	54.860	36.35	55.48	38.133	8.36	16.9	0.2
5/27/2005	24.24	6.52	40	54.850	36.35	55.41	38.088	8.36	14.7	-0.4
5/27/2005	24.22	6.25	39	54.850	36.35	55.34	38.035	8.35	8.5	-0.3
5/27/2005	24.20	5.88	39	54.842	36.34	55.27	37.987	8.33	3.9	-0.5
5/27/2005	24.16	5.64	38	54.840	36.34	55.20	37.939	8.32	0.8	0.0
5/27/2005	24.16	5.47	39	54.850	36.35	55.13	37.893	8.32	0.1	-0.2
5/27/2005	24.19	5.36	38	54.840	36.34	55.06	37.844	8.30	0.1	0.3
5/27/2005	24.11	5.39	38	54.805	36.31	54.99	37.796	8.31	0.1	-0.5
5/27/2005	24.14	5.26	38	54.808	36.32	54.94	37.765	8.31	0.1	-0.1
5/27/2005	24.15	5.11	38	54.807	36.31	54.91	37.741	8.30	0.1	-0.7
5/27/2005	24.15	5.07	38	54.801	36.31	54.87	37.716	8.30	0.1	0.0
5/27/2005	24.14	5.13	38	54.802	36.31	54.85	37.699	8.31	0.1	0.7
5/28/2005	24.16	5.06	38	54.798	36.31	54.84	37.695	8.30	0.1	-0.5
5/28/2005	24.17	4.97	37	54.795	36.31	54.83	37.690	8.29	0.1	-0.4
5/28/2005	24.17	4.89	37	54.792	36.30	54.86	37.709	8.29	0.1	-0.5
5/28/2005	24.18	4.75	37	54.793	36.30	54.88	37.721	8.29	0.1	0.5
5/28/2005	24.19	4.77	37	54.796	36.31	54.93	37.754	8.27	0.1	0.0
5/28/2005	24.20	4.44	36	54.781	36.29	54.96	37.780	8.25	0.1	0.3
5/28/2005	24.19	4.43	36	54.792	36.30	55.02	37.816	8.25	0.1	3.0
5/28/2005	24.22	4.35	36	54.775	36.29	55.09	37.865	8.24	0.1	-0.2
5/28/2005	24.23	4.38	37	54.785	36.30	55.16	37.917	8.26	0.1	0.2
5/28/2005	24.23	4.23	36	54.765	36.28	55.24	37.970	8.25	0.1	0.2
5/28/2005	24.35	4.29	36	54.795	36.30	55.34	38.037	8.27	0.1	-0.2
5/28/2005	24.13	5.48	38	54.868	36.36	55.42	38.092	8.34	0.1	-0.5
5/28/2005	24.12	5.40	38	54.886	36.37	55.52	38.158	8.34	0.1	-0.5
5/28/2005	23.91	5.38	38	54.927	36.41	55.61	38.216	8.33	0.8	-0.2
5/28/2005	23.89	5.60	38	54.932	36.41	55.68	38.264	8.34	4.9	-0.2
5/28/2005	23.94	5.73	38	54.928	36.41	55.76	38.320	8.35	10.6	5.3

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/28/2005	23.97	6.02	39	54.923	36.41	55.83	38.366	8.37	19.2	-0.2
5/28/2005	24.06	6.08	38	54.932	36.41	55.87	38.396	8.38	19.3	0.6
5/28/2005	24.10	6.24	39	54.901	36.39	55.91	38.428	8.41	37.0	0.9
5/28/2005	24.19	6.09	39	54.901	36.38	55.94	38.447	8.39	47.8	0.1
5/28/2005	24.27	7.27	41	54.888	36.37	55.96	38.460	8.47	67.2	1.2
5/28/2005	24.30	7.10	41	54.886	36.37	55.95	38.456	8.45	37.1	0.4
5/28/2005	24.30	7.14	40	54.889	36.37	55.97	38.470	8.42	23.6	0.3
5/28/2005	24.36	7.60	41	54.850	36.34	55.97	38.473	8.49	80.8	0.4
5/28/2005	23.97	7.26	41	54.938	36.42	55.96	38.462	8.47	95.5	1.3
5/28/2005	23.90	7.74	41	54.926	36.41	55.96	38.461	8.48	93.8	-0.4
5/28/2005	23.89	9.53	44	54.912	36.40	55.93	38.438	8.59	97.3	0.0
5/28/2005	23.94	8.79	43	54.883	36.38	55.90	38.416	8.52	94.3	0.1
5/28/2005	23.94	8.94	43	54.919	36.40	55.88	38.401	8.52	94.5	0.3
5/28/2005	23.98	8.80	43	54.907	36.39	55.86	38.389	8.50	86.6	-0.2
5/28/2005	23.99	8.59	43	54.938	36.42	55.84	38.377	8.48	53.3	0.9
5/28/2005	24.03	7.30	41	54.914	36.40	55.81	38.356	8.42	43.3	0.1
5/28/2005	24.07	8.32	43	54.915	36.40	55.77	38.331	8.47	47.3	0.7
5/28/2005	24.13	7.45	41	54.883	36.37	55.75	38.316	8.42	21.5	1.7
5/28/2005	24.13	7.24	41	54.893	36.38	55.71	38.292	8.40	23.0	2.0
5/28/2005	24.15	6.93	40	54.897	36.38	55.67	38.263	8.38	16.1	0.8
5/28/2005	24.20	7.10	41	54.897	36.38	55.63	38.238	8.39	27.2	0.3
5/28/2005	24.19	6.82	40	54.905	36.39	55.59	38.209	8.37	15.2	1.0
5/28/2005	24.23	6.42	40	54.892	36.38	55.53	38.164	8.35	8.5	0.5
5/28/2005	24.27	6.11	39	54.898	36.38	55.48	38.130	8.33	3.9	0.6
5/28/2005	24.26	5.92	39	54.895	36.38	55.42	38.094	8.31	0.8	1.6
5/28/2005	24.27	5.73	38	54.897	36.38	55.37	38.058	8.31	0.1	1.8
5/28/2005	24.29	5.78	38	54.889	36.37	55.32	38.024	8.31	0.1	2.7
5/28/2005	24.28	5.55	38	54.890	36.37	55.28	37.994	8.30	0.1	0.7
5/28/2005	24.28	5.49	38	54.890	36.37	55.23	37.962	8.28	0.1	1.2
5/28/2005	24.32	5.45	38	54.905	36.38	55.18	37.926	8.30	0.1	0.9
5/28/2005	24.32	5.30	38	54.898	36.38	55.13	37.893	8.29	0.1	2.2
5/28/2005	24.36	5.35	38	54.897	36.38	55.09	37.865	8.29	0.1	0.1
5/29/2005	24.17	4.99	37	54.715	36.25	55.04	37.836	8.28	0.1	1.9
5/29/2005	24.08	5.41	38	54.418	36.03	55.02	37.822	8.33	0.1	-0.2
5/29/2005	24.08	5.19	38	54.461	36.06	55.01	37.813	8.32	0.1	0.4
5/29/2005	24.06	5.10	38	54.429	36.03	54.98	37.798	8.31	0.1	0.3
5/29/2005	24.27	5.55	38	54.532	36.11	54.99	37.807	8.35	0.1	0.3
5/29/2005	24.32	5.07	37	54.545	36.12	55.00	37.814	8.33	0.1	0.6
5/29/2005	24.43	2.10	33	54.629	36.18	55.04	37.841	8.35	0.1	-0.3
5/29/2005	24.48	4.00	36	54.672	36.21	55.07	37.857	8.34	0.1	0.3
5/29/2005	24.55	4.94	37	54.776	36.28	55.13	37.896	8.34	0.1	0.5
5/29/2005	24.44	4.94	37	54.808	36.31	55.19	37.936	8.32	0.1	0.1
5/29/2005	24.44	4.92	37	54.804	36.31	55.27	37.993	8.31	0.1	0.8
5/29/2005	24.48	4.95	37	54.801	36.30	55.36	38.053	8.31	0.1	0.6
5/29/2005	24.52	4.92	37	54.782	36.29	55.42	38.100	8.31	0.1	1.6
5/29/2005	24.51	5.02	37	54.750	36.26	55.49	38.145	8.31	1.1	0.7
5/29/2005	24.50	5.03	38	54.719	36.24	55.57	38.203	8.31	3.6	1.6
5/29/2005	24.50	5.23	38	54.701	36.23	55.65	38.255	8.32	10.1	1.9
5/29/2005	24.49	5.23	38	54.661	36.20	55.70	38.293	8.32	12.1	0.6
5/29/2005	24.49	5.39	38	54.641	36.18	55.75	38.324	8.33	21.2	1.8
5/29/2005	24.19	5.93	39	54.853	36.35	55.82	38.366	8.38	35.6	1.4
5/29/2005	24.11	6.61	40	54.850	36.35	55.84	38.383	8.43	49.5	1.1
5/29/2005	24.16	6.52	40	54.843	36.34	55.87	38.399	8.40	39.8	1.4
5/29/2005	23.91	6.84	40	54.853	36.35	55.88	38.406	8.46	68.1	0.7
5/29/2005	24.04	7.55	41	54.842	36.34	55.88	38.406	8.51	79.6	0.9
5/29/2005	24.12	8.02	42	54.868	36.36	55.88	38.408	8.53	84.5	1.0
5/29/2005	24.03	7.36	41	54.844	36.35	55.88	38.405	8.49	89.2	0.6
5/29/2005	23.50	7.46	40	54.936	36.42	55.86	38.386	8.49	71.9	0.9

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/29/2005	23.59	8.86	43	54.931	36.42	55.83	38.363	8.56	95.1	2.2
5/29/2005	23.60	9.15	43	54.938	36.42	55.81	38.352	8.54	94.8	1.4
5/29/2005	23.58	8.27	42	54.874	36.38	55.80	38.348	8.50	87.5	0.5
5/29/2005	23.56	8.13	41	54.895	36.39	55.76	38.317	8.48	83.3	1.2
5/29/2005	23.58	7.95	41	54.889	36.39	55.73	38.301	8.44	60.9	1.3
5/29/2005	23.63	8.15	42	54.885	36.38	55.77	38.324	8.45	65.0	0.3
5/29/2005	23.64	7.70	41	54.898	36.39	55.68	38.265	8.42	37.1	0.4
5/29/2005	23.69	7.41	41	54.897	36.39	55.65	38.246	8.41	47.2	0.5
5/29/2005	23.72	7.28	41	54.904	36.40	55.65	38.243	8.41	38.5	0.6
5/29/2005	23.77	6.70	40	54.897	36.39	55.61	38.214	8.39	28.5	0.4
5/29/2005	23.77	7.01	40	54.902	36.39	55.57	38.189	8.39	19.3	0.4
5/29/2005	23.79	6.79	40	54.906	36.40	55.56	38.185	8.38	13.6	1.2
5/29/2005	23.81	6.55	40	54.908	36.40	55.56	38.184	8.37	8.0	1.2
5/29/2005	23.86	6.27	39	54.913	36.40	55.55	38.177	8.36	2.9	0.1
5/29/2005	23.86	6.28	39	54.916	36.40	55.53	38.165	8.36	0.6	0.6
5/29/2005	23.90	6.11	39	54.908	36.40	55.47	38.124	8.35	0.1	-0.1
5/29/2005	23.91	6.03	38	54.889	36.38	55.43	38.098	8.35	0.1	0.0
5/29/2005	23.84	5.88	39	54.822	36.33	55.41	38.085	8.34	0.1	1.9
5/29/2005	23.71	5.66	38	54.647	36.20	55.39	38.071	8.33	0.1	0.3
5/29/2005	23.66	5.63	38	54.578	36.15	55.35	38.046	8.33	0.1	0.4
5/29/2005	23.59	5.44	38	54.468	36.07	55.30	38.009	8.33	0.1	0.0
5/29/2005	23.61	5.40	37	54.467	36.07	55.28	37.995	8.32	0.1	0.3
5/30/2005	23.62	5.35	38	54.457	36.06	55.25	37.974	8.32	0.1	2.1
5/30/2005	23.65	5.14	37	54.404	36.02	55.20	37.945	8.31	0.1	0.9
5/30/2005	23.68	5.13	37	54.372	36.00	55.14	37.907	8.32	0.1	0.9
5/30/2005	23.66	5.07	37	54.404	36.02	55.12	37.891	8.31	0.1	1.3
5/30/2005	23.70	5.04	37	54.380	36.01	55.14	37.903	8.31	0.1	1.1
5/30/2005	23.73	4.91	36	54.136	35.82	55.12	37.896	8.30	0.1	1.8
5/30/2005	23.81	4.81	37	54.206	35.87	55.15	37.915	8.30	0.1	0.4
5/30/2005	23.82	4.69	37	54.212	35.88	55.16	37.919	8.29	0.1	0.7
5/30/2005	23.80	4.74	37	54.383	36.01	55.22	37.957	8.29	0.1	1.4
5/30/2005	24.20	4.94	37	54.676	36.22	55.19	37.940	8.32	0.1	0.0
5/30/2005	24.19	5.22	38	54.848	36.35	55.26	37.979	8.33	0.1	1.5
5/30/2005	24.23	5.08	37	54.813	36.32	55.31	38.015	8.31	0.1	0.7
5/30/2005	24.30	5.17	37	54.844	36.34	55.38	38.066	8.32	0.1	2.6
5/30/2005	24.32	5.28	38	54.847	36.34	55.41	38.089	8.33	0.1	0.8
5/30/2005	24.21	5.32	37	54.861	36.35	55.45	38.113	8.33	0.7	0.6
5/30/2005	24.33	5.24	37	54.866	36.36	55.55	38.185	8.32	1.4	5.3
5/30/2005	24.22	5.43	37	54.824	36.33	55.59	38.211	8.34	8.3	2.0
5/30/2005	24.33	5.40	38	54.813	36.32	55.68	38.273	8.33	7.0	0.9
5/30/2005	24.17	5.59	38	54.767	36.29	55.73	38.306	8.34	13.3	2.7
5/30/2005	23.99	5.97	38	54.720	36.25	55.76	38.324	8.38	45.3	4.1
5/30/2005	23.93	5.83	38	54.774	36.30	55.79	38.342	8.35	13.0	0.7
5/30/2005	23.96	5.94	38	54.784	36.30	55.78	38.336	8.36	24.2	0.4
5/30/2005	23.97	5.71	38	54.775	36.29	55.81	38.361	8.35	6.3	3.4
5/30/2005	24.07	5.99	39	54.742	36.27	55.81	38.363	8.37	30.5	0.2
5/30/2005	24.04	6.29	39	54.751	36.28	55.80	38.352	8.39	51.9	1.4
5/30/2005	24.06	6.60	39	54.752	36.28	55.81	38.362	8.40	47.0	0.1
5/30/2005	24.14	6.94	40	54.731	36.26	55.80	38.358	8.41	81.9	2.5
5/30/2005	24.11	6.97	40	54.730	36.26	55.77	38.332	8.40	73.5	0.0
5/30/2005	24.00	6.80	40	54.905	36.39	55.75	38.318	8.40	67.2	0.1
5/30/2005	24.05	6.75	40	54.949	36.42	55.71	38.290	8.41	61.4	0.4
5/30/2005	24.08	6.70	40	54.956	36.43	55.72	38.292	8.39	31.7	0.0
5/30/2005	24.08	6.77	40	54.959	36.43	55.67	38.257	8.40	48.2	0.0
5/30/2005	24.09	6.74	40	54.955	36.43	55.64	38.242	8.39	43.6	0.1
5/30/2005	24.11	6.70	39	54.958	36.43	55.66	38.250	8.39	36.8	1.3
5/30/2005	24.12	6.68	40	54.951	36.42	55.64	38.242	8.39	27.8	0.1
5/30/2005	24.12	6.51	40	54.954	36.43	55.62	38.229	8.38	14.7	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/30/2005	24.13	6.28	39	54.948	36.42	55.64	38.243	8.37	8.0	0.9
5/30/2005	24.14	6.27	39	54.945	36.42	55.60	38.210	8.36	8.1	0.3
5/30/2005	24.14	6.19	39	54.945	36.42	55.57	38.192	8.36	5.8	0.3
5/30/2005	24.14	6.06	38	54.944	36.42	55.58	38.199	8.35	2.4	0.9
5/30/2005	24.14	5.92	39	54.912	36.39	55.57	38.189	8.34	0.5	0.6
5/30/2005	24.15	5.81	38	54.900	36.38	55.56	38.187	8.34	0.1	0.6
5/30/2005	24.16	5.74	38	54.868	36.36	55.58	38.199	8.33	0.1	1.0
5/30/2005	24.15	5.49	38	54.821	36.33	55.54	38.178	8.33	0.1	0.0
5/30/2005	24.13	5.29	38	54.823	36.33	55.55	38.182	8.33	0.1	0.5
5/30/2005	24.11	5.17	37	54.809	36.32	55.49	38.138	8.33	0.1	1.5
5/30/2005	24.13	5.16	38	54.804	36.31	55.50	38.144	8.33	0.1	2.4
5/30/2005	24.13	4.98	37	54.785	36.30	55.45	38.111	8.32	0.1	3.4
5/31/2005	24.14	4.90	37	54.787	36.30	55.44	38.105	8.31	0.1	1.5
5/31/2005	24.17	4.84	37	54.797	36.31	55.45	38.111	8.31	0.1	1.7
5/31/2005	24.23	4.79	37	54.793	36.30	55.42	38.093	8.31	0.1	2.9
5/31/2005	24.43	5.01	37	54.770	36.28	55.37	38.061	8.33	0.1	2.0
5/31/2005	24.39	4.78	37	54.755	36.27	55.34	38.043	8.31	0.1	2.2
5/31/2005	24.40	5.09	37	54.702	36.23	55.35	38.047	8.33	0.1	2.0
5/31/2005	24.30	4.90	37	54.688	36.22	55.34	38.042	8.32	0.1	1.0
5/31/2005	24.32	4.87	37	54.683	36.22	55.33	38.035	8.32	0.1	2.1
5/31/2005	24.27	5.03	37	54.678	36.22	55.30	38.017	8.31	0.1	1.4
5/31/2005	24.32	4.98	37	54.634	36.18	55.32	38.026	8.32	0.1	1.5
5/31/2005	24.32	4.93	37	54.642	36.19	55.33	38.035	8.30	0.1	1.1
5/31/2005	24.32	4.89	37	54.576	36.14	55.34	38.043	8.31	0.1	1.5
5/31/2005	24.30	4.90	37	54.534	36.11	55.38	38.072	8.30	0.1	3.0
5/31/2005	24.30	4.81	36	54.550	36.12	55.41	38.095	8.30	0.7	1.6
5/31/2005	24.29	4.67	37	54.536	36.11	55.46	38.127	8.29	2.8	5.7
5/31/2005	24.29	4.80	37	54.532	36.11	55.50	38.158	8.30	3.6	1.6
5/31/2005	24.29	4.92	37	54.524	36.10	55.53	38.175	8.30	8.4	1.5
5/31/2005	24.29	5.09	38	54.505	36.09	55.58	38.214	8.32	14.6	1.6
5/31/2005	24.29	5.27	38	54.500	36.08	55.61	38.229	8.32	22.4	2.6
5/31/2005	24.32	5.43	38	54.495	36.08	55.65	38.256	8.35	43.6	2.8
5/31/2005	24.32	6.11	39	54.675	36.21	55.67	38.268	8.39	53.9	1.2
5/31/2005	24.36	6.60	40	54.655	36.20	55.69	38.280	8.42	57.3	1.7
5/31/2005	24.39	6.86	40	54.666	36.21	55.69	38.281	8.42	65.4	1.9
5/31/2005	24.41	7.19	40	54.664	36.20	55.69	38.283	8.43	72.7	1.4
5/31/2005	24.33	7.24	40	54.678	36.21	55.68	38.278	8.45	91.3	2.6
5/31/2005	24.23	6.40	39	54.670	36.21	55.68	38.273	8.38	37.7	1.4
5/31/2005	24.32	7.77	42	54.647	36.19	55.66	38.260	8.43	78.0	1.2
5/31/2005	24.33	6.84	40	54.686	36.22	55.63	38.244	8.38	34.1	1.4
5/31/2005	24.19	6.18	39	54.684	36.22	55.58	38.207	8.35	14.5	1.5
5/31/2005	24.29	6.90	40	54.675	36.21	55.58	38.206	8.39	69.2	1.8
5/31/2005	24.30	6.94	40	54.683	36.22	55.56	38.194	8.39	63.3	3.4
5/31/2005	24.34	6.87	40	54.681	36.22	55.54	38.182	8.39	56.8	2.1
5/31/2005	24.45	6.56	40	54.765	36.28	55.50	38.151	8.38	48.5	5.0
5/31/2005	24.45	6.62	40	54.773	36.28	55.47	38.134	8.38	42.0	3.2
5/31/2005	24.46	6.62	40	54.771	36.28	55.46	38.124	8.38	34.4	3.7
5/31/2005	24.49	6.52	40	54.762	36.27	55.46	38.122	8.38	27.2	3.5
5/31/2005	24.51	6.47	39	54.759	36.27	55.44	38.111	8.37	19.9	3.7
5/31/2005	24.54	6.25	39	54.757	36.27	55.46	38.122	8.36	14.0	3.1
5/31/2005	24.54	6.20	39	54.754	36.27	55.47	38.134	8.36	8.3	3.2
5/31/2005	24.64	5.95	39	54.769	36.28	55.48	38.142	8.35	3.9	2.7
5/31/2005	24.76	5.57	38	54.811	36.31	55.51	38.161	8.33	0.9	3.2
5/31/2005	24.36	5.61	38	54.767	36.28	55.51	38.158	8.34	0.1	2.0
5/31/2005	24.23	5.59	38	54.772	36.29	55.53	38.171	8.34	0.1	0.5
5/31/2005	24.27	5.39	37	54.776	36.29	55.57	38.194	8.33	0.1	1.2
5/31/2005	24.28	5.32	37	54.777	36.29	55.58	38.201	8.33	0.1	2.0
5/31/2005	24.25	5.22	37	54.770	36.29	55.59	38.210	8.33	0.1	1.2

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
5/31/2005	24.25	5.18	38	54.773	36.29	55.59	38.212	8.32	0.1	0.6
5/31/2005	24.32	5.06	37	54.779	36.29	55.59	38.216	8.32	0.1	1.3
6/1/2005	24.38	4.96	37	54.769	36.28	55.59	38.213	8.31	0.1	0.6
6/1/2005	24.38	4.92	37	54.758	36.27	55.59	38.211	8.31	0.1	0.9
6/1/2005	24.42	4.77	37	54.766	36.28	55.57	38.202	8.30	0.1	1.7
6/1/2005	24.47	4.68	36	54.792	36.30	55.55	38.187	8.30	0.1	1.9
6/1/2005	24.44	4.67	37	54.796	36.30	55.55	38.183	8.30	0.1	1.9
6/1/2005	24.45	4.64	36	54.798	36.30	55.52	38.165	8.29	0.1	0.7
6/1/2005	24.48	4.54	36	54.798	36.30	55.50	38.153	8.29	0.1	1.4
6/1/2005	24.49	4.52	37	54.796	36.30	55.50	38.149	8.29	0.1	0.7
6/1/2005	24.50	4.50	36	54.796	36.30	55.49	38.142	8.29	0.1	0.8
6/1/2005	24.50	4.41	36	54.796	36.30	55.47	38.129	8.29	0.1	0.4
6/1/2005	24.51	4.44	36	54.794	36.30	55.47	38.135	8.28	0.1	2.3
6/1/2005	24.53	4.39	36	54.793	36.30	55.49	38.146	8.29	0.1	0.9
6/1/2005	24.58	4.35	36	54.796	36.30	55.48	38.140	8.28	0.1	0.6
6/1/2005	24.58	4.34	37	54.798	36.30	55.48	38.142	8.28	1.0	0.7
6/1/2005	24.60	4.52	37	54.797	36.30	55.50	38.155	8.29	5.5	0.6
6/1/2005	24.59	4.81	37	54.785	36.29	55.52	38.168	8.30	11.8	1.9
6/1/2005	24.60	5.00	37	54.783	36.29	55.54	38.183	8.31	13.1	0.7
6/1/2005	24.63	5.02	37	54.784	36.29	55.56	38.197	8.31	15.7	1.5
6/1/2005	24.64	5.32	37	54.776	36.28	55.63	38.245	8.32	35.2	1.2
6/1/2005	24.58	5.57	38	54.781	36.29	55.59	38.215	8.33	33.5	1.0
6/1/2005	24.45	6.02	39	54.788	36.29	55.59	38.216	8.36	25.4	1.7
6/1/2005	24.43	6.06	38	54.789	36.30	55.61	38.229	8.36	24.8	1.2
6/1/2005	24.38	6.27	39	54.781	36.29	55.61	38.229	8.36	27.7	3.1
6/1/2005	24.41	6.27	39	54.785	36.29	55.60	38.221	8.37	31.8	1.4
6/1/2005	24.42	6.30	39	54.792	36.30	55.56	38.193	8.36	13.2	1.4
6/1/2005	24.42	6.17	39	54.794	36.30	55.61	38.225	8.36	17.3	1.0
6/1/2005	24.43	5.96	39	54.795	36.30	55.56	38.191	8.35	11.8	2.0
6/1/2005	24.49	5.85	38	53.621	35.42	55.52	38.188	8.34	13.0	2.0
6/1/2005	24.43	5.73	39	53.725	35.50	55.50	38.175	8.34	9.5	1.2
6/1/2005	24.29	5.79	39	54.825	36.33	55.47	38.126	8.35	11.4	1.1
6/1/2005	24.30	5.92	38	54.808	36.31	55.41	38.089	8.36	15.5	1.4
6/1/2005	24.32	6.35	39	53.064	35.01	55.37	38.095	8.37	40.0	0.6
6/1/2005	23.98	6.08	39	54.956	36.43	55.34	38.034	8.36	29.4	0.6
6/1/2005	24.02	6.23	39	54.946	36.42	55.33	38.028	8.37	23.9	1.0
6/1/2005	24.10	6.23	39	54.924	36.40	55.31	38.014	8.37	17.9	1.2
6/1/2005	24.16	6.19	39	53.588	35.41	55.30	38.037	8.36	16.8	1.2
6/1/2005	24.21	6.12	39	53.751	35.53	55.32	38.048	8.36	16.4	5.7
6/1/2005	24.26	5.96	38	53.648	35.45	55.32	38.048	8.36	14.3	2.6
6/1/2005	24.35	5.91	38	53.487	35.33	55.31	38.048	8.35	11.2	2.5
6/1/2005	24.43	5.67	38	54.832	36.33	55.31	38.019	8.34	4.7	0.8
6/1/2005	24.44	5.51	38	54.862	36.35	55.34	38.041	8.34	0.9	1.5
6/1/2005	24.54	5.35	38	54.855	36.34	55.36	38.058	8.33	0.1	1.4
6/1/2005	24.52	5.30	38	54.861	36.35	55.41	38.086	8.32	0.1	2.1
6/1/2005	24.55	5.28	38	54.842	36.33	55.46	38.122	8.32	0.1	1.8
6/1/2005	24.71	5.26	38	54.824	36.32	55.50	38.153	8.33	0.1	1.1
6/1/2005	24.60	5.32	37	54.831	36.32	55.58	38.204	8.33	0.1	1.2
6/1/2005	24.47	5.35	38	54.845	36.34	55.59	38.209	8.33	0.1	1.6
6/1/2005	24.42	5.28	38	54.850	36.34	55.63	38.240	8.33	0.1	2.4
6/2/2005	24.42	5.23	37	54.841	36.33	55.65	38.256	8.33	0.1	2.3
6/2/2005	24.43	5.09	37	54.838	36.33	55.68	38.271	8.32	0.1	2.4
6/2/2005	24.43	5.14	37	54.839	36.33	55.69	38.283	8.32	0.1	1.8
6/2/2005	24.45	5.11	38	54.833	36.33	55.69	38.279	8.32	0.1	2.5
6/2/2005	24.49	4.99	37	54.825	36.32	55.69	38.282	8.31	0.1	1.6
6/2/2005	24.50	4.95	37	54.819	36.32	55.68	38.272	8.31	0.1	1.0
6/2/2005	24.33	5.36	38	54.822	36.32	55.69	38.277	8.34	0.1	3.8
6/2/2005	24.28	5.21	38	54.833	36.33	55.68	38.271	8.33	0.1	2.0

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/2/2005	24.23	5.21	37	54.842	36.34	55.67	38.264	8.33	0.1	0.7
6/2/2005	24.25	5.05	37	54.839	36.34	55.64	38.242	8.32	0.1	0.7
6/2/2005	24.25	5.13	38	54.836	36.34	55.63	38.235	8.33	0.1	1.9
6/2/2005	24.29	5.04	38	54.826	36.33	55.61	38.227	8.32	0.0	1.0
6/2/2005	24.29	4.99	37	54.827	36.33	55.60	38.219	8.32	0.1	1.2
6/2/2005	24.31	4.94	37	54.820	36.32	55.59	38.211	8.32	1.1	2.1
6/2/2005	24.33	4.85	37	54.811	36.31	55.58	38.208	8.31	4.1	1.5
6/2/2005	24.34	4.91	37	54.819	36.32	55.58	38.208	8.31	8.6	2.2
6/2/2005	24.38	4.96	37	54.806	36.31	55.60	38.221	8.31	14.6	1.0
6/2/2005	24.44	5.03	37	54.786	36.29	55.60	38.220	8.31	22.3	1.2
6/2/2005	24.43	5.24	38	54.795	36.30	55.61	38.227	8.32	30.1	1.8
6/2/2005	24.40	5.69	38	54.773	36.28	55.61	38.225	8.35	38.0	2.9
6/2/2005	24.39	6.04	39	54.764	36.28	55.62	38.233	8.37	47.5	1.8
6/2/2005	24.43	6.21	39	54.763	36.28	55.61	38.227	8.38	53.7	1.2
6/2/2005	24.49	6.46	40	54.743	36.26	55.61	38.229	8.39	75.0	1.4
6/2/2005	24.50	6.39	39	54.754	36.27	55.59	38.212	8.39	67.0	1.4
6/2/2005	24.55	6.62	40	54.736	36.25	55.56	38.198	8.40	72.1	2.5
6/2/2005	24.62	6.77	40	54.722	36.24	55.53	38.177	8.40	72.7	2.1
6/2/2005	24.66	7.17	40	54.723	36.24	55.51	38.162	8.40	74.8	1.5
6/2/2005	24.68	7.12	41	54.725	36.24	55.47	38.135	8.38	71.1	2.6
6/2/2005	24.73	7.13	41	54.713	36.23	55.43	38.106	8.38	67.7	2.0
6/2/2005	24.70	6.93	40	54.707	36.23	55.37	38.067	8.38	63.0	1.7
6/2/2005	24.51	6.63	40	54.718	36.24	55.33	38.035	8.37	58.7	3.6
6/2/2005	24.43	6.53	40	54.243	35.89	55.28	38.014	8.37	51.7	3.2
6/2/2005	24.46	6.53	40	54.189	35.85	55.24	37.984	8.38	44.2	1.5
6/2/2005	24.48	6.59	40	54.724	36.25	55.20	37.949	8.38	37.7	3.2
6/2/2005	24.54	6.52	39	54.723	36.24	55.17	37.927	8.38	29.1	1.6
6/2/2005	24.55	6.38	40	54.727	36.25	55.15	37.911	8.37	23.7	1.8
6/2/2005	24.58	6.32	40	54.723	36.24	55.14	37.903	8.37	17.7	1.5
6/2/2005	24.58	6.26	39	54.726	36.25	55.13	37.899	8.36	11.1	2.6
6/2/2005	24.61	6.15	39	54.723	36.24	55.13	37.902	8.36	7.2	2.1
6/2/2005	24.62	6.04	39	54.725	36.24	55.17	37.928	8.35	1.9	1.8
6/2/2005	24.65	5.91	39	54.725	36.24	55.17	37.929	8.35	0.7	3.4
6/2/2005	24.77	5.71	39	54.723	36.24	55.22	37.966	8.34	0.1	2.9
6/2/2005	24.75	5.59	39	54.726	36.24	55.26	37.993	8.33	0.1	2.8
6/2/2005	24.83	5.28	38	54.727	36.24	55.32	38.031	8.33	0.1	2.1
6/2/2005	24.90	5.25	38	54.717	36.23	55.38	38.075	8.32	0.1	1.9
6/2/2005	24.86	5.07	38	54.725	36.24	55.43	38.109	8.31	0.1	1.9
6/2/2005	24.88	5.12	38	54.736	36.25	55.50	38.155	8.32	0.1	2.1
6/2/2005	24.38	5.37	38	54.722	36.25	55.54	38.178	8.33	0.1	2.0
6/3/2005	24.41	5.29	38	54.720	36.24	55.59	38.216	8.33	0.1	2.3
6/3/2005	24.43	5.20	38	54.723	36.25	55.63	38.240	8.33	0.1	2.1
6/3/2005	24.37	5.17	38	54.736	36.26	55.67	38.269	8.33	0.1	2.3
6/3/2005	24.40	4.98	37	54.735	36.26	55.70	38.291	8.31	0.1	2.3
6/3/2005	24.41	4.96	38	54.731	36.25	55.72	38.306	8.32	0.0	2.0
6/3/2005	24.42	4.96	38	54.732	36.25	55.74	38.320	8.32	0.1	1.8
6/3/2005	24.46	4.83	37	54.733	36.25	55.75	38.327	8.31	0.1	2.3
6/3/2005	24.44	5.03	37	54.736	36.26	55.75	38.327	8.32	0.1	1.5
6/3/2005	24.45	5.11	38	54.735	36.25	55.76	38.330	8.33	0.1	2.0
6/3/2005	24.44	4.96	38	54.737	36.26	55.77	38.336	8.32	0.1	2.0
6/3/2005	24.45	4.74	37	54.737	36.26	55.77	38.336	8.30	0.1	2.0
6/3/2005	24.46	4.56	37	54.737	36.26	55.76	38.329	8.30	0.1	3.2
6/3/2005	24.46	4.68	37	54.737	36.26	55.72	38.305	8.31	0.1	2.2
6/3/2005	24.50	4.60	37	54.732	36.25	55.73	38.309	8.30	0.8	2.6
6/3/2005	24.51	4.53	36	54.727	36.25	55.71	38.297	8.30	1.7	2.5
6/3/2005	24.54	4.68	37	53.684	35.47	55.72	38.323	8.30	3.4	2.0
6/3/2005	24.56	4.91	38	53.453	35.30	55.70	38.319	8.31	14.1	2.0
6/3/2005	24.58	4.84	37	54.709	36.23	55.69	38.285	8.30	12.2	2.1

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/3/2005	24.60	5.12	38	54.699	36.22	55.67	38.271	8.32	29.3	2.4
6/3/2005	24.64	5.29	38	54.699	36.22	55.65	38.259	8.33	35.7	3.7
6/3/2005	24.66	5.35	38	54.698	36.22	55.64	38.252	8.33	25.0	2.5
6/3/2005	24.68	5.37	38	53.342	35.21	55.63	38.276	8.33	22.0	3.2
6/3/2005	24.72	5.72	39	54.682	36.21	55.62	38.242	8.35	51.1	5.4
6/3/2005	24.78	5.99	39	54.668	36.20	55.62	38.242	8.36	54.7	3.6
6/3/2005	24.50	6.28	40	54.712	36.24	55.59	38.214	8.39	64.4	3.1
6/3/2005	24.36	6.75	40	54.724	36.25	55.57	38.197	8.40	66.4	4.2
6/3/2005	24.42	7.03	40	54.719	36.24	55.51	38.162	8.41	66.3	3.1
6/3/2005	24.45	7.06	41	53.362	35.23	55.48	38.167	8.39	63.9	2.6
6/3/2005	24.55	7.06	41	54.704	36.23	55.45	38.116	8.39	60.3	5.6
6/3/2005	24.61	6.83	40	54.685	36.21	55.37	38.063	8.39	61.7	2.5
6/3/2005	24.58	6.40	40	54.698	36.22	55.31	38.023	8.37	20.2	3.1
6/3/2005	24.63	6.61	40	53.291	35.18	55.25	38.011	8.38	41.2	3.1
6/3/2005	24.66	6.38	40	54.697	36.22	55.21	37.955	8.38	35.7	4.0
6/3/2005	24.62	6.19	39	54.683	36.21	55.17	37.925	8.37	28.8	2.1
6/3/2005	24.61	6.08	39	54.685	36.21	55.13	37.898	8.37	23.4	2.5
6/3/2005	24.64	6.02	39	54.691	36.22	55.11	37.886	8.36	10.0	3.1
6/3/2005	24.64	5.98	39	54.686	36.21	55.07	37.860	8.36	13.1	3.2
6/3/2005	24.65	5.89	39	54.683	36.21	55.05	37.844	8.36	9.5	3.2
6/3/2005	24.63	5.57	39	53.449	35.29	55.03	37.856	8.35	4.6	3.9
6/3/2005	24.60	5.46	38	54.677	36.21	55.04	37.839	8.35	2.3	2.9
6/3/2005	24.58	5.32	38	54.681	36.21	55.05	37.844	8.34	0.5	2.5
6/3/2005	24.63	5.18	38	54.678	36.21	55.09	37.871	8.33	0.1	3.7
6/3/2005	24.62	5.12	38	54.675	36.21	55.13	37.904	8.33	0.1	5.0
6/3/2005	24.64	5.15	38	54.675	36.21	55.18	37.934	8.33	0.1	4.0
6/3/2005	24.67	5.01	37	54.677	36.21	55.26	37.989	8.32	0.1	5.7
6/3/2005	24.81	4.86	37	54.672	36.20	55.30	38.022	8.32	0.1	4.9
6/3/2005	24.88	4.77	37	54.675	36.20	55.37	38.072	8.31	0.1	3.4
6/3/2005	24.91	4.73	37	54.677	36.20	55.45	38.128	8.31	0.1	4.4
6/4/2005	24.89	4.66	37	54.673	36.20	55.53	38.180	8.30	0.1	5.7
6/4/2005	24.90	4.53	37	54.673	36.20	55.58	38.218	8.29	0.1	6.2
6/4/2005	24.92	4.46	37	54.671	36.20	55.63	38.252	8.29	0.1	5.1
6/4/2005	24.29	5.10	37	54.754	36.27	55.70	38.288	8.33	0.1	3.9
6/4/2005	24.17	5.23	38	54.771	36.29	55.73	38.304	8.34	0.1	3.4
6/4/2005	24.01	5.31	38	54.804	36.32	55.79	38.347	8.35	0.0	2.9
6/4/2005	24.09	5.16	38	54.792	36.31	55.82	38.370	8.34	0.1	3.4
6/4/2005	24.00	5.18	38	54.814	36.32	55.84	38.379	8.34	0.0	5.2
6/4/2005	23.99	5.06	37	54.818	36.33	55.86	38.392	8.34	0.0	4.8
6/4/2005	24.00	4.95	38	54.817	36.33	55.86	38.393	8.33	0.0	3.9
6/4/2005	24.00	4.95	38	54.814	36.32	55.88	38.410	8.33	0.1	4.1
6/4/2005	24.03	4.92	37	54.808	36.32	55.88	38.406	8.33	0.0	6.1
6/4/2005	24.05	4.88	37	54.803	36.31	55.89	38.412	8.33	0.1	4.6
6/4/2005	24.09	4.75	37	54.783	36.30	55.89	38.417	8.33	0.7	5.7
6/4/2005	24.14	4.76	37	54.753	36.27	55.86	38.395	8.32	3.0	6.4
6/4/2005	24.15	4.74	37	54.745	36.27	55.85	38.388	8.32	4.1	7.0
6/4/2005	24.17	4.81	37	53.412	35.28	55.82	38.399	8.32	9.3	5.1
6/4/2005	24.18	4.79	37	54.712	36.24	55.80	38.356	8.32	11.2	6.7
6/4/2005	24.19	4.85	38	54.688	36.23	55.77	38.337	8.32	19.2	5.1
6/4/2005	24.22	4.92	37	54.667	36.21	55.79	38.354	8.33	24.7	3.9
6/4/2005	24.23	5.03	38	53.308	35.20	55.75	38.354	8.33	33.0	5.3
6/4/2005	24.22	5.22	38	54.466	36.06	55.70	38.294	8.34	11.6	7.3
6/4/2005	24.24	5.35	38	54.031	35.73	55.68	38.288	8.35	39.4	6.2
6/4/2005	24.25	5.48	38	54.442	36.04	55.67	38.275	8.36	42.3	4.0
6/4/2005	24.29	5.66	38	54.435	36.03	55.64	38.256	8.38	45.6	6.9
6/4/2005	24.27	5.88	38	54.354	35.98	55.59	38.224	8.37	46.0	8.1
6/4/2005	24.46	6.17	39	54.586	36.14	55.55	38.190	8.39	46.2	3.8
6/4/2005	24.58	6.14	39	54.650	36.19	55.49	38.151	8.39	45.0	5.7

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/4/2005	24.58	6.30	39	54.667	36.20	55.46	38.125	8.39	43.2	5.9
6/4/2005	24.54	6.18	39	54.644	36.19	55.41	38.091	8.39	38.4	3.7
6/4/2005	24.55	6.10	40	54.648	36.19	55.36	38.062	8.38	33.1	4.5
6/4/2005	24.55	6.15	40	54.626	36.17	55.26	37.991	8.39	28.9	6.5
6/4/2005	24.55	6.06	39	54.631	36.18	55.20	37.952	8.38	24.6	6.7
6/4/2005	24.54	6.06	39	54.613	36.16	55.15	37.918	8.38	19.6	7.1
6/4/2005	24.52	5.99	39	54.570	36.13	55.11	37.887	8.38	12.6	4.3
6/4/2005	24.52	5.94	39	54.556	36.12	55.05	37.847	8.37	11.3	6.4
6/4/2005	24.51	5.86	39	54.546	36.11	55.02	37.825	8.37	5.6	5.1
6/4/2005	24.50	5.83	38	54.513	36.09	54.98	37.803	8.37	4.3	7.0
6/4/2005	24.49	5.68	38	54.481	36.06	54.98	37.801	8.36	3.3	6.4
6/4/2005	24.45	5.29	38	54.563	36.13	54.95	37.780	8.35	1.3	4.8
6/4/2005	24.46	5.13	38	54.536	36.11	54.97	37.790	8.34	0.4	6.6
6/4/2005	24.36	5.08	38	54.556	36.12	54.99	37.805	8.34	0.1	8.1
6/4/2005	24.37	4.98	38	54.551	36.12	55.06	37.851	8.33	0.1	12.8
6/4/2005	24.40	4.93	38	54.521	36.10	55.08	37.870	8.33	0.1	8.5
6/4/2005	24.39	4.87	37	54.522	36.10	55.13	37.903	8.33	0.1	6.2
6/4/2005	24.40	4.76	37	54.501	36.08	55.19	37.941	8.32	0.0	4.7
6/4/2005	24.40	4.77	37	54.480	36.07	55.29	38.014	8.32	0.1	5.7
6/4/2005	24.40	4.68	37	54.468	36.06	55.34	38.050	8.32	0.1	5.6
6/5/2005	24.40	4.67	37	54.465	36.05	55.46	38.127	8.31	0.1	7.1
6/5/2005	24.40	4.54	37	54.430	36.03	55.52	38.172	8.30	0.1	5.0
6/5/2005	24.40	4.53	37	54.425	36.03	55.59	38.221	8.30	0.1	6.1
6/5/2005	24.38	4.45	36	54.353	35.97	55.68	38.284	8.30	0.0	6.7
6/5/2005	24.38	4.23	37	54.323	35.95	55.73	38.316	8.28	0.1	6.0
6/5/2005	24.38	4.16	36	54.338	35.96	55.81	38.376	8.28	0.1	6.7
6/5/2005	24.38	4.13	36	54.320	35.95	55.87	38.416	8.28	0.1	5.0
6/5/2005	24.35	4.48	36	54.362	35.98	55.87	38.416	8.31	0.1	6.6
6/5/2005	24.32	4.35	37	54.309	35.94	55.91	38.439	8.30	0.1	6.6
6/5/2005	23.93	4.68	37	53.942	35.67	55.93	38.460	8.33	0.1	4.8
6/5/2005	23.66	5.28	38	53.728	35.52	55.94	38.464	8.36	0.1	7.9
6/5/2005	23.84	4.99	37	54.008	35.73	55.95	38.472	8.35	0.1	4.5
6/5/2005	23.94	4.93	37	54.213	35.88	55.98	38.489	8.35	0.1	6.3
6/5/2005	24.08	4.90	37	54.416	36.02	55.97	38.478	8.34	0.3	3.7
6/5/2005	23.84	5.14	38	53.065	35.02	55.96	38.498	8.36	1.0	6.9
6/5/2005	23.77	5.18	37	54.029	35.74	55.95	38.471	8.36	2.9	4.1
6/5/2005	23.78	5.25	38	54.062	35.77	55.96	38.472	8.37	5.7	3.7
6/5/2005	23.77	5.25	38	54.034	35.75	55.94	38.461	8.37	5.1	4.7
6/5/2005	23.77	5.29	37	54.033	35.75	55.90	38.432	8.37	12.3	4.1
6/5/2005	23.76	5.31	38	54.018	35.73	55.89	38.425	8.37	16.2	5.8
6/5/2005	23.77	5.35	38	54.017	35.73	55.83	38.389	8.37	19.5	5.0
6/5/2005	23.76	5.46	38	53.978	35.70	55.81	38.375	8.38	23.2	4.9
6/5/2005	23.79	5.58	38	53.991	35.71	55.79	38.358	8.39	26.0	5.7
6/5/2005	23.79	5.61	38	53.976	35.70	55.75	38.335	8.39	27.9	3.8
6/5/2005	23.77	5.56	38	53.945	35.68	55.70	38.297	8.38	32.7	5.1
6/5/2005	23.72	5.56	38	53.841	35.60	55.64	38.263	8.38	31.2	4.1
6/5/2005	23.76	5.77	38	53.870	35.62	55.63	38.255	8.38	30.2	3.6
6/5/2005	23.72	5.68	38	53.815	35.58	55.58	38.215	8.38	28.4	5.8
6/5/2005	23.72	5.68	39	53.831	35.60	55.48	38.152	8.38	27.2	5.5
6/5/2005	23.80	5.63	38	53.969	35.70	55.40	38.092	8.38	24.8	6.0
6/5/2005	23.81	5.62	38	53.964	35.69	55.35	38.060	8.38	22.8	4.5
6/5/2005	23.82	5.68	38	52.596	34.68	55.30	38.054	8.39	19.6	6.4
6/5/2005	23.80	5.64	38	52.686	34.74	55.28	38.038	8.38	15.4	4.2
6/5/2005	23.80	5.58	38	53.948	35.68	55.16	37.929	8.38	13.3	4.9
6/5/2005	23.79	5.52	38	53.918	35.66	55.08	37.875	8.38	10.7	4.6
6/5/2005	23.78	5.47	38	53.896	35.64	55.03	37.841	8.37	8.0	5.6
6/5/2005	23.79	5.44	38	53.893	35.64	54.98	37.803	8.37	5.6	6.2
6/5/2005	23.78	5.30	37	53.851	35.61	54.95	37.785	8.36	3.9	4.3

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/5/2005	23.79	5.32	38	53.872	35.62	54.92	37.762	8.36	1.9	5.4
6/5/2005	23.85	5.10	37	53.958	35.69	54.90	37.746	8.36	0.9	3.8
6/5/2005	23.90	5.05	37	54.063	35.76	54.90	37.748	8.36	0.3	4.2
6/5/2005	23.93	5.01	38	54.101	35.79	54.89	37.738	8.35	0.1	9.2
6/5/2005	23.91	4.84	37	54.050	35.76	54.91	37.756	8.34	0.1	5.8
6/5/2005	23.90	4.77	37	54.046	35.75	54.95	37.782	8.34	0.1	4.8
6/5/2005	23.90	4.77	37	54.044	35.75	55.01	37.820	8.34	0.0	6.9
6/5/2005	23.91	4.85	37	54.104	35.80	54.99	37.809	8.35	0.1	5.5
6/5/2005	23.91	4.78	37	54.101	35.79	55.13	37.904	8.34	0.0	2.9
6/5/2005	23.91	4.74	37	54.117	35.81	55.18	37.937	8.34	0.1	3.1
6/6/2005	23.90	4.76	37	54.117	35.81	55.26	37.993	8.34	0.1	3.6
6/6/2005	23.90	4.68	37	54.100	35.79	55.34	38.048	8.34	0.1	3.0
6/6/2005	23.90	4.61	37	54.074	35.77	55.43	38.109	8.33	0.1	4.7
6/6/2005	23.97	4.74	36	54.020	35.73	55.51	38.166	8.34	0.0	4.2
6/6/2005	24.32	5.13	38	54.074	35.77	55.58	38.223	8.37	0.0	3.9
6/6/2005	24.54	5.12	37	54.171	35.83	55.65	38.269	8.37	0.1	5.6
6/6/2005	24.69	5.09	38	54.249	35.89	55.73	38.321	8.36	0.0	5.4
6/6/2005	24.77	5.07	37	54.294	35.92	55.75	38.337	8.36	0.0	6.4
6/6/2005	24.78	5.05	37	54.292	35.92	55.83	38.392	8.36	0.0	3.4
6/6/2005	24.78	4.97	37	54.275	35.90	55.90	38.442	8.35	0.1	4.1
6/6/2005	24.79	4.89	38	54.241	35.88	55.90	38.442	8.35	0.0	3.3
6/6/2005	24.81	5.04	37	54.213	35.86	55.92	38.455	8.36	0.1	6.4
6/6/2005	24.81	5.08	38	54.221	35.86	55.97	38.491	8.36	0.1	7.2
6/6/2005	24.76	5.10	37	54.256	35.89	55.97	38.492	8.36	0.5	8.5
6/6/2005	24.73	5.10	38	54.274	35.90	55.95	38.474	8.36	1.7	7.3
6/6/2005	24.72	5.12	38	54.287	35.92	55.96	38.482	8.36	2.9	6.4
6/6/2005	24.70	5.16	38	54.335	35.95	55.95	38.472	8.36	6.0	6.6
6/6/2005	24.70	5.15	38	54.381	35.99	55.98	38.492	8.36	5.4	4.9
6/6/2005	24.72	5.18	38	53.961	35.67	55.92	38.459	8.36	12.0	3.9
6/6/2005	24.74	5.25	38	52.503	34.59	55.89	38.472	8.36	16.7	4.0
6/6/2005	24.73	5.25	37	54.316	35.94	55.88	38.426	8.37	21.1	3.7
6/6/2005	24.76	5.35	38	54.291	35.92	55.84	38.397	8.38	24.6	5.6
6/6/2005	24.66	5.38	38	54.333	35.95	55.84	38.400	8.38	27.0	3.3
6/6/2005	24.70	5.53	38	54.446	36.03	55.79	38.359	8.39	30.7	3.3
6/6/2005	24.71	5.59	38	54.437	36.03	55.74	38.329	8.38	33.2	3.8
6/6/2005	24.72	5.80	38	54.423	36.02	55.72	38.313	8.39	36.1	5.6
6/6/2005	24.74	5.83	39	54.408	36.01	55.70	38.298	8.39	36.0	3.3
6/6/2005	24.74	6.03	39	54.405	36.00	55.61	38.237	8.39	27.0	6.2
6/6/2005	24.73	5.79	39	54.366	35.97	55.59	38.226	8.38	25.8	5.3
6/6/2005	24.76	5.92	39	54.373	35.98	55.50	38.164	8.39	29.8	5.6
6/6/2005	24.76	5.90	39	54.391	35.99	55.47	38.141	8.39	19.4	6.1
6/6/2005	24.77	5.91	39	54.375	35.98	55.41	38.101	8.39	20.2	4.7
6/6/2005	24.77	5.89	39	54.352	35.96	55.34	38.053	8.38	19.6	4.5
6/6/2005	24.76	5.55	39	54.480	36.06	55.27	38.003	8.37	16.4	4.6
6/6/2005	24.76	5.54	38	54.441	36.03	55.17	37.936	8.37	15.2	7.5
6/6/2005	24.78	5.49	38	54.496	36.07	55.13	37.904	8.36	9.5	5.1
6/6/2005	24.77	5.31	38	54.465	36.05	55.07	37.864	8.35	2.8	6.1
6/6/2005	24.76	5.26	38	54.432	36.02	55.02	37.834	8.35	3.5	4.4
6/6/2005	24.76	5.25	38	54.415	36.01	54.97	37.802	8.35	2.8	7.2
6/6/2005	24.75	5.10	37	54.378	35.98	54.89	37.746	8.34	1.2	7.9
6/6/2005	24.75	5.13	37	54.407	36.00	54.87	37.729	8.35	0.4	8.5
6/6/2005	24.79	4.97	37	54.304	35.93	54.86	37.725	8.34	0.1	11.9
6/6/2005	24.79	4.89	37	54.295	35.92	54.88	37.742	8.33	0.1	6.5
6/6/2005	24.80	4.81	37	54.288	35.91	54.90	37.755	8.33	0.1	9.7
6/6/2005	24.80	4.72	37	54.280	35.91	54.89	37.749	8.32	0.1	8.7
6/6/2005	24.80	4.70	37	54.276	35.91	54.96	37.795	8.32	0.1	8.6
6/6/2005	24.80	4.63	37	54.269	35.90	55.00	37.823	8.31	0.1	7.5
6/6/2005	24.85	4.48	37	54.246	35.88	55.06	37.864	8.30	0.1	9.2

Appendix 5
Water Quality Data

West Flower Garden Bank										
May 9, 2005 - June 7, 2005										
Date	Temp C	DO Conc mg/L	DO Charge	SpCond mS/cm/sec	Salinity ppt	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/7/2005	24.83	4.41	37	54.264	35.90	55.12	37.905	8.30	0.1	6.4
6/7/2005	24.81	4.63	37	54.277	35.91	55.21	37.965	8.32	0.1	8.7
6/7/2005	24.72	4.77	37	54.353	35.96	55.30	38.025	8.34	0.1	6.1
6/7/2005	24.68	4.84	37	54.340	35.96	55.34	38.054	8.34	0.1	5.7
6/7/2005	24.69	4.76	37	54.322	35.94	55.45	38.126	8.34	0.1	8.6
6/7/2005	24.68	4.76	37	54.323	35.94	55.52	38.181	8.34	0.1	7.7
6/7/2005	24.69	4.68	37	54.331	35.95	55.56	38.206	8.34	0.0	6.1
6/7/2005	24.69	4.66	37	54.318	35.94	55.65	38.266	8.33	0.0	6.4
6/7/2005	24.69	4.65	37	54.318	35.94	55.76	38.344	8.34	0.1	9.1
6/7/2005	24.69	4.55	37	54.312	35.93	55.74	38.331	8.33	0.1	7.0
6/7/2005	24.73	4.39	37	54.292	35.92	55.82	38.382	8.31	0.0	6.7
6/7/2005	24.72	4.29	36	54.298	35.92	55.81	38.379	8.31	0.1	10.6
6/7/2005	24.72	4.28	36	54.303	35.93	55.83	38.395	8.31	0.0	6.5
6/7/2005	24.76	4.11	36	54.282	35.91	55.90	38.443	8.30	0.4	7.0
6/7/2005	24.74	4.19	36	54.290	35.92	55.97	38.487	8.30	1.3	6.8
6/7/2005	24.75	4.11	36	54.291	35.92	55.95	38.477	8.30	3.8	7.6
6/7/2005	24.78	4.03	36	54.289	35.92	55.93	38.463	8.29	3.5	7.5
6/7/2005	26.90	5.93	37	1.079	0.53	15.01	10.606	8.22	184.9	15.7
6/7/2005	27.42	6.21	37	0.290	0.14	14.96	10.571	6.74	527.6	1.4
6/7/2005	29.19	8.23	40	0.500	0.24	15.03	10.624	6.51	88.3	-3.3
6/7/2005	30.71	6.72	38	0.232	0.11	15.03	10.635	7.76	0.2	16.0
6/7/2005	27.41	5.90	36	0.173	0.08	15.05	10.633	8.15	0.1	20.8
6/7/2005	26.28	5.81	35	0.147	0.07	15.04	10.624	8.21	0.1	18.1

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/07/05 10:39:24.0	24.05
05/07/05 11:39:24.0	23.45
05/07/05 12:39:24.0	23.64
05/07/05 13:39:24.0	24.03
05/07/05 14:39:24.0	24.56
05/07/05 15:39:24.0	24.94
05/07/05 16:39:24.0	25.33
05/07/05 17:39:24.0	25.57
05/07/05 18:39:24.0	25.74
05/07/05 19:39:24.0	25.53
05/07/05 20:39:24.0	25.26
05/07/05 21:39:24.0	25.07
05/07/05 22:39:24.0	24.94
05/07/05 23:39:24.0	24.85
05/08/05 00:39:24.0	24.77
05/08/05 01:39:24.0	24.73
05/08/05 02:39:24.0	24.70
05/08/05 03:39:24.0	24.65
05/08/05 04:39:24.0	24.65
05/08/05 05:39:24.0	24.63
05/08/05 06:39:24.0	24.63
05/08/05 07:39:24.0	24.68
05/08/05 08:39:24.0	24.92
05/08/05 09:39:24.0	25.11
05/08/05 10:39:24.0	25.36
05/08/05 11:39:24.0	25.79
05/08/05 12:39:24.0	25.79
05/08/05 13:39:24.0	25.62
05/08/05 14:39:24.0	25.16
05/08/05 15:39:24.0	23.86
05/08/05 16:39:24.0	23.18
05/08/05 17:39:24.0	21.58
05/08/05 18:39:24.0	20.70
05/08/05 19:39:24.0	20.06
05/08/05 20:39:24.0	19.44
05/08/05 21:39:24.0	19.20
05/08/05 22:39:24.0	18.63
05/08/05 23:39:24.0	18.37
05/09/05 00:39:24.0	18.44
05/09/05 01:39:24.0	18.25
05/09/05 02:39:24.0	17.82
05/09/05 03:39:24.0	17.68
05/09/05 04:39:24.0	17.30
05/09/05 05:39:24.0	17.11
05/09/05 06:39:24.0	17.03
05/09/05 07:39:24.0	17.15
05/09/05 08:39:24.0	18.32
05/09/05 09:39:24.0	20.01
05/09/05 10:39:24.0	21.49
05/09/05 11:39:24.0	22.32
05/09/05 12:39:24.0	23.14
05/09/05 13:39:24.0	22.49
05/09/05 14:39:24.0	21.72
05/09/05 15:39:24.0	44.97
05/09/05 16:39:24.0	38.17
05/09/05 17:39:24.0	32.51

Series	Temperature (*C)	
Logger Info	Information specific to the logger	
Model	HOBO Water Temp Pro [H20-001]	
Serial Number	595390	
Memory Size (Bytes)	32768	
Deployment	12	
Series Info	Information about the data in the series	
Points Used	745	
First Point	05/07/05 10:39:24.0	
Last Point	06/07/05 10:39:24.0	
Duration	31 Days 00:00:00.0	
Stats	Calculated from the series	
Wrap Count	0	
Max Value	44.97	
Min Value	17.03	
Avg Value	23.81	
Launch Parameters		
Load Time	05/07/2005 15:39:23 GMT	05/07/2005 10:39:23 Local
Launch Time	05/07/2005 15:39:24 GMT	05/07/2005 10:39:24 Local
Logging Time	05/07/2005 15:39:24 GMT	05/07/2005 10:39:24 Local
Sampling Interval	3600	
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)	
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)	
End of Data	0x5EB_04	
Wrap Count	0	
Description String	WFGB-050905	
Time Zone	GMT-300 Minutes TZ set on Launch	

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/09/05 18:39:24.0	29.19
05/09/05 19:39:24.0	25.21
05/09/05 20:39:24.0	24.39
05/09/05 21:39:24.0	24.03
05/09/05 22:39:24.0	23.38
05/09/05 23:39:24.0	23.02
05/10/05 00:39:24.0	22.85
05/10/05 01:39:24.0	22.85
05/10/05 02:39:24.0	22.78
05/10/05 03:39:24.0	22.82
05/10/05 04:39:24.0	23.02
05/10/05 05:39:24.0	23.11
05/10/05 06:39:24.0	23.45
05/10/05 07:39:24.0	24.05
05/10/05 08:39:24.0	22.97
05/10/05 09:39:24.0	23.02
05/10/05 10:39:24.0	23.11
05/10/05 11:39:24.0	23.35
05/10/05 12:39:24.0	23.33
05/10/05 13:39:24.0	23.45
05/10/05 14:39:24.0	23.45
05/10/05 15:39:24.0	23.45
05/10/05 16:39:24.0	23.42
05/10/05 17:39:24.0	23.47
05/10/05 18:39:24.0	23.42
05/10/05 19:39:24.0	23.38
05/10/05 20:39:24.0	23.35
05/10/05 21:39:24.0	23.28
05/10/05 22:39:24.0	23.30
05/10/05 23:39:24.0	23.30
05/11/05 00:39:24.0	23.30
05/11/05 01:39:24.0	23.30
05/11/05 02:39:24.0	23.30
05/11/05 03:39:24.0	23.30
05/11/05 04:39:24.0	23.23
05/11/05 05:39:24.0	23.26
05/11/05 06:39:24.0	23.35
05/11/05 07:39:24.0	23.28
05/11/05 08:39:24.0	23.33
05/11/05 09:39:24.0	23.38
05/11/05 10:39:24.0	23.45
05/11/05 11:39:24.0	23.50
05/11/05 12:39:24.0	23.55
05/11/05 13:39:24.0	23.55
05/11/05 14:39:24.0	23.55
05/11/05 15:39:24.0	23.52
05/11/05 16:39:24.0	23.47
05/11/05 17:39:24.0	23.38
05/11/05 18:39:24.0	23.33
05/11/05 19:39:24.0	23.30
05/11/05 20:39:24.0	23.28
05/11/05 21:39:24.0	23.30
05/11/05 22:39:24.0	23.35
05/11/05 23:39:24.0	23.35
05/12/05 00:39:24.0	23.26
05/12/05 01:39:24.0	23.21

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/12/05 02:39:24.0	23.16
05/12/05 03:39:24.0	23.14
05/12/05 04:39:24.0	23.26
05/12/05 05:39:24.0	23.28
05/12/05 06:39:24.0	23.30
05/12/05 07:39:24.0	23.33
05/12/05 08:39:24.0	23.35
05/12/05 09:39:24.0	23.40
05/12/05 10:39:24.0	23.47
05/12/05 11:39:24.0	23.28
05/12/05 12:39:24.0	23.33
05/12/05 13:39:24.0	23.40
05/12/05 14:39:24.0	23.42
05/12/05 15:39:24.0	23.45
05/12/05 16:39:24.0	23.28
05/12/05 17:39:24.0	23.28
05/12/05 18:39:24.0	23.26
05/12/05 19:39:24.0	23.28
05/12/05 20:39:24.0	23.26
05/12/05 21:39:24.0	23.28
05/12/05 22:39:24.0	23.30
05/12/05 23:39:24.0	23.30
05/13/05 00:39:24.0	23.52
05/13/05 01:39:24.0	23.59
05/13/05 02:39:24.0	23.57
05/13/05 03:39:24.0	23.57
05/13/05 04:39:24.0	23.57
05/13/05 05:39:24.0	23.62
05/13/05 06:39:24.0	23.42
05/13/05 07:39:24.0	23.45
05/13/05 08:39:24.0	23.45
05/13/05 09:39:24.0	23.55
05/13/05 10:39:24.0	23.62
05/13/05 11:39:24.0	23.69
05/13/05 12:39:24.0	23.74
05/13/05 13:39:24.0	23.81
05/13/05 14:39:24.0	23.79
05/13/05 15:39:24.0	23.74
05/13/05 16:39:24.0	23.64
05/13/05 17:39:24.0	23.52
05/13/05 18:39:24.0	23.50
05/13/05 19:39:24.0	23.62
05/13/05 20:39:24.0	23.64
05/13/05 21:39:24.0	23.52
05/13/05 22:39:24.0	23.47
05/13/05 23:39:24.0	23.52
05/14/05 00:39:24.0	23.52
05/14/05 01:39:24.0	23.55
05/14/05 02:39:24.0	23.52
05/14/05 03:39:24.0	23.52
05/14/05 04:39:24.0	23.52
05/14/05 05:39:24.0	23.52
05/14/05 06:39:24.0	23.52
05/14/05 07:39:24.0	23.55
05/14/05 08:39:24.0	23.57
05/14/05 09:39:24.0	23.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/14/05 10:39:24.0	23.71
05/14/05 11:39:24.0	23.76
05/14/05 12:39:24.0	23.79
05/14/05 13:39:24.0	23.79
05/14/05 14:39:24.0	23.74
05/14/05 15:39:24.0	23.74
05/14/05 16:39:24.0	23.74
05/14/05 17:39:24.0	23.69
05/14/05 18:39:24.0	23.57
05/14/05 19:39:24.0	23.52
05/14/05 20:39:24.0	23.28
05/14/05 21:39:24.0	23.28
05/14/05 22:39:24.0	23.40
05/14/05 23:39:24.0	23.55
05/15/05 00:39:24.0	23.55
05/15/05 01:39:24.0	23.83
05/15/05 02:39:24.0	23.88
05/15/05 03:39:24.0	23.74
05/15/05 04:39:24.0	23.76
05/15/05 05:39:24.0	23.76
05/15/05 06:39:24.0	23.79
05/15/05 07:39:24.0	23.81
05/15/05 08:39:24.0	23.98
05/15/05 09:39:24.0	24.05
05/15/05 10:39:24.0	24.12
05/15/05 11:39:24.0	24.17
05/15/05 12:39:24.0	24.17
05/15/05 13:39:24.0	24.12
05/15/05 14:39:24.0	24.10
05/15/05 15:39:24.0	24.07
05/15/05 16:39:24.0	24.07
05/15/05 17:39:24.0	24.05
05/15/05 18:39:24.0	24.05
05/15/05 19:39:24.0	24.05
05/15/05 20:39:24.0	24.05
05/15/05 21:39:24.0	24.15
05/15/05 22:39:24.0	24.12
05/15/05 23:39:24.0	24.05
05/16/05 00:39:24.0	23.98
05/16/05 01:39:24.0	23.95
05/16/05 02:39:24.0	24.00
05/16/05 03:39:24.0	23.98
05/16/05 04:39:24.0	24.00
05/16/05 05:39:24.0	24.05
05/16/05 06:39:24.0	24.07
05/16/05 07:39:24.0	24.00
05/16/05 08:39:24.0	23.93
05/16/05 09:39:24.0	24.12
05/16/05 10:39:24.0	24.00
05/16/05 11:39:24.0	23.74
05/16/05 12:39:24.0	23.83
05/16/05 13:39:24.0	23.86
05/16/05 14:39:24.0	23.88
05/16/05 15:39:24.0	23.86
05/16/05 16:39:24.0	23.81
05/16/05 17:39:24.0	23.79

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/16/05 18:39:24.0	23.79
05/16/05 19:39:24.0	23.81
05/16/05 20:39:24.0	23.83
05/16/05 21:39:24.0	23.83
05/16/05 22:39:24.0	23.83
05/16/05 23:39:24.0	23.86
05/17/05 00:39:24.0	23.83
05/17/05 01:39:24.0	23.86
05/17/05 02:39:24.0	23.86
05/17/05 03:39:24.0	23.86
05/17/05 04:39:24.0	23.86
05/17/05 05:39:24.0	23.83
05/17/05 06:39:24.0	23.86
05/17/05 07:39:24.0	23.83
05/17/05 08:39:24.0	23.88
05/17/05 09:39:24.0	23.88
05/17/05 10:39:24.0	23.93
05/17/05 11:39:24.0	23.95
05/17/05 12:39:24.0	23.93
05/17/05 13:39:24.0	23.98
05/17/05 14:39:24.0	23.95
05/17/05 15:39:24.0	23.98
05/17/05 16:39:24.0	23.98
05/17/05 17:39:24.0	23.98
05/17/05 18:39:24.0	23.93
05/17/05 19:39:24.0	23.91
05/17/05 20:39:24.0	23.76
05/17/05 21:39:24.0	23.52
05/17/05 22:39:24.0	23.28
05/17/05 23:39:24.0	23.23
05/18/05 00:39:24.0	23.21
05/18/05 01:39:24.0	23.23
05/18/05 02:39:24.0	23.26
05/18/05 03:39:24.0	23.26
05/18/05 04:39:24.0	23.28
05/18/05 05:39:24.0	23.30
05/18/05 06:39:24.0	23.21
05/18/05 07:39:24.0	23.30
05/18/05 08:39:24.0	23.45
05/18/05 09:39:24.0	23.57
05/18/05 10:39:24.0	23.59
05/18/05 11:39:24.0	23.67
05/18/05 12:39:24.0	23.69
05/18/05 13:39:24.0	23.59
05/18/05 14:39:24.0	23.64
05/18/05 15:39:24.0	23.67
05/18/05 16:39:24.0	23.67
05/18/05 17:39:24.0	23.59
05/18/05 18:39:24.0	23.47
05/18/05 19:39:24.0	23.47
05/18/05 20:39:24.0	23.55
05/18/05 21:39:24.0	23.50
05/18/05 22:39:24.0	23.47
05/18/05 23:39:24.0	23.47
05/19/05 00:39:24.0	23.42
05/19/05 01:39:24.0	23.40

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/19/05 02:39:24.0	23.35
05/19/05 03:39:24.0	22.82
05/19/05 04:39:24.0	22.68
05/19/05 05:39:24.0	22.37
05/19/05 06:39:24.0	22.35
05/19/05 07:39:24.0	22.42
05/19/05 08:39:24.0	22.54
05/19/05 09:39:24.0	22.66
05/19/05 10:39:24.0	22.71
05/19/05 11:39:24.0	22.56
05/19/05 12:39:24.0	22.61
05/19/05 13:39:24.0	22.61
05/19/05 14:39:24.0	22.68
05/19/05 15:39:24.0	22.54
05/19/05 16:39:24.0	22.49
05/19/05 17:39:24.0	22.51
05/19/05 18:39:24.0	22.51
05/19/05 19:39:24.0	22.51
05/19/05 20:39:24.0	22.54
05/19/05 21:39:24.0	22.56
05/19/05 22:39:24.0	22.68
05/19/05 23:39:24.0	22.61
05/20/05 00:39:24.0	22.61
05/20/05 01:39:24.0	22.61
05/20/05 02:39:24.0	22.42
05/20/05 03:39:24.0	22.51
05/20/05 04:39:24.0	22.51
05/20/05 05:39:24.0	22.51
05/20/05 06:39:24.0	22.51
05/20/05 07:39:24.0	22.54
05/20/05 08:39:24.0	22.59
05/20/05 09:39:24.0	22.59
05/20/05 10:39:24.0	22.68
05/20/05 11:39:24.0	22.78
05/20/05 12:39:24.0	22.94
05/20/05 13:39:24.0	22.94
05/20/05 14:39:24.0	23.02
05/20/05 15:39:24.0	23.11
05/20/05 16:39:24.0	23.26
05/20/05 17:39:24.0	23.35
05/20/05 18:39:24.0	23.33
05/20/05 19:39:24.0	23.30
05/20/05 20:39:24.0	23.33
05/20/05 21:39:24.0	23.26
05/20/05 22:39:24.0	23.16
05/20/05 23:39:24.0	23.14
05/21/05 00:39:24.0	23.16
05/21/05 01:39:24.0	23.21
05/21/05 02:39:24.0	23.16
05/21/05 03:39:24.0	23.23
05/21/05 04:39:24.0	23.26
05/21/05 05:39:24.0	23.28
05/21/05 06:39:24.0	23.16
05/21/05 07:39:24.0	23.35
05/21/05 08:39:24.0	23.79
05/21/05 09:39:24.0	23.83

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/21/05 10:39:24.0	23.81
05/21/05 11:39:24.0	23.91
05/21/05 12:39:24.0	23.95
05/21/05 13:39:24.0	24.05
05/21/05 14:39:24.0	23.76
05/21/05 15:39:24.0	23.59
05/21/05 16:39:24.0	23.55
05/21/05 17:39:24.0	23.55
05/21/05 18:39:24.0	23.55
05/21/05 19:39:24.0	23.59
05/21/05 20:39:24.0	23.64
05/21/05 21:39:24.0	23.62
05/21/05 22:39:24.0	23.64
05/21/05 23:39:24.0	23.55
05/22/05 00:39:24.0	23.55
05/22/05 01:39:24.0	23.52
05/22/05 02:39:24.0	23.52
05/22/05 03:39:24.0	23.52
05/22/05 04:39:24.0	23.09
05/22/05 05:39:24.0	22.94
05/22/05 06:39:24.0	22.99
05/22/05 07:39:24.0	23.04
05/22/05 08:39:24.0	23.16
05/22/05 09:39:24.0	23.28
05/22/05 10:39:24.0	23.42
05/22/05 11:39:24.0	23.55
05/22/05 12:39:24.0	23.67
05/22/05 13:39:24.0	23.76
05/22/05 14:39:24.0	23.91
05/22/05 15:39:24.0	23.91
05/22/05 16:39:24.0	23.86
05/22/05 17:39:24.0	23.81
05/22/05 18:39:24.0	23.79
05/22/05 19:39:24.0	23.81
05/22/05 20:39:24.0	23.81
05/22/05 21:39:24.0	23.79
05/22/05 22:39:24.0	23.79
05/22/05 23:39:24.0	23.71
05/23/05 00:39:24.0	23.76
05/23/05 01:39:24.0	23.76
05/23/05 02:39:24.0	23.67
05/23/05 03:39:24.0	23.67
05/23/05 04:39:24.0	23.67
05/23/05 05:39:24.0	23.67
05/23/05 06:39:24.0	23.67
05/23/05 07:39:24.0	23.71
05/23/05 08:39:24.0	23.74
05/23/05 09:39:24.0	23.69
05/23/05 10:39:24.0	23.62
05/23/05 11:39:24.0	23.64
05/23/05 12:39:24.0	23.67
05/23/05 13:39:24.0	23.67
05/23/05 14:39:24.0	23.67
05/23/05 15:39:24.0	23.59
05/23/05 16:39:24.0	23.59
05/23/05 17:39:24.0	23.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/23/05 18:39:24.0	23.76
05/23/05 19:39:24.0	23.74
05/23/05 20:39:24.0	23.74
05/23/05 21:39:24.0	23.74
05/23/05 22:39:24.0	23.69
05/23/05 23:39:24.0	23.64
05/24/05 00:39:24.0	23.59
05/24/05 01:39:24.0	23.50
05/24/05 02:39:24.0	23.47
05/24/05 03:39:24.0	23.62
05/24/05 04:39:24.0	23.57
05/24/05 05:39:24.0	23.62
05/24/05 06:39:24.0	23.64
05/24/05 07:39:24.0	23.67
05/24/05 08:39:24.0	23.57
05/24/05 09:39:24.0	23.45
05/24/05 10:39:24.0	23.57
05/24/05 11:39:24.0	23.83
05/24/05 12:39:24.0	24.12
05/24/05 13:39:24.0	24.20
05/24/05 14:39:24.0	24.27
05/24/05 15:39:24.0	23.98
05/24/05 16:39:24.0	23.86
05/24/05 17:39:24.0	23.79
05/24/05 18:39:24.0	23.59
05/24/05 19:39:24.0	23.59
05/24/05 20:39:24.0	23.55
05/24/05 21:39:24.0	23.55
05/24/05 22:39:24.0	23.59
05/24/05 23:39:24.0	23.64
05/25/05 00:39:24.0	23.64
05/25/05 01:39:24.0	23.67
05/25/05 02:39:24.0	23.67
05/25/05 03:39:24.0	23.67
05/25/05 04:39:24.0	23.95
05/25/05 05:39:24.0	23.47
05/25/05 06:39:24.0	23.47
05/25/05 07:39:24.0	23.38
05/25/05 08:39:24.0	23.42
05/25/05 09:39:24.0	23.50
05/25/05 10:39:24.0	23.83
05/25/05 11:39:24.0	24.00
05/25/05 12:39:24.0	24.22
05/25/05 13:39:24.0	23.83
05/25/05 14:39:24.0	24.15
05/25/05 15:39:24.0	24.05
05/25/05 16:39:24.0	24.15
05/25/05 17:39:24.0	24.03
05/25/05 18:39:24.0	24.03
05/25/05 19:39:24.0	24.00
05/25/05 20:39:24.0	24.05
05/25/05 21:39:24.0	24.05
05/25/05 22:39:24.0	24.17
05/25/05 23:39:24.0	24.17
05/26/05 00:39:24.0	24.17
05/26/05 01:39:24.0	24.17

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/26/05 02:39:24.0	24.15
05/26/05 03:39:24.0	24.17
05/26/05 04:39:24.0	24.20
05/26/05 05:39:24.0	23.74
05/26/05 06:39:24.0	23.57
05/26/05 07:39:24.0	23.47
05/26/05 08:39:24.0	23.45
05/26/05 09:39:24.0	23.67
05/26/05 10:39:24.0	23.88
05/26/05 11:39:24.0	24.00
05/26/05 12:39:24.0	24.10
05/26/05 13:39:24.0	24.20
05/26/05 14:39:24.0	24.22
05/26/05 15:39:24.0	24.22
05/26/05 16:39:24.0	24.24
05/26/05 17:39:24.0	24.17
05/26/05 18:39:24.0	24.20
05/26/05 19:39:24.0	23.81
05/26/05 20:39:24.0	23.88
05/26/05 21:39:24.0	23.93
05/26/05 22:39:24.0	23.98
05/26/05 23:39:24.0	23.98
05/27/05 00:39:24.0	24.00
05/27/05 01:39:24.0	24.00
05/27/05 02:39:24.0	23.98
05/27/05 03:39:24.0	23.98
05/27/05 04:39:24.0	23.79
05/27/05 05:39:24.0	23.62
05/27/05 06:39:24.0	23.55
05/27/05 07:39:24.0	23.57
05/27/05 08:39:24.0	23.62
05/27/05 09:39:24.0	23.71
05/27/05 10:39:24.0	23.83
05/27/05 11:39:24.0	23.93
05/27/05 12:39:24.0	24.05
05/27/05 13:39:24.0	24.20
05/27/05 14:39:24.0	24.32
05/27/05 15:39:24.0	24.39
05/27/05 16:39:24.0	24.39
05/27/05 17:39:24.0	24.41
05/27/05 18:39:24.0	24.15
05/27/05 19:39:24.0	24.07
05/27/05 20:39:24.0	24.05
05/27/05 21:39:24.0	24.00
05/27/05 22:39:24.0	24.03
05/27/05 23:39:24.0	24.03
05/28/05 00:39:24.0	24.07
05/28/05 01:39:24.0	24.07
05/28/05 02:39:24.0	24.07
05/28/05 03:39:24.0	24.12
05/28/05 04:39:24.0	24.12
05/28/05 05:39:24.0	24.00
05/28/05 06:39:24.0	23.79
05/28/05 07:39:24.0	23.86
05/28/05 08:39:24.0	23.98
05/28/05 09:39:24.0	24.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/28/05 10:39:24.0	24.20
05/28/05 11:39:24.0	24.34
05/28/05 12:39:24.0	23.95
05/28/05 13:39:24.0	24.00
05/28/05 14:39:24.0	24.03
05/28/05 15:39:24.0	23.98
05/28/05 16:39:24.0	24.10
05/28/05 17:39:24.0	24.07
05/28/05 18:39:24.0	24.12
05/28/05 19:39:24.0	24.17
05/28/05 20:39:24.0	24.17
05/28/05 21:39:24.0	24.17
05/28/05 22:39:24.0	24.22
05/28/05 23:39:24.0	24.24
05/29/05 00:39:24.0	23.98
05/29/05 01:39:24.0	23.95
05/29/05 02:39:24.0	24.20
05/29/05 03:39:24.0	24.36
05/29/05 04:39:24.0	24.32
05/29/05 05:39:24.0	24.36
05/29/05 06:39:24.0	24.41
05/29/05 07:39:24.0	24.41
05/29/05 08:39:24.0	24.41
05/29/05 09:39:24.0	24.12
05/29/05 10:39:24.0	23.95
05/29/05 11:39:24.0	24.20
05/29/05 12:39:24.0	23.55
05/29/05 13:39:24.0	23.69
05/29/05 14:39:24.0	23.59
05/29/05 15:39:24.0	23.64
05/29/05 16:39:24.0	23.64
05/29/05 17:39:24.0	23.71
05/29/05 18:39:24.0	23.71
05/29/05 19:39:24.0	23.74
05/29/05 20:39:24.0	23.81
05/29/05 21:39:24.0	23.71
05/29/05 22:39:24.0	23.50
05/29/05 23:39:24.0	23.47
05/30/05 00:39:24.0	23.52
05/30/05 01:39:24.0	23.62
05/30/05 02:39:24.0	23.64
05/30/05 03:39:24.0	23.71
05/30/05 04:39:24.0	24.20
05/30/05 05:39:24.0	24.17
05/30/05 06:39:24.0	24.20
05/30/05 07:39:24.0	24.22
05/30/05 08:39:24.0	24.27
05/30/05 09:39:24.0	23.93
05/30/05 10:39:24.0	23.88
05/30/05 11:39:24.0	23.98
05/30/05 12:39:24.0	24.07
05/30/05 13:39:24.0	24.07
05/30/05 14:39:24.0	24.03
05/30/05 15:39:24.0	24.03
05/30/05 16:39:24.0	24.07
05/30/05 17:39:24.0	24.05

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
05/30/05 18:39:24.0	24.03
05/30/05 19:39:24.0	24.03
05/30/05 20:39:24.0	24.05
05/30/05 21:39:24.0	24.03
05/30/05 22:39:24.0	24.00
05/30/05 23:39:24.0	24.03
05/31/05 00:39:24.0	24.07
05/31/05 01:39:24.0	24.22
05/31/05 02:39:24.0	24.29
05/31/05 03:39:24.0	24.20
05/31/05 04:39:24.0	24.20
05/31/05 05:39:24.0	24.20
05/31/05 06:39:24.0	24.20
05/31/05 07:39:24.0	24.20
05/31/05 08:39:24.0	24.22
05/31/05 09:39:24.0	24.29
05/31/05 10:39:24.0	24.34
05/31/05 11:39:24.0	24.29
05/31/05 12:39:24.0	24.29
05/31/05 13:39:24.0	24.22
05/31/05 14:39:24.0	24.29
05/31/05 15:39:24.0	24.34
05/31/05 16:39:24.0	24.41
05/31/05 17:39:24.0	24.44
05/31/05 18:39:24.0	24.46
05/31/05 19:39:24.0	24.56
05/31/05 20:39:24.0	24.22
05/31/05 21:39:24.0	24.17
05/31/05 22:39:24.0	24.10
05/31/05 23:39:24.0	24.22
06/01/05 00:39:24.0	24.27
06/01/05 01:39:24.0	24.34
06/01/05 02:39:24.0	24.36
06/01/05 03:39:24.0	24.39
06/01/05 04:39:24.0	24.39
06/01/05 05:39:24.0	24.41
06/01/05 06:39:24.0	24.51
06/01/05 07:39:24.0	24.48
06/01/05 08:39:24.0	24.56
06/01/05 09:39:24.0	24.48
06/01/05 10:39:24.0	24.36
06/01/05 11:39:24.0	24.34
06/01/05 12:39:24.0	24.34
06/01/05 13:39:24.0	24.39
06/01/05 14:39:24.0	24.20
06/01/05 15:39:24.0	24.27
06/01/05 16:39:24.0	23.95
06/01/05 17:39:24.0	24.10
06/01/05 18:39:24.0	24.20
06/01/05 19:39:24.0	24.32
06/01/05 20:39:24.0	24.39
06/01/05 21:39:24.0	24.46
06/01/05 22:39:24.0	24.48
06/01/05 23:39:24.0	24.32
06/02/05 00:39:24.0	24.32
06/02/05 01:39:24.0	24.34

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
06/02/05 02:39:24.0	24.39
06/02/05 03:39:24.0	24.15
06/02/05 04:39:24.0	24.15
06/02/05 05:39:24.0	24.20
06/02/05 06:39:24.0	24.22
06/02/05 07:39:24.0	24.24
06/02/05 08:39:24.0	24.39
06/02/05 09:39:24.0	24.34
06/02/05 10:39:24.0	24.44
06/02/05 11:39:24.0	24.51
06/02/05 12:39:24.0	24.63
06/02/05 13:39:24.0	24.70
06/02/05 14:39:24.0	24.61
06/02/05 15:39:24.0	24.41
06/02/05 16:39:24.0	24.44
06/02/05 17:39:24.0	24.48
06/02/05 18:39:24.0	24.51
06/02/05 19:39:24.0	24.51
06/02/05 20:39:24.0	24.68
06/02/05 21:39:24.0	24.77
06/02/05 22:39:24.0	24.77
06/02/05 23:39:24.0	24.29
06/03/05 00:39:24.0	24.32
06/03/05 01:39:24.0	24.29
06/03/05 02:39:24.0	24.29
06/03/05 03:39:24.0	24.32
06/03/05 04:39:24.0	24.34
06/03/05 05:39:24.0	24.36
06/03/05 06:39:24.0	24.41
06/03/05 07:39:24.0	24.44
06/03/05 08:39:24.0	24.51
06/03/05 09:39:24.0	24.58
06/03/05 10:39:24.0	24.63
06/03/05 11:39:24.0	24.77
06/03/05 12:39:24.0	24.34
06/03/05 13:39:24.0	24.51
06/03/05 14:39:24.0	24.56
06/03/05 15:39:24.0	24.58
06/03/05 16:39:24.0	24.58
06/03/05 17:39:24.0	24.56
06/03/05 18:39:24.0	24.56
06/03/05 19:39:24.0	24.51
06/03/05 20:39:24.0	24.51
06/03/05 21:39:24.0	24.56
06/03/05 22:39:24.0	24.70
06/03/05 23:39:24.0	24.80
06/04/05 00:39:24.0	24.80
06/04/05 01:39:24.0	24.17
06/04/05 02:39:24.0	23.88
06/04/05 03:39:24.0	23.88
06/04/05 04:39:24.0	23.91
06/04/05 05:39:24.0	23.95
06/04/05 06:39:24.0	24.00
06/04/05 07:39:24.0	24.05
06/04/05 08:39:24.0	24.10
06/04/05 09:39:24.0	24.15

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
06/04/05 10:39:24.0	24.15
06/04/05 11:39:24.0	24.20
06/04/05 12:39:24.0	24.24
06/04/05 13:39:24.0	24.51
06/04/05 14:39:24.0	24.48
06/04/05 15:39:24.0	24.48
06/04/05 16:39:24.0	24.44
06/04/05 17:39:24.0	24.44
06/04/05 18:39:24.0	24.39
06/04/05 19:39:24.0	24.34
06/04/05 20:39:24.0	24.27
06/04/05 21:39:24.0	24.29
06/04/05 22:39:24.0	24.29
06/04/05 23:39:24.0	24.29
06/05/05 00:39:24.0	24.29
06/05/05 01:39:24.0	24.27
06/05/05 02:39:24.0	24.27
06/05/05 03:39:24.0	24.24
06/05/05 04:39:24.0	23.83
06/05/05 05:39:24.0	23.76
06/05/05 06:39:24.0	23.95
06/05/05 07:39:24.0	23.67
06/05/05 08:39:24.0	23.67
06/05/05 09:39:24.0	23.69
06/05/05 10:39:24.0	23.67
06/05/05 11:39:24.0	23.67
06/05/05 12:39:24.0	23.59
06/05/05 13:39:24.0	23.64
06/05/05 14:39:24.0	23.71
06/05/05 15:39:24.0	23.74
06/05/05 16:39:24.0	23.71
06/05/05 17:39:24.0	23.69
06/05/05 18:39:24.0	23.67
06/05/05 19:39:24.0	23.74
06/05/05 20:39:24.0	23.81
06/05/05 21:39:24.0	23.79
06/05/05 22:39:24.0	23.81
06/05/05 23:39:24.0	23.81
06/06/05 00:39:24.0	23.79
06/06/05 01:39:24.0	24.07
06/06/05 02:39:24.0	24.44
06/06/05 03:39:24.0	24.65
06/06/05 04:39:24.0	24.63
06/06/05 05:39:24.0	24.70
06/06/05 06:39:24.0	24.65
06/06/05 07:39:24.0	24.61
06/06/05 08:39:24.0	24.61
06/06/05 09:39:24.0	24.65
06/06/05 10:39:24.0	24.68
06/06/05 11:39:24.0	24.65
06/06/05 12:39:24.0	24.68
06/06/05 13:39:24.0	24.65
06/06/05 14:39:24.0	24.68
06/06/05 15:39:24.0	24.68
06/06/05 16:39:24.0	24.65
06/06/05 17:39:24.0	24.68

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data May 7, 2005 - June 7, 2005	
Date/Time	Temp (ºC)
06/06/05 18:39:24.0	24.65
06/06/05 19:39:24.0	24.63
06/06/05 20:39:24.0	24.68
06/06/05 21:39:24.0	24.68
06/06/05 22:39:24.0	24.70
06/06/05 23:39:24.0	24.75
06/07/05 00:39:24.0	24.68
06/07/05 01:39:24.0	24.56
06/07/05 02:39:24.0	24.58
06/07/05 03:39:24.0	24.58
06/07/05 04:39:24.0	24.61
06/07/05 05:39:24.0	24.61
06/07/05 06:39:24.0	24.63
06/07/05 07:39:24.0	24.65
06/07/05 08:39:24.0	27.11
06/07/05 09:39:24.0	34.10
06/07/05 10:39:24.0	26.18

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	28.41	47.950	31.15	4.41	101	14.90	0.137	7.71	235.7	0.9
6/6/2005	28.46	48.179	31.31	4.50	101	14.98	0.195	7.68	231.9	332.1
6/6/2005	28.03	47.744	31.01	5.03	100	15.06	0.250	7.69	159.5	0.9
6/6/2005	28.33	47.846	31.08	4.42	101	15.10	0.277	7.72	240.3	1.4
6/6/2005	28.03	47.959	31.17	4.65	100	15.29	0.408	7.69	59.4	0.9
6/6/2005	28.28	47.892	31.11	4.43	101	15.38	0.467	7.71	75.5	0.9
6/6/2005	28.03	47.920	31.14	4.65	100	15.41	0.492	7.68	44.4	2.8
6/6/2005	28.25	47.900	31.12	4.43	101	15.49	0.543	7.71	78.2	0.9
6/6/2005	28.03	47.729	31.00	5.03	100	15.50	0.554	7.69	83.5	0.6
6/6/2005	28.04	47.959	31.17	4.54	101	15.52	0.567	7.70	62.2	2.9
6/6/2005	28.04	47.934	31.15	4.60	101	15.52	0.567	7.69	57.0	0.8
6/6/2005	28.04	47.927	31.14	4.60	101	15.56	0.592	7.69	82.2	1.0
6/6/2005	28.20	47.912	31.13	4.44	101	15.57	0.598	7.72	74.5	1.0
6/6/2005	28.06	47.948	31.16	4.54	101	15.57	0.602	7.70	58.3	1.8
6/6/2005	28.03	47.854	31.09	4.73	100	15.58	0.608	7.67	40.6	0.6
6/6/2005	28.11	47.992	31.19	4.38	101	15.61	0.627	7.70	68.5	1.1
6/6/2005	28.07	48.007	31.20	4.53	101	15.66	0.665	7.70	57.7	1.0
6/6/2005	28.10	47.975	31.18	4.39	101	15.66	0.666	7.70	69.6	2.1
6/6/2005	28.13	47.964	31.17	4.38	101	15.73	0.714	7.71	60.2	0.9
6/6/2005	28.04	47.946	31.16	4.60	101	15.78	0.745	7.68	77.0	0.7
6/6/2005	28.03	47.939	31.15	4.68	100	15.78	0.745	7.68	69.1	0.9
6/6/2005	28.03	47.955	31.16	4.72	100	15.80	0.759	7.68	43.7	0.9
6/6/2005	28.03	47.963	31.17	4.65	100	15.82	0.776	7.68	56.9	0.9
6/6/2005	28.03	47.669	30.96	5.03	101	15.84	0.790	7.69	22.2	1.3
6/6/2005	28.03	47.950	31.16	4.65	100	15.85	0.791	7.68	40.4	1.2
6/6/2005	28.03	47.866	31.10	4.73	100	15.89	0.821	7.66	33.8	0.9
6/6/2005	28.17	47.929	31.14	4.44	101	15.89	0.823	7.72	62.1	0.8
6/6/2005	28.09	47.988	31.19	4.39	101	15.90	0.830	7.71	58.3	1.0
6/6/2005	28.07	48.007	31.20	4.39	101	15.90	0.832	7.71	53.6	1.0
6/6/2005	28.05	47.996	31.19	4.54	101	15.94	0.858	7.70	58.1	0.9
6/6/2005	28.06	47.988	31.19	4.54	101	15.97	0.875	7.69	53.6	0.9
6/6/2005	28.02	47.923	31.14	4.80	100	16.00	0.897	7.67	63.9	0.6
6/6/2005	28.03	47.945	31.16	4.65	100	16.00	0.899	7.67	52.1	0.9
6/6/2005	28.03	47.941	31.15	4.65	100	16.01	0.904	7.68	67.0	0.9
6/6/2005	28.03	47.943	31.15	4.68	100	16.03	0.918	7.68	66.6	0.9
6/6/2005	28.03	47.943	31.15	4.65	100	16.04	0.922	7.68	66.7	0.9
6/6/2005	28.15	47.942	31.15	4.38	101	16.05	0.931	7.71	65.9	0.8
6/6/2005	28.04	47.965	31.17	4.60	101	16.06	0.942	7.68	67.5	0.9
6/6/2005	28.02	47.927	31.14	4.77	100	16.07	0.949	7.67	71.9	0.4
6/6/2005	28.03	47.905	31.13	4.73	100	16.08	0.952	7.67	46.9	0.6
6/6/2005	28.03	47.897	31.12	4.80	100	16.14	0.997	7.67	75.3	0.6
6/6/2005	28.03	47.923	31.14	4.72	99	16.15	0.998	7.67	43.7	0.9
6/6/2005	28.03	47.960	31.17	4.68	100	16.15	1.003	7.68	58.3	0.9
6/6/2005	28.02	47.911	31.13	4.80	100	16.17	1.017	7.67	69.5	0.4
6/6/2005	28.03	47.936	31.15	4.72	99	16.19	1.032	7.67	40.0	0.9
6/6/2005	28.03	47.954	31.16	4.65	100	16.20	1.034	7.68	59.4	0.9
6/6/2005	28.03	47.935	31.15	4.72	99	16.20	1.038	7.67	36.0	0.9
6/6/2005	28.03	47.916	31.14	4.77	100	16.22	1.052	7.67	61.1	0.6
6/6/2005	28.03	47.948	31.16	4.68	100	16.22	1.053	7.67	54.4	0.9
6/6/2005	28.03	47.950	31.16	4.65	100	16.23	1.055	7.68	56.6	0.9
6/6/2005	28.03	47.992	31.19	4.65	101	16.25	1.068	7.69	72.7	0.9
6/6/2005	28.03	47.941	31.15	4.65	100	16.28	1.089	7.68	64.0	0.9
6/6/2005	28.03	47.916	31.14	4.72	99	16.29	1.097	7.68	42.3	0.9
6/6/2005	28.05	48.008	31.20	4.54	101	16.29	1.099	7.69	46.7	0.9
6/6/2005	28.03	47.951	31.16	4.65	100	16.32	1.119	7.69	46.8	0.9
6/6/2005	28.02	47.914	31.13	4.80	100	16.37	1.156	7.67	65.5	0.5
6/6/2005	28.03	47.925	31.14	4.73	100	16.39	1.165	7.67	39.2	0.6
6/6/2005	28.02	47.908	31.13	4.77	100	16.41	1.184	7.66	36.1	0.6
6/6/2005	28.03	47.913	31.13	4.73	100	16.42	1.189	7.67	37.2	0.9
6/6/2005	28.02	47.916	31.14	4.77	100	16.44	1.205	7.66	39.3	0.7

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	28.03	47.946	31.16	4.68	100	16.46	1.214	7.67	50.9	0.9
6/6/2005	28.03	47.898	31.12	4.77	100	16.46	1.219	7.67	38.6	0.6
6/6/2005	28.03	47.911	31.13	4.80	100	16.47	1.222	7.67	62.3	0.6
6/6/2005	28.02	47.922	31.14	4.80	100	16.48	1.232	7.66	58.6	0.6
6/6/2005	28.04	47.976	31.18	4.60	101	16.50	1.245	7.69	62.4	0.8
6/6/2005	28.03	47.983	31.18	4.60	101	16.52	1.256	7.69	66.2	0.9
6/6/2005	28.03	47.921	31.14	4.77	100	16.53	1.263	7.67	33.6	0.7
6/6/2005	28.03	47.942	31.15	4.68	100	16.53	1.267	7.68	56.4	0.9
6/6/2005	28.03	47.933	31.15	4.72	99	16.55	1.276	7.68	37.2	0.9
6/6/2005	28.02	47.924	31.14	4.80	100	16.58	1.296	7.66	59.0	0.5
6/6/2005	28.02	47.912	31.13	4.83	100	16.60	1.311	7.67	54.8	0.6
6/6/2005	28.03	47.912	31.13	4.80	100	16.61	1.317	7.67	61.9	0.6
6/6/2005	28.02	47.911	31.13	4.80	100	16.65	1.344	7.66	62.2	0.6
6/6/2005	28.02	47.914	31.13	4.80	100	16.66	1.355	7.66	54.9	0.6
6/6/2005	28.02	47.919	31.14	4.80	100	16.66	1.357	7.67	55.3	0.6
6/6/2005	28.03	47.910	31.13	4.80	100	16.73	1.402	7.67	59.9	0.6
6/6/2005	28.03	47.926	31.14	4.73	99	16.77	1.431	7.67	33.1	0.9
6/6/2005	28.03	47.799	31.05	5.06	101	16.91	1.530	7.70	10.6	0.6
6/6/2005	28.03	47.903	31.13	4.83	100	17.05	1.622	7.66	44.8	0.7
6/6/2005	28.02	47.919	31.14	4.83	100	17.38	1.849	7.66	44.1	0.6
6/6/2005	28.02	47.913	31.13	4.83	100	17.42	1.880	7.67	45.3	0.6
6/6/2005	28.02	47.905	31.13	4.90	100	17.44	1.893	7.66	48.8	0.7
6/6/2005	28.03	47.903	31.13	4.83	100	17.46	1.904	7.67	44.9	0.5
6/6/2005	28.02	47.911	31.13	4.90	100	17.46	1.908	7.66	43.7	0.7
6/6/2005	28.02	47.910	31.13	4.90	100	17.51	1.938	7.67	47.7	0.7
6/6/2005	28.03	47.907	31.13	4.90	100	17.54	1.962	7.66	44.1	0.6
6/6/2005	28.02	47.922	31.14	4.83	100	17.57	1.986	7.66	45.5	0.6
6/6/2005	28.03	47.898	31.12	4.90	100	17.76	2.111	7.67	46.9	0.6
6/6/2005	28.03	47.783	31.04	5.06	101	17.99	2.274	7.69	16.1	0.7
6/6/2005	28.03	47.894	31.12	4.96	100	18.03	2.301	7.67	39.5	0.5
6/6/2005	28.02	47.912	31.13	4.96	100	18.04	2.310	7.66	47.5	0.7
6/6/2005	28.02	47.906	31.13	4.90	100	18.07	2.326	7.67	48.9	0.6
6/6/2005	28.02	47.909	31.13	4.96	100	18.20	2.421	7.66	39.3	0.6
6/6/2005	28.02	47.909	31.13	4.96	100	18.26	2.461	7.65	46.1	0.6
6/6/2005	28.03	47.883	31.11	5.03	100	18.28	2.470	7.66	42.3	0.5
6/6/2005	28.02	47.906	31.13	5.03	100	18.34	2.514	7.66	41.9	0.6
6/6/2005	28.03	47.793	31.05	5.06	101	18.34	2.514	7.69	16.3	0.6
6/6/2005	28.02	47.907	31.13	4.96	100	18.35	2.518	7.66	49.1	0.7
6/6/2005	28.03	47.881	31.11	4.96	100	18.41	2.562	7.66	49.7	0.6
6/6/2005	28.02	47.898	31.12	5.03	100	18.47	2.605	7.65	41.2	1.0
6/6/2005	28.02	47.899	31.12	5.08	100	18.67	2.740	7.66	38.1	0.5
6/6/2005	28.03	47.885	31.11	5.03	100	18.69	2.757	7.66	40.7	0.6
6/6/2005	28.02	47.898	31.12	5.03	100	18.70	2.764	7.66	41.4	0.6
6/6/2005	28.02	47.900	31.12	5.03	100	18.73	2.785	7.66	38.5	0.6
6/6/2005	28.03	47.885	31.11	5.08	100	18.90	2.899	7.66	36.1	0.6
6/6/2005	28.02	47.898	31.12	5.08	100	18.96	2.943	7.66	35.9	0.6
6/6/2005	28.02	47.910	31.13	5.08	100	19.02	2.985	7.65	34.4	0.6
6/6/2005	28.03	47.880	31.11	5.08	100	19.09	3.031	7.66	34.4	0.6
6/6/2005	28.03	47.786	31.04	5.06	101	19.13	3.059	7.69	14.4	0.8
6/6/2005	28.03	47.807	31.06	5.29	100	19.23	3.128	7.68	14.6	0.8
6/6/2005	28.03	47.883	31.11	5.14	100	19.26	3.147	7.66	33.8	0.6
6/6/2005	28.03	47.785	31.04	5.12	101	19.27	3.157	7.69	20.9	0.7
6/6/2005	28.02	47.890	31.12	5.14	100	19.29	3.172	7.65	37.6	0.6
6/6/2005	28.02	47.889	31.12	5.08	100	19.30	3.177	7.66	31.0	0.5
6/6/2005	28.02	47.895	31.12	5.14	100	19.42	3.263	7.66	31.4	0.7
6/6/2005	28.03	47.775	31.03	5.10	100	19.51	3.322	7.69	20.6	0.8
6/6/2005	28.03	47.769	31.03	5.23	100	19.51	3.323	7.69	20.2	0.6
6/6/2005	28.02	47.790	31.04	5.29	100	19.58	3.373	7.67	18.9	0.7
6/6/2005	28.03	47.800	31.05	5.23	100	19.59	3.379	7.68	21.9	0.7
6/6/2005	28.02	47.893	31.12	5.14	100	19.61	3.394	7.66	38.6	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	28.03	47.774	31.03	5.16	100	19.66	3.427	7.68	13.6	0.6
6/6/2005	28.03	47.766	31.03	5.12	100	19.71	3.464	7.69	16.6	0.7
6/6/2005	28.03	47.826	31.07	5.22	100	19.75	3.490	7.66	43.1	0.6
6/6/2005	28.03	47.773	31.03	5.10	101	19.77	3.504	7.69	17.4	0.6
6/6/2005	28.02	47.859	31.09	5.22	100	19.88	3.576	7.65	39.7	0.7
6/6/2005	28.03	47.783	31.04	5.29	100	19.89	3.582	7.68	15.0	0.7
6/6/2005	28.03	47.780	31.04	5.10	101	19.95	3.624	7.69	20.7	0.7
6/6/2005	28.03	47.778	31.04	5.16	101	19.97	3.643	7.69	16.4	0.7
6/6/2005	28.03	47.765	31.03	5.16	101	20.07	3.709	7.68	16.9	0.6
6/6/2005	28.03	47.805	31.05	5.29	101	20.14	3.759	7.68	19.4	0.6
6/6/2005	28.02	47.873	31.10	5.22	100	20.14	3.760	7.66	40.9	0.6
6/6/2005	28.02	47.874	31.10	5.22	100	20.15	3.762	7.66	36.0	0.7
6/6/2005	28.03	47.781	31.04	5.23	100	20.17	3.780	7.68	17.8	0.7
6/6/2005	28.03	47.780	31.04	5.23	100	20.17	3.781	7.68	15.3	0.6
6/6/2005	28.03	47.792	31.05	5.12	100	20.18	3.785	7.69	16.6	0.6
6/6/2005	28.03	47.778	31.04	5.10	101	20.19	3.795	7.68	17.6	0.7
6/6/2005	28.03	47.878	31.11	5.14	100	20.33	3.889	7.66	35.4	0.6
6/6/2005	28.02	47.891	31.12	5.14	100	20.36	3.908	7.66	39.0	0.6
6/6/2005	28.03	47.778	31.04	5.12	100	20.45	3.972	7.68	13.2	0.6
6/6/2005	28.03	47.777	31.03	5.16	101	20.53	4.028	7.68	13.3	0.6
6/6/2005	28.03	47.869	31.10	5.29	100	20.54	4.035	7.66	28.3	0.6
6/6/2005	28.02	47.884	31.11	5.29	100	20.58	4.059	7.65	32.6	0.7
6/6/2005	28.02	47.882	31.11	5.29	100	20.60	4.079	7.66	26.3	0.6
6/6/2005	28.03	47.869	31.10	5.22	100	20.62	4.087	7.66	28.6	0.6
6/6/2005	28.02	47.885	31.11	5.22	100	20.66	4.115	7.66	26.8	0.9
6/6/2005	28.02	47.877	31.11	5.29	100	20.67	4.121	7.66	37.4	0.6
6/6/2005	28.03	47.860	31.09	5.29	100	20.84	4.242	7.66	39.5	0.6
6/6/2005	28.02	47.870	31.10	5.35	100	20.87	4.264	7.65	24.9	0.6
6/6/2005	28.02	47.872	31.10	5.29	100	21.00	4.349	7.66	32.0	0.7
6/6/2005	28.03	47.849	31.09	5.35	100	21.02	4.364	7.66	29.0	0.6
6/6/2005	28.02	47.878	31.11	5.35	100	21.13	4.443	7.65	24.8	0.6
6/6/2005	28.02	47.871	31.10	5.35	100	21.25	4.525	7.66	26.4	0.7
6/6/2005	28.03	47.819	31.06	5.33	101	21.29	4.554	7.68	20.4	0.7
6/6/2005	28.02	47.866	31.10	5.35	100	21.36	4.600	7.66	28.7	0.6
6/6/2005	28.03	47.870	31.10	5.35	100	21.40	4.625	7.66	24.9	1.2
6/6/2005	28.02	47.871	31.10	5.40	100	21.65	4.803	7.66	27.1	0.6
6/6/2005	28.03	47.823	31.07	5.40	100	21.72	4.848	7.66	28.6	0.6
6/6/2005	28.02	47.858	31.09	5.40	100	21.77	4.882	7.65	23.0	0.7
6/6/2005	28.02	47.860	31.09	5.40	100	21.82	4.922	7.65	21.8	0.7
6/6/2005	28.03	47.851	31.09	5.40	100	21.83	4.927	7.66	30.6	0.8
6/6/2005	28.03	47.861	31.10	5.40	100	21.86	4.945	7.66	22.2	0.8
6/6/2005	28.02	47.856	31.09	5.46	100	22.02	5.056	7.66	29.8	0.7
6/6/2005	28.03	47.861	31.10	5.46	100	22.07	5.094	7.65	28.1	0.9
6/6/2005	28.02	47.804	31.05	5.33	101	22.11	5.119	7.67	17.6	0.6
6/6/2005	28.02	47.866	31.10	5.46	100	22.16	5.154	7.65	25.7	0.6
6/6/2005	28.03	47.857	31.09	5.46	100	22.20	5.179	7.66	25.8	0.6
6/6/2005	28.02	47.857	31.09	5.50	101	22.22	5.196	7.65	27.0	0.7
6/6/2005	28.02	47.860	31.09	5.50	101	22.23	5.202	7.65	26.9	0.6
6/6/2005	28.03	47.850	31.09	5.46	100	22.23	5.204	7.66	33.0	0.6
6/6/2005	28.03	47.853	31.09	5.50	101	22.31	5.260	7.66	26.5	0.6
6/6/2005	28.03	47.847	31.08	5.50	101	22.35	5.284	7.66	27.4	0.5
6/6/2005	28.03	47.859	31.09	5.46	100	22.39	5.313	7.66	31.4	0.7
6/6/2005	28.03	47.852	31.09	5.50	100	22.46	5.359	7.66	29.2	0.6
6/6/2005	28.02	47.856	31.09	5.50	101	22.55	5.426	7.66	26.6	0.6
6/6/2005	28.03	47.802	31.05	5.33	101	22.62	5.471	7.67	21.0	0.7
6/6/2005	28.03	47.843	31.08	5.52	100	22.84	5.621	7.66	25.1	0.7
6/6/2005	28.02	47.861	31.10	5.52	101	22.86	5.635	7.66	25.9	0.7
6/6/2005	28.02	47.860	31.09	5.52	100	22.87	5.643	7.65	23.1	0.7
6/6/2005	28.02	47.852	31.09	5.52	100	22.96	5.709	7.66	26.2	0.7
6/6/2005	28.02	47.849	31.09	5.57	100	23.02	5.746	7.65	25.5	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	28.02	47.861	31.10	5.52	100	23.04	5.760	7.65	23.4	0.6
6/6/2005	28.02	47.809	31.06	5.33	101	23.06	5.773	7.67	23.0	0.7
6/6/2005	28.02	47.852	31.09	5.57	100	23.10	5.805	7.65	25.4	0.6
6/6/2005	28.02	47.852	31.09	5.57	100	23.14	5.833	7.66	25.5	0.6
6/6/2005	28.03	47.850	31.09	5.52	100	23.17	5.849	7.66	24.2	0.6
6/6/2005	28.02	47.848	31.09	5.57	100	23.25	5.909	7.66	24.9	0.7
6/6/2005	28.03	47.841	31.08	5.57	100	23.49	6.072	7.66	24.2	0.7
6/6/2005	28.02	47.834	31.08	5.60	100	23.53	6.101	7.66	25.8	0.6
6/6/2005	28.02	47.847	31.09	5.60	100	23.70	6.220	7.66	24.9	0.8
6/6/2005	28.02	47.858	31.09	5.60	100	23.72	6.232	7.65	24.2	0.6
6/6/2005	28.02	47.849	31.09	5.57	100	23.88	6.339	7.66	23.6	0.5
6/6/2005	28.02	47.854	31.09	5.60	100	23.91	6.362	7.65	23.2	0.6
6/6/2005	27.94	47.873	31.11	5.66	100	23.96	6.394	7.64	22.2	0.7
6/6/2005	28.02	47.814	31.06	5.38	101	23.96	6.397	7.67	22.4	0.7
6/6/2005	28.02	47.850	31.09	5.65	100	24.02	6.440	7.66	25.5	0.6
6/6/2005	28.03	47.841	31.08	5.60	100	24.06	6.468	7.66	22.2	0.6
6/6/2005	28.02	47.851	31.09	5.60	100	24.12	6.507	7.66	22.1	0.5
6/6/2005	28.02	47.848	31.09	5.69	100	24.12	6.508	7.65	26.4	0.7
6/6/2005	28.01	47.850	31.09	5.71	101	24.20	6.566	7.65	25.3	0.6
6/6/2005	28.02	47.854	31.09	5.69	100	24.21	6.572	7.65	25.9	0.6
6/6/2005	27.81	47.983	31.19	5.74	100	24.26	6.601	7.64	19.8	0.7
6/6/2005	28.00	47.798	31.05	5.49	101	24.34	6.661	7.66	23.2	0.6
6/6/2005	28.02	47.853	31.09	5.71	101	24.38	6.690	7.66	23.2	0.7
6/6/2005	28.02	47.848	31.09	5.69	100	24.43	6.723	7.66	24.2	0.6
6/6/2005	28.02	47.850	31.09	5.65	100	24.44	6.731	7.65	23.8	0.6
6/6/2005	28.01	47.837	31.08	5.71	101	24.46	6.742	7.65	25.5	0.6
6/6/2005	28.02	47.842	31.08	5.65	100	24.47	6.749	7.66	24.6	0.6
6/6/2005	28.02	47.853	31.09	5.65	100	24.49	6.764	7.65	24.4	0.6
6/6/2005	28.01	47.854	31.09	5.74	100	24.49	6.766	7.65	25.0	0.7
6/6/2005	28.00	47.828	31.07	5.49	101	24.50	6.769	7.66	20.3	0.7
6/6/2005	28.01	47.776	31.03	5.43	100	24.51	6.777	7.66	21.5	0.7
6/6/2005	27.96	47.841	31.08	5.65	100	24.53	6.792	7.66	20.0	0.7
6/6/2005	27.99	47.804	31.05	5.56	100	24.54	6.795	7.65	21.2	0.7
6/6/2005	28.02	47.840	31.08	5.65	100	24.54	6.801	7.66	22.2	0.6
6/6/2005	28.02	47.850	31.09	5.74	100	24.56	6.812	7.66	23.8	0.6
6/6/2005	28.01	47.851	31.09	5.74	100	24.61	6.843	7.66	25.4	0.7
6/6/2005	28.02	47.853	31.09	5.65	100	24.61	6.849	7.66	21.3	0.7
6/6/2005	28.02	47.850	31.09	5.69	100	24.63	6.856	7.66	22.0	0.7
6/6/2005	28.02	47.785	31.04	5.43	100	24.63	6.863	7.67	21.1	0.7
6/6/2005	28.01	47.852	31.09	5.77	100	24.64	6.869	7.65	25.4	0.7
6/6/2005	27.75	48.039	31.23	5.75	100	24.66	6.879	7.64	20.8	0.7
6/6/2005	28.01	47.862	31.10	5.77	100	24.74	6.935	7.65	24.2	0.7
6/6/2005	27.99	47.805	31.06	5.56	100	24.76	6.952	7.66	17.4	0.8
6/6/2005	27.92	47.902	31.13	5.66	100	24.77	6.954	7.65	20.3	0.7
6/6/2005	28.02	47.838	31.08	5.69	100	24.79	6.971	7.66	23.8	0.6
6/6/2005	27.98	47.835	31.08	5.56	100	24.81	6.987	7.65	20.9	0.7
6/6/2005	28.01	47.805	31.05	5.43	100	24.87	7.028	7.66	25.2	0.6
6/6/2005	28.02	47.781	31.04	5.38	100	24.92	7.057	7.67	21.7	0.6
6/6/2005	28.02	47.788	31.04	5.38	101	24.97	7.095	7.67	22.4	0.6
6/6/2005	27.99	47.799	31.05	5.49	100	25.02	7.127	7.66	21.1	0.7
6/6/2005	27.86	47.928	31.15	5.73	100	25.04	7.143	7.65	18.6	0.7
6/6/2005	28.00	47.808	31.06	5.49	101	25.06	7.156	7.67	20.1	0.6
6/6/2005	28.02	47.778	31.04	5.38	101	25.09	7.181	7.67	19.7	0.6
6/6/2005	28.00	47.856	31.09	5.84	100	25.12	7.195	7.66	24.5	0.7
6/6/2005	28.02	47.855	31.09	5.76	100	25.12	7.197	7.66	22.5	0.6
6/6/2005	27.97	47.836	31.08	5.56	100	25.17	7.235	7.66	16.6	0.6
6/6/2005	28.02	47.842	31.08	5.74	100	25.18	7.238	7.66	24.9	0.6
6/6/2005	28.00	47.869	31.10	5.84	100	25.19	7.247	7.65	23.9	0.7
6/6/2005	28.02	47.853	31.09	5.69	100	25.20	7.251	7.66	22.4	0.6
6/6/2005	28.01	47.859	31.09	5.74	101	25.20	7.254	7.66	21.6	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	28.02	47.842	31.08	5.77	100	25.21	7.259	7.66	24.7	0.5
6/6/2005	28.02	47.849	31.09	5.71	100	25.23	7.273	7.66	22.0	0.6
6/6/2005	28.00	47.841	31.08	5.79	100	25.31	7.330	7.66	23.4	0.6
6/6/2005	28.01	47.795	31.05	5.43	101	25.32	7.340	7.67	18.5	0.7
6/6/2005	28.00	47.842	31.08	5.81	100	25.34	7.352	7.66	24.0	0.7
6/6/2005	28.01	47.830	31.07	5.78	100	25.35	7.356	7.66	23.6	0.5
6/6/2005	28.02	47.842	31.08	5.71	101	25.44	7.418	7.66	22.7	0.6
6/6/2005	28.01	47.837	31.08	5.78	100	25.47	7.443	7.65	22.4	0.6
6/6/2005	28.01	47.852	31.09	5.77	100	25.48	7.449	7.66	24.5	0.7
6/6/2005	27.90	47.891	31.12	5.66	100	25.49	7.453	7.65	16.3	0.7
6/6/2005	28.01	47.851	31.09	5.71	101	25.50	7.463	7.66	21.5	0.7
6/6/2005	28.01	47.837	31.08	5.81	101	25.50	7.463	7.66	24.8	0.6
6/6/2005	28.01	47.851	31.09	5.74	100	25.51	7.471	7.66	23.2	0.7
6/6/2005	28.01	47.842	31.08	5.78	100	25.54	7.486	7.65	22.2	0.6
6/6/2005	28.00	47.851	31.09	5.81	101	25.57	7.510	7.65	24.1	0.7
6/6/2005	28.01	47.851	31.09	5.78	100	25.64	7.555	7.66	23.9	0.6
6/6/2005	28.02	47.834	31.08	5.78	100	25.64	7.556	7.66	22.5	0.7
6/6/2005	28.00	47.856	31.09	5.84	100	25.66	7.570	7.66	23.5	0.5
6/6/2005	28.00	47.849	31.09	5.81	101	25.68	7.583	7.65	22.7	0.7
6/6/2005	28.01	47.851	31.09	5.77	100	25.69	7.590	7.66	21.6	0.6
6/6/2005	28.01	47.840	31.08	5.83	100	25.84	7.699	7.66	23.9	0.6
6/6/2005	28.01	47.834	31.08	5.85	100	25.90	7.739	7.66	23.7	0.6
6/6/2005	28.00	47.845	31.08	5.85	100	25.93	7.758	7.66	23.1	0.7
6/6/2005	28.01	47.842	31.08	5.85	100	25.98	7.795	7.66	24.1	0.7
6/6/2005	28.00	47.842	31.08	5.85	100	26.00	7.807	7.65	22.8	0.5
6/6/2005	28.01	47.842	31.08	5.88	100	26.08	7.865	7.66	23.7	0.6
6/6/2005	28.01	47.835	31.08	5.85	100	26.11	7.882	7.66	22.4	0.6
6/6/2005	28.01	47.840	31.08	5.89	101	26.12	7.891	7.65	24.0	0.7
6/6/2005	28.01	47.828	31.07	5.89	101	26.12	7.892	7.66	24.1	0.6
6/6/2005	28.00	47.833	31.08	5.90	100	26.13	7.896	7.66	25.3	0.6
6/6/2005	27.99	47.848	31.09	5.94	100	26.13	7.897	7.66	24.7	0.7
6/6/2005	28.01	47.836	31.08	5.81	101	26.14	7.903	7.66	21.6	0.6
6/6/2005	28.01	47.837	31.08	5.89	101	26.16	7.917	7.66	23.8	0.6
6/6/2005	28.00	47.845	31.08	5.84	100	26.17	7.926	7.66	23.1	0.5
6/6/2005	28.00	47.845	31.08	5.90	100	26.17	7.926	7.66	24.0	0.7
6/6/2005	27.99	47.848	31.09	5.94	100	26.18	7.928	7.65	24.1	0.7
6/6/2005	28.01	47.841	31.08	5.89	101	26.19	7.934	7.66	24.4	0.7
6/6/2005	27.68	48.114	31.29	5.76	101	26.19	7.938	7.64	19.0	0.6
6/6/2005	28.01	47.840	31.08	5.88	101	26.23	7.967	7.66	23.8	0.7
6/6/2005	28.01	47.832	31.07	5.88	101	26.24	7.974	7.66	22.1	0.7
6/6/2005	28.00	47.844	31.08	5.85	100	26.30	8.011	7.66	22.7	0.6
6/6/2005	28.01	47.842	31.08	5.88	101	26.30	8.012	7.65	21.9	0.6
6/6/2005	28.01	47.826	31.07	5.88	101	26.31	8.017	7.66	23.5	0.7
6/6/2005	27.99	47.843	31.08	5.90	100	26.31	8.023	7.66	24.7	0.7
6/6/2005	28.01	47.840	31.08	5.88	101	26.33	8.037	7.66	22.2	0.7
6/6/2005	28.00	47.854	31.09	5.81	101	26.41	8.093	7.66	21.4	0.7
6/6/2005	28.00	47.843	31.08	5.90	100	26.43	8.100	7.65	23.3	0.7
6/6/2005	27.99	47.845	31.09	5.94	100	26.45	8.120	7.66	23.9	0.7
6/6/2005	28.00	47.847	31.09	5.84	101	26.46	8.123	7.66	21.8	0.6
6/6/2005	27.99	47.847	31.09	5.91	100	26.48	8.140	7.66	24.3	0.8
6/6/2005	28.01	47.829	31.07	5.89	101	26.56	8.194	7.66	22.9	0.7
6/6/2005	28.00	47.833	31.08	5.91	100	26.57	8.200	7.66	23.5	0.6
6/6/2005	27.99	47.831	31.07	5.95	100	26.60	8.218	7.66	22.2	0.5
6/6/2005	27.99	47.839	31.08	5.91	100	26.60	8.223	7.65	23.0	0.6
6/6/2005	27.98	47.848	31.09	5.96	100	26.62	8.236	7.66	23.9	0.8
6/6/2005	28.01	47.824	31.07	5.90	100	26.72	8.301	7.66	22.0	0.7
6/6/2005	27.99	47.836	31.08	5.96	100	26.75	8.325	7.66	23.8	0.7
6/6/2005	27.99	47.836	31.08	5.91	100	26.77	8.335	7.66	22.0	0.6
6/6/2005	27.99	47.838	31.08	5.94	100	26.77	8.339	7.66	22.4	0.7
6/6/2005	27.99	47.846	31.09	5.95	100	26.78	8.344	7.66	23.5	0.5

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	27.99	47.833	31.08	5.95	100	26.81	8.364	7.65	21.6	0.6
6/6/2005	28.00	47.839	31.08	5.89	101	26.81	8.365	7.66	22.5	0.6
6/6/2005	27.99	47.843	31.08	5.95	100	26.89	8.418	7.66	23.5	0.6
6/6/2005	27.94	47.870	31.10	5.96	100	26.95	8.461	7.66	23.0	0.8
6/6/2005	28.00	47.839	31.08	5.90	101	26.96	8.467	7.66	22.2	0.7
6/6/2005	27.33	48.400	31.51	5.68	101	26.97	8.474	7.63	17.2	0.9
6/6/2005	27.99	47.836	31.08	5.94	100	26.97	8.476	7.66	23.4	0.6
6/6/2005	27.99	47.841	31.08	5.94	100	26.99	8.490	7.66	23.0	0.6
6/6/2005	27.82	47.977	31.19	5.53	100	27.01	8.500	7.66	24.7	0.8
6/6/2005	27.95	47.866	31.10	5.99	100	27.02	8.508	7.66	23.8	0.7
6/6/2005	27.98	47.844	31.08	5.97	100	27.02	8.513	7.66	22.8	0.7
6/6/2005	27.97	47.837	31.08	5.97	100	27.03	8.516	7.66	22.9	0.6
6/6/2005	27.46	48.268	31.41	5.67	101	27.04	8.519	7.62	19.0	0.7
6/6/2005	27.98	47.845	31.08	5.96	100	27.04	8.525	7.65	22.5	0.6
6/6/2005	27.99	47.843	31.08	5.95	100	27.08	8.549	7.66	21.5	0.6
6/6/2005	27.99	47.836	31.08	5.91	100	27.09	8.561	7.66	21.1	0.7
6/6/2005	27.95	47.857	31.09	5.99	100	27.12	8.579	7.65	23.2	0.6
6/6/2005	27.98	47.843	31.08	5.96	100	27.13	8.583	7.66	22.5	0.7
6/6/2005	27.98	47.835	31.08	5.97	100	27.15	8.599	7.66	21.5	0.7
6/6/2005	27.99	47.829	31.07	5.95	100	27.15	8.603	7.66	22.3	0.7
6/6/2005	28.00	47.827	31.07	5.91	100	27.17	8.613	7.66	20.9	0.7
6/6/2005	27.95	47.872	31.11	5.95	100	27.19	8.629	7.65	22.0	0.8
6/6/2005	27.58	48.144	31.31	5.65	101	27.20	8.635	7.64	16.0	0.7
6/6/2005	27.97	47.845	31.09	5.97	100	27.24	8.664	7.66	21.1	0.7
6/6/2005	27.98	47.843	31.08	5.97	100	27.25	8.668	7.65	21.8	0.6
6/6/2005	27.98	47.847	31.09	5.96	100	27.27	8.683	7.66	21.6	0.6
6/6/2005	27.96	47.851	31.09	5.98	100	27.28	8.691	7.65	22.8	0.7
6/6/2005	27.99	47.831	31.07	5.96	100	27.29	8.701	7.66	22.1	0.6
6/6/2005	27.96	47.847	31.09	5.99	100	27.31	8.708	7.66	22.3	0.6
6/6/2005	27.95	47.854	31.09	5.96	100	27.33	8.723	7.66	23.1	0.5
6/6/2005	27.98	47.844	31.08	5.97	100	27.36	8.748	7.66	22.1	0.6
6/6/2005	27.91	47.886	31.12	5.66	100	27.43	8.794	7.66	23.4	0.8
6/6/2005	27.83	47.966	31.18	5.53	100	27.44	8.799	7.66	24.2	0.6
6/6/2005	27.97	47.842	31.08	5.97	100	27.46	8.815	7.66	20.7	0.7
6/6/2005	27.92	47.873	31.11	5.76	100	27.49	8.832	7.66	22.8	0.6
6/6/2005	27.93	47.869	31.10	5.86	101	27.52	8.859	7.65	21.4	0.8
6/6/2005	27.98	47.830	31.07	5.97	100	27.53	8.866	7.66	21.6	0.6
6/6/2005	27.83	47.952	31.17	5.53	100	27.57	8.890	7.65	22.4	0.7
6/6/2005	27.92	47.879	31.11	5.76	100	27.57	8.891	7.65	22.3	0.6
6/6/2005	27.93	47.854	31.09	5.87	101	27.57	8.892	7.66	21.8	0.7
6/6/2005	27.96	47.849	31.09	5.99	100	27.60	8.908	7.66	20.3	0.7
6/6/2005	27.96	47.860	31.10	5.98	100	27.60	8.910	7.66	22.5	0.6
6/6/2005	27.96	47.852	31.09	5.95	100	27.62	8.924	7.66	20.6	1.8
6/6/2005	27.92	47.883	31.11	5.66	100	27.64	8.936	7.65	21.9	0.8
6/6/2005	27.96	47.850	31.09	5.99	100	27.64	8.939	7.66	21.0	0.6
6/6/2005	27.92	47.878	31.11	5.76	100	27.72	8.994	7.66	21.4	0.6
6/6/2005	27.96	47.849	31.09	5.98	100	27.73	8.999	7.66	19.9	0.6
6/6/2005	27.92	47.870	31.11	5.76	101	27.75	9.016	7.66	21.7	0.4
6/6/2005	27.94	47.871	31.11	5.96	100	27.77	9.028	7.66	22.0	0.7
6/6/2005	27.80	47.964	31.18	5.40	100	27.80	9.049	7.66	20.6	0.7
6/6/2005	27.94	47.843	31.08	5.86	101	27.80	9.051	7.66	20.1	0.7
6/6/2005	27.92	47.868	31.10	5.66	100	27.84	9.074	7.66	22.6	0.6
6/6/2005	27.97	47.835	31.08	5.98	100	27.85	9.082	7.66	20.2	0.6
6/6/2005	27.78	47.978	31.19	5.40	100	27.90	9.117	7.66	21.5	0.7
6/6/2005	27.92	47.859	31.10	5.87	101	27.98	9.170	7.66	20.8	0.6
6/6/2005	27.80	47.960	31.17	5.40	100	28.00	9.185	7.65	20.0	0.6
6/6/2005	27.93	47.843	31.09	5.66	100	28.00	9.186	7.66	20.2	0.8
6/6/2005	27.78	47.973	31.18	5.40	100	28.01	9.192	7.66	21.3	0.6
6/6/2005	27.93	47.859	31.10	5.86	101	28.03	9.206	7.66	20.6	0.6
6/6/2005	27.93	47.861	31.10	5.76	100	28.05	9.220	7.66	20.3	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	27.96	47.858	31.10	5.99	100	28.10	9.260	7.66	19.5	0.7
6/6/2005	27.94	47.863	31.10	5.86	100	28.11	9.260	7.66	20.5	0.6
6/6/2005	27.85	47.954	31.17	5.39	100	28.13	9.278	7.66	22.0	0.7
6/6/2005	27.80	47.950	31.17	5.40	100	28.14	9.280	7.66	20.8	0.6
6/6/2005	27.86	47.917	31.14	5.53	100	28.22	9.339	7.65	20.3	0.7
6/6/2005	27.93	47.866	31.10	5.76	100	28.24	9.355	7.66	19.7	0.6
6/6/2005	27.26	48.433	31.53	5.69	100	28.27	9.367	7.62	19.5	0.7
6/6/2005	27.96	47.850	31.09	5.95	100	28.27	9.373	7.66	19.2	0.7
6/6/2005	27.91	47.876	31.11	5.66	100	28.30	9.393	7.66	20.9	0.6
6/6/2005	27.81	47.950	31.17	5.39	100	28.32	9.406	7.65	19.3	0.6
6/6/2005	27.93	47.864	31.10	5.66	100	28.38	9.451	7.66	19.4	0.6
6/6/2005	27.75	47.994	31.20	5.36	101	28.57	9.577	7.65	19.1	0.5
6/6/2005	27.73	48.019	31.22	5.36	101	28.63	9.624	7.65	19.2	0.6
6/6/2005	27.85	47.940	31.16	5.39	100	28.65	9.633	7.65	18.1	0.6
6/6/2005	27.91	47.870	31.10	5.52	100	28.67	9.651	7.66	19.2	0.6
6/6/2005	27.89	47.874	31.11	5.53	100	28.69	9.663	7.65	18.5	0.6
6/6/2005	27.81	47.952	31.17	5.35	100	28.74	9.694	7.65	18.9	0.8
6/6/2005	27.71	48.020	31.22	5.37	101	28.76	9.708	7.65	19.0	0.7
6/6/2005	27.61	48.117	31.29	5.29	100	28.81	9.747	7.65	19.2	0.6
6/6/2005	27.65	48.078	31.26	5.29	101	28.82	9.754	7.65	19.6	0.9
6/6/2005	27.83	47.917	31.14	5.39	100	28.83	9.760	7.66	18.5	0.6
6/6/2005	27.67	48.052	31.24	5.37	101	28.84	9.763	7.65	19.2	0.5
6/6/2005	27.82	47.929	31.15	5.39	100	28.84	9.766	7.65	18.6	0.7
6/6/2005	27.69	48.026	31.22	5.37	101	28.84	9.767	7.65	18.8	0.6
6/6/2005	27.59	48.149	31.32	5.30	100	28.86	9.776	7.64	19.2	0.7
6/6/2005	27.57	48.170	31.33	5.30	100	28.97	9.855	7.64	18.9	0.7
6/6/2005	27.87	47.899	31.13	5.39	100	28.98	9.862	7.65	17.3	0.6
6/6/2005	27.88	47.897	31.13	5.38	100	29.07	9.929	7.66	17.6	0.7
6/6/2005	27.54	48.211	31.36	5.30	100	29.27	10.060	7.65	18.3	0.6
6/6/2005	27.23	48.646	31.69	5.76	100	29.37	10.127	7.62	16.9	0.7
6/6/2005	27.52	48.254	31.40	5.30	100	29.39	10.145	7.65	18.5	0.6
6/6/2005	27.44	48.411	31.51	5.26	100	29.43	10.170	7.64	17.8	1.2
6/6/2005	27.43	48.429	31.53	5.27	100	29.45	10.185	7.64	17.7	0.6
6/6/2005	27.51	48.268	31.41	5.26	100	29.47	10.202	7.64	18.7	0.6
6/6/2005	27.45	48.400	31.50	5.26	100	29.48	10.208	7.64	18.0	0.6
6/6/2005	27.42	48.437	31.53	5.25	100	29.52	10.235	7.64	17.7	0.6
6/6/2005	27.47	48.362	31.48	5.26	100	29.54	10.246	7.63	18.0	0.7
6/6/2005	27.48	48.333	31.45	5.26	100	29.56	10.258	7.64	18.2	0.6
6/6/2005	27.21	48.722	31.75	5.76	100	29.62	10.299	7.61	17.1	0.7
6/6/2005	27.40	48.461	31.55	5.25	100	29.64	10.318	7.63	18.7	0.6
6/6/2005	27.40	48.457	31.55	5.25	100	29.70	10.356	7.63	18.4	0.7
6/6/2005	27.41	48.441	31.54	5.25	100	29.70	10.357	7.64	17.9	0.6
6/6/2005	27.27	48.707	31.73	5.39	101	29.71	10.364	7.63	19.8	0.7
6/6/2005	27.40	48.478	31.56	5.25	100	29.78	10.409	7.64	18.4	0.7
6/6/2005	27.19	48.852	31.84	5.76	100	29.80	10.421	7.61	16.9	0.7
6/6/2005	27.31	48.738	31.76	5.35	100	29.85	10.461	7.63	18.8	0.7
6/6/2005	27.27	48.821	31.82	5.39	101	29.88	10.480	7.62	19.0	0.7
6/6/2005	27.36	48.663	31.70	5.31	100	29.89	10.484	7.63	18.9	0.7
6/6/2005	27.14	48.856	31.85	5.81	101	29.92	10.503	7.60	16.7	0.6
6/6/2005	27.12	49.030	31.97	5.81	100	29.95	10.523	7.60	17.2	0.7
6/6/2005	27.37	48.656	31.69	5.30	100	29.96	10.533	7.63	18.5	0.6
6/6/2005	27.35	48.658	31.70	5.31	100	29.97	10.544	7.64	18.7	0.7
6/6/2005	27.39	48.499	31.58	5.26	100	29.98	10.552	7.64	17.8	0.8
6/6/2005	27.38	48.592	31.65	5.30	100	30.07	10.610	7.64	17.9	0.7
6/6/2005	27.32	48.766	31.78	5.35	100	30.11	10.638	7.63	18.0	0.6
6/6/2005	27.38	48.542	31.61	5.30	100	30.11	10.639	7.64	17.6	0.6
6/6/2005	27.34	48.672	31.71	5.31	100	30.17	10.680	7.64	18.1	0.7
6/6/2005	27.06	49.258	32.14	5.90	100	30.27	10.745	7.59	16.9	0.6
6/6/2005	27.24	48.948	31.91	5.43	100	30.35	10.801	7.62	19.2	0.7
6/6/2005	27.31	48.710	31.73	5.35	100	30.36	10.811	7.64	18.5	0.5

Appendix 5
Water Quality Data

West Flower Garden Bank Vertical Profile June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	27.33	48.721	31.74	5.35	100	30.37	10.818	7.63	17.5	0.6
6/6/2005	27.33	48.714	31.74	5.35	100	30.37	10.821	7.64	18.0	0.6
6/6/2005	27.29	49.032	31.97	5.38	101	30.38	10.821	7.63	17.8	0.7
6/6/2005	27.28	48.707	31.73	5.39	101	30.40	10.835	7.63	18.4	0.6
6/6/2005	27.26	49.104	32.02	5.42	100	30.49	10.898	7.62	18.3	0.6
6/6/2005	26.94	49.419	32.26	6.00	101	30.56	10.940	7.59	16.3	0.7
6/6/2005	27.21	49.096	32.02	5.47	101	30.56	10.947	7.62	18.3	0.6
6/6/2005	27.19	49.203	32.10	5.75	101	30.64	10.999	7.61	16.0	0.7
6/6/2005	27.12	49.245	32.13	5.58	100	30.65	11.008	7.61	18.8	0.6
6/6/2005	27.24	48.931	31.90	5.43	100	30.72	11.058	7.63	18.5	0.7
6/6/2005	27.12	49.187	32.09	5.58	100	30.76	11.086	7.62	18.8	0.7
6/6/2005	27.20	49.023	31.97	5.47	101	30.78	11.099	7.63	18.3	0.7
6/6/2005	27.22	49.255	32.14	5.47	101	30.81	11.117	7.62	17.7	0.6
6/6/2005	27.18	49.343	32.20	5.52	101	30.82	11.121	7.62	18.7	0.7
6/6/2005	27.17	49.289	32.16	5.53	101	30.84	11.138	7.62	18.8	0.7
6/6/2005	27.27	49.195	32.09	5.42	100	30.84	11.141	7.63	16.7	0.6
6/6/2005	27.18	48.943	31.91	5.81	101	30.85	11.148	7.60	15.8	0.8
6/6/2005	27.30	48.799	31.80	5.35	100	30.88	11.170	7.63	17.3	0.7
6/6/2005	27.28	48.822	31.82	5.39	101	30.89	11.176	7.63	17.2	0.6
6/6/2005	27.11	49.449	32.28	5.88	100	30.91	11.188	7.60	15.6	0.5
6/6/2005	27.13	49.487	32.31	5.57	100	30.95	11.213	7.62	17.8	0.6
6/6/2005	27.08	49.200	32.10	5.89	100	30.96	11.222	7.59	15.7	0.6
6/6/2005	26.99	49.293	32.17	6.00	100	30.98	11.236	7.59	16.2	0.6
6/6/2005	27.23	48.955	31.92	5.43	100	30.99	11.245	7.63	18.3	0.7
6/6/2005	27.23	49.202	32.10	5.47	101	31.08	11.306	7.62	17.2	0.6
6/6/2005	27.30	48.888	31.86	5.38	100	31.09	11.315	7.63	16.8	0.7
6/6/2005	26.69	50.181	32.83	6.03	100	31.12	11.323	7.58	17.6	0.7
6/6/2005	27.05	49.672	32.45	5.98	100	31.11	11.323	7.59	15.3	0.7
6/6/2005	27.28	48.904	31.88	5.42	101	31.17	11.365	7.63	16.4	0.8
6/6/2005	27.23	49.033	31.97	5.47	100	31.18	11.374	7.63	17.9	0.6
6/6/2005	27.20	49.503	32.32	5.52	101	31.20	11.384	7.62	17.5	0.7
6/6/2005	27.20	49.086	32.01	5.47	101	31.21	11.392	7.63	17.9	0.7
6/6/2005	26.77	49.749	32.51	6.03	101	31.25	11.414	7.58	15.8	0.7
6/6/2005	27.20	49.161	32.07	5.80	101	31.26	11.427	7.60	15.5	0.8
6/6/2005	26.90	49.894	32.61	6.01	101	31.30	11.448	7.58	15.0	0.8
6/6/2005	27.13	49.693	32.46	5.62	100	31.38	11.510	7.62	17.5	0.6
6/6/2005	27.11	49.694	32.46	5.62	100	31.43	11.539	7.61	18.0	0.7
6/6/2005	27.20	49.278	32.15	5.52	101	31.53	11.614	7.62	17.6	0.5
6/6/2005	27.13	49.311	32.18	5.57	100	31.56	11.631	7.62	17.2	0.6
6/6/2005	27.10	49.402	32.25	5.89	100	31.57	11.641	7.59	14.9	0.5
6/6/2005	27.11	49.686	32.45	5.63	100	31.73	11.746	7.61	17.7	0.7
6/6/2005	26.84	49.862	32.59	6.02	101	31.73	11.747	7.57	15.2	0.6
6/6/2005	27.03	49.518	32.33	5.98	100	31.74	11.756	7.58	15.1	0.6
6/6/2005	27.17	49.391	32.24	5.53	101	31.76	11.770	7.62	17.1	0.7
6/6/2005	27.06	50.010	32.69	5.67	100	31.79	11.790	7.61	17.5	0.6
6/6/2005	27.04	50.023	32.70	5.67	100	31.82	11.809	7.61	17.6	0.9
6/6/2005	27.13	49.410	32.25	5.57	100	31.81	11.810	7.62	16.6	0.6
6/6/2005	27.13	49.606	32.40	5.62	100	31.84	11.826	7.62	16.7	0.6
6/6/2005	27.15	49.627	32.41	5.56	101	31.93	11.886	7.62	16.5	0.6
6/6/2005	26.98	50.216	32.85	5.71	100	32.02	11.944	7.61	17.6	0.7
6/6/2005	27.16	49.585	32.38	5.52	101	32.03	11.955	7.62	16.5	0.6
6/6/2005	27.04	50.024	32.70	5.67	100	32.03	11.956	7.61	17.3	0.7
6/6/2005	27.07	50.161	32.80	5.66	100	32.10	12.000	7.61	17.0	0.6
6/6/2005	26.98	50.328	32.93	5.71	100	32.12	12.014	7.60	17.2	0.6
6/6/2005	26.63	50.855	33.33	5.98	100	32.25	12.097	7.57	16.1	0.5
6/6/2005	27.10	49.967	32.66	5.62	100	32.25	12.109	7.62	17.1	0.6
6/6/2005	27.09	50.038	32.71	5.62	100	32.26	12.110	7.62	16.7	0.7
6/6/2005	27.00	50.481	33.04	5.70	100	32.46	12.248	7.61	16.7	0.6
6/6/2005	27.03	50.145	32.79	5.67	100	32.64	12.375	7.61	16.9	0.6
6/6/2005	26.98	50.228	32.86	5.71	100	32.70	12.417	7.61	17.2	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank Vertical Profile June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	26.94	50.773	33.26	5.73	100	32.83	12.499	7.60	16.6	0.7
6/6/2005	26.93	50.761	33.25	5.73	100	32.84	12.508	7.60	16.8	0.8
6/6/2005	27.02	50.264	32.88	5.67	100	32.88	12.540	7.61	17.1	0.7
6/6/2005	27.01	50.351	32.95	5.70	100	32.96	12.590	7.61	17.1	2.6
6/6/2005	26.96	50.835	33.30	5.72	100	33.05	12.652	7.61	16.2	0.7
6/6/2005	26.97	50.423	33.00	5.71	100	33.17	12.736	7.61	16.9	0.6
6/6/2005	26.89	50.962	33.40	5.76	100	33.28	12.805	7.60	17.3	0.6
6/6/2005	26.92	50.782	33.26	5.73	100	33.33	12.848	7.61	17.0	0.6
6/6/2005	26.88	50.985	33.42	5.76	100	33.34	12.853	7.60	17.1	0.6
6/6/2005	26.57	51.221	33.60	5.98	100	33.40	12.887	7.56	14.5	0.6
6/6/2005	26.97	50.535	33.08	5.73	100	33.39	12.891	7.61	16.7	0.5
6/6/2005	26.84	51.138	33.53	5.81	100	33.47	12.940	7.60	17.5	0.7
6/6/2005	26.90	50.875	33.33	5.76	100	33.51	12.970	7.60	17.6	0.6
6/6/2005	26.83	51.148	33.54	5.82	100	33.52	12.974	7.59	17.0	0.6
6/6/2005	26.91	50.822	33.29	5.73	100	33.52	12.977	7.61	17.3	0.7
6/6/2005	26.87	50.991	33.42	5.77	100	33.55	12.994	7.60	16.8	0.6
6/6/2005	26.50	51.336	33.68	5.99	100	33.59	13.016	7.56	15.0	0.6
6/6/2005	26.42	51.557	33.85	6.00	100	33.65	13.056	7.56	17.2	0.7
6/6/2005	26.85	51.172	33.55	5.81	100	33.73	13.118	7.60	18.1	0.6
6/6/2005	26.83	51.141	33.53	5.82	100	33.75	13.129	7.60	16.6	0.5
6/6/2005	26.85	51.142	33.53	5.76	100	33.87	13.212	7.60	17.5	0.7
6/6/2005	26.86	51.087	33.49	5.76	100	33.88	13.219	7.60	17.0	0.6
6/6/2005	26.79	51.411	33.73	5.85	100	34.16	13.408	7.59	17.7	0.6
6/6/2005	26.79	51.359	33.69	5.85	100	34.16	13.409	7.60	17.5	0.7
6/6/2005	26.78	51.372	33.70	5.85	100	34.39	13.573	7.60	17.6	0.6
6/6/2005	26.80	51.422	33.74	5.85	100	34.41	13.583	7.59	17.4	1.4
6/6/2005	26.83	51.262	33.62	5.81	100	34.43	13.600	7.60	17.2	0.7
6/6/2005	26.78	51.393	33.72	5.88	100	34.63	13.734	7.60	18.1	0.6
6/6/2005	26.81	51.402	33.72	5.85	100	34.71	13.790	7.60	17.0	0.5
6/6/2005	26.82	51.327	33.67	5.81	100	34.73	13.804	7.60	17.6	0.7
6/6/2005	26.79	51.394	33.72	5.88	101	34.78	13.841	7.60	17.3	0.5
6/6/2005	26.78	51.414	33.73	5.88	101	34.78	13.841	7.59	17.2	0.6
6/6/2005	26.78	51.415	33.74	5.88	101	34.89	13.917	7.59	17.0	0.5
6/6/2005	26.82	51.350	33.69	5.85	100	34.90	13.922	7.60	17.8	0.6
6/6/2005	26.73	51.511	33.81	5.93	100	35.31	14.204	7.59	16.2	0.6
6/6/2005	26.78	51.436	33.75	5.88	101	35.33	14.217	7.60	16.4	0.6
6/6/2005	26.72	51.524	33.82	5.93	100	35.36	14.239	7.59	16.3	0.7
6/6/2005	26.74	51.511	33.81	5.93	100	35.37	14.246	7.59	16.8	0.6
6/6/2005	26.76	51.484	33.79	5.92	100	35.40	14.267	7.59	17.1	0.6
6/6/2005	26.74	51.503	33.80	5.93	100	35.41	14.275	7.58	17.1	0.7
6/6/2005	26.76	51.459	33.77	5.92	101	35.42	14.282	7.59	16.8	0.6
6/6/2005	26.72	51.529	33.82	5.94	100	35.42	14.282	7.59	16.6	0.6
6/6/2005	26.77	51.466	33.77	5.88	101	35.43	14.286	7.60	16.5	0.7
6/6/2005	26.72	51.523	33.82	5.94	100	35.51	14.338	7.59	17.0	0.7
6/6/2005	26.71	51.537	33.83	5.94	100	35.67	14.451	7.58	16.9	0.6
6/6/2005	26.71	51.548	33.83	5.94	100	35.92	14.627	7.59	16.5	0.7
6/6/2005	26.66	51.621	33.89	5.93	100	36.02	14.694	7.59	17.0	0.8
6/6/2005	26.66	51.621	33.89	6.00	100	36.05	14.715	7.59	16.6	0.5
6/6/2005	26.69	51.583	33.86	5.93	100	36.15	14.781	7.59	16.1	0.6
6/6/2005	26.67	51.621	33.89	5.93	100	36.18	14.801	7.59	16.8	0.6
6/6/2005	26.70	51.581	33.86	5.94	100	36.24	14.843	7.59	15.8	0.6
6/6/2005	26.71	51.568	33.85	5.94	100	36.27	14.863	7.59	15.8	0.6
6/6/2005	26.69	51.593	33.87	5.93	100	36.29	14.875	7.59	16.7	0.6
6/6/2005	26.68	51.608	33.88	5.93	100	36.45	14.991	7.58	16.8	0.6
6/6/2005	26.68	51.618	33.89	5.93	100	36.53	15.043	7.58	16.8	0.6
6/6/2005	26.53	51.813	34.04	5.95	101	36.55	15.052	7.58	16.8	0.6
6/6/2005	26.50	51.798	34.02	5.95	100	36.71	15.161	7.58	16.0	0.6
6/6/2005	26.66	51.620	33.89	6.00	101	36.72	15.172	7.59	15.4	0.6
6/6/2005	26.57	51.750	33.99	6.01	101	36.88	15.280	7.58	16.3	0.6
6/6/2005	26.12	52.181	34.32	5.89	100	37.04	15.384	7.56	16.5	1.2

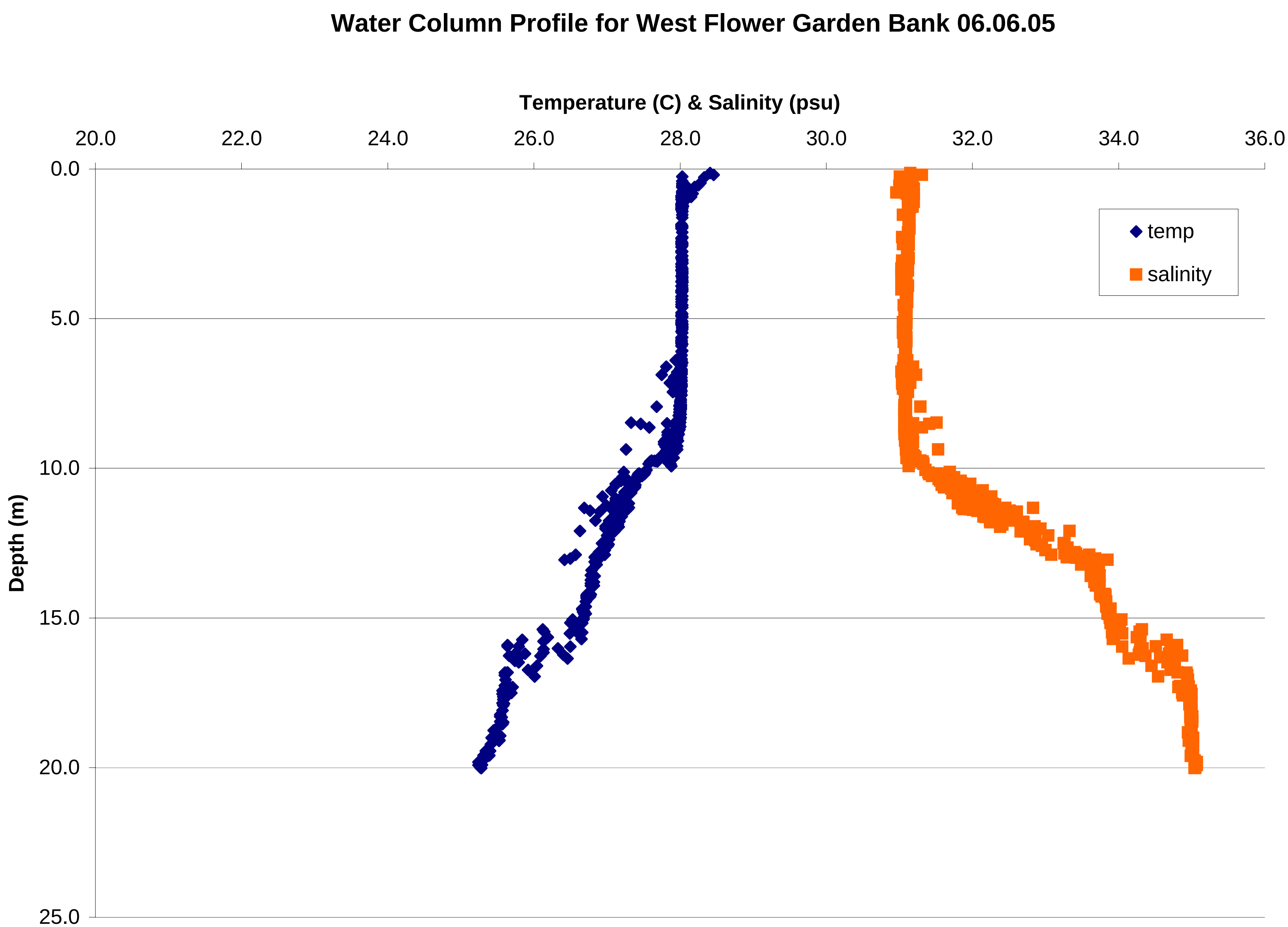
Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	26.14	52.140	34.29	5.89	100	37.15	15.461	7.55	16.4	0.6
6/6/2005	26.66	51.643	33.91	6.00	101	37.17	15.483	7.58	15.4	0.6
6/6/2005	26.49	51.836	34.05	5.95	100	37.23	15.520	7.57	15.6	0.7
6/6/2005	26.62	51.685	33.94	6.01	101	37.27	15.551	7.58	15.7	0.6
6/6/2005	26.19	52.088	34.25	5.88	100	37.41	15.643	7.56	16.2	0.7
6/6/2005	26.65	51.665	33.92	6.00	101	37.49	15.706	7.58	15.4	0.6
6/6/2005	25.84	52.627	34.66	5.60	101	37.54	15.729	7.54	18.0	0.7
6/6/2005	26.13	52.155	34.30	5.89	100	37.62	15.785	7.57	15.4	0.9
6/6/2005	25.64	52.822	34.80	5.71	101	37.81	15.907	7.53	16.6	0.6
6/6/2005	25.79	52.430	34.51	5.61	100	37.87	15.952	7.55	17.0	0.6
6/6/2005	25.64	52.700	34.71	5.66	101	37.87	15.952	7.53	16.7	0.6
6/6/2005	26.50	51.832	34.05	5.95	100	37.86	15.959	7.57	15.2	0.7
6/6/2005	26.33	52.200	34.33	5.85	100	37.95	16.017	7.56	15.5	0.7
6/6/2005	26.13	52.153	34.30	5.89	100	37.99	16.043	7.56	14.9	0.7
6/6/2005	26.13	52.137	34.29	5.59	100	38.15	16.151	7.56	14.6	0.6
6/6/2005	25.75	52.772	34.76	5.61	100	38.21	16.182	7.54	14.9	0.6
6/6/2005	25.88	52.676	34.69	5.62	101	38.22	16.195	7.54	16.9	0.6
6/6/2005	26.40	52.138	34.28	5.96	100	38.26	16.229	7.56	14.9	0.5
6/6/2005	25.77	52.743	34.74	5.61	100	38.30	16.247	7.54	14.9	0.6
6/6/2005	25.66	52.906	34.87	5.70	101	38.33	16.265	7.53	16.0	0.6
6/6/2005	26.09	52.246	34.37	5.59	101	38.32	16.271	7.55	14.5	0.7
6/6/2005	25.79	52.506	34.57	5.61	100	38.39	16.312	7.53	15.9	0.6
6/6/2005	26.46	51.955	34.14	5.95	100	38.44	16.357	7.57	14.8	0.6
6/6/2005	25.74	52.784	34.77	5.69	100	38.57	16.431	7.54	14.8	0.6
6/6/2005	25.79	52.645	34.67	5.61	100	38.64	16.485	7.53	15.1	0.6
6/6/2005	26.04	52.353	34.45	5.60	101	38.81	16.603	7.54	14.8	0.7
6/6/2005	25.92	52.703	34.71	5.61	101	39.01	16.739	7.54	15.7	0.7
6/6/2005	25.64	52.826	34.81	5.65	100	39.14	16.824	7.53	14.5	0.6
6/6/2005	25.61	52.988	34.93	5.75	100	39.15	16.829	7.52	14.7	0.6
6/6/2005	25.60	52.985	34.93	5.75	100	39.15	16.831	7.52	14.8	0.6
6/6/2005	25.60	52.998	34.94	5.75	100	39.27	16.911	7.52	14.7	0.6
6/6/2005	26.01	52.480	34.54	5.60	101	39.32	16.957	7.54	14.8	0.6
6/6/2005	25.61	53.023	34.95	5.74	100	39.50	17.068	7.53	14.4	0.6
6/6/2005	25.60	53.021	34.95	5.75	100	39.78	17.260	7.52	14.6	0.6
6/6/2005	25.64	52.875	34.84	5.65	100	39.80	17.278	7.52	14.0	0.6
6/6/2005	25.62	53.032	34.96	5.65	100	39.83	17.294	7.53	14.0	0.6
6/6/2005	25.71	52.844	34.82	5.70	101	39.85	17.313	7.53	13.9	0.6
6/6/2005	25.68	52.962	34.91	5.70	101	39.87	17.325	7.53	14.7	0.6
6/6/2005	25.57	53.068	34.99	5.89	100	40.03	17.432	7.52	14.7	0.5
6/6/2005	25.69	52.907	34.87	5.70	101	40.13	17.507	7.52	14.3	0.6
6/6/2005	25.59	53.035	34.96	5.75	100	40.13	17.507	7.52	14.3	0.6
6/6/2005	25.63	52.991	34.93	5.65	100	40.17	17.530	7.53	13.2	0.6
6/6/2005	25.57	53.078	35.00	5.81	100	40.18	17.540	7.52	14.7	0.7
6/6/2005	25.64	52.917	34.88	5.65	100	40.26	17.593	7.52	13.7	0.6
6/6/2005	25.58	53.056	34.98	5.89	100	40.31	17.631	7.52	13.6	0.7
6/6/2005	25.59	53.042	34.97	5.81	100	40.45	17.721	7.52	13.9	0.6
6/6/2005	25.58	53.057	34.98	5.81	100	40.45	17.723	7.52	14.3	0.7
6/6/2005	25.57	53.077	35.00	5.89	100	40.63	17.846	7.51	13.7	0.5
6/6/2005	25.59	53.045	34.97	5.81	100	40.65	17.865	7.52	13.4	0.6
6/6/2005	25.58	53.048	34.97	5.81	100	40.70	17.896	7.51	13.6	0.6
6/6/2005	25.58	53.057	34.98	5.81	100	40.74	17.921	7.51	13.9	0.6
6/6/2005	25.57	53.077	35.00	5.89	100	40.98	18.090	7.51	13.7	0.5
6/6/2005	25.54	53.088	35.00	5.94	100	41.19	18.232	7.51	13.1	0.7
6/6/2005	25.54	53.087	35.00	5.94	100	41.27	18.291	7.51	13.6	0.6
6/6/2005	25.54	53.097	35.01	5.94	100	41.28	18.293	7.51	13.0	0.7
6/6/2005	25.55	53.082	35.00	5.94	100	41.29	18.304	7.50	13.6	0.6
6/6/2005	25.56	53.060	34.98	5.94	100	41.32	18.322	7.51	13.5	0.5
6/6/2005	25.54	53.101	35.01	5.96	100	41.52	18.461	7.51	12.9	0.5
6/6/2005	25.58	53.063	34.99	5.89	100	41.56	18.487	7.52	13.4	0.6
6/6/2005	25.57	53.070	34.99	5.94	100	41.58	18.498	7.51	13.5	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank										
Vertical Profile										
June 6, 2005										
Date	Temp C	SpCond mS/cm/sec	Salinity ppt	DO Conc mg/L	DO Charge	Absolute Pressure psi	Depth m	pH	PAR1 µeinst/sec*m^2	Turbidity NTU
6/6/2005	25.57	53.076	35.00	5.89	100	41.65	18.547	7.52	13.5	0.7
6/6/2005	25.47	53.069	34.99	5.97	100	41.92	18.737	7.50	13.2	0.7
6/6/2005	25.45	53.081	35.00	5.97	100	41.96	18.762	7.50	13.3	0.7
6/6/2005	25.49	53.013	34.95	5.97	100	42.05	18.827	7.50	13.1	0.5
6/6/2005	25.54	53.077	35.00	5.96	100	42.21	18.933	7.51	12.7	0.7
6/6/2005	25.42	53.100	35.02	5.98	100	42.31	19.000	7.49	12.4	0.6
6/6/2005	25.44	53.091	35.01	5.97	100	42.33	19.015	7.50	12.2	0.5
6/6/2005	25.43	53.100	35.02	5.98	100	42.34	19.027	7.49	12.3	0.6
6/6/2005	25.53	53.062	34.99	5.96	100	42.43	19.085	7.50	12.6	0.7
6/6/2005	25.52	53.024	34.96	5.97	100	42.45	19.101	7.50	12.7	0.7
6/6/2005	25.41	53.102	35.02	5.98	100	42.63	19.227	7.50	12.5	0.5
6/6/2005	25.40	53.103	35.02	5.98	100	42.95	19.441	7.49	12.3	0.9
6/6/2005	25.34	53.086	35.01	5.96	101	42.95	19.442	7.47	12.3	0.6
6/6/2005	25.35	53.081	35.00	5.96	101	43.05	19.515	7.47	12.3	0.6
6/6/2005	25.31	53.104	35.02	5.97	101	43.17	19.595	7.48	12.0	0.6
6/6/2005	25.39	53.084	35.01	5.96	100	43.17	19.597	7.49	12.2	0.6
6/6/2005	25.37	53.062	34.99	5.96	101	43.20	19.612	7.48	11.9	0.6
6/6/2005	25.30	53.128	35.04	5.97	101	43.42	19.764	7.48	11.6	0.6
6/6/2005	25.24	53.166	35.07	5.92	100	43.50	19.817	7.47	12.2	0.7
6/6/2005	25.25	53.152	35.06	5.92	100	43.51	19.827	7.47	12.2	0.5
6/6/2005	25.29	53.132	35.04	5.91	101	43.63	19.911	7.48	11.2	0.7
6/6/2005	25.24	53.165	35.07	5.88	100	43.65	19.921	7.47	12.0	0.6
6/6/2005	25.26	53.143	35.05	5.91	100	43.70	19.956	7.47	11.7	0.6
6/6/2005	25.27	53.137	35.05	5.91	100	43.77	20.004	7.47	11.3	0.6
6/6/2005	25.28	53.130	35.04	5.91	100	43.79	20.019	7.48	10.9	0.6

Appendix 5
Water Quality Data



Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/7/2005	8:30:39	24.90	53.222	35.12	0.01	0	28.068	7.82	-68.8	56.9	0.3
6/7/2005	9:00:39	24.89	53.158	35.07	0.01	0	28.049	7.85	-70.6	69.2	0.8
6/7/2005	9:30:39	24.93	53.096	35.02	0.01	0	28.134	7.86	-71.0	87.1	0.4
6/7/2005	10:00:39	24.94	53.066	35.00	0.01	0	28.109	7.86	-71.4	108.4	0.4
6/7/2005	10:30:39	24.95	53.050	34.99	0.01	0	28.054	7.87	-71.7	140.7	0.4
6/7/2005	11:00:39	24.95	53.044	34.99	0.01	0	28.068	7.87	-71.8	167.7	0.4
6/7/2005	11:30:39	24.95	53.045	34.99	0.01	0	28.041	7.92	-74.6	189.5	0.3
6/7/2005	12:00:39	24.90	53.024	34.97	0.01	0	28.017	7.95	-76.0	187.2	0.3
6/7/2005	12:30:39	24.89	53.019	34.97	0.01	0	27.941	7.95	-76.4	216.0	0.4
6/7/2005	13:00:39	24.89	53.023	34.97	0.01	0	27.998	7.96	-76.5	223.6	0.6
6/7/2005	13:30:39	24.88	53.016	34.97	0.01	0	27.936	7.96	-76.5	214.2	0.3
6/7/2005	14:00:39	24.88	53.018	34.97	0.01	0	27.917	7.96	-76.7	208.6	0.4
6/7/2005	14:30:39	24.90	53.021	34.97	0.01	0	27.788	7.96	-77.0	201.4	0.4
6/7/2005	15:00:39	24.91	53.017	34.97	0.01	0	27.907	7.96	-77.0	214.4	0.4
6/7/2005	15:30:39	24.93	53.026	34.97	0.01	0	27.791	7.96	-76.8	199.8	0.3
6/7/2005	16:00:39	24.90	53.029	34.98	0.01	1	27.737	7.96	-76.8	168.5	0.3
6/7/2005	16:30:39	24.88	53.041	34.98	0.01	0	27.641	7.96	-76.9	145.1	0.4
6/7/2005	17:00:39	24.86	53.066	35.00	0.01	0	27.661	7.96	-77.0	128.6	0.4
6/7/2005	17:30:39	24.86	53.078	35.01	0.01	0	27.572	7.96	-76.8	77.3	0.3
6/7/2005	18:00:39	24.84	53.098	35.03	0.01	0	27.499	7.96	-77.0	58.6	0.6
6/7/2005	18:30:39	24.81	53.163	35.08	0.01	0	27.493	7.96	-76.8	51.8	0.3
6/7/2005	19:00:39	24.79	53.222	35.12	0.01	1	27.457	7.96	-77.0	20.2	0.3
6/7/2005	19:30:39	24.79	53.298	35.18	0.01	0	27.470	7.96	-76.8	11.4	0.4
6/7/2005	20:00:39	24.79	53.291	35.17	0.01	0	27.420	7.96	-76.8	4.4	0.4
6/7/2005	20:30:39	24.79	53.296	35.18	0.01	0	27.386	7.96	-76.5	1.3	0.4
6/7/2005	21:00:39	24.79	53.297	35.18	0.01	1	27.359	7.96	-76.5	1.1	0.3
6/7/2005	21:30:39	24.79	53.248	35.14	0.01	0	27.366	7.95	-76.3	1.1	0.3
6/7/2005	22:00:39	24.79	53.277	35.16	0.01	0	27.342	7.95	-76.3	1.2	0.4
6/7/2005	22:30:39	24.79	53.272	35.16	0.01	0	27.382	7.94	-75.9	1.2	0.4
6/7/2005	23:00:39	24.79	53.271	35.16	0.01	0	27.423	7.94	-75.8	1.2	0.4
6/7/2005	23:30:39	24.79	53.262	35.15	0.01	0	27.446	7.94	-75.7	1.2	0.3
6/8/2005	0:00:39	24.79	53.272	35.16	0.01	1	27.484	7.94	-75.7	1.2	0.4
6/8/2005	0:30:39	24.80	53.257	35.15	0.01	0	27.433	7.94	-75.4	1.2	0.3
6/8/2005	1:00:39	24.87	53.229	35.12	0.01	0	27.515	7.94	-75.5	1.3	0.3
6/8/2005	1:30:39	24.91	53.209	35.11	0.01	1	27.616	7.94	-75.4	1.2	0.3
6/8/2005	2:00:39	25.02	53.151	35.06	0.01	0	27.706	7.95	-76.0	1.2	0.4
6/8/2005	2:30:39	25.19	53.083	35.01	0.01	0	27.771	7.97	-77.5	1.1	0.4
6/8/2005	3:00:39	25.14	53.092	35.02	0.01	0	27.774	7.97	-77.6	1.2	0.3
6/8/2005	3:30:39	24.93	53.198	35.10	0.01	0	27.815	7.97	-77.5	1.2	0.3
6/8/2005	4:00:39	24.89	53.373	35.23	0.01	0	27.922	7.96	-76.8	1.2	0.4
6/8/2005	4:30:39	24.87	53.320	35.19	0.01	0	27.955	7.96	-77.0	1.2	0.3
6/8/2005	5:00:39	24.89	53.297	35.17	0.01	0	27.971	7.96	-76.7	1.3	0.4
6/8/2005	5:30:39	24.97	53.278	35.16	0.01	0	27.999	7.96	-76.8	1.1	0.3
6/8/2005	6:00:39	24.91	53.290	35.17	0.01	0	28.036	7.95	-76.5	1.2	0.4
6/8/2005	6:30:39	24.94	53.319	35.19	0.01	0	28.078	7.94	-75.9	4.3	0.4
6/8/2005	7:00:39	24.95	53.368	35.23	0.01	0	28.100	7.95	-76.0	12.6	0.3
6/8/2005	7:30:39	24.95	53.388	35.24	0.01	0	28.111	7.94	-75.6	24.8	0.3
6/8/2005	8:00:39	24.94	53.420	35.27	0.01	1	28.070	7.94	-75.8	40.2	0.4
6/8/2005	8:30:39	24.95	53.379	35.23	0.01	0	28.138	7.96	-76.7	49.2	0.4
6/8/2005	9:00:39	24.93	53.397	35.25	0.01	0	28.143	7.96	-76.7	65.8	0.3
6/8/2005	9:30:39	24.89	53.493	35.32	0.01	1	28.109	7.97	-77.1	105.5	0.5
6/8/2005	10:00:39	24.90	53.527	35.35	0.01	0	28.127	7.97	-77.2	104.2	0.4
6/8/2005	10:30:39	24.91	53.518	35.34	0.01	0	28.077	7.97	-77.2	123.6	0.4
6/8/2005	11:00:39	24.91	53.575	35.38	0.01	0	28.087	7.97	-77.6	206.7	0.4
6/8/2005	11:30:39	24.92	53.574	35.38	0.01	0	28.115	7.98	-77.9	151.8	0.5
6/8/2005	12:00:39	24.94	53.564	35.37	0.01	0	28.042	7.98	-77.8	228.5	0.4
6/8/2005	12:30:39	24.92	53.606	35.40	0.01	0	28.048	7.97	-77.6	239.4	0.4
6/8/2005	13:00:39	24.93	53.628	35.42	0.01	1	28.009	7.98	-77.8	253.5	0.4
6/8/2005	13:30:39	24.93	53.618	35.41	0.01	0	27.946	7.98	-78.1	270.0	0.4
6/8/2005	14:00:39	24.92	53.612	35.41	0.01	0	27.954	7.98	-78.1	246.3	0.4
6/8/2005	14:30:39	25.05	53.844	35.58	0.01	1	27.934	7.98	-78.1	290.9	0.3
6/8/2005	15:00:39	25.05	53.829	35.57	0.01	0	27.906	7.99	-78.3	221.0	0.3
6/8/2005	15:30:39	25.06	53.819	35.56	0.01	0	27.876	7.99	-78.6	228.5	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/8/2005	16:00:39	25.03	53.797	35.54	0.01	0	27.831	7.99	-78.7	153.6	0.4
6/8/2005	16:30:39	25.05	53.794	35.54	0.01	0	27.785	8.00	-79.0	162.0	0.3
6/8/2005	17:00:39	25.05	53.793	35.54	0.01	0	27.699	8.00	-79.0	133.3	0.3
6/8/2005	17:30:39	25.05	53.787	35.54	0.01	1	27.693	8.00	-79.3	116.2	0.3
6/8/2005	18:00:39	25.04	53.764	35.52	0.01	0	27.645	8.00	-79.0	82.1	0.3
6/8/2005	18:30:39	25.04	53.770	35.52	0.01	0	27.600	8.00	-79.3	52.5	0.4
6/8/2005	19:00:39	25.03	53.749	35.51	0.01	0	27.580	8.00	-79.0	31.9	0.4
6/8/2005	19:30:39	25.02	53.732	35.49	0.01	0	27.523	8.00	-78.8	14.9	0.3
6/8/2005	20:00:39	25.03	53.725	35.49	0.01	0	27.488	7.99	-78.8	4.5	0.4
6/8/2005	20:30:39	25.01	53.499	35.32	0.01	0	27.457	7.99	-78.3	1.3	0.4
6/8/2005	21:00:39	25.00	53.413	35.26	0.01	0	27.434	7.99	-78.2	1.2	0.4
6/8/2005	21:30:39	24.98	53.419	35.26	0.01	0	27.433	7.98	-78.2	1.1	0.3
6/8/2005	22:00:39	24.96	53.467	35.30	0.01	0	27.437	7.98	-78.2	1.2	0.3
6/8/2005	22:30:39	24.96	53.471	35.30	0.01	0	27.458	7.98	-78.2	1.1	0.4
6/8/2005	23:00:39	24.97	53.472	35.30	0.01	0	27.437	7.98	-78.1	1.1	0.3
6/8/2005	23:30:39	24.97	53.476	35.31	0.01	0	27.465	7.98	-77.9	1.1	0.4
6/9/2005	0:00:39	24.99	53.447	35.28	0.01	0	27.547	7.98	-77.8	1.4	0.4
6/9/2005	0:30:39	24.99	53.441	35.28	0.01	0	27.521	7.97	-77.6	1.2	0.4
6/9/2005	1:00:39	24.98	53.471	35.30	0.01	0	27.582	7.96	-76.8	1.1	0.4
6/9/2005	1:30:39	24.99	53.460	35.29	0.01	0	27.619	7.96	-76.5	1.2	0.3
6/9/2005	2:00:39	24.99	53.457	35.29	0.01	1	27.688	7.95	-76.4	1.1	0.4
6/9/2005	2:30:39	24.99	53.458	35.29	0.01	0	27.716	7.95	-75.9	1.1	0.4
6/9/2005	3:00:39	25.00	53.445	35.28	0.01	0	27.790	7.94	-75.7	1.2	0.4
6/9/2005	3:30:39	24.98	53.530	35.35	0.01	0	27.780	7.95	-76.0	1.1	0.4
6/9/2005	4:00:39	24.96	53.595	35.39	0.01	0	27.841	7.95	-76.3	1.1	0.3
6/9/2005	4:30:39	24.91	53.719	35.49	0.01	1	27.931	7.96	-76.9	1.2	0.3
6/9/2005	5:00:39	24.87	53.778	35.53	0.01	0	27.946	7.97	-77.3	1.2	0.3
6/9/2005	5:30:39	24.84	53.806	35.55	0.01	0	28.008	7.98	-77.7	1.2	0.4
6/9/2005	6:00:39	24.85	53.788	35.54	0.01	0	28.019	7.98	-78.1	1.4	0.4
6/9/2005	6:30:39	24.85	53.795	35.55	0.01	0	28.064	7.98	-77.9	4.2	0.5
6/9/2005	7:00:39	24.86	53.794	35.54	0.01	0	28.048	7.98	-77.8	14.0	0.4
6/9/2005	7:30:39	24.89	53.743	35.51	0.01	0	28.117	7.96	-77.0	28.0	0.5
6/9/2005	8:00:39	24.78	53.875	35.61	0.01	0	28.099	7.97	-77.5	45.5	0.3
6/9/2005	8:30:39	24.52	54.041	35.74	0.01	0	28.115	7.98	-77.9	67.6	0.3
6/9/2005	9:00:39	24.44	54.109	35.79	0.01	0	28.086	7.98	-77.9	85.9	0.5
6/9/2005	9:30:39	24.48	54.094	35.78	0.01	0	28.091	7.98	-77.9	113.5	0.5
6/9/2005	10:00:39	24.50	54.083	35.77	0.01	0	28.118	7.98	-78.0	135.2	0.6
6/9/2005	10:30:39	24.56	54.038	35.73	0.01	0	28.119	7.99	-78.4	207.4	0.4
6/9/2005	11:00:39	24.58	54.032	35.73	0.01	0	28.108	7.99	-78.4	71.2	0.4
6/9/2005	11:30:39	24.60	54.023	35.72	0.01	0	28.086	7.99	-78.3	264.4	0.3
6/9/2005	12:00:39	24.62	54.007	35.71	0.01	0	28.067	7.99	-78.6	254.2	0.4
6/9/2005	12:30:39	24.65	54.005	35.71	0.01	0	28.037	7.99	-78.7	286.9	0.4
6/9/2005	13:00:39	24.70	53.985	35.69	0.01	0	28.040	8.00	-78.9	280.9	0.4
6/9/2005	13:30:39	24.70	53.981	35.69	0.01	0	28.003	7.99	-78.6	279.7	0.3
6/9/2005	14:00:39	24.73	53.967	35.68	0.01	0	27.966	7.99	-78.7	265.5	0.4
6/9/2005	14:30:39	24.76	53.948	35.66	0.01	0	27.944	8.00	-78.8	260.8	0.3
6/9/2005	15:00:39	24.79	53.942	35.66	0.01	0	27.913	8.00	-79.1	241.7	0.4
6/9/2005	15:30:39	24.80	53.938	35.65	0.01	0	27.877	8.00	-78.8	237.1	0.4
6/9/2005	16:00:39	24.81	53.931	35.65	0.01	0	27.862	8.00	-79.2	203.3	0.4
6/9/2005	16:30:39	24.82	53.924	35.64	0.01	0	27.794	8.00	-79.2	47.9	0.4
6/9/2005	17:00:39	24.83	53.919	35.64	0.01	0	27.793	8.00	-79.2	57.2	0.4
6/9/2005	17:30:39	24.85	53.895	35.62	0.01	0	27.734	8.00	-78.8	104.2	0.4
6/9/2005	18:00:39	24.85	53.900	35.62	0.01	0	27.683	8.00	-79.2	76.9	0.8
6/9/2005	18:30:39	24.86	53.886	35.61	0.01	0	27.647	8.00	-79.0	50.9	0.5
6/9/2005	19:00:39	24.86	53.860	35.59	0.01	1	27.617	7.98	-78.1	27.3	0.5
6/9/2005	19:30:39	24.86	53.868	35.60	0.01	0	27.554	7.99	-78.4	15.6	0.5
6/9/2005	20:00:39	24.86	53.857	35.59	0.01	1	27.545	7.98	-78.1	4.8	0.5
6/9/2005	20:30:39	24.87	53.836	35.58	0.01	0	27.513	7.98	-77.7	1.3	0.4
6/9/2005	21:00:39	24.87	53.840	35.58	0.01	0	27.494	7.98	-77.8	1.2	0.4
6/9/2005	21:30:39	24.88	53.829	35.57	0.01	0	27.485	7.97	-77.5	1.3	0.7
6/9/2005	22:00:39	24.88	53.825	35.57	0.01	0	27.456	7.97	-77.3	1.2	0.4
6/9/2005	22:30:39	24.89	53.814	35.56	0.01	0	27.438	7.96	-76.9	1.2	0.4
6/9/2005	23:00:39	24.90	53.783	35.54	0.01	0	27.438	7.96	-76.6	1.3	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/9/2005	23:30:39	24.92	53.765	35.52	0.01	0	27.450	7.94	-75.7	1.2	0.4
6/10/2005	0:00:39	24.92	53.712	35.48	0.01	0	27.461	7.95	-76.4	1.3	0.4
6/10/2005	0:30:39	24.93	53.695	35.47	0.01	0	27.478	7.95	-75.9	1.2	0.6
6/10/2005	1:00:39	24.92	53.682	35.46	0.01	0	27.512	7.95	-76.3	1.3	0.4
6/10/2005	1:30:39	24.93	53.680	35.46	0.01	0	27.523	7.95	-76.2	1.3	0.4
6/10/2005	2:00:39	24.93	53.678	35.46	0.01	0	27.588	7.94	-75.7	1.1	0.5
6/10/2005	2:30:39	24.93	53.668	35.45	0.01	1	27.632	7.94	-75.9	1.2	0.4
6/10/2005	3:00:39	24.94	53.663	35.45	0.01	0	27.668	7.94	-75.4	1.2	0.4
6/10/2005	3:30:39	24.94	53.659	35.44	0.01	0	27.734	7.93	-75.1	1.3	0.5
6/10/2005	4:00:39	24.95	53.652	35.44	0.01	0	27.778	7.93	-75.1	1.3	0.4
6/10/2005	4:30:39	24.75	53.669	35.45	0.01	0	27.820	7.97	-77.1	1.2	0.4
6/10/2005	5:00:39	24.75	53.662	35.45	0.01	0	27.855	7.97	-77.5	1.2	0.4
6/10/2005	5:30:39	24.75	53.662	35.45	0.01	0	27.915	7.97	-77.3	1.3	0.4
6/10/2005	6:00:39	24.58	53.807	35.56	0.01	1	27.941	7.99	-78.1	1.3	0.3
6/10/2005	6:30:39	24.49	53.756	35.53	0.01	0	27.979	8.00	-79.1	4.7	0.4
6/10/2005	7:00:39	24.50	53.773	35.54	0.01	1	28.002	8.00	-78.8	15.2	0.4
6/10/2005	7:30:39	24.51	53.771	35.54	0.01	0	28.023	8.00	-78.7	31.0	0.4
6/10/2005	8:00:39	24.52	53.756	35.52	0.01	0	28.069	7.99	-78.6	49.3	0.5
6/10/2005	8:30:39	24.57	53.691	35.47	0.01	0	28.063	7.99	-78.2	73.3	0.3
6/10/2005	9:00:39	24.51	53.681	35.47	0.01	0	28.088	8.00	-78.9	99.0	0.6
6/10/2005	9:30:39	24.54	53.690	35.47	0.01	0	28.083	7.99	-78.6	129.6	0.6
6/10/2005	10:00:39	24.56	53.692	35.48	0.01	0	28.083	7.99	-78.4	162.1	0.4
6/10/2005	10:30:39	24.57	53.692	35.48	0.01	0	28.087	7.99	-78.4	178.5	0.5
6/10/2005	11:00:39	24.59	53.693	35.48	0.01	0	28.070	7.99	-78.6	210.0	0.4
6/10/2005	11:30:39	24.61	53.681	35.47	0.01	0	28.082	8.00	-78.7	225.4	0.4
6/10/2005	12:00:39	24.65	53.669	35.46	0.01	1	28.060	7.99	-78.6	251.8	0.3
6/10/2005	12:30:39	24.67	53.676	35.46	0.01	0	28.026	7.99	-78.7	251.0	0.4
6/10/2005	13:00:39	24.70	53.652	35.44	0.01	0	28.020	8.00	-78.8	217.1	0.4
6/10/2005	13:30:39	24.72	53.653	35.44	0.01	0	28.016	8.00	-78.8	247.4	0.4
6/10/2005	14:00:39	24.75	53.654	35.44	0.01	0	27.996	8.01	-79.3	277.0	0.4
6/10/2005	14:30:39	24.76	53.642	35.43	0.01	1	27.973	8.00	-79.3	246.2	0.4
6/10/2005	15:00:39	24.82	53.583	35.39	0.01	0	27.931	8.01	-79.5	222.9	0.4
6/10/2005	15:30:39	24.68	53.559	35.37	0.01	1	27.907	8.01	-79.4	210.7	0.5
6/10/2005	16:00:39	24.64	53.620	35.42	0.01	1	27.866	8.01	-79.7	186.6	0.5
6/10/2005	16:30:39	24.66	53.577	35.39	0.01	0	27.837	8.02	-80.1	162.4	0.4
6/10/2005	17:00:39	24.59	53.606	35.41	0.01	0	27.793	8.01	-79.8	129.9	0.5
6/10/2005	17:30:39	24.56	53.606	35.41	0.01	0	27.765	8.01	-79.8	102.1	0.4
6/10/2005	18:00:39	24.47	53.800	35.56	0.01	0	27.721	8.01	-79.4	74.2	0.3
6/10/2005	18:30:39	24.40	53.904	35.64	0.01	0	27.686	8.01	-79.5	49.9	0.5
6/10/2005	19:00:39	24.42	53.878	35.62	0.01	0	27.665	8.01	-79.5	34.9	0.6
6/10/2005	19:30:39	24.43	53.872	35.61	0.01	0	27.613	8.01	-79.4	14.7	0.5
6/10/2005	20:00:39	24.43	53.867	35.61	0.01	0	27.563	8.01	-79.5	4.7	0.4
6/10/2005	20:30:39	24.44	53.847	35.59	0.01	0	27.536	8.00	-79.1	1.3	0.5
6/10/2005	21:00:39	24.45	53.819	35.57	0.01	1	27.507	8.00	-79.0	1.3	0.4
6/10/2005	21:30:39	24.45	53.808	35.56	0.01	0	27.492	7.99	-78.6	1.2	0.4
6/10/2005	22:00:39	24.44	53.794	35.55	0.01	0	27.478	7.99	-78.5	1.2	0.4
6/10/2005	22:30:39	24.44	53.797	35.56	0.01	0	27.453	7.98	-78.0	1.1	0.5
6/10/2005	23:00:39	24.44	53.793	35.55	0.01	0	27.415	7.99	-78.2	1.2	0.5
6/10/2005	23:30:39	24.47	53.741	35.51	0.01	0	27.434	7.98	-78.0	1.2	0.4
6/11/2005	0:00:39	24.50	53.687	35.47	0.01	0	27.437	7.99	-78.1	1.1	0.4
6/11/2005	0:30:39	24.50	53.693	35.48	0.01	0	27.430	7.98	-77.9	1.3	0.5
6/11/2005	1:00:39	24.52	53.677	35.47	0.01	0	27.462	7.97	-77.3	1.1	0.4
6/11/2005	1:30:39	24.55	53.660	35.45	0.01	0	27.470	7.96	-76.8	1.3	0.4
6/11/2005	2:00:39	24.54	53.662	35.45	0.01	0	27.534	7.96	-76.7	1.2	0.4
6/11/2005	2:30:39	24.54	53.658	35.45	0.01	0	27.573	7.96	-76.7	1.1	0.4
6/11/2005	3:00:39	24.56	53.648	35.44	0.01	0	27.585	7.95	-76.4	1.3	0.4
6/11/2005	3:30:39	24.58	53.639	35.44	0.01	0	27.663	7.94	-75.8	1.3	0.5
6/11/2005	4:00:39	24.57	53.645	35.44	0.01	0	27.653	7.93	-75.3	1.1	0.4
6/11/2005	4:30:39	24.58	53.639	35.44	0.01	0	27.699	7.94	-75.5	1.2	0.4
6/11/2005	5:00:39	24.62	53.612	35.41	0.01	0	27.715	7.94	-75.5	1.1	0.5
6/11/2005	5:30:39	24.60	53.628	35.43	0.01	0	27.811	7.92	-74.5	1.2	0.4
6/11/2005	6:00:39	24.63	53.609	35.41	0.01	0	27.891	7.93	-74.8	1.3	0.4
6/11/2005	6:30:39	24.62	53.624	35.42	0.01	0	27.869	7.92	-74.6	4.6	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/11/2005	7:00:39	24.56	53.648	35.44	0.01	0	27.915	7.97	-77.1	15.0	0.4
6/11/2005	7:30:39	24.48	53.683	35.47	0.01	0	27.908	8.00	-78.7	29.1	0.3
6/11/2005	8:00:39	24.48	53.690	35.48	0.01	0	27.968	7.99	-78.2	47.8	0.4
6/11/2005	8:30:39	24.51	53.674	35.46	0.01	0	28.051	7.98	-77.8	70.0	0.3
6/11/2005	9:00:39	24.52	53.672	35.46	0.01	0	28.029	7.98	-77.8	86.6	0.4
6/11/2005	9:30:39	24.56	53.659	35.45	0.01	0	28.095	7.96	-77.0	114.2	0.4
6/11/2005	10:00:39	24.57	53.663	35.45	0.01	0	27.948	7.97	-77.4	137.9	0.4
6/11/2005	10:30:39	24.65	53.612	35.41	0.01	0	28.213	7.96	-76.9	147.3	0.6
6/11/2005	11:00:39	24.75	53.628	35.42	0.01	0	28.019	7.98	-78.1	184.3	0.4
6/11/2005	11:30:39	25.17	53.665	35.44	0.01	0	28.179	8.03	-80.6	208.0	0.5
6/11/2005	12:00:39	25.32	53.751	35.50	0.01	0	27.904	8.02	-80.5	240.9	0.3
6/11/2005	12:30:39	25.36	53.755	35.50	0.01	0	27.927	8.02	-80.4	208.6	0.5
6/11/2005	13:00:39	25.40	53.708	35.47	0.01	0	28.207	8.02	-80.3	207.1	0.4
6/11/2005	13:30:39	25.43	53.706	35.47	0.01	0	27.922	8.02	-80.4	209.7	0.4
6/11/2005	14:00:39	25.46	53.695	35.46	0.01	0	27.919	8.02	-80.2	229.8	0.6
6/11/2005	14:30:39	25.48	53.687	35.45	0.01	0	27.884	8.02	-80.4	79.4	0.6
6/11/2005	15:00:39	25.51	53.661	35.43	0.01	0	27.845	8.02	-80.3	186.3	21.1
6/11/2005	15:30:39	25.54	53.645	35.42	0.01	0	28.034	8.02	-80.3	169.7	0.6
6/11/2005	16:00:39	25.56	53.630	35.41	0.01	0	28.122	8.02	-80.2	145.8	1.2
6/11/2005	16:30:39	25.44	53.654	35.43	0.01	0	27.432	8.02	-80.1	146.7	1.0
6/11/2005	17:00:39	25.44	53.646	35.42	0.01	0	27.730	8.01	-80.0	98.0	0.6
6/11/2005	17:30:39	25.55	53.611	35.39	0.01	1	27.625	8.01	-80.0	85.1	0.7
6/11/2005	18:00:39	25.76	53.609	35.39	0.01	0	27.914	8.02	-80.1	56.7	0.4
6/11/2005	18:30:39	25.87	53.640	35.41	0.01	0	27.920	8.01	-80.0	41.0	4.0
6/11/2005	19:00:39	25.45	53.663	35.43	0.01	0	27.689	8.01	-79.6	25.2	0.4
6/11/2005	19:30:39	25.04	53.815	35.56	0.01	0	28.051	8.00	-78.9	13.0	0.6
6/11/2005	20:00:39	25.06	53.806	35.55	0.01	0	27.564	8.01	-79.6	3.9	0.4
6/11/2005	20:30:39	25.11	53.793	35.54	0.01	0	27.341	8.01	-79.7	1.3	0.6
6/11/2005	21:00:39	24.89	53.883	35.61	0.01	0	27.902	8.00	-79.3	1.3	0.5
6/11/2005	21:30:39	24.75	53.947	35.66	0.01	0	27.336	8.00	-79.0	1.1	0.4
6/11/2005	22:00:39	24.64	53.996	35.70	0.01	0	27.584	8.01	-79.6	1.3	0.6
6/11/2005	22:30:39	24.64	54.001	35.70	0.01	0	27.401	8.02	-80.1	1.3	0.7
6/11/2005	23:00:39	24.65	53.998	35.70	0.01	0	27.809	8.01	-79.7	1.3	0.6
6/11/2005	23:30:39	24.68	53.984	35.69	0.01	0	27.528	8.01	-79.5	1.2	0.5
6/12/2005	0:00:39	24.76	53.951	35.66	0.01	0	27.668	8.00	-79.2	1.3	0.5
6/12/2005	0:30:39	24.76	53.943	35.66	0.01	0	27.738	8.00	-79.2	1.2	0.4
6/12/2005	1:00:39	24.88	53.902	35.63	0.01	0	27.495	8.00	-79.0	1.2	0.4
6/12/2005	1:30:39	24.85	53.939	35.65	0.01	0	27.821	8.01	-79.3	1.2	0.4
6/12/2005	2:00:39	24.92	53.917	35.64	0.01	1	27.400	8.00	-79.0	1.3	0.4
6/12/2005	2:30:39	24.90	53.916	35.63	0.01	0	27.672	7.99	-78.7	1.3	0.4
6/12/2005	3:00:39	24.92	53.912	35.63	0.01	0	27.566	7.99	-78.7	1.2	1.3
6/12/2005	3:30:39	25.00	53.887	35.61	0.01	0	27.508	8.01	-79.7	1.2	0.4
6/12/2005	4:00:39	24.96	53.875	35.60	0.01	0	27.770	8.02	-80.0	1.1	0.6
6/12/2005	4:30:39	24.89	53.898	35.62	0.01	0	27.896	8.01	-79.5	1.3	0.5
6/12/2005	5:00:39	24.87	53.873	35.60	0.01	0	27.697	8.01	-79.9	1.3	0.4
6/12/2005	5:30:39	24.88	53.887	35.61	0.01	0	27.721	8.01	-79.6	1.2	0.4
6/12/2005	6:00:39	24.89	53.880	35.61	0.01	0	28.150	8.01	-79.4	1.2	0.5
6/12/2005	6:30:39	24.90	53.859	35.59	0.01	0	27.917	8.00	-79.3	4.6	0.5
6/12/2005	7:00:39	24.91	53.855	35.59	0.01	0	27.826	8.00	-79.2	14.5	0.5
6/12/2005	7:30:39	24.98	53.849	35.58	0.01	0	27.979	7.99	-78.6	28.1	0.4
6/12/2005	8:00:39	24.95	53.856	35.59	0.01	0	27.927	7.99	-78.6	48.3	0.4
6/12/2005	8:30:39	24.99	53.845	35.58	0.01	0	28.122	7.99	-78.2	36.7	0.6
6/12/2005	9:00:39	25.00	53.843	35.58	0.01	0	28.020	7.98	-78.1	104.1	0.4
6/12/2005	9:30:39	25.03	53.838	35.57	0.01	0	27.994	7.98	-78.0	121.9	0.4
6/12/2005	10:00:39	25.07	53.825	35.56	0.01	0	28.122	7.98	-77.8	139.1	0.5
6/12/2005	10:30:39	25.18	53.791	35.54	0.01	0	28.054	7.98	-78.1	155.2	0.3
6/12/2005	11:00:39	25.26	53.761	35.51	0.01	0	28.077	7.99	-78.6	184.6	0.4
6/12/2005	11:30:39	25.32	53.739	35.49	0.01	0	28.005	8.00	-79.2	237.5	0.4
6/12/2005	12:00:39	25.52	53.745	35.49	0.01	0	27.965	8.03	-80.9	233.3	0.4
6/12/2005	12:30:39	25.52	53.890	35.60	0.01	0	27.883	8.03	-80.9	233.1	0.4
6/12/2005	13:00:39	25.52	53.911	35.62	0.01	0	27.958	8.03	-81.0	240.1	0.4
6/12/2005	13:30:39	25.54	53.911	35.62	0.01	0	28.037	8.04	-81.2	264.2	0.4
6/12/2005	14:00:39	25.57	53.912	35.62	0.01	0	27.995	8.04	-81.2	249.3	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/12/2005	14:30:39	25.59	53.917	35.62	0.01	0	27.920	8.05	-81.8	240.2	0.3
6/12/2005	15:00:39	25.62	53.912	35.61	0.01	0	27.917	8.04	-81.7	93.9	0.3
6/12/2005	15:30:39	25.66	53.901	35.61	0.01	0	27.921	8.04	-81.8	209.5	0.4
6/12/2005	16:00:39	25.68	53.902	35.61	0.01	0	27.817	8.05	-81.9	181.8	0.4
6/12/2005	16:30:39	25.74	53.847	35.56	0.01	0	27.823	8.04	-81.5	151.9	0.4
6/12/2005	17:00:39	25.62	53.850	35.57	0.01	0	27.910	8.02	-80.6	41.1	0.4
6/12/2005	17:30:39	25.29	53.918	35.63	0.01	0	27.806	8.02	-80.6	108.1	0.3
6/12/2005	18:00:39	25.31	53.915	35.62	0.01	1	27.776	8.03	-80.6	76.2	0.4
6/12/2005	18:30:39	25.33	53.913	35.62	0.01	0	27.777	8.03	-80.6	48.0	0.4
6/12/2005	19:00:39	25.27	53.939	35.64	0.01	0	27.762	8.02	-80.4	19.3	0.3
6/12/2005	19:30:39	25.00	54.010	35.70	0.01	0	27.742	8.01	-79.9	18.7	0.4
6/12/2005	20:00:39	25.05	54.001	35.69	0.01	0	27.764	8.01	-79.8	4.3	0.9
6/12/2005	20:30:39	25.05	53.994	35.69	0.01	0	27.693	8.01	-79.8	1.3	0.5
6/12/2005	21:00:39	24.99	54.003	35.70	0.01	0	27.711	8.01	-79.5	1.3	0.4
6/12/2005	21:30:39	24.90	54.030	35.72	0.01	0	27.688	8.01	-79.7	1.3	0.5
6/12/2005	22:00:39	24.91	54.040	35.73	0.01	0	27.653	8.01	-79.9	1.4	0.4
6/12/2005	22:30:39	24.98	54.072	35.75	0.01	0	27.681	8.02	-80.4	1.3	0.4
6/12/2005	23:00:39	24.99	54.069	35.75	0.01	0	27.598	8.01	-79.8	1.3	0.4
6/12/2005	23:30:39	24.96	54.050	35.73	0.01	0	27.730	8.01	-79.5	1.2	0.4
6/13/2005	0:00:39	24.97	54.053	35.74	0.01	0	27.605	8.01	-79.5	1.2	0.4
6/13/2005	0:30:39	25.03	54.061	35.74	0.01	0	27.547	8.01	-80.0	1.3	0.4
6/13/2005	1:00:39	25.00	54.019	35.71	0.01	0	27.617	8.01	-79.5	1.2	0.5
6/13/2005	1:30:39	25.01	54.055	35.74	0.01	0	27.600	8.01	-79.3	1.2	0.5
6/13/2005	2:00:39	25.02	54.048	35.73	0.01	1	27.649	7.99	-78.6	1.3	0.4
6/13/2005	2:30:39	25.05	54.056	35.74	0.01	0	27.654	7.99	-78.4	1.3	0.5
6/13/2005	3:00:39	25.08	54.058	35.74	0.01	0	27.623	7.99	-78.2	1.2	0.3
6/13/2005	3:30:39	25.08	54.048	35.73	0.01	0	27.673	7.98	-78.0	1.2	0.3
6/13/2005	4:00:39	25.09	54.045	35.73	0.01	0	27.703	7.99	-78.3	1.2	0.4
6/13/2005	4:30:39	25.09	54.044	35.73	0.01	0	27.719	7.98	-78.1	1.3	0.4
6/13/2005	5:00:39	25.12	54.041	35.72	0.01	0	27.781	7.98	-77.9	1.3	0.4
6/13/2005	5:30:39	25.14	54.037	35.72	0.01	0	27.770	7.98	-77.9	1.2	0.3
6/13/2005	6:00:39	25.14	54.030	35.71	0.01	0	27.863	7.96	-77.0	1.3	0.3
6/13/2005	6:30:39	25.14	54.020	35.71	0.01	0	27.856	7.96	-76.7	4.3	0.4
6/13/2005	7:00:39	25.15	54.016	35.70	0.01	0	27.936	7.96	-77.0	12.8	0.5
6/13/2005	7:30:39	25.16	53.999	35.69	0.01	0	27.928	7.96	-76.9	27.6	0.6
6/13/2005	8:00:39	25.16	53.978	35.67	0.01	0	27.936	7.96	-76.6	46.6	0.3
6/13/2005	8:30:39	25.62	53.773	35.51	0.01	0	27.995	8.05	-81.8	25.2	0.4
6/13/2005	9:00:39	25.61	52.537	34.59	0.01	0	28.004	8.04	-81.5	35.5	0.5
6/13/2005	9:30:39	25.65	53.751	35.49	0.01	0	27.995	8.04	-81.4	119.9	0.5
6/13/2005	10:00:39	25.71	53.840	35.56	0.01	0	28.001	8.04	-81.4	141.5	1.2
6/13/2005	10:30:39	25.70	52.683	34.70	0.01	0	28.025	8.04	-81.3	173.0	0.3
6/13/2005	11:00:39	25.69	53.950	35.64	0.01	0	27.979	8.04	-81.5	216.5	0.3
6/13/2005	11:30:39	25.67	53.951	35.64	0.01	0	27.998	8.04	-81.5	209.7	0.4
6/13/2005	12:00:39	25.59	53.940	35.64	0.01	0	27.974	8.04	-81.7	255.5	0.4
6/13/2005	12:30:39	25.49	53.956	35.65	0.01	0	27.948	8.04	-81.3	286.5	0.4
6/13/2005	13:00:39	25.41	52.792	34.79	0.01	0	27.992	8.04	-81.4	301.6	0.4
6/13/2005	13:30:39	25.45	53.915	35.62	0.01	0	27.957	8.04	-81.6	260.1	0.4
6/13/2005	14:00:39	25.36	52.535	34.60	0.01	0	27.961	8.04	-81.5	263.3	0.4
6/13/2005	14:30:39	25.31	52.737	34.75	0.01	0	27.959	8.05	-81.9	250.5	0.4
6/13/2005	15:00:39	25.30	53.823	35.56	0.01	0	27.914	8.06	-82.8	233.1	0.4
6/13/2005	15:30:39	25.31	53.820	35.55	0.01	0	27.885	8.06	-82.6	221.9	0.4
6/13/2005	16:00:39	25.11	53.079	35.01	0.01	0	27.876	8.06	-82.6	223.7	0.3
6/13/2005	16:30:39	24.93	54.029	35.72	0.01	0	27.822	8.05	-81.8	63.8	0.4
6/13/2005	17:00:39	24.96	54.021	35.71	0.01	0	27.809	8.06	-82.4	134.6	0.3
6/13/2005	17:30:39	24.94	52.773	34.79	0.01	0	27.812	8.05	-82.1	117.7	0.4
6/13/2005	18:00:39	24.96	54.026	35.72	0.01	0	27.784	8.05	-82.1	81.3	0.4
6/13/2005	18:30:39	24.97	54.026	35.71	0.01	0	27.814	8.06	-82.2	56.5	0.5
6/13/2005	19:00:39	24.97	54.023	35.71	0.01	0	27.815	8.05	-82.1	35.9	0.4
6/13/2005	19:30:39	25.00	54.004	35.70	0.01	0	27.776	8.05	-81.7	13.9	0.3
6/13/2005	20:00:39	25.00	54.008	35.70	0.01	0	27.798	8.04	-81.4	4.3	0.4
6/13/2005	20:30:39	25.00	52.665	34.70	0.01	0	27.812	8.05	-81.8	1.3	0.4
6/13/2005	21:00:39	25.05	52.858	34.85	0.01	0	27.816	8.04	-81.2	1.3	0.4
6/13/2005	21:30:39	24.92	53.989	35.69	0.01	0	27.722	8.02	-80.1	1.4	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/13/2005	22:00:39	24.87	54.213	35.86	0.01	0	27.725	8.03	-81.0	1.2	0.7
6/13/2005	22:30:39	24.75	53.793	35.55	0.01	0	27.711	8.04	-81.3	1.4	0.5
6/13/2005	23:00:39	24.76	53.499	35.33	0.01	0	27.699	8.04	-81.4	1.3	0.4
6/13/2005	23:30:39	24.76	53.158	35.07	0.01	0	27.715	8.04	-81.2	1.4	0.6
6/14/2005	0:00:39	24.77	53.215	35.12	0.01	0	27.716	8.04	-81.2	1.2	0.4
6/14/2005	0:30:39	24.80	53.726	35.50	0.01	0	27.696	8.04	-81.0	1.2	0.3
6/14/2005	1:00:39	24.83	53.806	35.55	0.01	0	27.680	8.02	-80.4	1.3	0.5
6/14/2005	1:30:39	24.85	53.946	35.66	0.01	0	27.711	8.03	-80.7	1.3	0.4
6/14/2005	2:00:39	24.84	53.723	35.49	0.01	0	27.663	8.03	-80.6	1.4	0.5
6/14/2005	2:30:39	24.85	54.115	35.78	0.01	0	27.676	8.02	-80.3	1.2	0.4
6/14/2005	3:00:39	24.89	53.783	35.54	0.01	0	27.694	8.01	-79.7	1.2	0.4
6/14/2005	3:30:39	24.89	53.728	35.50	0.01	0	27.720	8.02	-80.0	1.3	0.5
6/14/2005	4:00:39	24.91	53.678	35.46	0.01	0	27.749	8.00	-79.3	1.3	0.5
6/14/2005	4:30:39	25.02	53.414	35.26	0.01	0	27.785	8.03	-80.9	1.3	0.4
6/14/2005	5:00:39	24.95	53.853	35.59	0.01	0	27.792	7.99	-78.7	1.3	0.5
6/14/2005	5:30:39	24.98	53.055	34.99	0.01	0	27.827	8.01	-79.8	1.2	0.4
6/14/2005	6:00:39	25.01	52.605	34.66	0.01	0	27.853	8.01	-79.9	1.2	0.6
6/14/2005	6:30:39	25.01	53.953	35.66	0.01	0	27.852	8.01	-79.4	5.5	0.3
6/14/2005	7:00:39	25.09	53.953	35.66	0.01	0	27.883	8.00	-79.1	19.2	0.4
6/14/2005	7:30:39	25.51	52.608	34.65	0.01	0	27.959	8.05	-82.2	37.6	0.4
6/14/2005	8:00:39	25.36	53.902	35.61	0.01	0	27.947	8.05	-82.0	59.3	0.3
6/14/2005	8:30:39	25.16	52.797	34.80	0.01	0	27.970	8.05	-82.1	112.9	0.3
6/14/2005	9:00:39	25.13	53.862	35.59	0.01	0	27.979	8.06	-82.3	117.4	0.3
6/14/2005	9:30:39	25.31	53.942	35.64	0.01	0	27.978	8.06	-82.5	134.3	0.4
6/14/2005	10:00:39	25.41	53.180	35.08	0.01	1	27.988	8.06	-82.4	181.5	0.5
6/14/2005	10:30:39	25.46	52.623	34.66	0.01	0	27.997	8.06	-82.8	211.5	0.4
6/14/2005	11:00:39	25.44	54.033	35.71	0.01	0	27.986	8.06	-82.6	226.4	0.4
6/14/2005	11:30:39	25.47	54.017	35.70	0.01	0	28.015	8.08	-83.4	278.5	0.8
6/14/2005	12:00:39	25.48	53.127	35.03	0.01	0	28.009	8.08	-83.9	323.6	0.4
6/14/2005	12:30:39	25.10	52.539	34.61	0.01	0	27.975	8.08	-83.6	312.1	0.4
6/14/2005	13:00:39	25.32	52.816	34.81	0.01	0	27.943	8.08	-83.6	314.5	0.4
6/14/2005	13:30:39	25.78	53.393	35.23	0.01	0	27.945	8.08	-83.9	303.7	0.5
6/14/2005	14:00:39	25.87	53.466	35.28	0.01	0	27.925	8.09	-84.5	304.6	0.3
6/14/2005	14:30:39	25.66	52.775	34.77	0.01	0	27.916	8.09	-84.2	335.7	0.4
6/14/2005	15:00:39	25.64	52.427	34.51	0.01	0	27.926	8.10	-84.7	298.4	0.4
6/14/2005	15:30:39	25.78	54.265	35.87	0.01	0	27.860	8.11	-85.7	303.1	0.5
6/14/2005	16:00:39	25.73	54.265	35.87	0.01	0	27.814	8.10	-84.7	260.9	0.4
6/14/2005	16:30:39	25.88	54.306	35.90	0.01	0	27.811	8.09	-84.6	239.4	0.3
6/14/2005	17:00:39	25.88	54.294	35.89	0.01	0	27.808	8.09	-84.2	217.1	0.3
6/14/2005	17:30:39	25.91	54.311	35.90	0.01	1	27.790	8.09	-84.1	152.7	0.6
6/14/2005	18:00:39	25.97	54.323	35.91	0.01	0	27.787	8.08	-83.6	111.0	0.3
6/14/2005	18:30:39	26.01	54.331	35.92	0.01	0	27.790	8.07	-83.2	73.6	0.4
6/14/2005	19:00:39	25.98	54.329	35.92	0.01	0	27.776	8.06	-82.8	46.9	0.3
6/14/2005	19:30:39	26.00	54.345	35.93	0.01	0	27.768	8.05	-82.4	19.6	0.5
6/14/2005	20:00:39	26.05	54.356	35.93	0.01	0	27.769	8.03	-80.9	6.7	0.4
6/14/2005	20:30:39	26.02	53.325	35.17	0.01	0	27.808	8.03	-81.2	1.4	0.3
6/14/2005	21:00:39	24.92	53.759	35.52	0.01	0	27.802	8.02	-80.3	1.3	0.4
6/14/2005	21:30:39	24.65	53.739	35.51	0.01	0	27.764	8.04	-81.1	1.2	0.4
6/14/2005	22:00:39	24.68	54.155	35.82	0.01	0	27.750	8.05	-81.7	1.2	0.6
6/14/2005	22:30:39	24.67	53.521	35.35	0.01	0	27.778	8.05	-81.5	1.2	0.3
6/14/2005	23:00:39	24.65	53.415	35.27	0.01	0	27.774	8.04	-81.4	1.3	0.6
6/14/2005	23:30:39	24.67	53.214	35.12	0.01	0	27.770	8.04	-81.2	1.4	0.4
6/15/2005	0:00:39	24.68	53.530	35.35	0.01	0	27.742	8.04	-81.1	1.4	1.0
6/15/2005	0:30:39	24.69	53.579	35.39	0.01	0	27.767	8.04	-81.1	1.3	0.4
6/15/2005	1:00:39	24.73	54.171	35.83	0.01	0	27.724	8.03	-80.7	1.3	0.6
6/15/2005	1:30:39	24.71	53.362	35.23	0.01	0	27.727	8.03	-80.9	1.3	0.5
6/15/2005	2:00:39	24.73	53.445	35.29	0.01	0	27.730	8.03	-80.9	1.3	0.4
6/15/2005	2:30:39	24.75	54.503	36.08	0.01	0	27.695	8.03	-80.7	1.4	0.4
6/15/2005	3:00:39	24.75	53.176	35.09	0.01	0	27.755	8.03	-80.6	1.2	0.6
6/15/2005	3:30:39	24.75	53.511	35.34	0.01	0	27.739	8.02	-80.4	1.3	0.4
6/15/2005	4:00:39	24.78	54.132	35.80	0.01	0	27.735	8.01	-79.5	1.3	0.4
6/15/2005	4:30:39	24.77	54.002	35.70	0.01	0	27.749	8.02	-80.0	1.2	0.4
6/15/2005	5:00:39	24.78	53.531	35.35	0.01	0	27.733	8.01	-79.5	1.3	0.5

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/15/2005	5:30:39	24.79	53.959	35.67	0.01	0	27.790	8.01	-79.4	1.2	0.4
6/15/2005	6:00:39	24.80	53.048	34.99	0.01	0	27.787	8.00	-78.9	1.3	0.4
6/15/2005	6:30:39	24.86	54.094	35.77	0.01	1	27.817	7.98	-78.1	5.4	0.4
6/15/2005	7:00:39	24.88	54.077	35.76	0.01	0	27.826	7.98	-78.2	18.0	0.4
6/15/2005	7:30:39	24.96	53.010	34.96	0.01	0	27.886	7.99	-78.5	37.7	0.3
6/15/2005	8:00:39	24.99	53.078	35.01	0.01	0	27.882	7.99	-78.5	63.3	0.4
6/15/2005	8:30:39	25.18	52.952	34.91	0.01	1	27.897	8.04	-81.4	93.2	0.4
6/15/2005	9:00:39	25.68	53.187	35.07	0.01	0	27.938	8.05	-81.9	104.3	0.4
6/15/2005	9:30:39	26.44	54.722	36.20	0.01	0	27.899	8.08	-83.9	154.5	0.4
6/15/2005	10:00:39	26.78	52.989	34.90	0.01	0	27.957	8.08	-83.8	192.9	0.3
6/15/2005	10:30:39	26.70	54.476	36.01	0.01	0	27.938	8.07	-83.7	212.4	0.4
6/15/2005	11:00:39	26.67	53.558	35.32	0.01	0	27.953	8.07	-83.5	167.5	0.4
6/15/2005	11:30:39	26.78	54.416	35.96	0.01	0	27.931	8.10	-84.9	255.1	0.4
6/15/2005	12:00:39	26.76	54.394	35.94	0.01	0	27.921	8.10	-85.3	292.8	0.2
6/15/2005	12:30:39	26.09	54.334	35.92	0.01	0	27.890	8.11	-85.7	284.1	0.2
6/15/2005	13:00:39	26.02	54.314	35.90	0.01	0	27.868	8.11	-85.7	318.5	0.3
6/15/2005	13:30:39	25.69	54.322	35.92	0.01	0	27.854	8.09	-84.1	303.6	0.3
6/15/2005	14:00:39	25.33	53.080	35.00	0.01	0	27.846	8.10	-84.7	300.0	0.4
6/15/2005	14:30:39	25.11	54.268	35.89	0.01	0	27.815	8.11	-85.4	295.8	0.4
6/15/2005	15:00:39	25.20	54.283	35.90	0.01	0	27.798	8.10	-85.0	179.9	0.6
6/15/2005	15:30:39	25.22	54.270	35.89	0.01	0	27.778	8.16	-88.2	262.3	0.4
6/15/2005	16:00:39	25.26	54.270	35.89	0.01	0	27.757	8.13	-86.3	229.9	0.3
6/15/2005	16:30:39	25.36	54.272	35.89	0.01	0	27.753	8.13	-86.6	193.3	0.4
6/15/2005	17:00:39	25.38	54.271	35.89	0.01	0	27.734	8.12	-85.8	160.9	0.3
6/15/2005	17:30:39	25.42	54.267	35.88	0.01	0	27.747	8.10	-85.0	129.5	0.3
6/15/2005	18:00:39	25.52	54.265	35.88	0.01	0	27.752	8.08	-83.9	99.3	0.3
6/15/2005	18:30:39	25.52	54.268	35.88	0.01	0	27.718	8.07	-83.4	67.3	0.4
6/15/2005	19:00:39	25.56	54.273	35.89	0.01	0	27.755	8.07	-82.9	39.2	0.3
6/15/2005	19:30:39	25.58	54.278	35.89	0.01	0	27.779	8.06	-82.6	20.2	0.4
6/15/2005	20:00:39	25.63	54.271	35.88	0.01	0	27.758	8.05	-82.3	6.3	0.4
6/15/2005	20:30:39	25.63	52.810	34.80	0.01	0	27.808	8.05	-82.1	1.5	0.3
6/15/2005	21:00:39	25.72	54.115	35.76	0.01	0	27.793	8.04	-81.5	1.2	2.7
6/15/2005	21:30:39	25.64	53.575	35.36	0.01	0	27.824	8.04	-81.5	1.5	0.6
6/15/2005	22:00:39	25.74	53.671	35.43	0.01	0	27.813	8.03	-80.9	1.4	0.4
6/15/2005	22:30:39	25.70	53.719	35.47	0.01	0	27.821	8.03	-80.7	1.2	0.6
6/15/2005	23:00:39	25.74	53.753	35.49	0.01	0	27.826	8.01	-79.8	1.2	0.4
6/15/2005	23:30:39	25.42	53.993	35.68	0.01	0	27.814	7.99	-78.5	1.3	0.4
6/16/2005	0:00:39	25.27	54.011	35.70	0.01	0	27.853	7.99	-78.8	1.3	0.4
6/16/2005	0:30:39	25.47	54.075	35.74	0.01	0	27.830	8.05	-81.8	1.3	0.4
6/16/2005	1:00:39	25.43	54.152	35.80	0.01	0	27.837	8.03	-80.7	1.3	0.4
6/16/2005	1:30:39	25.44	53.942	35.64	0.01	0	27.865	8.02	-80.6	1.3	0.5
6/16/2005	2:00:39	25.05	54.678	36.20	0.01	0	27.822	8.02	-80.0	1.4	0.4
6/16/2005	2:30:39	25.05	53.972	35.67	0.01	0	27.832	8.01	-79.9	1.3	0.4
6/16/2005	3:00:39	25.06	53.867	35.59	0.01	0	27.825	8.01	-79.7	1.3	0.4
6/16/2005	3:30:39	25.04	54.647	36.18	0.01	0	27.831	8.01	-79.5	1.4	0.5
6/16/2005	4:00:39	25.22	53.949	35.65	0.01	0	27.831	8.02	-80.2	1.4	0.7
6/16/2005	4:30:39	25.26	53.406	35.25	0.01	0	27.851	8.00	-79.2	1.3	0.5
6/16/2005	5:00:39	26.34	54.108	35.74	0.01	0	27.855	8.07	-83.4	1.4	0.5
6/16/2005	5:30:39	26.61	53.807	35.51	0.01	0	27.880	8.06	-82.9	1.2	0.4
6/16/2005	6:00:39	26.67	53.068	34.96	0.01	0	27.901	8.06	-82.6	1.4	1.8
6/16/2005	6:30:39	26.79	54.427	35.97	0.01	0	27.874	8.05	-82.5	5.6	0.3
6/16/2005	7:00:39	26.89	54.429	35.97	0.01	0	27.903	8.05	-82.5	18.2	0.3
6/16/2005	7:30:39	26.95	54.424	35.96	0.01	0	27.887	8.06	-82.6	36.4	0.3
6/16/2005	8:00:39	26.99	54.420	35.96	0.01	0	27.913	8.06	-82.6	71.2	0.3
6/16/2005	8:30:39	26.99	54.421	35.96	0.01	0	27.922	8.06	-82.7	99.5	0.3
6/16/2005	9:00:39	26.91	54.410	35.95	0.01	0	27.917	8.04	-81.8	120.7	0.4
6/16/2005	9:30:39	26.52	54.404	35.96	0.01	0	27.914	8.05	-82.2	91.6	0.4
6/16/2005	10:00:39	26.41	54.366	35.93	0.01	0	27.903	8.06	-82.9	158.9	0.3
6/16/2005	10:30:39	26.26	54.363	35.93	0.01	0	27.895	8.07	-83.2	211.4	0.4
6/16/2005	11:00:39	25.93	54.358	35.94	0.01	0	27.878	8.08	-84.0	223.6	0.4
6/16/2005	11:30:39	25.72	54.370	35.95	0.01	0	27.858	8.09	-84.5	311.3	0.9
6/16/2005	12:00:39	25.84	54.367	35.95	0.01	0	27.843	8.12	-85.9	272.9	0.4
6/16/2005	12:30:39	25.94	54.373	35.95	0.01	0	27.831	8.17	-88.8	292.2	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/16/2005	13:00:39	26.00	54.370	35.95	0.01	0	27.794	8.15	-87.6	315.3	0.4
6/16/2005	13:30:39	26.00	53.805	35.53	0.01	0	27.785	8.11	-85.4	164.5	0.4
6/16/2005	14:00:39	26.06	54.374	35.95	0.01	0	27.761	8.12	-86.2	271.0	0.3
6/16/2005	14:30:39	26.12	54.381	35.95	0.01	0	27.740	8.15	-87.8	300.0	0.3
6/16/2005	15:00:39	26.21	54.371	35.94	0.01	0	27.706	8.17	-88.9	262.2	0.4
6/16/2005	15:30:39	25.98	53.086	34.99	0.01	0	27.699	8.16	-88.1	256.6	0.4
6/16/2005	16:00:39	25.68	53.311	35.17	0.01	0	27.677	8.16	-88.6	225.8	0.3
6/16/2005	16:30:39	25.75	53.187	35.07	0.01	0	27.657	8.14	-87.5	194.8	0.4
6/16/2005	17:00:39	25.81	54.377	35.96	0.01	0	27.620	8.12	-86.0	164.3	0.4
6/16/2005	17:30:39	25.82	54.373	35.95	0.01	0	27.599	8.11	-85.6	129.1	0.3
6/16/2005	18:00:39	25.83	53.626	35.40	0.01	0	27.630	8.09	-84.4	94.9	0.4
6/16/2005	18:30:39	25.86	53.214	35.09	0.01	0	27.643	8.08	-83.8	66.0	0.3
6/16/2005	19:00:39	25.89	53.523	35.32	0.01	0	27.642	8.07	-83.0	39.4	0.3
6/16/2005	19:30:39	25.89	54.371	35.95	0.01	0	27.636	8.06	-82.4	18.3	0.4
6/16/2005	20:00:39	25.94	54.385	35.96	0.01	0	27.671	8.04	-81.8	6.0	0.3
6/16/2005	20:30:39	25.93	53.840	35.55	0.01	0	27.686	8.04	-81.8	1.3	0.4
6/16/2005	21:00:39	25.96	53.422	35.24	0.01	0	27.706	8.04	-81.4	1.3	0.4
6/16/2005	21:30:39	25.98	54.246	35.85	0.01	0	27.739	8.03	-81.1	1.4	0.4
6/16/2005	22:00:39	25.74	54.232	35.85	0.01	0	27.757	8.04	-81.6	1.3	0.4
6/16/2005	22:30:39	25.80	53.462	35.28	0.01	0	27.798	8.05	-82.0	1.3	0.2
6/16/2005	23:00:39	25.86	54.170	35.80	0.01	0	27.821	8.03	-81.1	1.3	0.3
6/16/2005	23:30:39	25.75	53.926	35.62	0.01	0	27.827	8.03	-80.9	1.3	0.4
6/17/2005	0:00:39	25.73	54.321	35.92	0.01	0	27.837	8.03	-81.0	1.2	0.4
6/17/2005	0:30:39	25.66	53.513	35.32	0.01	0	27.869	8.05	-81.9	1.3	0.5
6/17/2005	1:00:39	25.69	53.280	35.14	0.01	0	27.864	8.05	-81.8	1.4	0.3
6/17/2005	1:30:39	25.31	54.362	35.96	0.01	0	27.859	8.03	-80.6	1.3	0.3
6/17/2005	2:00:39	25.30	53.831	35.56	0.01	0	27.880	8.02	-80.3	1.2	0.5
6/17/2005	2:30:39	25.34	54.142	35.79	0.01	0	27.901	8.02	-80.3	1.2	0.4
6/17/2005	3:00:39	25.41	53.694	35.46	0.01	0	27.899	8.02	-80.2	1.3	0.4
6/17/2005	3:30:39	25.44	54.202	35.83	0.01	0	27.877	8.02	-80.1	1.3	0.4
6/17/2005	4:00:39	25.45	54.036	35.71	0.01	0	27.896	8.00	-79.4	1.3	0.3
6/17/2005	4:30:39	25.51	53.491	35.30	0.01	0	27.898	8.01	-79.8	1.3	0.3
6/17/2005	5:00:39	25.50	53.819	35.55	0.01	0	27.878	8.00	-79.2	1.3	0.4
6/17/2005	5:30:39	25.55	53.357	35.20	0.01	0	27.914	8.00	-79.3	1.3	0.6
6/17/2005	6:00:39	25.67	54.368	35.95	0.01	0	27.902	8.01	-79.6	1.4	0.4
6/17/2005	6:30:39	25.80	54.334	35.92	0.01	0	27.914	8.00	-79.2	4.9	0.3
6/17/2005	7:00:39	25.81	54.345	35.93	0.01	0	27.918	8.00	-79.0	15.6	0.4
6/17/2005	7:30:39	25.80	54.394	35.97	0.01	0	27.930	8.00	-79.3	30.1	0.3
6/17/2005	8:00:39	26.09	54.243	35.85	0.01	0	27.901	8.00	-79.5	47.8	0.4
6/17/2005	8:30:39	25.67	54.273	35.88	0.01	0	27.925	8.04	-81.3	70.2	0.4
6/17/2005	9:00:39	25.46	54.294	35.90	0.01	0	27.917	8.05	-82.0	90.4	0.3
6/17/2005	9:30:39	25.43	54.298	35.91	0.01	0	27.916	8.08	-83.4	113.8	0.4
6/17/2005	10:00:39	25.53	54.262	35.88	0.01	0	27.903	8.09	-84.2	141.3	0.4
6/17/2005	10:30:39	25.54	54.287	35.90	0.01	0	27.914	8.10	-84.7	183.1	0.4
6/17/2005	11:00:39	25.56	54.272	35.88	0.01	0	27.890	8.10	-85.0	200.6	0.4
6/17/2005	11:30:39	25.62	53.206	35.09	0.01	0	27.886	8.13	-86.4	221.2	0.6
6/17/2005	12:00:39	25.64	52.746	34.75	0.01	0	27.869	8.16	-88.1	242.9	0.5
6/17/2005	12:30:39	25.69	54.245	35.86	0.01	0	27.830	8.17	-89.2	236.0	0.4
6/17/2005	13:00:39	25.77	54.306	35.90	0.01	0	27.803	8.15	-88.0	270.4	0.5
6/17/2005	13:30:39	25.83	54.322	35.92	0.01	0	27.768	8.15	-87.8	281.8	0.4
6/17/2005	14:00:39	25.80	54.329	35.92	0.01	0	27.730	8.13	-86.4	84.2	0.5
6/17/2005	14:30:39	25.65	54.344	35.94	0.01	0	27.691	8.15	-87.8	321.9	0.3
6/17/2005	15:00:39	25.68	54.341	35.93	0.01	0	27.664	8.20	-90.8	264.4	0.5
6/17/2005	15:30:39	25.72	54.332	35.92	0.01	1	27.645	8.21	-91.3	209.9	0.4
6/17/2005	16:00:39	25.73	52.739	34.74	0.01	0	27.634	8.20	-90.6	194.1	0.6
6/17/2005	16:30:39	25.40	52.904	34.87	0.01	1	27.610	8.12	-86.1	169.9	0.3
6/17/2005	17:00:39	25.44	53.140	35.05	0.01	0	27.599	8.15	-87.9	142.1	0.4
6/17/2005	17:30:39	25.46	54.358	35.95	0.01	0	27.558	8.13	-86.6	113.6	0.4
6/17/2005	18:00:39	25.53	54.350	35.94	0.01	0	27.559	8.11	-85.3	83.3	0.6
6/17/2005	18:30:39	25.51	54.358	35.95	0.01	0	27.566	8.09	-84.2	53.1	2.3
6/17/2005	19:00:39	25.53	54.345	35.94	0.01	0	27.589	8.07	-83.3	32.4	0.4
6/17/2005	19:30:39	25.56	54.341	35.94	0.01	0	27.587	8.06	-82.6	15.5	0.6
6/17/2005	20:00:39	25.57	54.335	35.93	0.01	1	27.624	8.05	-82.2	5.3	0.5

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
6/17/2005	20:30:39	25.60	53.127	35.03	0.01	0	27.667	8.04	-81.6	1.5	0.5
6/17/2005	21:00:39	25.59	53.732	35.48	0.01	0	27.700	8.04	-81.5	1.4	0.4
6/17/2005	21:30:39	25.62	53.786	35.52	0.01	0	27.728	8.04	-81.4	1.5	0.4
6/17/2005	22:00:39	25.61	53.746	35.49	0.01	0	27.761	8.03	-81.0	1.5	0.6
6/17/2005	22:30:39	25.41	53.969	35.66	0.01	0	27.813	8.05	-82.0	1.4	0.4
6/17/2005	23:00:39	25.34	54.039	35.72	0.01	0	27.829	8.05	-82.0	1.3	0.3
6/17/2005	23:30:39	25.27	53.292	35.16	0.01	0	27.860	8.06	-82.3	1.5	0.4
6/18/2005	0:00:39	25.28	53.796	35.54	0.01	0	27.914	8.05	-81.9	1.4	0.4
6/18/2005	0:30:39	25.28	53.795	35.54	0.01	0	27.937	8.05	-81.8	1.5	0.4
6/18/2005	1:00:39	25.29	54.125	35.78	0.01	0	27.939	8.03	-80.9	1.3	0.5
6/18/2005	1:30:39	25.29	54.284	35.90	0.01	0	27.971	8.03	-81.1	1.3	0.3
6/18/2005	2:00:39	25.29	54.245	35.87	0.01	0	27.989	8.04	-81.1	1.5	0.4
6/18/2005	2:30:39	25.29	53.500	35.32	0.01	0	28.006	8.03	-81.0	1.5	0.6
6/18/2005	3:00:39	25.28	53.212	35.10	0.01	0	28.022	8.02	-80.3	1.4	0.3
6/18/2005	3:30:39	25.27	53.964	35.66	0.01	0	28.022	8.02	-80.6	1.4	0.5
6/18/2005	4:00:39	25.26	54.004	35.69	0.01	1	28.014	8.02	-80.4	1.4	0.4
6/18/2005	4:30:39	25.17	53.944	35.65	0.01	0	28.020	8.01	-79.8	1.5	0.4
6/18/2005	5:00:39	25.10	53.664	35.44	0.01	0	28.019	8.01	-79.9	1.5	0.4
6/18/2005	5:30:39	24.98	51.823	34.08	0.01	0	28.047	8.02	-80.0	1.4	0.6
6/18/2005	6:00:39	24.87	52.468	34.56	0.01	0	28.039	8.02	-80.3	1.5	0.6
6/18/2005	6:30:39	24.87	53.691	35.47	0.01	0	28.001	8.02	-80.1	4.1	0.4
6/18/2005	7:00:39	24.85	53.671	35.45	0.01	0	28.002	8.02	-80.4	11.7	0.3
6/18/2005	7:30:39	24.79	53.583	35.39	0.01	0	28.005	8.03	-80.7	24.2	0.4
6/18/2005	8:00:39	24.77	53.576	35.39	0.01	0	27.992	8.03	-80.6	41.0	0.4
6/18/2005	8:30:39	24.74	53.512	35.34	0.01	1	27.997	8.04	-81.3	60.3	0.5
6/18/2005	9:00:39	24.73	52.090	34.28	0.01	0	27.997	8.05	-81.7	82.5	0.6
6/18/2005	9:30:39	24.75	53.388	35.25	0.01	0	27.965	8.06	-82.3	103.0	0.4
6/18/2005	10:00:39	24.74	53.460	35.30	0.01	0	27.949	8.08	-83.6	128.2	0.5
6/18/2005	10:30:39	24.76	53.421	35.27	0.01	0	27.932	8.07	-82.8	144.6	0.6
6/18/2005	11:00:39	24.77	53.428	35.28	0.01	1	27.910	8.11	-85.5	171.6	0.4
6/18/2005	11:30:39	24.78	53.406	35.26	0.01	0	27.899	8.13	-86.4	217.4	0.4
6/18/2005	12:00:39	24.80	53.397	35.25	0.01	0	27.863	8.13	-86.6	206.3	0.4
6/18/2005	12:30:39	24.84	53.388	35.24	0.01	0	27.832	8.17	-88.4	196.9	0.6
6/18/2005	13:00:39	24.85	53.358	35.22	0.01	0	27.792	8.16	-88.1	216.2	0.4
6/18/2005	13:30:39	24.88	53.315	35.19	0.01	0	27.767	8.15	-87.6	243.2	0.4
6/18/2005	14:00:39	24.93	53.356	35.22	0.01	0	27.724	8.17	-88.5	246.4	0.3
6/18/2005	14:30:39	24.95	51.945	34.17	0.01	0	27.716	8.18	-89.1	228.7	0.5
6/18/2005	15:00:39	24.90	52.161	34.33	0.01	1	27.660	8.20	-90.6	213.6	0.4
6/18/2005	15:30:39	24.93	51.966	34.19	0.01	0	27.628	8.22	-91.4	219.2	0.5
6/18/2005	16:00:39	24.88	52.458	34.55	0.01	0	27.580	8.23	-91.9	187.3	0.3
6/18/2005	16:30:39	24.90	52.178	34.35	0.01	0	27.553	8.21	-91.0	153.9	0.3
6/18/2005	17:00:39	24.93	52.289	34.43	0.01	0	27.530	8.17	-88.9	124.6	0.4
6/18/2005	17:30:39	24.92	52.341	34.47	0.01	0	27.531	8.13	-86.6	102.4	0.4
6/18/2005	18:00:39	24.71	53.798	35.55	0.01	0	27.469	8.11	-85.2	74.0	0.5
6/18/2005	18:30:39	24.70	53.774	35.53	0.01	0	27.496	8.10	-84.9	46.3	0.4
6/18/2005	19:00:39	24.70	53.780	35.54	0.01	0	27.485	8.09	-84.2	29.0	0.4
6/18/2005	19:30:39	24.68	53.735	35.50	0.01	0	27.489	8.08	-83.7	14.6	0.6
6/18/2005	20:00:39	24.69	53.741	35.51	0.01	0	27.508	8.07	-83.0	5.2	0.6
6/18/2005	20:30:39	24.70	52.527	34.61	0.01	0	27.564	8.06	-82.6	1.5	0.5
6/18/2005	21:00:39	24.70	52.187	34.36	0.01	0	27.600	8.06	-82.5	1.4	0.4
6/18/2005	21:30:39	24.71	52.960	34.93	0.01	0	27.635	8.05	-81.8	1.4	0.5
6/18/2005	22:00:39	24.68	53.276	35.16	0.01	0	27.666	8.06	-82.4	1.4	0.5
6/18/2005	22:30:39	24.69	52.710	34.74	0.01	1	27.750	8.04	-81.4	1.4	0.3
6/18/2005	23:00:39	24.72	53.020	34.97	0.01	0	27.788	8.04	-81.1	1.4	0.4
6/18/2005	23:30:39	24.71	52.828	34.83	0.01	0	27.827	8.04	-81.1	1.4	0.4
6/19/2005	0:00:39	24.71	52.418	34.53	0.01	0	27.887	8.03	-80.7	1.4	0.4
6/19/2005	0:30:39	24.66	52.462	34.56	0.01	0	27.927	8.04	-81.3	1.3	0.4
6/19/2005	1:00:39	24.68	52.798	34.81	0.01	0	27.955	8.03	-80.8	1.3	0.4
6/19/2005	1:30:39	24.69	52.869	34.86	0.01	0	27.984	8.02	-80.4	1.3	0.4
6/19/2005	2:00:39	24.70	52.861	34.86	0.01	0	28.030	8.02	-80.4	1.5	0.4
6/19/2005	2:30:39	24.71	52.789	34.80	0.01	0	28.030	8.02	-80.1	1.6	0.4
6/19/2005	3:00:39	24.74	52.613	34.67	0.01	0	28.039	8.02	-80.2	1.4	0.4
6/19/2005	3:30:39	24.76	52.457	34.56	0.01	0	28.061	8.07	-82.9	1.5	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/19/2005	4:00:39	24.80	52.894	34.88	0.01	1	28.063	8.09	-84.0	1.4	0.4
6/19/2005	4:30:39	24.83	52.638	34.69	0.01	0	28.075	8.09	-83.9	1.4	0.3
6/19/2005	5:00:39	24.86	52.714	34.74	0.01	0	28.067	8.08	-83.7	1.4	0.4
6/19/2005	5:30:39	24.87	52.439	34.54	0.01	0	28.078	8.08	-83.4	1.4	0.6
6/19/2005	6:00:39	24.86	53.613	35.41	0.01	0	28.054	8.07	-83.0	1.4	0.6
6/19/2005	6:30:39	24.86	53.608	35.41	0.01	1	28.061	8.05	-82.1	3.7	0.4
6/19/2005	7:00:39	24.87	53.529	35.35	0.01	0	28.046	8.07	-83.3	12.2	0.4
6/19/2005	7:30:39	24.87	53.495	35.32	0.01	0	28.044	8.08	-83.4	27.2	0.4
6/19/2005	8:00:39	24.88	53.482	35.31	0.01	0	28.028	8.08	-83.6	44.3	0.6
6/19/2005	8:30:39	24.88	53.451	35.29	0.01	0	28.017	8.08	-83.9	71.0	0.4
6/19/2005	9:00:39	24.89	52.190	34.35	0.01	0	28.024	8.09	-83.9	87.9	0.4
6/19/2005	9:30:39	24.89	52.338	34.46	0.01	1	28.014	8.08	-83.6	59.4	0.5
6/19/2005	10:00:39	24.90	53.430	35.27	0.01	1	27.971	8.08	-83.9	82.0	0.5
6/19/2005	10:30:39	24.91	53.417	35.26	0.01	0	27.941	8.09	-84.0	59.2	0.4
6/19/2005	11:00:39	24.91	52.231	34.38	0.01	0	27.940	8.10	-84.8	104.1	0.4
6/19/2005	11:30:39	24.92	52.346	34.47	0.01	1	27.920	8.12	-86.1	144.8	0.4
6/19/2005	12:00:39	24.96	52.045	34.25	0.01	0	27.889	8.17	-88.5	208.3	0.4
6/19/2005	12:30:39	25.00	52.102	34.29	0.01	0	27.845	8.19	-89.9	237.2	0.5
6/19/2005	13:00:39	24.93	52.265	34.41	0.01	0	27.793	8.18	-89.2	260.8	0.5
6/19/2005	13:30:39	24.97	51.547	33.88	0.01	0	27.772	8.18	-89.2	254.6	0.5
6/19/2005	14:00:39	24.89	53.406	35.26	0.01	0	27.695	8.16	-88.4	238.9	0.5
6/19/2005	14:30:39	24.83	53.478	35.31	-0.88	0	27.656	8.16	-88.3	240.8	0.6
6/19/2005	15:00:39	24.82	53.566	35.38	-0.73	0	27.600	8.18	-89.5	240.8	0.5
6/19/2005	15:30:39	24.84	53.565	35.37	-0.69	0	27.559	8.26	-93.6	191.0	0.3
6/19/2005	16:00:39	24.85	53.578	35.38	-0.66	0	27.513	8.24	-92.5	184.7	0.6
6/19/2005	16:30:39	24.75	53.832	35.58	-0.63	0	27.474	8.16	-88.0	161.7	0.4
6/19/2005	17:00:39	24.67	52.562	34.63	-0.58	0	27.456	8.14	-87.0	139.4	0.5
6/19/2005	17:30:39	24.68	53.967	35.68	-0.54	1	27.419	8.15	-87.6	89.7	0.5
6/19/2005	18:00:39	24.69	53.957	35.67	-0.51	0	27.375	8.14	-86.9	67.0	0.6
6/19/2005	18:30:39	24.69	52.769	34.79	-0.48	0	27.390	8.11	-85.4	38.8	0.4
6/19/2005	19:00:39	24.70	53.923	35.64	-0.46	0	27.361	8.10	-84.8	33.5	0.6
6/19/2005	19:30:39	24.71	53.916	35.64	-0.44	0	27.382	8.09	-83.9	13.4	0.6
6/19/2005	20:00:39	24.71	53.912	35.64	-0.43	0	27.394	8.08	-83.4	5.1	0.5
6/19/2005	20:30:39	24.72	53.892	35.62	-0.42	0	27.413	8.07	-82.9	1.5	0.6
6/19/2005	21:00:39	24.72	53.787	35.54	-0.41	0	27.449	8.07	-82.9	1.4	0.4
6/19/2005	21:30:39	24.73	53.035	34.98	-0.41	0	27.513	8.06	-82.4	1.4	0.6
6/19/2005	22:00:39	24.74	52.698	34.73	-0.40	0	27.563	8.05	-82.0	1.4	0.3
6/19/2005	22:30:39	24.70	52.576	34.64	-0.39	0	27.628	8.06	-82.6	1.4	0.4
6/19/2005	23:00:39	24.71	52.747	34.77	-0.39	0	27.679	8.09	-84.0	1.4	0.6
6/19/2005	23:30:39	24.71	53.275	35.16	-0.38	0	27.732	8.07	-82.9	1.5	0.6
6/20/2005	0:00:39	24.71	53.306	35.19	-0.38	0	27.789	8.06	-82.6	1.5	0.4
6/20/2005	0:30:39	24.72	53.349	35.22	-0.37	0	27.859	8.06	-82.2	1.3	0.4
6/20/2005	1:00:39	24.72	53.098	35.03	-0.37	0	27.916	8.05	-81.7	1.4	0.4
6/20/2005	1:30:39	24.73	53.004	34.96	-0.36	1	27.972	8.03	-80.9	1.4	0.6
6/20/2005	2:00:39	24.74	52.489	34.58	-0.36	0	28.019	8.03	-80.7	1.4	0.4
6/20/2005	2:30:39	24.74	53.528	35.35	-0.35	0	28.030	8.03	-80.6	1.4	0.5
6/20/2005	3:00:39	24.73	52.478	34.57	-0.35	0	28.098	8.03	-81.0	1.4	0.5
6/20/2005	3:30:39	24.73	53.363	35.23	-0.35	0	28.110	8.04	-81.1	1.5	0.4
6/20/2005	4:00:39	24.74	53.334	35.21	-0.35	0	28.127	8.03	-80.4	1.4	0.4
6/20/2005	4:30:39	24.76	52.230	34.39	-0.34	1	28.157	8.01	-79.7	1.4	0.4
6/20/2005	5:00:39	24.77	53.171	35.08	-0.34	0	28.151	8.03	-80.9	1.5	0.4
6/20/2005	5:30:39	24.99	52.571	34.63	-0.35	0	28.179	8.08	-83.7	1.4	0.9
6/20/2005	6:00:39	25.08	52.863	34.85	-0.34	0	28.182	8.09	-84.2	1.5	0.4
6/20/2005	6:30:39	25.03	53.749	35.51	-0.34	0	28.159	8.09	-84.2	3.7	0.4
6/20/2005	7:00:39	25.01	52.388	34.50	-0.33	0	28.172	8.09	-84.5	10.7	0.6
6/20/2005	7:30:39	25.12	53.724	35.49	-0.33	0	28.158	8.10	-84.8	25.4	0.4
6/20/2005	8:00:39	25.13	53.706	35.47	-0.33	0	28.141	8.10	-84.7	42.0	0.4
6/20/2005	8:30:39	25.15	53.723	35.49	-0.33	0	28.127	8.10	-84.8	58.9	0.4
6/20/2005	9:00:39	25.10	53.665	35.44	-0.33	0	28.104	8.10	-84.7	84.5	0.6
6/20/2005	9:30:39	24.98	53.585	35.39	-0.32	0	28.088	8.10	-84.7	106.4	0.4
6/20/2005	10:00:39	24.88	53.525	35.34	-0.32	0	28.075	8.10	-84.7	130.7	0.5
6/20/2005	10:30:39	24.80	53.470	35.31	-0.31	1	28.048	8.11	-85.4	146.5	0.4
6/20/2005	11:00:39	24.79	53.408	35.26	-0.31	0	28.025	8.11	-85.3	164.4	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
6/20/2005	11:30:39	24.76	53.354	35.22	-0.31	0	27.990	8.13	-86.5	188.3	0.4
6/20/2005	12:00:39	24.73	53.317	35.19	-0.31	0	27.950	8.12	-85.7	197.8	0.4
6/20/2005	12:30:39	24.77	53.310	35.19	-0.31	0	27.910	8.14	-87.1	237.5	0.5
6/20/2005	13:00:39	24.81	53.311	35.19	-0.31	0	27.874	8.14	-86.9	124.8	0.4
6/20/2005	13:30:39	24.84	53.306	35.18	-0.31	0	27.828	8.16	-88.4	133.4	0.5
6/20/2005	14:00:39	24.89	53.299	35.18	-0.31	0	27.782	8.16	-88.3	103.3	0.4
6/20/2005	14:30:39	24.91	53.329	35.20	-0.30	0	27.733	8.19	-90.1	218.5	0.5
6/20/2005	15:00:39	24.91	53.317	35.19	-0.30	0	27.670	8.21	-90.8	207.0	0.5
6/20/2005	15:30:39	24.92	53.309	35.18	-0.30	0	27.619	8.20	-90.5	199.8	0.5
6/20/2005	16:00:39	24.94	53.304	35.18	-0.30	0	27.560	8.19	-90.1	178.9	0.4
6/20/2005	16:30:39	24.95	53.379	35.23	-0.30	0	27.510	8.16	-88.2	144.4	0.6
6/20/2005	17:00:39	24.87	53.572	35.38	-0.30	1	27.460	8.13	-86.4	128.7	0.5
6/20/2005	17:30:39	24.90	53.571	35.38	-0.30	0	27.415	8.13	-86.5	103.0	0.4
6/20/2005	18:00:39	24.90	53.568	35.38	-0.30	0	27.383	8.12	-85.8	69.1	0.5
6/20/2005	18:30:39	24.91	53.558	35.37	-0.30	0	27.361	8.11	-85.2	48.7	0.4
6/20/2005	19:00:39	24.94	53.515	35.34	-0.30	1	27.333	8.10	-84.5	29.5	0.4
6/20/2005	19:30:39	24.95	53.505	35.33	-0.29	0	27.313	8.09	-84.0	14.6	0.4
6/20/2005	20:00:39	24.92	53.527	35.35	-0.30	0	27.330	8.07	-83.3	4.8	0.4
6/20/2005	20:30:39	24.89	52.251	34.40	-0.29	0	27.354	8.07	-83.0	1.4	0.6
6/20/2005	21:00:39	24.89	52.485	34.57	-0.30	0	27.378	8.07	-82.9	1.3	0.4
6/20/2005	21:30:39	24.90	52.608	34.66	-0.30	0	27.400	8.06	-82.6	1.4	0.3
6/20/2005	22:00:39	24.90	52.783	34.79	-0.30	1	27.445	8.06	-82.3	1.4	0.4
6/20/2005	22:30:39	24.92	52.551	34.62	-0.97	0	27.499	8.06	-82.2	1.3	0.4
6/20/2005	23:00:39	24.82	53.350	35.22	-1.12	0	27.556	8.03	-80.7	1.4	0.5
6/20/2005	23:30:39	24.74	53.365	35.23	-1.07	0	27.603	8.04	-81.5	1.4	0.4
6/21/2005	0:00:39	24.96	53.138	35.06	-1.10	0	27.684	8.08	-83.4	1.5	0.5
6/21/2005	0:30:39	24.94	53.155	35.07	-1.10	0	27.741	8.07	-83.3	1.4	0.4
6/21/2005	1:00:39	24.92	53.308	35.18	-1.12	0	27.810	8.08	-83.6	1.5	0.4
6/21/2005	1:30:39	24.83	53.875	35.61	-1.12	0	27.870	8.07	-82.8	1.4	0.4
6/21/2005	2:00:39	24.86	52.310	34.44	-1.14	0	27.949	8.07	-83.0	1.4	0.4
6/21/2005	2:30:39	24.34	53.722	35.50	-1.12	0	27.971	8.08	-83.3	1.4	0.3
6/21/2005	3:00:39	24.29	52.560	34.64	-1.09	0	28.039	8.08	-83.6	1.4	1.8
6/21/2005	3:30:39	24.30	52.687	34.73	-1.08	0	28.073	8.07	-83.2	1.4	0.6
6/21/2005	4:00:39	24.33	52.879	34.88	-1.07	0	28.101	8.08	-83.3	1.4	0.4
6/21/2005	4:30:39	24.35	53.342	35.22	-1.07	0	28.126	8.07	-83.2	1.3	0.4
6/21/2005	5:00:39	24.36	53.397	35.26	-1.08	0	28.139	8.07	-82.8	1.4	0.6
6/21/2005	5:30:39	24.42	53.692	35.48	-1.08	0	28.146	8.06	-82.5	1.4	0.4
6/21/2005	6:00:39	24.45	52.431	34.54	-1.09	0	28.186	8.05	-82.1	1.3	0.4
6/21/2005	6:30:39	24.53	53.785	35.55	-1.10	0	28.175	8.05	-81.7	3.7	0.5
6/21/2005	7:00:39	24.59	53.764	35.53	-1.09	0	28.161	8.05	-81.6	10.4	0.6
6/21/2005	7:30:39	24.65	53.724	35.50	-1.09	0	28.184	8.05	-81.6	22.5	0.4
6/21/2005	8:00:39	24.60	53.783	35.54	-1.12	0	28.158	8.05	-81.6	39.0	0.6
6/21/2005	8:30:39	24.71	53.609	35.41	-1.11	0	28.154	8.05	-81.7	31.6	0.6
6/21/2005	9:00:39	24.78	53.381	35.24	-1.12	0	28.154	8.10	-84.8	52.7	0.6
6/21/2005	9:30:39	24.84	53.423	35.27	-1.15	0	28.134	8.11	-85.1	69.0	0.5
6/21/2005	10:00:39	25.36	53.818	35.55	-1.16	0	28.125	8.12	-86.0	111.4	0.4
6/21/2005	10:30:39	25.56	53.929	35.63	-1.22	0	28.104	8.12	-85.9	147.6	0.3
6/21/2005	11:00:39	25.56	53.903	35.61	-1.25	1	28.085	8.11	-85.6	74.0	0.4
6/21/2005	11:30:39	25.81	53.993	35.67	-1.28	0	28.069	8.12	-86.4	195.1	0.4
6/21/2005	12:00:39	25.84	54.018	35.69	-1.31	0	28.034	8.12	-85.8	195.9	0.4
6/21/2005	12:30:39	25.84	53.976	35.66	-1.29	0	28.000	8.13	-86.4	202.4	0.4
6/21/2005	13:00:39	25.81	53.893	35.60	-1.31	0	27.974	8.12	-86.4	230.3	0.6
6/21/2005	13:30:39	25.75	53.777	35.51	-1.32	0	27.926	8.12	-85.9	230.0	0.3
6/21/2005	14:00:39	25.72	53.718	35.47	-1.28	1	27.888	8.13	-86.4	211.5	0.4
6/21/2005	14:30:39	25.69	53.669	35.43	-1.28	0	27.820	8.13	-86.5	215.4	0.3
6/21/2005	15:00:39	25.69	53.635	35.41	-1.26	0	27.764	8.13	-86.7	184.4	0.3
6/21/2005	15:30:39	25.67	53.578	35.37	-1.29	0	27.720	8.19	-89.9	187.9	0.4
6/21/2005	16:00:39	25.60	53.468	35.29	-1.29	0	27.648	8.16	-88.4	156.5	0.5
6/21/2005	16:30:39	25.62	53.474	35.29	-1.28	0	27.585	8.19	-89.8	134.4	0.3
6/21/2005	17:00:39	25.62	53.592	35.38	-1.27	0	27.527	8.14	-87.3	99.7	0.3
6/21/2005	17:30:39	25.61	53.688	35.45	-1.30	0	27.467	8.13	-86.5	66.1	0.5
6/21/2005	18:00:39	25.44	53.822	35.55	-1.29	0	27.409	8.10	-84.8	53.8	0.4
6/21/2005	18:30:39	25.44	53.832	35.56	-1.27	0	27.385	8.09	-84.5	35.0	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/21/2005	19:00:39	25.44	53.826	35.56	-1.24	0	27.352	8.09	-84.2	26.7	0.4
6/21/2005	19:30:39	25.46	53.800	35.54	-1.27	0	27.333	8.08	-83.6	14.2	0.3
6/21/2005	20:00:39	25.45	53.802	35.54	-1.25	0	27.307	8.07	-82.9	4.9	0.3
6/21/2005	20:30:39	25.46	53.795	35.53	-1.33	0	27.302	8.06	-82.8	1.6	0.6
6/21/2005	21:00:39	25.46	52.840	34.82	-1.33	0	27.340	8.06	-82.7	1.4	0.4
6/21/2005	21:30:39	25.47	52.556	34.61	-1.31	0	27.362	8.05	-82.2	1.4	0.4
6/21/2005	22:00:39	25.47	52.665	34.69	-1.30	0	27.398	8.05	-81.8	1.5	0.4
6/21/2005	22:30:39	25.35	53.013	34.95	-1.31	0	27.427	8.06	-82.3	1.5	0.5
6/21/2005	23:00:39	25.39	51.563	33.88	-1.30	0	27.496	8.05	-81.8	1.4	1.5
6/21/2005	23:30:39	25.39	52.201	34.35	-1.31	0	27.528	8.05	-82.0	1.4	0.4
6/22/2005	0:00:39	25.37	50.765	33.29	-1.31	0	27.650	8.07	-82.9	1.3	0.3
6/22/2005	0:30:39	25.34	52.350	34.46	-1.31	0	27.680	8.06	-82.8	1.4	0.3
6/22/2005	1:00:39	25.25	52.565	34.62	-1.29	0	27.726	8.07	-83.3	1.4	0.6
6/22/2005	1:30:39	24.99	52.769	34.78	-1.26	0	27.802	8.08	-83.7	1.4	0.4
6/22/2005	2:00:39	24.95	52.241	34.39	-1.24	0	27.878	8.08	-83.8	1.4	0.4
6/22/2005	2:30:39	24.91	53.142	35.06	-1.24	0	27.943	8.09	-84.2	1.4	0.5
6/22/2005	3:00:39	24.92	52.926	34.90	-1.24	0	28.021	8.08	-83.8	1.5	0.5
6/22/2005	3:30:39	24.92	52.499	34.58	-1.24	0	28.063	8.08	-83.5	1.5	0.5
6/22/2005	4:00:39	24.71	52.873	34.86	-1.23	0	28.102	8.07	-82.9	1.4	0.5
6/22/2005	4:30:39	24.75	52.983	34.94	-1.21	0	28.160	8.08	-83.4	1.4	0.4
6/22/2005	5:00:39	24.69	53.149	35.07	-1.20	0	28.192	8.07	-83.0	1.4	0.4
6/22/2005	5:30:39	24.72	53.110	35.04	-1.21	0	28.201	8.07	-83.1	1.5	0.5
6/22/2005	6:00:39	24.74	54.256	35.89	-1.22	0	28.197	8.06	-82.7	1.5	0.4
6/22/2005	6:30:39	24.76	54.257	35.89	-1.21	0	28.231	8.06	-82.5	3.2	0.4
6/22/2005	7:00:39	24.80	54.232	35.87	-1.21	0	28.250	8.06	-82.3	9.5	0.4
6/22/2005	7:30:39	24.80	54.234	35.87	-1.22	0	28.252	8.05	-81.8	20.4	0.6
6/22/2005	8:00:39	24.88	54.187	35.84	-1.22	0	28.239	8.05	-81.8	34.3	0.5
6/22/2005	8:30:39	24.86	54.193	35.84	-1.22	0	28.258	8.04	-81.5	48.2	0.7
6/22/2005	9:00:39	24.97	54.112	35.78	-1.22	0	28.237	8.04	-81.6	67.4	0.5
6/22/2005	9:30:39	25.26	54.011	35.70	-1.24	0	28.221	8.06	-82.8	39.4	0.4
6/22/2005	10:00:39	25.43	53.976	35.67	-1.28	0	28.223	8.08	-83.9	113.3	0.4
6/22/2005	10:30:39	25.70	53.926	35.62	-1.31	0	28.185	8.10	-85.1	144.7	0.4
6/22/2005	11:00:39	26.01	53.979	35.65	-1.32	0	28.178	8.12	-85.9	116.4	0.6
6/22/2005	11:30:39	26.10	54.020	35.68	-1.38	0	28.133	8.12	-86.4	167.5	0.4
6/22/2005	12:00:39	26.22	54.022	35.68	-1.40	0	28.130	8.14	-87.5	200.1	0.3
6/22/2005	12:30:39	26.32	53.960	35.63	-1.42	0	28.096	8.14	-87.2	232.2	0.3
6/22/2005	13:00:39	26.39	54.105	35.74	-1.44	0	28.058	8.12	-86.3	227.3	0.4
6/22/2005	13:30:39	26.39	54.174	35.79	-1.41	0	28.031	8.12	-86.3	227.2	11.0
6/22/2005	14:00:39	26.33	54.208	35.82	-1.43	0	27.964	8.13	-86.5	222.3	0.4
6/22/2005	14:30:39	26.30	54.225	35.83	-1.42	0	27.922	8.12	-86.2	205.8	0.4
6/22/2005	15:00:39	26.25	54.243	35.84	-1.41	0	27.880	8.13	-86.5	199.7	0.6
6/22/2005	15:30:39	26.27	54.239	35.84	-1.37	0	27.799	8.14	-87.3	182.9	0.4
6/22/2005	16:00:39	26.29	54.204	35.81	-1.36	0	27.740	8.14	-87.4	156.0	0.4
6/22/2005	16:30:39	26.28	54.136	35.76	-1.36	0	27.688	8.12	-86.1	159.7	0.4
6/22/2005	17:00:39	26.27	54.047	35.70	-1.36	0	27.615	8.12	-86.2	113.0	0.4
6/22/2005	17:30:39	26.18	53.914	35.60	-1.37	0	27.561	8.09	-84.7	80.0	0.4
6/22/2005	18:00:39	26.14	53.822	35.53	-1.33	0	27.496	8.09	-84.2	42.5	0.3
6/22/2005	18:30:39	26.01	53.585	35.36	-1.27	0	27.462	8.08	-84.0	22.1	0.5
6/22/2005	19:00:39	25.92	53.402	35.23	-1.26	0	27.394	8.08	-83.7	18.3	0.3
6/22/2005	19:30:39	25.88	51.696	33.97	-1.26	0	27.383	8.08	-83.6	11.8	0.4
6/22/2005	20:00:39	25.92	52.103	34.27	-1.23	0	27.353	8.07	-83.4	4.6	0.4
6/22/2005	20:30:39	25.92	51.208	33.60	-1.26	0	27.335	8.07	-83.0	1.5	0.3
6/22/2005	21:00:39	25.90	52.990	34.92	-1.19	0	27.301	8.06	-82.8	1.4	0.4
6/22/2005	21:30:39	25.94	51.987	34.18	-0.98	0	27.327	8.07	-83.2	1.4	0.6
6/22/2005	22:00:39	25.93	52.716	34.72	-0.98	0	27.297	8.06	-82.9	1.4	0.4
6/22/2005	22:30:39	25.93	52.202	34.34	-0.98	0	27.328	8.06	-82.6	1.4	0.3
6/22/2005	23:00:39	25.93	52.225	34.36	-0.97	0	27.365	8.06	-82.5	1.4	0.5
6/22/2005	23:30:39	25.92	52.260	34.38	-0.97	0	27.416	8.05	-82.0	1.4	0.4
6/23/2005	0:00:39	25.92	53.477	35.28	-0.95	0	27.472	8.04	-81.5	1.4	0.7
6/23/2005	0:30:39	25.91	51.639	33.92	-0.96	0	27.541	8.03	-80.9	1.4	0.3
6/23/2005	1:00:39	25.92	53.075	34.99	-0.94	0	27.624	8.04	-81.3	1.5	0.3
6/23/2005	1:30:39	25.91	52.334	34.44	-0.94	0	27.705	8.03	-80.7	1.4	0.4
6/23/2005	2:00:39	25.80	54.151	35.79	-0.95	0	27.737	8.04	-81.8	1.4	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/23/2005	2:30:39	25.86	53.673	35.43	-0.91	0	27.792	8.06	-82.6	1.4	0.3
6/23/2005	3:00:39	25.91	53.576	35.36	-0.91	0	27.913	8.06	-82.8	1.4	0.4
6/23/2005	3:30:39	25.25	53.364	35.22	-0.95	0	27.953	8.06	-82.8	1.4	0.4
6/23/2005	4:00:39	25.04	53.434	35.27	-0.87	0	28.037	8.07	-83.3	1.5	0.4
6/23/2005	4:30:39	25.04	53.654	35.44	-0.84	0	28.078	8.08	-83.5	1.5	0.3
6/23/2005	5:00:39	25.08	52.147	34.32	-1.09	0	28.104	8.07	-82.9	1.4	0.3
6/23/2005	5:30:39	25.09	53.698	35.47	-1.25	0	28.142	8.06	-82.6	1.4	0.6
6/23/2005	6:00:39	25.14	52.499	34.58	-1.31	0	28.191	8.06	-82.3	1.6	0.4
6/23/2005	6:30:39	25.12	54.205	35.85	-1.34	0	28.186	8.06	-82.6	3.4	0.5
6/23/2005	7:00:39	25.09	54.198	35.84	-1.36	0	28.234	8.06	-82.8	8.9	0.6
6/23/2005	7:30:39	25.02	54.215	35.85	-1.37	1	28.248	8.08	-83.7	20.3	0.4
6/23/2005	8:00:39	25.04	54.237	35.87	-1.38	0	28.241	8.08	-83.6	20.3	0.3
6/23/2005	8:30:39	25.00	54.249	35.88	-1.45	0	28.239	8.08	-83.8	49.7	0.5
6/23/2005	9:00:39	25.03	54.246	35.88	-1.45	0	28.253	8.07	-83.3	29.1	0.4
6/23/2005	9:30:39	25.05	54.234	35.87	-1.51	0	28.254	8.09	-84.1	89.3	0.4
6/23/2005	10:00:39	25.09	54.222	35.86	-1.52	0	28.259	8.09	-84.5	96.9	0.4
6/23/2005	10:30:39	25.16	54.224	35.86	-1.55	0	28.212	8.10	-84.7	138.5	0.4
6/23/2005	11:00:39	25.17	54.215	35.85	-1.56	0	28.247	8.11	-85.1	139.2	0.4
6/23/2005	11:30:39	25.24	54.207	35.84	-1.57	0	28.155	8.11	-85.1	172.1	0.3
6/23/2005	12:00:39	25.26	54.202	35.84	-1.59	0	28.148	8.12	-86.1	173.8	0.7
6/23/2005	12:30:39	25.32	54.201	35.84	-1.60	0	28.154	8.15	-87.4	189.4	0.4
6/23/2005	13:00:39	25.95	54.153	35.79	-1.59	0	28.135	8.15	-87.8	193.3	0.3
6/23/2005	13:30:39	26.25	54.167	35.79	-1.67	0	28.134	8.15	-88.0	207.4	0.4
6/23/2005	14:00:39	26.26	54.163	35.79	-1.74	0	28.096	8.16	-88.3	147.3	0.4
6/23/2005	14:30:39	26.26	54.155	35.78	-2.73	0	28.016	8.16	-88.3	179.2	0.4
6/23/2005	15:00:39	26.27	54.143	35.77	-2.76	0	28.025	8.16	-88.7	197.6	0.5
6/23/2005	15:30:39	26.20	54.163	35.79	-2.76	0	27.968	8.13	-87.0	183.8	0.3
6/23/2005	16:00:39	26.23	54.162	35.79	-2.74	0	27.878	8.16	-88.3	145.9	0.3
6/23/2005	16:30:39	26.24	54.164	35.79	-2.73	0	27.781	8.14	-87.5	135.8	0.4
6/23/2005	17:00:39	26.34	54.142	35.77	-2.71	0	27.751	8.11	-85.4	41.0	0.4
6/23/2005	17:30:39	26.26	54.149	35.78	-2.70	0	27.732	8.12	-86.0	84.0	0.3
6/23/2005	18:00:39	26.37	54.121	35.75	-2.69	0	27.621	8.10	-85.3	59.3	0.3
6/23/2005	18:30:39	26.51	54.032	35.68	-2.72	0	27.573	8.10	-84.8	43.8	0.3
6/23/2005	19:00:39	26.45	54.026	35.68	-2.74	0	27.514	8.08	-83.9	27.3	0.3
6/23/2005	19:30:39	26.47	54.010	35.67	-2.74	0	27.480	8.08	-83.7	12.2	4.0
6/23/2005	20:00:39	26.47	53.966	35.63	-2.75	0	27.412	8.07	-83.3	5.0	0.4
6/23/2005	20:30:39	26.47	53.846	35.54	-2.76	1	27.427	8.06	-83.1	1.6	0.4
6/23/2005	21:00:39	26.42	53.506	35.29	-2.77	0	27.362	8.04	-81.9	1.6	0.3
6/23/2005	21:30:39	26.43	52.994	34.91	-2.77	1	27.359	8.05	-82.1	1.5	0.4
6/23/2005	22:00:39	26.40	52.845	34.80	-2.79	0	27.293	8.04	-81.4	1.5	0.4
6/23/2005	22:30:39	26.40	52.540	34.58	-2.80	0	27.381	8.03	-81.1	1.6	0.4
6/23/2005	23:00:39	26.47	53.068	34.97	-2.80	0	27.347	8.06	-82.9	1.5	0.3
6/23/2005	23:30:39	26.51	53.417	35.22	-2.82	0	27.375	8.06	-83.1	1.4	0.3
6/24/2005	0:00:39	26.47	53.231	35.09	-2.88	0	27.427	8.04	-81.8	1.4	0.3
6/24/2005	0:30:39	26.46	52.822	34.78	-2.89	0	27.437	8.04	-81.9	1.5	0.3
6/24/2005	1:00:39	26.45	53.409	35.22	-2.89	0	27.489	8.04	-81.4	1.5	0.4
6/24/2005	1:30:39	26.46	52.924	34.86	-2.89	0	27.528	8.03	-81.3	1.5	0.3
6/24/2005	2:00:39	26.44	53.347	35.17	-2.95	0	27.585	8.03	-81.1	1.5	0.4
6/24/2005	2:30:39	26.43	53.410	35.22	-2.95	0	27.661	8.03	-81.2	1.4	0.3
6/24/2005	3:00:39	26.43	53.238	35.09	-2.95	0	27.741	8.02	-80.7	1.5	0.3
6/24/2005	3:30:39	25.95	53.398	35.22	-2.99	0	27.795	8.03	-81.1	1.5	0.4
6/24/2005	4:00:39	25.71	53.865	35.58	-2.83	0	27.838	8.05	-82.2	1.5	0.4
6/24/2005	4:30:39	25.54	53.524	35.33	-2.76	0	27.917	8.05	-82.2	1.4	0.4
6/24/2005	5:00:39	25.38	54.162	35.81	-2.68	0	27.947	8.06	-82.6	1.4	0.4
6/24/2005	5:30:39	25.30	53.705	35.47	-2.63	0	28.021	8.06	-82.5	1.4	0.4
6/24/2005	6:00:39	25.09	53.422	35.26	-2.59	0	28.096	8.06	-82.7	1.5	0.3
6/24/2005	6:30:39	25.13	54.408	36.00	-2.51	0	28.074	8.07	-83.2	3.5	0.4
6/24/2005	7:00:39	25.15	54.402	35.99	-2.50	0	28.113	8.08	-83.5	9.2	0.4
6/24/2005	7:30:39	25.19	54.383	35.98	-2.49	0	28.184	8.06	-82.8	18.0	0.9
6/24/2005	8:00:39	25.18	54.389	35.98	-2.50	0	28.165	8.07	-83.3	16.5	0.4
6/24/2005	8:30:39	25.22	54.378	35.97	-2.49	0	28.188	8.07	-83.3	49.8	0.5
6/24/2005	9:00:39	25.24	54.373	35.97	-2.50	0	28.237	8.08	-83.5	65.3	0.4
6/24/2005	9:30:39	25.29	54.363	35.96	-2.52	0	28.222	8.08	-83.7	81.5	0.4

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
6/24/2005	10:00:39	25.30	54.361	35.96	-2.53	0	28.195	8.09	-84.2	105.9	0.3
6/24/2005	10:30:39	25.36	54.361	35.96	-2.55	0	28.181	8.09	-84.0	135.5	0.3
6/24/2005	11:00:39	25.41	54.333	35.93	-2.56	0	28.162	8.09	-84.3	144.1	0.4
6/24/2005	11:30:39	25.41	54.338	35.94	-2.58	1	28.204	8.11	-85.3	151.9	0.4
6/24/2005	12:00:39	25.46	54.329	35.93	-2.59	0	28.193	8.13	-86.8	169.2	0.4
6/24/2005	12:30:39	25.50	54.316	35.92	-2.61	0	28.159	8.14	-87.0	185.0	0.2
6/24/2005	13:00:39	25.59	54.290	35.90	-2.63	0	28.141	8.13	-86.7	200.2	0.3
6/24/2005	13:30:39	25.59	54.301	35.91	-2.63	0	28.099	8.12	-86.1	73.5	0.6
6/24/2005	14:00:39	25.63	54.296	35.90	-2.63	0	28.094	8.15	-87.6	201.4	0.3
6/24/2005	14:30:39	25.66	54.286	35.89	-2.64	0	28.052	8.14	-87.1	172.1	0.4
6/24/2005	15:00:39	25.73	54.273	35.88	-2.66	0	28.025	8.15	-87.6	102.5	0.4
6/24/2005	15:30:39	26.30	54.079	35.72	-2.69	0	28.014	8.18	-89.4	152.1	0.3
6/24/2005	16:00:39	26.46	53.957	35.63	-2.77	0	27.965	8.14	-87.5	144.7	0.3
6/24/2005	16:30:39	26.30	53.902	35.59	-2.81	1	27.926	8.12	-86.2	117.7	0.4
6/24/2005	17:00:39	26.21	53.834	35.54	-2.77	0	27.915	8.10	-85.3	96.9	0.3
6/24/2005	17:30:39	26.15	52.391	34.47	-2.76	0	27.898	8.10	-84.9	78.3	0.4
6/24/2005	18:00:39	26.18	53.837	35.55	-2.73	0	27.794	8.10	-84.9	57.0	0.3
6/24/2005	18:30:39	26.18	53.866	35.57	-2.72	1	27.741	8.09	-84.5	37.3	0.4
6/24/2005	19:00:39	26.13	53.855	35.56	-2.71	0	27.659	8.09	-84.4	23.5	0.4
6/24/2005	19:30:39	26.18	53.877	35.57	-2.68	0	27.614	8.09	-84.5	13.0	0.3
6/24/2005	20:00:39	26.17	53.939	35.62	-2.68	0	27.549	8.09	-84.4	5.0	0.3
6/24/2005	20:30:39	26.33	53.934	35.61	-2.68	0	27.534	8.09	-84.4	1.5	0.4
6/24/2005	21:00:39	26.53	53.073	34.97	-2.71	0	27.521	8.08	-84.2	1.5	0.3
6/24/2005	21:30:39	26.87	52.379	34.44	-2.77	0	27.470	8.09	-84.7	1.4	0.3
6/24/2005	22:00:39	26.92	53.425	35.22	-2.83	0	27.472	8.09	-84.4	1.5	0.2
6/24/2005	22:30:39	26.85	51.450	33.76	-2.87	0	27.467	8.08	-84.0	1.5	0.4
6/24/2005	23:00:39	26.81	52.966	34.88	-2.84	0	27.435	8.08	-83.7	1.4	0.3
6/24/2005	23:30:39	26.79	52.764	34.73	-2.81	1	27.419	8.07	-83.4	1.4	0.3
6/25/2005	0:00:39	26.76	53.490	35.27	-2.78	0	27.421	8.05	-82.5	1.4	0.4
6/25/2005	0:30:39	26.45	54.301	35.88	-2.73	0	27.403	8.05	-82.2	1.4	0.4
6/25/2005	1:00:39	26.37	53.941	35.62	-2.67	0	27.442	8.05	-82.0	1.5	0.3
6/25/2005	1:30:39	26.31	52.244	34.36	-2.64	0	27.488	8.06	-82.6	1.5	0.3
6/25/2005	2:00:39	26.27	53.339	35.17	-2.60	0	27.566	8.06	-82.9	1.5	0.4
6/25/2005	2:30:39	26.29	53.385	35.21	-2.56	0	27.555	8.06	-82.5	1.5	0.3
6/25/2005	3:00:39	26.30	53.134	35.02	-2.55	0	27.649	8.05	-82.4	1.3	0.3
6/25/2005	3:30:39	26.47	53.581	35.35	-2.52	0	27.715	8.07	-83.4	1.6	0.3
6/25/2005	4:00:39	26.50	53.370	35.19	-2.53	0	27.750	8.07	-83.3	1.4	0.3
6/25/2005	4:30:39	26.47	52.825	34.79	-2.52	0	27.832	8.06	-82.7	1.5	0.4
6/25/2005	5:00:39	26.48	53.108	35.00	-2.51	0	27.861	8.05	-82.0	1.4	0.3
6/25/2005	5:30:39	26.37	53.585	35.35	-2.48	1	27.965	8.07	-83.1	1.4	0.4
6/25/2005	6:00:39	26.39	53.072	34.97	-2.44	0	27.989	8.07	-83.4	1.4	0.3
6/25/2005	6:30:39	26.45	54.081	35.72	-2.36	0	28.025	8.07	-83.4	3.4	0.4
6/25/2005	7:00:39	26.51	54.152	35.77	-2.33	0	28.059	8.07	-83.6	10.3	0.3
6/25/2005	7:30:39	26.50	53.173	35.04	-2.32	0	28.106	8.07	-83.2	19.9	0.4
6/25/2005	8:00:39	26.49	54.104	35.73	-2.30	0	28.108	8.06	-83.1	30.9	0.2
6/25/2005	8:30:39	26.49	54.095	35.73	-2.28	0	28.105	8.06	-83.0	45.5	0.3
6/25/2005	9:00:39	26.49	54.091	35.73	-2.24	0	28.166	8.06	-83.0	60.2	0.3
6/25/2005	9:30:39	26.49	54.086	35.72	-2.23	0	28.160	8.07	-83.1	75.1	0.4
6/25/2005	10:00:39	26.49	54.106	35.74	-2.23	0	28.190	8.06	-82.9	102.4	0.4
6/25/2005	10:30:39	26.50	54.110	35.74	-2.22	0	28.139	8.08	-84.1	118.1	0.3
6/25/2005	11:00:39	26.49	54.109	35.74	-2.22	0	28.165	8.08	-83.9	131.3	0.3
6/25/2005	11:30:39	26.51	54.085	35.72	-2.21	0	28.164	8.10	-85.0	156.0	0.4
6/25/2005	12:00:39	26.53	54.082	35.72	-2.17	0	28.142	8.11	-85.4	172.5	0.4
6/25/2005	12:30:39	26.56	54.093	35.73	-2.07	0	28.122	8.14	-87.6	151.7	0.2
6/25/2005	13:00:39	26.56	54.063	35.70	-2.04	0	28.118	8.12	-86.5	85.3	0.3
6/25/2005	13:30:39	26.59	54.049	35.69	-1.98	0	28.074	8.12	-86.2	193.4	0.4
6/25/2005	14:00:39	26.60	54.079	35.71	-2.04	0	28.103	8.13	-86.9	177.8	0.4
6/25/2005	14:30:39	26.62	54.057	35.70	-1.99	0	28.084	8.15	-87.8	174.7	0.3
6/25/2005	15:00:39	26.73	53.776	35.48	-1.89	0	28.059	8.14	-87.5	91.3	0.4
6/25/2005	15:30:39	26.74	53.590	35.35	-1.86	0	28.021	8.15	-88.1	151.8	0.3
6/25/2005	16:00:39	26.70	53.504	35.28	-1.91	0	28.000	8.15	-88.0	132.0	0.2
6/25/2005	16:30:39	26.70	53.580	35.34	-1.81	0	27.954	8.10	-85.3	109.5	0.4
6/25/2005	17:00:39	26.74	53.725	35.45	-1.81	1	27.970	8.09	-84.7	85.8	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/25/2005	17:30:39	26.75	53.811	35.51	-1.79	0	27.900	8.09	-84.4	69.1	0.3
6/25/2005	18:00:39	26.67	53.824	35.52	-1.78	0	27.854	8.08	-84.1	50.5	0.6
6/25/2005	18:30:39	26.81	53.936	35.60	-1.79	0	27.843	8.08	-84.2	34.1	0.6
6/25/2005	19:00:39	26.94	54.055	35.69	-1.78	0	27.790	8.08	-84.2	21.3	0.4
6/25/2005	19:30:39	26.94	54.137	35.75	-1.72	0	27.733	8.08	-84.0	11.6	0.3
6/25/2005	20:00:39	26.94	54.238	35.82	-1.66	0	27.673	8.07	-83.6	4.4	0.3
6/25/2005	20:30:39	26.95	53.283	35.11	-1.66	0	27.710	8.07	-83.7	1.5	0.4
6/25/2005	21:00:39	26.94	53.481	35.26	-1.83	0	27.659	8.07	-83.4	1.4	0.4
6/25/2005	21:30:39	26.96	53.265	35.10	-1.82	0	27.583	8.07	-83.7	1.5	0.3
6/25/2005	22:00:39	27.00	53.304	35.13	-1.81	0	27.594	8.08	-83.8	1.5	0.4
6/25/2005	22:30:39	26.98	52.348	34.42	-1.80	0	27.535	8.07	-83.6	1.4	0.3
6/25/2005	23:00:39	27.00	53.325	35.14	-1.77	0	27.494	8.07	-83.6	1.4	6.4
6/25/2005	23:30:39	27.06	53.104	34.98	-1.76	0	27.480	8.07	-83.7	1.4	0.4
6/26/2005	0:00:39	27.08	52.939	34.85	-1.76	0	27.478	8.07	-83.5	1.5	0.2
6/26/2005	0:30:39	27.12	53.135	35.00	-1.74	0	27.489	8.07	-83.3	1.4	0.4
6/26/2005	1:00:39	27.12	53.589	35.33	-1.74	0	27.475	8.06	-83.1	1.5	0.3
6/26/2005	1:30:39	27.07	52.760	34.72	-1.73	0	27.526	8.05	-82.1	1.4	0.3
6/26/2005	2:00:39	27.10	52.826	34.77	-1.69	0	27.499	8.04	-81.7	1.5	0.3
6/26/2005	2:30:39	27.08	52.586	34.59	-1.79	0	27.560	8.04	-81.5	1.5	0.4
6/26/2005	3:00:39	27.08	52.454	34.49	-1.82	0	27.581	8.03	-81.2	1.6	0.3
6/26/2005	3:30:39	27.08	52.805	34.75	-1.84	0	27.645	8.03	-80.9	1.4	0.4
6/26/2005	4:00:39	26.67	52.898	34.83	-1.81	0	27.719	8.04	-81.8	1.5	0.2
6/26/2005	4:30:39	26.62	53.692	35.43	-1.76	0	27.739	8.05	-82.2	1.6	0.3
6/26/2005	5:00:39	26.54	53.075	34.97	-1.73	0	27.807	8.05	-82.2	1.4	0.3
6/26/2005	5:30:39	26.32	52.299	34.40	-1.70	1	27.863	8.04	-81.4	1.6	0.4
6/26/2005	6:00:39	26.28	54.289	35.88	-1.65	0	27.895	8.05	-82.0	1.5	0.4
6/26/2005	6:30:39	26.27	52.381	34.46	-1.63	0	27.964	8.05	-82.1	3.1	0.4
6/26/2005	7:00:39	26.28	53.909	35.60	-1.60	0	27.958	8.04	-81.8	9.1	0.3
6/26/2005	7:30:39	26.34	54.145	35.77	-1.59	0	28.022	8.05	-81.9	17.8	0.4
6/26/2005	8:00:39	26.36	51.067	33.49	-1.59	0	28.098	8.04	-81.7	23.3	0.4
6/26/2005	8:30:39	26.39	50.816	33.30	-1.58	0	28.127	8.05	-82.0	41.9	0.4
6/26/2005	9:00:39	26.43	50.781	33.28	-1.57	0	28.132	8.05	-82.1	59.7	0.4
6/26/2005	9:30:39	26.47	50.590	33.14	-1.56	0	28.148	8.05	-82.1	70.1	0.4
6/26/2005	10:00:39	26.53	50.820	33.30	-1.55	0	28.163	8.04	-81.8	86.5	0.3
6/26/2005	10:30:39	26.60	50.745	33.25	-1.54	0	28.161	8.06	-82.8	53.7	0.6
6/26/2005	11:00:39	26.59	50.398	32.99	-1.54	0	28.165	8.07	-83.2	116.2	0.8
6/26/2005	11:30:39	26.65	51.559	33.84	-1.54	0	28.137	8.08	-84.0	82.9	0.3
6/26/2005	12:00:39	26.74	52.509	34.54	-1.53	0	28.114	8.11	-85.4	136.8	0.4
6/26/2005	12:30:39	26.89	53.980	35.63	-1.55	1	28.085	8.13	-86.8	145.1	0.3
6/26/2005	13:00:39	26.88	52.600	34.61	-1.58	0	28.094	8.13	-86.7	158.1	0.4
6/26/2005	13:30:39	26.93	51.599	33.87	-1.57	0	28.110	8.11	-85.9	151.2	0.3
6/26/2005	14:00:39	26.93	51.589	33.86	-1.53	0	28.092	8.14	-87.7	145.5	0.4
6/26/2005	14:30:39	26.95	54.261	35.84	-1.49	0	28.077	8.14	-87.3	149.0	0.3
6/26/2005	15:00:39	26.95	54.151	35.76	-1.46	0	28.047	8.15	-88.3	144.5	0.4
6/26/2005	15:30:39	26.96	54.209	35.80	-1.44	1	28.009	8.16	-88.5	121.5	0.4
6/26/2005	16:00:39	26.97	54.225	35.81	-1.36	0	28.004	8.16	-88.4	105.9	0.4
6/26/2005	16:30:39	26.98	53.999	35.64	-1.35	0	28.002	8.15	-88.1	73.0	0.4
6/26/2005	17:00:39	26.97	54.232	35.82	-1.35	0	27.976	8.11	-85.6	71.2	0.4
6/26/2005	17:30:39	26.97	54.229	35.81	-1.34	0	27.940	8.10	-85.1	51.1	0.4
6/26/2005	18:00:39	26.97	54.217	35.81	-1.34	0	27.960	8.09	-84.4	36.7	0.4
6/26/2005	18:30:39	26.97	54.206	35.80	-1.33	0	27.935	8.07	-83.4	25.4	0.3
6/26/2005	19:00:39	26.96	54.115	35.73	-1.33	0	27.906	8.05	-82.2	7.5	0.4
6/26/2005	19:30:39	26.96	54.076	35.70	-1.33	0	27.855	8.04	-81.6	8.0	0.4
6/26/2005	20:00:39	26.94	54.069	35.70	-1.34	0	27.848	8.02	-80.7	3.4	0.3
6/26/2005	20:30:39	26.98	52.731	34.70	-1.34	0	27.831	8.02	-80.7	1.5	0.3
6/26/2005	21:00:39	27.34	52.181	34.28	-1.35	0	27.842	8.06	-83.1	1.5	0.3
6/26/2005	21:30:39	27.35	52.687	34.66	-1.36	0	27.807	8.06	-83.0	1.5	0.3
6/26/2005	22:00:39	27.35	52.903	34.82	-1.37	0	27.753	8.06	-82.9	1.5	0.3
6/26/2005	22:30:39	27.36	51.807	34.01	-1.39	0	27.740	8.06	-83.2	1.5	0.3
6/26/2005	23:00:39	27.36	52.189	34.29	-1.39	0	27.737	8.06	-83.1	1.5	0.3
6/26/2005	23:30:39	27.31	52.134	34.25	-1.38	0	27.721	8.06	-83.2	1.4	0.3
6/27/2005	0:00:39	27.29	52.303	34.38	-1.37	0	27.686	8.06	-83.0	1.5	0.4
6/27/2005	0:30:39	27.26	52.538	34.55	-1.36	0	27.721	8.06	-82.8	1.5	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/27/2005	1:00:39	27.25	52.335	34.40	-1.36	0	27.701	8.06	-82.8	1.4	0.4
6/27/2005	1:30:39	27.26	52.131	34.25	-1.35	0	27.680	8.05	-82.6	1.4	0.3
6/27/2005	2:00:39	27.24	52.427	34.47	-1.34	0	27.672	8.06	-82.8	1.4	0.3
6/27/2005	2:30:39	27.23	52.903	34.82	-1.33	0	27.686	8.06	-82.9	1.4	0.3
6/27/2005	3:00:39	27.23	52.969	34.87	-1.33	0	27.706	8.06	-82.7	1.4	0.3
6/27/2005	3:30:39	27.25	52.682	34.66	-1.31	0	27.730	8.05	-82.6	1.4	0.3
6/27/2005	4:00:39	27.24	52.639	34.63	-1.32	0	27.781	8.04	-81.7	1.4	0.4
6/27/2005	4:30:39	27.25	52.167	34.28	-1.32	0	27.784	8.03	-81.4	1.5	0.3
6/27/2005	5:00:39	27.20	53.003	34.90	-1.32	0	27.810	8.03	-80.9	1.5	0.4
6/27/2005	5:30:39	26.78	52.491	34.53	-1.31	0	27.880	8.02	-80.5	1.5	0.4
6/27/2005	6:00:39	26.68	54.167	35.78	-1.28	0	27.841	8.04	-81.4	1.5	0.3
6/27/2005	6:30:39	26.68	54.108	35.73	-1.25	0	27.921	8.03	-80.9	2.6	0.4
6/27/2005	7:00:39	26.69	54.207	35.81	-1.24	0	27.952	8.04	-81.8	7.3	0.4
6/27/2005	7:30:39	26.64	54.052	35.69	-1.23	0	27.983	8.05	-82.3	12.9	0.3
6/27/2005	8:00:39	26.65	54.048	35.69	-1.23	0	27.987	8.05	-82.2	17.4	0.4
6/27/2005	8:30:39	26.69	54.044	35.68	-1.23	0	28.006	8.05	-82.3	33.2	0.3
6/27/2005	9:00:39	26.70	54.009	35.66	-1.22	0	28.013	8.05	-82.3	42.0	0.3
6/27/2005	9:30:39	26.72	54.003	35.65	-1.22	0	28.002	8.05	-82.2	45.5	0.3
6/27/2005	10:00:39	26.80	54.045	35.68	-1.23	0	27.980	8.05	-82.3	70.1	0.4
6/27/2005	10:30:39	26.93	54.026	35.67	-1.23	0	28.023	8.06	-82.9	83.9	0.7
6/27/2005	11:00:39	26.95	54.026	35.66	-1.23	0	28.013	8.07	-83.2	97.2	0.3
6/27/2005	11:30:39	26.95	54.026	35.66	-1.24	0	27.974	8.08	-83.9	110.4	0.4
6/27/2005	12:00:39	26.98	54.018	35.66	-1.23	0	27.973	8.09	-84.7	127.9	0.4
6/27/2005	12:30:39	27.01	54.014	35.65	-1.24	0	27.968	8.09	-84.8	119.4	0.4
6/27/2005	13:00:39	27.03	54.021	35.66	-1.00	0	27.975	8.11	-85.7	155.2	0.3
6/27/2005	13:30:39	27.06	54.246	35.82	-0.81	0	27.926	8.10	-84.9	159.7	0.4
6/27/2005	14:00:39	27.09	54.247	35.82	-0.81	0	27.942	8.11	-86.0	148.6	0.1
6/27/2005	14:30:39	27.11	54.247	35.82	-0.80	0	27.915	8.14	-87.5	140.3	0.3
6/27/2005	15:00:39	27.15	54.249	35.82	-0.80	0	27.875	8.12	-86.4	133.6	0.1
6/27/2005	15:30:39	27.17	54.210	35.79	-0.80	1	27.908	8.12	-86.6	123.2	0.4
6/27/2005	16:00:39	27.17	53.882	35.55	-0.80	0	27.891	8.13	-86.9	102.7	0.3
6/27/2005	16:30:39	27.19	54.171	35.77	-0.79	0	27.873	8.12	-86.5	87.1	0.2
6/27/2005	17:00:39	27.21	54.216	35.80	-0.79	0	27.870	8.08	-84.1	66.6	0.3
6/27/2005	17:30:39	27.19	54.202	35.79	-0.78	0	27.865	8.09	-84.7	51.1	0.4
6/27/2005	18:00:39	27.20	54.228	35.81	-0.78	0	27.870	8.07	-83.6	36.9	0.4
6/27/2005	18:30:39	27.20	53.921	35.58	-0.78	0	27.860	8.06	-83.1	25.4	0.3
6/27/2005	19:00:39	27.19	52.474	34.51	-0.78	0	27.887	8.05	-82.6	15.7	0.4
6/27/2005	19:30:39	27.21	52.902	34.82	-0.78	0	27.883	8.04	-81.9	8.0	0.5
6/27/2005	20:00:39	27.22	53.000	34.89	-0.77	0	27.887	8.04	-81.7	3.4	0.4
6/27/2005	20:30:39	27.20	54.216	35.80	-0.78	0	27.885	8.03	-81.2	1.6	0.4
6/27/2005	21:00:39	27.22	52.936	34.85	-0.78	1	27.873	8.02	-80.4	1.5	0.2
6/27/2005	21:30:39	27.24	52.988	34.88	-0.77	0	27.865	8.01	-80.3	1.5	0.3
6/27/2005	22:00:39	27.21	53.131	34.99	-0.77	0	27.853	8.04	-81.7	1.5	0.3
6/27/2005	22:30:39	27.10	53.145	35.01	-0.77	0	27.856	8.04	-81.7	1.4	0.3
6/27/2005	23:00:39	26.95	52.964	34.88	-0.77	0	27.807	8.04	-81.8	1.4	0.4
6/27/2005	23:30:39	26.98	52.525	34.55	-0.76	0	27.805	8.04	-81.5	1.4	0.3
6/28/2005	0:00:39	26.99	52.431	34.48	-0.76	0	27.776	8.03	-81.4	1.4	0.3
6/28/2005	0:30:39	26.98	52.589	34.60	-0.75	0	27.791	8.03	-81.3	1.4	0.3
6/28/2005	1:00:39	26.98	52.795	34.75	-0.75	0	27.782	8.03	-81.2	1.6	0.4
6/28/2005	1:30:39	26.98	52.984	34.89	-0.75	0	27.769	8.02	-80.7	1.4	0.4
6/28/2005	2:00:39	26.99	51.768	33.99	-0.75	0	27.762	8.02	-80.6	1.4	0.9
6/28/2005	2:30:39	27.00	53.242	35.08	-0.75	0	27.744	8.02	-80.4	1.5	0.2
6/28/2005	3:00:39	27.00	52.881	34.81	-0.75	0	27.737	8.01	-79.8	1.3	0.5
6/28/2005	3:30:39	27.02	53.301	35.12	-0.75	0	27.761	8.00	-79.5	1.5	0.3
6/28/2005	4:00:39	27.03	52.786	34.74	-0.75	0	27.747	7.99	-78.9	1.4	0.3
6/28/2005	4:30:39	27.01	53.385	35.19	-0.75	0	27.768	7.98	-78.6	1.4	0.4
6/28/2005	5:00:39	27.02	52.825	34.77	-0.75	0	27.787	7.98	-78.5	1.6	0.3
6/28/2005	5:30:39	27.04	52.583	34.59	-0.75	0	27.797	7.98	-78.4	1.4	0.3
6/28/2005	6:00:39	27.03	54.144	35.75	-0.75	0	27.828	7.96	-77.2	1.5	0.4
6/28/2005	6:30:39	27.03	54.143	35.75	-0.74	0	27.856	7.96	-77.3	2.7	0.3
6/28/2005	7:00:39	27.03	54.075	35.70	-0.74	0	27.869	7.95	-76.7	7.1	0.4
6/28/2005	7:30:39	27.03	54.072	35.70	-0.74	1	27.893	7.95	-76.9	12.9	0.4
6/28/2005	8:00:39	27.00	54.074	35.70	-0.74	0	27.911	7.97	-77.5	20.9	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/28/2005	8:30:39	26.94	54.170	35.77	-0.75	0	27.934	8.00	-79.6	32.5	0.4
6/28/2005	9:00:39	26.96	54.159	35.76	-0.75	0	27.942	8.00	-79.3	43.2	0.3
6/28/2005	9:30:39	26.97	54.154	35.76	-0.75	0	27.941	8.00	-79.6	58.6	0.4
6/28/2005	10:00:39	26.99	54.146	35.75	-0.75	0	27.935	8.00	-79.5	72.6	0.3
6/28/2005	10:30:39	26.99	54.150	35.76	-0.75	0	27.941	8.03	-81.1	114.4	0.2
6/28/2005	11:00:39	27.00	54.146	35.75	-0.75	0	27.936	8.02	-80.9	108.7	0.3
6/28/2005	11:30:39	27.02	54.139	35.75	-0.75	0	27.887	8.03	-81.4	112.1	0.2
6/28/2005	12:00:39	27.04	54.137	35.74	-0.75	0	27.909	8.05	-82.6	150.7	0.3
6/28/2005	12:30:39	27.10	54.173	35.77	-0.75	0	27.876	8.01	-80.0	19.0	0.3
6/28/2005	13:00:39	28.02	53.747	35.42	-0.75	0	27.881	8.08	-84.1	22.2	0.3
6/28/2005	13:30:39	28.22	53.821	35.47	-0.76	0	27.857	8.08	-84.0	49.4	0.3
6/28/2005	14:00:39	28.41	53.922	35.54	-0.78	0	27.853	8.09	-85.0	101.3	0.3
6/28/2005	14:30:39	28.55	53.942	35.55	-0.80	0	27.837	8.09	-85.0	169.0	0.3
6/28/2005	15:00:39	28.61	53.945	35.55	-0.81	0	27.809	8.11	-85.9	144.6	0.3
6/28/2005	15:30:39	28.63	53.984	35.58	-0.82	0	27.811	8.09	-85.1	146.6	0.3
6/28/2005	16:00:39	28.65	54.004	35.60	-0.83	0	27.794	8.09	-84.9	127.0	0.1
6/28/2005	16:30:39	28.67	54.033	35.62	-0.83	0	27.792	8.09	-85.0	117.4	0.3
6/28/2005	17:00:39	28.69	54.044	35.62	-0.83	0	27.792	8.10	-85.3	94.2	0.1
6/28/2005	17:30:39	28.71	54.065	35.64	-0.83	0	27.813	8.07	-84.0	75.9	0.2
6/28/2005	18:00:39	28.72	54.064	35.64	-0.83	0	27.832	8.06	-83.5	32.5	0.3
6/28/2005	18:30:39	28.74	54.084	35.65	-0.83	0	27.828	8.06	-83.4	31.2	0.3
6/28/2005	19:00:39	28.74	54.112	35.67	-0.83	0	27.852	8.06	-83.2	25.9	0.3
6/28/2005	19:30:39	28.72	54.117	35.68	-0.82	0	27.860	8.06	-83.1	12.6	0.2
6/28/2005	20:00:39	28.71	54.116	35.68	-0.82	0	27.863	8.06	-83.0	5.0	0.3
6/28/2005	20:30:39	28.70	54.113	35.68	-0.82	0	27.906	8.05	-82.8	1.6	0.1
6/28/2005	21:00:39	28.70	52.215	34.27	-0.84	0	27.930	8.05	-82.9	1.5	0.1
6/28/2005	21:30:39	28.68	52.893	34.77	-0.83	0	27.960	8.05	-82.8	1.5	0.1
6/28/2005	22:00:39	28.66	52.909	34.78	-0.83	0	27.960	8.05	-82.8	1.5	0.1
6/28/2005	22:30:39	28.62	52.158	34.23	-0.83	0	27.957	8.06	-83.0	1.4	0.3
6/28/2005	23:00:39	28.60	53.255	35.04	-0.82	0	27.931	8.06	-82.9	1.5	0.3
6/28/2005	23:30:39	28.59	54.176	35.73	-0.82	0	27.890	8.06	-83.1	1.4	0.2
6/29/2005	0:00:39	28.59	53.205	35.00	-0.82	1	27.951	8.06	-83.1	1.4	0.1
6/29/2005	0:30:39	28.60	53.956	35.56	-0.82	0	27.930	8.05	-82.9	1.4	0.1
6/29/2005	1:00:39	28.60	52.327	34.35	-0.82	0	27.928	8.05	-82.8	1.4	0.1
6/29/2005	1:30:39	28.59	53.945	35.55	-0.81	0	27.893	8.05	-82.8	1.4	0.2
6/29/2005	2:00:39	28.59	53.560	35.27	-0.82	0	27.893	8.05	-82.9	1.4	0.2
6/29/2005	2:30:39	28.59	53.195	35.00	-0.82	0	27.963	8.06	-83.1	1.4	0.2
6/29/2005	3:00:39	28.61	52.370	34.39	-0.82	1	27.893	8.06	-83.1	1.5	0.1
6/29/2005	3:30:39	28.62	52.970	34.83	-0.82	0	27.936	8.06	-83.0	1.4	1.0
6/29/2005	4:00:39	28.64	51.715	33.90	-0.82	0	27.964	8.06	-83.1	1.5	0.3
6/29/2005	4:30:39	28.69	53.721	35.38	-0.81	0	27.896	8.06	-83.1	1.5	0.1
6/29/2005	5:00:39	28.74	52.724	34.64	-0.82	0	27.942	8.06	-83.1	1.3	0.4
6/29/2005	5:30:39	28.80	52.190	34.25	-0.82	0	27.939	8.05	-82.9	1.4	0.1
6/29/2005	6:00:39	28.83	54.433	35.91	-0.82	0	27.888	8.05	-82.9	1.4	0.1
6/29/2005	6:30:39	28.83	50.235	32.81	-0.83	0	27.984	8.06	-83.0	3.2	0.2
6/29/2005	7:00:39	28.84	50.725	33.17	-0.83	0	28.009	8.05	-82.9	11.1	0.1
6/29/2005	7:30:39	28.84	54.493	35.95	-0.82	0	27.993	8.06	-83.1	20.4	0.1
6/29/2005	8:00:39	28.84	54.526	35.98	-0.82	0	28.018	8.06	-83.3	12.5	0.1
6/29/2005	8:30:39	28.82	54.531	35.98	-0.82	0	28.012	8.06	-83.4	41.8	0.1
6/29/2005	9:00:39	28.81	54.516	35.97	-0.82	0	27.974	8.06	-83.3	26.4	0.2
6/29/2005	9:30:39	28.80	54.496	35.96	-0.82	0	27.999	8.06	-83.4	29.6	0.0
6/29/2005	10:00:39	28.79	54.473	35.94	-0.82	0	27.966	8.07	-83.7	80.6	0.1
6/29/2005	10:30:39	28.80	54.463	35.93	-0.83	0	27.971	8.07	-83.7	112.3	0.3
6/29/2005	11:00:39	28.81	54.481	35.95	-0.83	0	27.943	8.07	-83.7	62.7	0.1
6/29/2005	11:30:39	28.82	54.484	35.95	-0.83	0	27.933	8.07	-83.6	75.9	0.1
6/29/2005	12:00:39	28.82	54.470	35.94	-0.83	1	27.893	8.10	-85.5	218.8	0.2
6/29/2005	12:30:39	28.81	54.454	35.93	-0.83	0	27.889	8.09	-85.0	108.7	0.3
6/29/2005	13:00:39	28.82	54.446	35.92	-0.83	1	27.845	8.07	-83.9	90.6	0.2
6/29/2005	13:30:39	28.82	54.423	35.90	-0.83	1	27.790	8.09	-84.8	138.6	0.1
6/29/2005	14:00:39	28.83	54.414	35.89	-0.83	0	27.812	8.11	-85.9	209.9	0.2
6/29/2005	14:30:39	28.84	54.424	35.90	-0.83	0	27.755	8.11	-86.1	197.6	0.1
6/29/2005	15:00:39	28.85	54.403	35.89	-0.83	0	27.724	8.13	-87.0	169.7	0.1
6/29/2005	15:30:39	28.83	53.862	35.48	-0.83	0	27.756	8.09	-85.1	148.6	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
6/29/2005	16:00:39	28.85	54.089	35.65	-0.83	0	27.704	8.13	-87.3	163.4	0.2
6/29/2005	16:30:39	28.83	54.017	35.60	-0.82	0	27.689	8.12	-86.9	136.1	0.2
6/29/2005	17:00:39	28.83	54.015	35.60	-0.82	0	27.673	8.11	-85.9	108.7	0.1
6/29/2005	17:30:39	28.85	53.383	35.13	-0.82	0	27.687	8.10	-85.8	90.7	0.2
6/29/2005	18:00:39	28.80	54.325	35.83	-0.81	0	27.698	8.07	-84.0	70.3	0.7
6/29/2005	18:30:39	28.79	54.343	35.84	-0.81	0	27.684	8.06	-83.1	48.7	0.1
6/29/2005	19:00:39	28.79	54.342	35.84	-0.81	0	27.707	8.05	-82.9	31.1	0.2
6/29/2005	19:30:39	28.79	54.337	35.84	-0.81	0	27.732	8.04	-82.3	15.8	0.2
6/29/2005	20:00:39	28.79	51.526	33.76	-0.82	0	27.835	8.04	-82.0	5.8	0.1
6/29/2005	20:30:39	28.80	54.313	35.82	-0.81	0	27.795	8.03	-81.5	1.5	0.3
6/29/2005	21:00:39	28.80	52.772	34.68	-0.81	0	27.827	8.03	-81.5	1.5	0.1
6/29/2005	21:30:39	28.79	53.357	35.11	-0.81	0	27.894	8.02	-81.2	1.5	0.3
6/29/2005	22:00:39	28.78	52.896	34.77	-0.81	0	27.857	8.02	-80.8	1.5	0.3
6/29/2005	22:30:39	28.76	52.726	34.64	-0.81	0	27.896	8.01	-80.2	1.5	0.4
6/29/2005	23:00:39	28.76	52.801	34.70	-0.81	0	27.939	8.02	-81.2	1.5	0.3
6/29/2005	23:30:39	28.74	52.933	34.80	-0.81	0	27.984	8.02	-81.2	1.3	0.1
6/30/2005	0:00:39	28.73	53.377	35.13	-0.80	0	27.979	8.02	-80.9	1.5	0.2
6/30/2005	0:30:39	28.73	53.289	35.06	-0.80	0	27.975	8.01	-80.6	1.4	0.2
6/30/2005	1:00:39	28.73	53.213	35.01	-0.80	0	27.985	8.02	-80.7	1.3	0.3
6/30/2005	1:30:39	28.72	51.827	33.98	-0.80	0	27.998	8.01	-80.5	1.4	0.3
6/30/2005	2:00:39	28.72	52.899	34.77	-0.80	0	28.012	8.00	-79.7	1.5	0.4
6/30/2005	2:30:39	28.71	53.133	34.95	-0.80	0	27.997	7.98	-78.9	1.4	0.5
6/30/2005	3:00:39	28.70	52.584	34.54	-0.80	0	27.995	7.99	-79.3	1.4	0.4
6/30/2005	3:30:39	28.69	52.974	34.83	-0.80	0	28.021	7.99	-79.0	1.4	0.4
6/30/2005	4:00:39	28.70	53.010	34.86	-0.80	0	27.978	7.97	-77.8	1.5	0.2
6/30/2005	4:30:39	28.70	52.994	34.84	-0.80	1	27.971	7.97	-78.3	1.5	1.4
6/30/2005	5:00:39	28.70	52.359	34.37	-0.80	0	28.014	7.96	-77.2	1.5	0.2
6/30/2005	5:30:39	28.68	50.935	33.32	-0.81	1	28.014	7.95	-77.1	1.4	0.3
6/30/2005	6:00:39	28.67	51.101	33.45	-0.81	0	27.978	7.96	-77.3	1.4	0.1
6/30/2005	6:30:39	28.67	52.101	34.19	-0.80	0	27.987	8.01	-80.1	3.2	0.1
6/30/2005	7:00:39	28.68	52.093	34.18	-0.80	0	27.995	8.03	-81.5	10.4	0.1
6/30/2005	7:30:39	28.67	52.083	34.17	-0.80	0	27.977	8.03	-81.5	22.1	0.2
6/30/2005	8:00:39	28.67	52.068	34.16	-0.80	0	27.959	8.03	-81.5	35.3	0.3
6/30/2005	8:30:39	28.67	51.935	34.06	-0.80	0	27.964	8.03	-81.3	53.1	0.2
6/30/2005	9:00:39	28.68	51.926	34.06	-0.80	0	27.981	8.03	-81.4	70.4	0.2
6/30/2005	9:30:39	28.69	51.919	34.05	-0.80	0	27.937	8.03	-81.4	87.5	0.2
6/30/2005	10:00:39	28.69	51.003	33.37	-0.81	0	27.976	8.03	-81.5	104.3	0.1
6/30/2005	10:30:39	28.69	51.866	34.01	-0.81	0	27.958	8.03	-81.5	129.7	0.0
6/30/2005	11:00:39	28.71	51.885	34.02	-0.81	0	27.952	8.04	-82.2	140.6	0.3
6/30/2005	11:30:39	28.72	53.926	35.54	-0.81	0	27.888	8.07	-83.6	174.3	0.3
6/30/2005	12:00:39	28.75	53.866	35.49	-0.81	0	27.878	8.10	-85.6	195.6	0.3
6/30/2005	12:30:39	28.75	53.695	35.36	-0.81	0	27.856	8.11	-86.2	207.4	0.3
6/30/2005	13:00:39	28.76	53.736	35.39	-0.81	0	27.800	8.10	-85.8	194.6	0.3
6/30/2005	13:30:39	28.78	53.801	35.44	-0.81	0	27.755	8.09	-85.3	208.3	0.2
6/30/2005	14:00:39	28.77	53.865	35.49	-0.81	0	27.726	8.09	-85.2	214.6	0.2
6/30/2005	14:30:39	28.75	53.908	35.52	-0.81	0	27.733	8.09	-85.0	217.3	0.3
6/30/2005	15:00:39	28.73	53.932	35.54	-0.81	0	27.684	8.11	-86.0	204.5	0.4
6/30/2005	15:30:39	28.71	53.945	35.55	-0.81	0	27.634	8.10	-85.4	191.0	0.3
6/30/2005	16:00:39	28.67	53.957	35.56	-0.80	0	27.630	8.10	-85.8	169.3	0.1
6/30/2005	16:30:39	28.65	53.966	35.57	-0.80	0	27.610	8.11	-85.9	147.2	0.3
6/30/2005	17:00:39	28.61	53.973	35.57	-0.79	0	27.586	8.11	-85.9	115.2	0.3
6/30/2005	17:30:39	28.60	53.972	35.57	-0.79	0	27.608	8.09	-84.9	97.8	0.1
6/30/2005	18:00:39	28.61	53.962	35.57	-0.79	0	27.611	8.08	-84.4	76.0	0.2
6/30/2005	18:30:39	28.62	53.963	35.57	-0.78	0	27.627	8.06	-83.4	53.3	0.1
6/30/2005	19:00:39	28.65	53.960	35.56	-0.78	0	27.618	8.06	-82.9	31.2	0.2
6/30/2005	19:30:39	28.66	53.970	35.57	-0.78	0	27.645	8.05	-82.5	16.5	0.1
6/30/2005	20:00:39	28.69	54.050	35.63	-0.78	0	27.696	8.05	-82.4	6.0	0.3
6/30/2005	20:30:39	28.68	53.263	35.04	-0.78	0	27.715	8.04	-82.2	1.5	0.1
6/30/2005	21:00:39	28.67	52.514	34.49	-0.78	0	27.778	8.04	-82.2	1.4	0.1
6/30/2005	21:30:39	28.66	52.844	34.73	-0.78	0	27.825	8.04	-82.3	1.3	0.2
6/30/2005	22:00:39	28.66	53.170	34.98	-0.78	0	27.848	8.04	-82.3	1.5	0.2
6/30/2005	22:30:39	28.68	52.657	34.60	-0.78	0	27.896	8.05	-82.5	1.5	0.3
6/30/2005	23:00:39	28.69	52.640	34.58	-0.78	0	27.898	8.05	-82.5	1.5	0.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
6/30/2005	23:30:39	28.70	53.103	34.92	-0.78	0	27.955	8.05	-82.7	1.4	0.2
7/1/2005	0:00:39	28.71	53.046	34.88	-0.78	0	27.990	8.05	-82.6	1.4	0.3
7/1/2005	0:30:39	28.72	53.258	35.04	-0.78	0	28.025	8.05	-82.4	1.5	0.2
7/1/2005	1:00:39	28.73	52.587	34.54	-0.78	0	28.059	8.05	-82.6	1.5	0.2
7/1/2005	1:30:39	28.73	52.669	34.60	-0.78	0	28.057	8.05	-82.6	1.4	0.3
7/1/2005	2:00:39	28.73	52.666	34.60	-0.78	0	28.052	8.05	-82.5	1.4	0.2
7/1/2005	2:30:39	28.77	53.126	34.94	-0.78	0	28.083	8.05	-82.6	1.5	0.3
7/1/2005	3:00:39	28.78	53.243	35.03	-0.78	0	28.073	8.05	-82.5	1.5	0.7
7/1/2005	3:30:39	28.74	53.837	35.47	-0.78	0	28.073	8.05	-82.6	1.4	0.1
7/1/2005	4:00:39	28.67	52.899	34.78	-0.78	0	28.078	8.05	-82.5	1.4	0.2
7/1/2005	4:30:39	28.59	53.494	35.22	-0.78	0	28.086	8.05	-82.6	1.3	0.2
7/1/2005	5:00:39	28.58	52.556	34.52	-0.78	0	28.105	8.05	-82.7	1.4	0.1
7/1/2005	5:30:39	28.61	52.702	34.63	-0.77	0	28.085	8.05	-82.9	1.4	0.2
7/1/2005	6:00:39	28.64	54.330	35.84	-0.76	0	28.036	8.05	-82.9	1.3	0.2
7/1/2005	6:30:39	28.70	54.359	35.86	-0.77	0	28.043	8.05	-82.9	3.5	0.3
7/1/2005	7:00:39	28.64	54.338	35.84	-0.77	0	28.026	8.05	-82.9	11.5	0.1
7/1/2005	7:30:39	28.63	54.323	35.83	-0.77	1	28.023	8.05	-82.9	23.8	0.1
7/1/2005	8:00:39	28.64	54.322	35.83	-0.76	0	28.019	8.06	-83.1	39.5	0.3
7/1/2005	8:30:39	28.64	54.318	35.83	-0.76	0	28.031	8.06	-83.3	61.2	0.2
7/1/2005	9:00:39	28.62	54.310	35.82	-0.77	0	27.995	8.07	-83.6	78.7	0.2
7/1/2005	9:30:39	28.68	54.324	35.83	-0.77	0	27.970	8.08	-84.4	110.3	0.1
7/1/2005	10:00:39	28.65	54.324	35.83	-0.77	1	27.980	8.08	-84.1	133.9	0.1
7/1/2005	10:30:39	28.60	54.306	35.82	-0.77	0	27.922	8.09	-84.8	154.7	0.3
7/1/2005	11:00:39	28.56	54.308	35.82	-0.77	0	27.907	8.08	-84.5	175.5	0.2
7/1/2005	11:30:39	28.51	54.304	35.82	-0.77	0	27.872	8.12	-86.7	213.6	0.2
7/1/2005	12:00:39	28.58	54.315	35.83	-0.77	0	27.852	8.14	-87.9	202.5	0.0
7/1/2005	12:30:39	28.60	54.314	35.83	-0.77	0	27.802	8.15	-88.2	236.2	0.4
7/1/2005	13:00:39	28.65	52.641	34.59	-0.78	0	27.793	8.10	-85.4	245.8	0.1
7/1/2005	13:30:39	28.62	54.311	35.82	-0.77	0	27.737	8.13	-87.1	266.1	0.0
7/1/2005	14:00:39	28.73	54.397	35.89	-0.78	0	27.684	8.10	-85.8	264.8	0.2
7/1/2005	14:30:39	28.75	54.455	35.93	-0.77	0	27.643	8.08	-84.7	163.9	0.1
7/1/2005	15:00:39	28.74	53.225	35.01	-0.78	0	27.621	8.11	-85.9	237.4	0.1
7/1/2005	15:30:39	28.86	54.566	36.01	-0.78	0	27.591	8.13	-87.2	121.6	0.1
7/1/2005	16:00:39	28.94	54.614	36.04	-0.78	1	27.579	8.14	-88.0	237.3	0.1
7/1/2005	16:30:39	28.95	54.626	36.05	-0.78	0	27.524	8.11	-86.3	144.8	0.3
7/1/2005	17:00:39	28.95	54.649	36.07	-0.78	0	27.488	8.10	-85.4	164.8	0.2
7/1/2005	17:30:39	28.94	54.689	36.10	-0.78	0	27.482	8.08	-84.2	130.0	0.2
7/1/2005	18:00:39	28.92	54.717	36.12	-0.77	0	27.479	8.07	-83.9	55.4	0.3
7/1/2005	18:30:39	28.83	54.732	36.13	-0.78	1	27.483	8.06	-83.4	76.6	0.4
7/1/2005	19:00:39	28.75	54.673	36.09	-0.77	0	27.486	8.06	-83.2	41.5	0.1
7/1/2005	19:30:39	28.71	54.634	36.06	-0.77	0	27.508	8.05	-82.5	19.8	0.3
7/1/2005	20:00:39	28.62	54.576	36.02	-0.76	0	27.549	8.04	-82.3	6.9	0.1
7/1/2005	20:30:39	28.55	52.269	34.31	-0.77	0	27.594	8.04	-82.3	1.7	0.1
7/1/2005	21:00:39	28.50	52.828	34.73	-0.76	0	27.646	8.04	-82.0	1.5	0.2
7/1/2005	21:30:39	28.44	52.848	34.74	-0.75	0	27.682	8.03	-81.7	1.5	0.3
7/1/2005	22:00:39	28.12	54.027	35.63	-0.74	0	27.688	8.03	-81.5	1.4	0.3
7/1/2005	22:30:39	27.87	53.448	35.21	-0.74	0	27.762	8.04	-81.8	1.4	0.3
7/1/2005	23:00:39	27.74	53.413	35.19	-0.73	0	27.820	8.04	-81.9	1.4	0.3
7/1/2005	23:30:39	27.55	53.541	35.29	-0.71	0	27.862	8.04	-81.6	1.4	0.3
7/2/2005	0:00:39	27.55	51.703	33.93	-0.71	0	27.931	8.04	-81.6	1.3	0.3
7/2/2005	0:30:39	27.55	51.918	34.08	-0.70	0	27.940	8.03	-81.1	1.4	0.3
7/2/2005	1:00:39	27.56	53.370	35.16	-0.70	0	27.995	8.02	-80.7	1.4	0.2
7/2/2005	1:30:39	27.56	52.164	34.27	-0.70	0	28.003	8.01	-80.1	1.5	0.3
7/2/2005	2:00:39	27.67	53.501	35.25	-0.69	0	28.044	8.01	-79.9	1.5	0.2
7/2/2005	2:30:39	27.69	52.420	34.45	-0.70	0	28.043	8.01	-80.3	1.4	0.3
7/2/2005	3:00:39	27.73	53.008	34.89	-0.70	0	28.076	8.01	-80.1	1.3	0.3
7/2/2005	3:30:39	27.72	51.429	33.72	-0.71	0	28.088	8.00	-79.6	1.3	0.3
7/2/2005	4:00:39	27.77	52.503	34.51	-0.70	0	28.102	8.00	-79.7	1.4	0.4
7/2/2005	4:30:39	28.15	53.397	35.16	-0.71	0	28.087	8.03	-81.1	1.4	0.3
7/2/2005	5:00:39	28.12	52.120	34.22	-0.72	0	28.108	8.02	-80.6	1.5	0.1
7/2/2005	5:30:39	27.87	53.754	35.43	-0.72	0	28.065	8.02	-81.1	1.4	0.2
7/2/2005	6:00:39	27.77	54.132	35.72	-0.72	0	28.065	8.04	-81.7	1.4	0.3
7/2/2005	6:30:39	27.86	52.545	34.54	-0.71	0	28.077	8.05	-82.5	3.5	0.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/2/2005	7:00:39	27.63	51.229	33.57	-0.71	0	28.085	8.05	-82.5	10.0	0.3
7/2/2005	7:30:39	27.53	50.486	33.03	-0.71	0	28.094	8.06	-82.8	25.4	0.2
7/2/2005	8:00:39	27.63	50.605	33.11	-0.71	0	28.070	8.06	-83.1	42.7	0.3
7/2/2005	8:30:39	28.04	52.356	34.39	-0.71	0	28.040	8.07	-83.9	67.1	10.6
7/2/2005	9:00:39	28.30	52.450	34.45	-0.71	0	28.025	8.07	-83.9	86.3	0.3
7/2/2005	9:30:39	28.49	52.508	34.49	-0.72	1	28.009	8.07	-83.6	99.2	0.2
7/2/2005	10:00:39	28.43	52.660	34.61	-0.74	0	27.996	8.07	-83.7	123.4	0.2
7/2/2005	10:30:39	28.46	52.654	34.60	-0.75	0	27.981	8.08	-84.4	148.4	0.3
7/2/2005	11:00:39	28.56	52.494	34.48	-0.75	0	27.929	8.08	-84.5	166.0	0.3
7/2/2005	11:30:39	28.50	52.547	34.52	-0.76	0	27.913	8.08	-84.4	184.6	0.1
7/2/2005	12:00:39	28.54	50.909	33.31	-0.76	0	27.911	8.11	-86.1	234.3	0.1
7/2/2005	12:30:39	28.55	54.634	36.07	-0.75	0	27.828	8.09	-84.8	237.2	0.2
7/2/2005	13:00:39	28.62	54.660	36.09	-0.76	0	27.799	8.07	-83.6	241.5	0.3
7/2/2005	13:30:39	28.67	54.671	36.09	-0.76	0	27.749	8.07	-84.1	255.5	0.3
7/2/2005	14:00:39	28.77	54.659	36.08	-0.76	0	27.722	8.07	-83.6	242.7	0.1
7/2/2005	14:30:39	28.71	54.685	36.10	-0.76	0	27.668	8.09	-84.7	114.2	0.3
7/2/2005	15:00:39	28.66	54.682	36.10	-0.76	0	27.628	8.12	-86.5	242.3	0.2
7/2/2005	15:30:39	28.68	54.682	36.10	-0.76	0	27.580	8.08	-84.6	227.5	0.4
7/2/2005	16:00:39	28.64	54.709	36.12	-0.76	0	27.553	8.08	-84.2	186.4	0.3
7/2/2005	16:30:39	28.59	54.682	36.10	-0.75	0	27.515	8.07	-83.9	170.9	0.2
7/2/2005	17:00:39	28.61	54.667	36.09	-0.75	0	27.476	8.08	-84.1	152.9	0.1
7/2/2005	17:30:39	28.57	54.648	36.08	-0.74	0	27.455	8.05	-82.6	47.5	0.3
7/2/2005	18:00:39	28.63	54.588	36.03	-0.74	0	27.449	8.08	-84.2	81.0	0.1
7/2/2005	18:30:39	28.50	54.450	35.93	-0.74	0	27.435	8.05	-82.6	61.1	0.0
7/2/2005	19:00:39	27.76	53.927	35.57	-0.73	0	27.427	8.03	-81.4	30.3	0.2
7/2/2005	19:30:39	26.81	53.430	35.23	-0.71	0	27.451	8.02	-80.8	14.3	0.3
7/2/2005	20:00:39	26.49	53.223	35.08	-0.69	0	27.456	8.03	-81.2	5.1	0.4
7/2/2005	20:30:39	26.27	51.252	33.63	-0.66	0	27.523	8.03	-81.3	1.5	0.4
7/2/2005	21:00:39	26.30	52.026	34.20	-0.64	0	27.536	8.03	-81.0	1.4	0.4
7/2/2005	21:30:39	27.34	53.340	35.14	-0.63	0	27.558	8.06	-82.8	1.4	0.4
7/2/2005	22:00:39	27.35	53.664	35.38	-0.65	0	27.628	8.04	-82.0	1.4	0.3
7/2/2005	22:30:39	27.24	52.636	34.62	-0.66	0	27.681	8.04	-81.8	1.4	0.4
7/2/2005	23:00:39	26.90	52.593	34.60	-0.67	0	27.751	8.02	-80.7	1.4	0.2
7/2/2005	23:30:39	26.34	52.359	34.44	-0.65	0	27.765	8.00	-79.3	1.5	0.4
7/3/2005	0:00:39	25.49	53.262	35.13	-0.64	0	27.821	8.00	-79.4	1.3	0.3
7/3/2005	0:30:39	24.82	53.285	35.17	-0.60	0	27.878	8.03	-80.5	1.3	0.6
7/3/2005	1:00:39	24.77	52.281	34.42	-0.58	0	27.912	8.04	-81.3	1.3	0.4
7/3/2005	1:30:39	24.86	50.373	33.02	-0.57	0	28.010	8.04	-81.2	1.4	0.4
7/3/2005	2:00:39	24.92	53.006	34.96	-0.55	0	27.997	8.04	-81.5	1.3	0.4
7/3/2005	2:30:39	24.94	53.312	35.18	-0.55	0	27.996	8.04	-81.4	1.3	0.3
7/3/2005	3:00:39	24.98	52.397	34.51	-0.55	0	28.050	8.04	-81.2	1.5	0.5
7/3/2005	3:30:39	25.02	53.076	35.01	-0.55	0	28.064	8.03	-81.1	1.4	0.6
7/3/2005	4:00:39	25.04	52.037	34.24	-0.56	0	28.099	8.03	-81.0	1.4	0.6
7/3/2005	4:30:39	25.08	53.398	35.25	-0.56	0	28.080	8.02	-80.4	1.4	0.4
7/3/2005	5:00:39	25.11	53.152	35.06	-0.56	0	28.116	8.02	-80.3	1.4	0.4
7/3/2005	5:30:39	25.28	51.987	34.20	-0.56	0	28.110	8.02	-80.3	1.3	0.5
7/3/2005	6:00:39	25.27	53.932	35.64	-0.56	0	28.096	8.01	-79.7	1.4	0.7
7/3/2005	6:30:39	25.25	53.941	35.65	-0.56	0	28.101	8.01	-79.5	3.0	0.4
7/3/2005	7:00:39	25.34	53.935	35.64	-0.57	0	28.081	8.00	-79.2	9.7	0.3
7/3/2005	7:30:39	25.45	53.904	35.61	-0.57	0	28.071	7.99	-78.9	18.5	0.4
7/3/2005	8:00:39	25.53	53.810	35.54	-0.58	0	28.081	8.02	-80.4	33.2	0.4
7/3/2005	8:30:39	25.46	53.884	35.60	-0.58	0	28.038	8.01	-79.7	39.5	0.4
7/3/2005	9:00:39	25.53	53.852	35.57	-0.58	0	28.043	8.02	-80.4	59.5	0.4
7/3/2005	9:30:39	25.55	53.835	35.56	-0.59	0	28.026	8.03	-80.7	70.8	0.3
7/3/2005	10:00:39	25.54	53.794	35.53	-0.59	0	28.014	8.04	-81.7	95.0	0.4
7/3/2005	10:30:39	25.43	53.746	35.50	-0.59	0	27.982	8.06	-82.8	115.1	0.3
7/3/2005	11:00:39	24.95	53.807	35.55	-0.59	0	27.946	8.10	-84.5	128.6	0.4
7/3/2005	11:30:39	24.88	53.832	35.57	-0.58	0	27.935	8.12	-86.1	145.9	0.4
7/3/2005	12:00:39	24.80	53.806	35.56	-0.57	0	27.895	8.13	-86.6	163.8	0.4
7/3/2005	12:30:39	24.80	52.918	34.90	-0.56	0	27.856	8.17	-88.6	142.0	0.4
7/3/2005	13:00:39	24.83	53.167	35.08	-0.56	0	27.818	8.16	-88.0	149.1	0.4
7/3/2005	13:30:39	24.88	53.106	35.03	-0.57	0	27.804	8.16	-88.0	173.7	0.4
7/3/2005	14:00:39	24.92	52.941	34.91	-0.57	0	27.747	8.16	-88.0	156.5	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/3/2005	14:30:39	24.94	52.942	34.91	-0.57	0	27.718	8.17	-89.0	168.8	0.3
7/3/2005	15:00:39	25.07	52.569	34.63	-0.57	0	27.663	8.17	-88.9	151.1	0.3
7/3/2005	15:30:39	25.29	52.806	34.80	-0.57	0	27.638	8.13	-86.5	146.9	0.4
7/3/2005	16:00:39	25.16	52.893	34.87	-0.57	0	27.556	8.13	-86.5	137.7	0.4
7/3/2005	16:30:39	25.22	52.850	34.84	-0.57	0	27.514	8.11	-85.6	112.5	0.4
7/3/2005	17:00:39	25.26	52.935	34.90	-0.57	0	27.485	8.11	-85.2	98.8	0.4
7/3/2005	17:30:39	25.49	52.822	34.81	-0.58	0	27.471	8.11	-85.4	31.6	0.4
7/3/2005	18:00:39	25.38	52.895	34.87	-0.58	0	27.451	8.12	-85.8	56.7	0.4
7/3/2005	18:30:39	25.45	52.950	34.90	-0.58	0	27.423	8.10	-84.7	38.4	0.3
7/3/2005	19:00:39	25.44	53.030	34.96	-0.58	0	27.403	8.07	-83.2	23.4	0.4
7/3/2005	19:30:39	25.17	53.203	35.10	-0.58	0	27.397	8.08	-83.4	9.6	0.4
7/3/2005	20:00:39	25.20	53.156	35.06	-0.58	0	27.416	8.08	-83.5	4.3	0.4
7/3/2005	20:30:39	25.16	51.262	33.66	-0.58	0	27.448	8.08	-83.4	1.5	0.7
7/3/2005	21:00:39	24.73	51.888	34.13	-0.57	0	27.460	8.06	-82.6	1.3	0.4
7/3/2005	21:30:39	24.62	52.666	34.71	-0.56	0	27.466	8.08	-83.3	1.3	0.4
7/3/2005	22:00:39	24.57	53.324	35.20	-0.55	0	27.509	8.08	-83.5	1.4	0.4
7/3/2005	22:30:39	24.60	52.162	34.34	-0.54	0	27.571	8.09	-83.9	1.5	0.4
7/3/2005	23:00:39	24.61	51.705	34.00	-0.54	0	27.622	8.08	-83.5	1.4	0.4
7/3/2005	23:30:39	24.62	53.117	35.05	-0.54	0	27.650	8.08	-83.6	1.4	0.4
7/4/2005	0:00:39	24.63	52.221	34.38	-0.54	0	27.737	8.08	-83.4	1.5	0.4
7/4/2005	0:30:39	24.63	52.952	34.92	-0.54	0	27.759	8.08	-83.4	1.3	0.6
7/4/2005	1:00:39	24.65	51.895	34.14	-0.54	0	27.816	8.07	-82.8	1.3	0.5
7/4/2005	1:30:39	24.65	51.898	34.14	-0.54	0	27.874	8.07	-82.9	1.4	0.5
7/4/2005	2:00:39	24.67	52.954	34.93	-0.54	1	27.891	8.05	-81.6	1.5	0.5
7/4/2005	2:30:39	24.70	51.564	33.90	-0.55	0	27.950	8.03	-80.8	1.4	0.5
7/4/2005	3:00:39	24.72	53.420	35.27	-0.54	0	27.972	8.04	-81.1	1.4	0.6
7/4/2005	3:30:39	24.72	53.419	35.27	-0.54	0	27.994	8.08	-83.3	1.4	0.6
7/4/2005	4:00:39	24.72	52.369	34.49	-0.55	1	28.038	8.08	-83.4	1.4	0.4
7/4/2005	4:30:39	24.74	53.590	35.40	-0.55	0	28.048	8.09	-84.2	1.5	0.4
7/4/2005	5:00:39	24.77	52.695	34.73	-0.55	0	28.088	8.08	-83.6	1.3	0.5
7/4/2005	5:30:39	24.76	52.996	34.95	-0.55	0	28.085	8.07	-82.9	1.5	0.4
7/4/2005	6:00:39	24.76	53.761	35.52	-0.55	0	28.080	8.08	-83.4	1.4	0.6
7/4/2005	6:30:39	24.81	53.950	35.66	-0.55	0	28.067	8.06	-82.6	2.6	0.4
7/4/2005	7:00:39	24.79	52.523	34.60	-0.55	0	28.095	8.06	-82.7	7.7	0.4
7/4/2005	7:30:39	24.83	53.949	35.66	-0.55	0	28.061	8.06	-82.6	15.6	0.6
7/4/2005	8:00:39	24.84	53.950	35.66	-0.55	0	28.073	8.06	-82.4	17.4	0.4
7/4/2005	8:30:39	24.92	53.943	35.65	-0.55	0	28.060	8.06	-82.3	38.1	0.5
7/4/2005	9:00:39	24.95	53.929	35.64	-0.56	0	28.021	8.05	-82.1	26.9	0.5
7/4/2005	9:30:39	25.03	53.905	35.62	-0.56	0	28.016	8.06	-82.8	67.9	0.4
7/4/2005	10:00:39	25.02	53.919	35.63	-0.56	0	27.982	8.07	-83.1	75.7	0.6
7/4/2005	10:30:39	25.08	54.177	35.82	-0.56	0	27.976	8.11	-85.3	92.2	0.6
7/4/2005	11:00:39	25.11	54.260	35.89	-0.57	1	27.945	8.13	-86.4	110.7	0.4
7/4/2005	11:30:39	25.14	54.223	35.86	-0.57	0	27.920	8.14	-87.0	116.7	0.3
7/4/2005	12:00:39	25.16	54.225	35.86	-0.57	1	27.888	8.15	-87.5	151.8	0.3
7/4/2005	12:30:39	25.18	54.215	35.85	-0.58	0	27.860	8.16	-88.3	133.5	0.4
7/4/2005	13:00:39	25.18	54.215	35.85	-0.58	0	27.816	8.16	-88.1	154.6	0.4
7/4/2005	13:30:39	25.20	54.200	35.84	-0.58	0	27.787	8.14	-86.9	152.8	0.3
7/4/2005	14:00:39	25.21	54.154	35.80	-0.58	0	27.737	8.16	-88.4	151.9	2.3
7/4/2005	14:30:39	25.22	54.162	35.81	-0.58	0	27.696	8.17	-89.1	162.1	0.4
7/4/2005	15:00:39	25.22	54.146	35.80	-0.58	0	27.674	8.18	-89.3	150.0	1.7
7/4/2005	15:30:39	25.22	54.048	35.73	-0.58	0	27.614	8.18	-89.5	137.0	0.4
7/4/2005	16:00:39	25.25	54.096	35.76	-0.58	0	27.570	8.18	-89.1	120.4	0.6
7/4/2005	16:30:39	25.26	54.080	35.75	-0.58	0	27.525	8.17	-88.6	112.9	0.7
7/4/2005	17:00:39	25.26	54.074	35.74	-0.58	0	27.478	8.16	-88.1	87.4	0.4
7/4/2005	17:30:39	25.25	54.028	35.71	-0.57	0	27.449	8.13	-86.3	68.3	0.7
7/4/2005	18:00:39	25.26	53.992	35.68	-0.57	0	27.419	8.12	-86.2	52.5	1.0
7/4/2005	18:30:39	25.25	53.927	35.64	-0.57	1	27.393	8.11	-85.5	37.2	0.6
7/4/2005	19:00:39	25.21	53.829	35.56	-0.57	0	27.376	8.09	-84.3	23.0	2.0
7/4/2005	19:30:39	25.22	53.850	35.58	-0.57	0	27.336	8.09	-84.0	11.6	0.9
7/4/2005	20:00:39	25.22	53.795	35.54	-0.57	0	27.339	8.08	-83.4	4.5	1.5
7/4/2005	20:30:39	25.22	51.037	33.50	-0.58	0	27.392	8.07	-83.3	1.6	0.7
7/4/2005	21:00:39	25.23	49.653	32.48	-0.58	0	27.417	8.08	-83.6	1.3	2.1
7/4/2005	21:30:39	25.27	51.676	33.97	-0.58	0	27.413	8.08	-83.7	1.3	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/4/2005	22:00:39	25.18	51.961	34.18	-0.57	0	27.413	8.08	-83.6	1.3	0.5
7/4/2005	22:30:39	25.04	52.445	34.54	-0.57	0	27.467	8.08	-83.4	1.5	2.1
7/4/2005	23:00:39	24.97	51.793	34.06	-0.57	0	27.541	8.08	-83.5	1.4	0.4
7/4/2005	23:30:39	24.66	52.131	34.32	-0.56	0	27.583	8.09	-84.2	1.3	0.5
7/5/2005	0:00:39	24.65	52.933	34.91	-0.55	0	27.630	8.09	-84.4	1.5	0.9
7/5/2005	0:30:39	24.66	53.848	35.59	-0.54	0	27.659	8.09	-84.0	1.3	1.4
7/5/2005	1:00:39	24.67	53.996	35.70	-0.54	0	27.696	8.08	-83.8	1.4	0.6
7/5/2005	1:30:39	24.67	52.370	34.49	-0.54	0	27.808	8.08	-83.5	1.4	0.6
7/5/2005	2:00:39	24.68	52.983	34.95	-0.54	0	27.828	8.08	-83.6	1.4	0.5
7/5/2005	2:30:39	24.68	53.736	35.51	-0.54	0	27.863	8.08	-83.3	1.4	0.6
7/5/2005	3:00:39	24.80	52.222	34.38	-0.54	0	27.943	8.09	-84.0	1.4	1.0
7/5/2005	3:30:39	24.78	52.216	34.38	-0.54	0	27.978	8.09	-83.9	1.4	0.7
7/5/2005	4:00:39	24.76	53.760	35.52	-0.54	0	27.981	8.09	-83.9	1.5	1.0
7/5/2005	4:30:39	24.77	51.496	33.84	-0.55	0	28.059	8.08	-83.7	1.4	1.2
7/5/2005	5:00:39	24.78	53.564	35.38	-0.54	0	28.039	8.08	-83.4	1.4	0.4
7/5/2005	5:30:39	24.78	52.367	34.49	-0.54	0	28.070	8.08	-83.5	1.4	0.4
7/5/2005	6:00:39	24.79	52.395	34.51	-0.54	0	28.061	8.07	-82.8	1.4	0.4
7/5/2005	6:30:39	24.79	54.508	36.08	-0.54	0	28.068	8.06	-82.6	2.5	0.8
7/5/2005	7:00:39	24.80	54.494	36.07	-0.54	0	28.093	8.06	-82.2	8.1	0.7
7/5/2005	7:30:39	24.80	54.486	36.06	-0.54	0	28.058	8.06	-82.2	16.2	0.6
7/5/2005	8:00:39	24.81	54.481	36.06	-0.54	0	28.071	8.06	-82.6	26.3	0.9
7/5/2005	8:30:39	24.82	54.444	36.03	-0.54	0	28.066	8.05	-82.0	35.3	0.3
7/5/2005	9:00:39	24.82	54.433	36.02	-0.54	1	28.026	8.05	-81.6	28.9	0.4
7/5/2005	9:30:39	24.84	54.409	36.00	-0.54	0	28.051	8.05	-81.9	63.6	0.6
7/5/2005	10:00:39	24.85	54.366	35.97	-0.55	0	28.020	8.05	-82.0	80.0	0.8
7/5/2005	10:30:39	24.87	54.352	35.96	-0.55	0	28.019	8.05	-82.2	106.0	1.3
7/5/2005	11:00:39	24.89	54.356	35.96	-0.55	0	27.986	8.06	-82.5	73.3	0.7
7/5/2005	11:30:39	24.89	54.312	35.93	-0.55	0	27.943	8.05	-82.1	124.7	0.5
7/5/2005	12:00:39	24.92	54.274	35.90	-0.55	0	27.991	8.07	-83.3	137.6	0.4
7/5/2005	12:30:39	24.93	54.143	35.80	-0.55	0	27.899	8.09	-84.1	158.3	0.5
7/5/2005	13:00:39	24.92	54.123	35.79	-0.55	0	27.899	8.08	-83.5	172.7	0.5
7/5/2005	13:30:39	24.95	54.155	35.81	-0.55	0	27.988	8.07	-83.1	154.6	0.5
7/5/2005	14:00:39	24.96	54.118	35.78	-0.55	0	27.718	8.08	-83.4	160.2	0.4
7/5/2005	14:30:39	24.97	54.062	35.74	-0.55	0	27.818	8.09	-84.0	156.5	0.6
7/5/2005	15:00:39	25.02	54.044	35.73	-0.55	0	27.816	8.10	-84.8	138.5	0.4
7/5/2005	15:30:39	25.04	54.006	35.70	-0.55	1	27.747	8.11	-85.4	106.2	0.5
7/5/2005	16:00:39	25.07	53.961	35.66	-0.56	0	27.584	8.10	-85.0	115.9	0.4
7/5/2005	16:30:39	25.09	53.891	35.61	-0.55	0	27.638	8.09	-84.2	102.6	0.6
7/5/2005	17:00:39	25.12	53.852	35.58	-0.56	0	27.652	8.08	-83.5	50.6	0.4
7/5/2005	17:30:39	25.13	53.785	35.53	-0.56	0	27.485	8.08	-83.8	66.1	0.3
7/5/2005	18:00:39	25.07	53.722	35.49	-0.56	0	27.361	8.08	-83.5	36.8	0.5
7/5/2005	18:30:39	25.10	53.589	35.39	-0.56	0	27.489	8.07	-83.2	35.0	0.3
7/5/2005	19:00:39	25.10	53.616	35.41	-0.56	0	27.453	8.07	-83.1	14.9	0.4
7/5/2005	19:30:39	25.13	53.592	35.39	-0.56	0	27.470	8.07	-82.9	11.5	0.4
7/5/2005	20:00:39	25.17	53.515	35.33	-0.56	0	27.315	8.06	-82.4	4.4	0.6
7/5/2005	20:30:39	25.17	51.093	33.54	-0.57	0	27.355	8.06	-82.4	1.5	0.4
7/5/2005	21:00:39	25.19	50.625	33.19	-0.57	0	27.263	8.06	-82.5	1.5	0.6
7/5/2005	21:30:39	25.11	52.122	34.30	-0.56	0	27.545	8.09	-84.2	1.4	0.4
7/5/2005	22:00:39	25.01	51.754	34.03	-0.56	0	27.491	8.09	-84.2	1.4	0.4
7/5/2005	22:30:39	24.97	51.806	34.07	-0.56	0	27.569	8.09	-84.2	1.3	0.5
7/5/2005	23:00:39	24.95	52.046	34.25	-0.55	0	27.493	8.09	-84.2	1.3	0.4
7/5/2005	23:30:39	24.96	52.097	34.28	-0.55	0	27.548	8.08	-83.7	1.5	0.6
7/6/2005	0:00:39	24.94	51.312	33.70	-0.55	1	27.418	8.08	-83.5	1.4	0.6
7/6/2005	0:30:39	24.91	52.106	34.29	-0.55	1	27.847	8.08	-83.4	1.5	0.6
7/6/2005	1:00:39	24.95	51.907	34.14	-0.55	0	27.605	8.07	-83.2	1.4	0.5
7/6/2005	1:30:39	24.97	51.659	33.96	-0.55	0	27.643	8.07	-83.1	1.3	0.4
7/6/2005	2:00:39	24.98	52.624	34.67	-0.55	0	27.756	8.06	-82.7	1.5	0.7
7/6/2005	2:30:39	24.68	52.172	34.35	-0.54	0	27.850	8.07	-82.7	1.4	0.7
7/6/2005	3:00:39	24.69	52.516	34.60	-0.55	0	27.814	8.07	-83.0	1.4	0.6
7/6/2005	3:30:39	24.75	52.166	34.34	-0.54	0	27.990	8.08	-83.6	1.4	0.7
7/6/2005	4:00:39	24.73	51.977	34.20	-0.54	0	28.021	8.07	-83.2	1.5	0.6
7/6/2005	4:30:39	24.75	53.410	35.26	-0.54	0	28.228	8.07	-83.2	1.5	0.6
7/6/2005	5:00:39	24.81	51.551	33.88	-0.54	0	27.962	8.07	-83.0	1.4	0.5

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/6/2005	5:30:39	24.46	51.922	34.17	-0.54	0	27.971	8.08	-83.7	1.3	0.6
7/6/2005	6:00:39	24.49	53.686	35.47	-0.53	0	27.954	8.08	-83.7	1.5	0.4
7/6/2005	6:30:39	24.49	53.686	35.47	-0.52	0	28.094	8.08	-83.6	2.4	0.4
7/6/2005	7:00:39	24.51	53.680	35.47	-0.52	0	27.998	8.08	-83.4	7.3	0.9
7/6/2005	7:30:39	24.57	53.637	35.43	-0.52	0	28.208	8.07	-83.1	14.9	0.3
7/6/2005	8:00:39	24.61	53.621	35.42	-0.53	1	28.061	8.07	-83.2	23.7	0.5
7/6/2005	8:30:39	24.63	53.610	35.41	-0.53	0	27.970	8.07	-82.8	33.7	0.7
7/6/2005	9:00:39	24.66	53.602	35.41	-0.53	0	28.199	8.07	-83.0	53.2	0.4
7/6/2005	9:30:39	24.73	53.552	35.37	-0.53	0	28.117	8.07	-83.1	62.3	0.4
7/6/2005	10:00:39	24.75	53.544	35.36	-0.53	1	27.969	8.07	-83.1	76.1	0.4
7/6/2005	10:30:39	24.82	53.499	35.33	-0.54	0	28.187	8.07	-83.3	86.0	0.4
7/6/2005	11:00:39	24.87	51.360	33.74	-0.54	0	28.161	8.08	-83.6	104.8	0.4
7/6/2005	11:30:39	24.92	53.455	35.29	-0.54	0	28.069	8.09	-84.4	123.7	0.4
7/6/2005	12:00:39	24.97	52.222	34.38	-0.55	0	27.981	8.11	-85.2	145.2	0.9
7/6/2005	12:30:39	25.01	53.413	35.26	-0.55	0	28.069	8.12	-85.8	144.1	0.4
7/6/2005	13:00:39	25.06	53.385	35.24	-0.55	0	28.015	8.10	-84.7	148.8	0.4
7/6/2005	13:30:39	25.11	53.360	35.22	-0.56	0	27.869	8.09	-84.5	59.8	0.3
7/6/2005	14:00:39	25.14	53.324	35.19	-0.56	0	28.001	8.10	-84.8	132.6	0.4
7/6/2005	14:30:39	25.17	53.322	35.19	-0.56	0	27.979	8.11	-85.5	138.0	0.5
7/6/2005	15:00:39	25.20	53.311	35.18	-0.56	0	27.858	8.13	-86.3	119.7	0.6
7/6/2005	15:30:39	25.22	53.306	35.17	-0.56	0	27.849	8.13	-86.5	117.2	0.4
7/6/2005	16:00:39	25.24	53.291	35.16	-0.56	0	27.749	8.15	-87.5	103.5	1.0
7/6/2005	16:30:39	25.29	53.247	35.13	-0.56	0	27.712	8.12	-86.2	85.5	0.6
7/6/2005	17:00:39	25.29	53.270	35.15	-0.56	1	27.758	8.13	-86.3	72.5	0.4
7/6/2005	17:30:39	25.31	53.247	35.13	-0.57	0	27.640	8.12	-85.8	60.5	0.4
7/6/2005	18:00:39	25.34	53.223	35.11	-0.57	0	27.557	8.11	-85.3	40.6	1.5
7/6/2005	18:30:39	25.36	53.207	35.10	-0.57	0	27.550	8.10	-84.8	28.0	0.6
7/6/2005	19:00:39	25.34	53.227	35.11	-0.57	1	27.541	8.10	-84.7	17.2	0.4
7/6/2005	19:30:39	25.35	53.215	35.10	-0.57	0	27.438	8.09	-84.2	9.6	0.3
7/6/2005	20:00:39	25.38	53.187	35.08	-0.57	0	27.420	8.08	-83.4	4.1	0.3
7/6/2005	20:30:39	25.37	50.074	32.78	-0.58	0	27.495	8.07	-83.3	1.5	0.5
7/6/2005	21:00:39	25.20	51.732	34.01	-0.57	0	27.485	8.07	-82.9	1.4	0.5
7/6/2005	21:30:39	25.13	51.400	33.77	-0.57	0	27.466	8.08	-83.4	1.4	0.4
7/6/2005	22:00:39	25.16	51.332	33.71	-0.56	0	27.412	8.07	-83.3	1.5	0.3
7/6/2005	22:30:39	25.16	51.058	33.51	-0.56	0	27.356	8.07	-83.1	1.5	0.6
7/6/2005	23:00:39	25.18	51.175	33.60	-0.56	0	27.462	8.06	-82.6	1.4	0.7
7/6/2005	23:30:39	25.17	51.320	33.71	-0.56	1	27.501	8.07	-83.0	1.5	0.5
7/7/2005	0:00:39	25.20	51.266	33.66	-0.56	0	27.488	8.06	-82.3	1.5	0.5
7/7/2005	0:30:39	25.19	51.764	34.03	-0.56	1	27.565	8.05	-82.2	1.4	0.4
7/7/2005	1:00:39	25.20	51.921	34.15	-0.56	0	27.616	8.05	-81.8	1.5	0.4
7/7/2005	1:30:39	25.20	51.142	33.57	-0.56	1	27.698	8.05	-82.2	1.4	0.6
7/7/2005	2:00:39	25.19	51.404	33.77	-0.56	0	27.688	8.05	-81.8	1.3	0.5
7/7/2005	2:30:39	25.11	51.432	33.79	-0.56	0	27.833	8.05	-81.9	1.4	0.4
7/7/2005	3:00:39	25.10	51.565	33.89	-0.56	0	27.841	8.05	-81.9	1.4	0.4
7/7/2005	3:30:39	25.12	51.153	33.58	-0.56	0	27.884	8.06	-82.8	1.5	0.6
7/7/2005	4:00:39	25.12	52.446	34.54	-0.55	0	27.919	8.10	-84.5	1.5	0.5
7/7/2005	4:30:39	25.13	50.954	33.44	-0.56	0	27.966	8.09	-84.5	1.4	0.6
7/7/2005	5:00:39	25.12	52.375	34.49	-0.56	0	28.006	8.08	-83.8	1.4	0.6
7/7/2005	5:30:39	25.12	50.985	33.46	-0.56	0	28.043	8.08	-83.7	1.3	0.7
7/7/2005	6:00:39	25.10	52.830	34.82	-0.55	0	28.011	8.06	-82.8	1.4	0.5
7/7/2005	6:30:39	25.11	51.550	33.88	-0.56	0	28.057	8.06	-82.7	2.4	0.4
7/7/2005	7:00:39	25.13	51.493	33.83	-0.56	0	28.056	8.07	-83.2	7.1	0.4
7/7/2005	7:30:39	25.14	51.426	33.78	-0.56	0	28.104	8.07	-82.9	14.2	0.3
7/7/2005	8:00:39	25.28	51.713	33.99	-0.56	0	28.158	8.06	-82.8	22.0	0.4
7/7/2005	8:30:39	25.58	52.144	34.30	-0.57	0	28.026	8.06	-82.7	31.0	0.4
7/7/2005	9:00:39	25.75	52.114	34.28	-0.58	0	28.053	8.05	-82.2	8.3	0.3
7/7/2005	9:30:39	25.73	52.117	34.28	-0.58	0	28.118	8.05	-82.2	34.6	0.4
7/7/2005	10:00:39	25.86	52.179	34.32	-0.59	1	28.087	8.05	-82.2	35.1	0.3
7/7/2005	10:30:39	26.11	52.692	34.70	-0.60	0	28.044	8.07	-83.3	50.7	0.4
7/7/2005	11:00:39	26.33	52.765	34.74	-0.62	0	28.006	8.08	-83.9	121.9	0.3
7/7/2005	11:30:39	26.37	52.770	34.75	-0.62	0	28.049	8.06	-82.6	28.3	0.3
7/7/2005	12:00:39	26.58	52.877	34.82	-0.64	0	28.041	8.05	-82.4	26.0	0.4
7/7/2005	12:30:39	26.64	52.837	34.79	-0.63	0	27.988	8.05	-82.5	24.6	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/7/2005	13:00:39	26.58	52.740	34.72	-0.64	0	28.005	8.05	-82.4	26.6	0.4
7/7/2005	13:30:39	26.96	51.550	33.83	-0.64	0	28.013	8.06	-82.8	33.2	0.4
7/7/2005	14:00:39	26.74	52.399	34.46	-0.65	0	27.953	8.06	-83.0	62.6	0.5
7/7/2005	14:30:39	26.81	51.898	34.09	-0.65	0	27.922	8.10	-85.2	111.1	0.5
7/7/2005	15:00:39	26.85	51.921	34.11	-0.66	0	27.889	8.11	-85.9	106.9	0.2
7/7/2005	15:30:39	26.93	52.015	34.17	-0.67	0	27.869	8.12	-86.5	94.0	0.3
7/7/2005	16:00:39	27.04	51.914	34.10	-0.66	0	27.861	8.12	-86.5	90.6	0.4
7/7/2005	16:30:39	27.11	51.920	34.10	-0.67	0	27.803	8.11	-85.7	74.7	0.6
7/7/2005	17:00:39	27.27	51.961	34.12	-0.67	0	27.769	8.09	-84.8	61.0	0.4
7/7/2005	17:30:39	27.36	52.128	34.24	-0.69	0	27.740	8.08	-83.9	39.2	0.4
7/7/2005	18:00:39	27.51	52.056	34.19	-0.68	0	27.673	8.07	-83.3	33.2	0.3
7/7/2005	18:30:39	27.37	52.005	34.15	-0.69	0	27.618	8.06	-82.8	24.7	0.4
7/7/2005	19:00:39	27.45	52.135	34.25	-0.69	0	27.593	8.04	-81.7	15.7	0.3
7/7/2005	19:30:39	27.51	53.609	35.34	-0.69	0	27.505	8.03	-81.2	8.1	0.3
7/7/2005	20:00:39	27.62	53.682	35.39	-0.70	0	27.488	8.01	-80.4	3.6	0.3
7/7/2005	20:30:39	27.78	50.548	33.07	-0.70	0	27.554	8.01	-80.2	1.5	0.4
7/7/2005	21:00:39	27.82	52.968	34.85	-0.71	0	27.448	8.00	-79.8	1.4	0.8
7/7/2005	21:30:39	27.85	51.822	34.00	-0.71	0	27.486	8.00	-79.5	1.4	0.4
7/7/2005	22:00:39	27.96	52.177	34.26	-0.71	0	27.478	8.00	-79.5	1.6	0.9
7/7/2005	22:30:39	28.06	51.810	33.99	-0.71	0	27.493	7.99	-79.0	1.4	0.4
7/7/2005	23:00:39	28.03	51.658	33.88	-0.72	0	27.490	7.98	-78.4	1.5	0.4
7/7/2005	23:30:39	28.09	52.088	34.19	-0.72	0	27.517	7.97	-77.9	1.5	0.4
7/8/2005	0:00:39	28.76	52.685	34.61	-0.72	0	27.542	8.08	-84.4	1.4	0.3
7/8/2005	0:30:39	28.79	51.639	33.84	-0.74	0	27.593	8.07	-83.6	1.6	0.3
7/8/2005	1:00:39	28.83	52.574	34.53	-0.75	0	27.629	8.07	-83.6	1.6	0.4
7/8/2005	1:30:39	28.85	51.834	33.98	-0.76	0	27.671	8.07	-83.6	1.4	0.3
7/8/2005	2:00:39	28.84	52.036	34.13	-0.76	0	27.734	8.06	-83.4	1.4	0.2
7/8/2005	2:30:39	28.87	52.909	34.78	-0.76	0	27.756	8.06	-83.3	1.6	0.3
7/8/2005	3:00:39	28.86	52.243	34.28	-0.76	0	27.819	8.06	-83.1	1.5	0.2
7/8/2005	3:30:39	28.85	51.914	34.04	-0.76	0	27.851	8.06	-83.0	1.5	0.7
7/8/2005	4:00:39	28.87	51.911	34.04	-0.76	0	27.886	8.06	-83.2	1.4	0.1
7/8/2005	4:30:39	28.89	52.878	34.75	-0.75	0	27.954	8.05	-82.8	1.5	0.3
7/8/2005	5:00:39	28.86	52.451	34.44	-0.76	0	27.994	8.06	-83.1	1.4	0.3
7/8/2005	5:30:39	28.55	52.628	34.58	-0.75	0	28.023	8.05	-82.6	1.5	0.1
7/8/2005	6:00:39	28.61	52.756	34.67	-0.75	0	28.035	8.05	-82.8	1.5	0.4
7/8/2005	6:30:39	27.24	52.407	34.45	-0.72	0	28.055	8.02	-80.9	2.2	0.2
7/8/2005	7:00:39	26.56	52.211	34.33	-0.69	0	28.090	8.02	-80.7	6.7	0.3
7/8/2005	7:30:39	26.73	51.500	33.80	-0.66	0	28.111	8.05	-82.2	12.8	0.4
7/8/2005	8:00:39	26.69	52.136	34.27	-0.64	0	28.103	8.05	-82.2	24.1	0.3
7/8/2005	8:30:39	26.78	52.439	34.49	-0.64	0	28.111	8.06	-82.8	31.0	0.4
7/8/2005	9:00:39	26.98	52.528	34.55	-0.64	0	28.117	8.07	-83.3	46.9	0.3
7/8/2005	9:30:39	26.94	52.508	34.54	-0.64	0	28.116	8.07	-83.6	52.4	0.3
7/8/2005	10:00:39	27.01	52.548	34.57	-0.64	0	28.111	8.07	-83.6	59.1	0.2
7/8/2005	10:30:39	27.11	52.687	34.67	-0.65	0	28.106	8.08	-84.1	85.0	0.3
7/8/2005	11:00:39	27.13	52.919	34.84	-0.66	0	28.070	8.09	-84.7	93.4	0.3
7/8/2005	11:30:39	27.30	52.296	34.37	-0.66	0	28.099	8.09	-84.4	108.1	0.3
7/8/2005	12:00:39	27.33	52.355	34.41	-0.67	0	28.066	8.11	-86.1	102.9	0.3
7/8/2005	12:30:39	27.50	52.729	34.69	-0.68	0	28.034	8.13	-86.8	116.8	0.9
7/8/2005	13:00:39	27.71	51.829	34.01	-0.68	0	28.055	8.10	-85.3	128.7	0.3
7/8/2005	13:30:39	28.46	53.195	35.00	-0.70	0	28.010	8.12	-86.9	139.4	0.1
7/8/2005	14:00:39	28.55	53.282	35.06	-0.71	0	27.982	8.11	-86.2	69.1	0.3
7/8/2005	14:30:39	28.70	53.130	34.95	-0.73	0	27.971	8.09	-85.1	128.7	0.3
7/8/2005	15:00:39	28.61	53.229	35.02	-0.74	0	27.931	8.09	-84.8	125.7	0.4
7/8/2005	15:30:39	28.34	53.332	35.11	-0.74	0	27.913	8.11	-86.3	116.8	0.1
7/8/2005	16:00:39	28.30	52.384	34.41	-0.74	0	27.879	8.08	-84.5	112.0	0.3
7/8/2005	16:30:39	28.38	52.384	34.40	-0.73	0	27.836	8.06	-83.4	16.9	0.3
7/8/2005	17:00:39	28.47	52.351	34.38	-0.73	0	27.814	8.07	-83.7	37.8	0.4
7/8/2005	17:30:39	28.60	52.233	34.28	-0.73	0	27.776	8.07	-83.7	40.8	0.2
7/8/2005	18:00:39	28.69	52.166	34.23	-0.74	0	27.725	8.07	-83.7	41.9	0.4
7/8/2005	18:30:39	28.76	52.142	34.21	-0.74	0	27.690	8.07	-83.6	28.9	0.3
7/8/2005	19:00:39	28.77	52.128	34.20	-0.74	0	27.649	8.06	-83.3	17.8	0.3
7/8/2005	19:30:39	28.78	52.299	34.33	-0.75	0	27.613	8.06	-83.3	9.1	0.2
7/8/2005	20:00:39	28.76	53.306	35.07	-0.74	0	27.564	8.06	-82.9	3.7	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/8/2005	20:30:39	28.78	51.990	34.10	-0.75	0	27.550	8.06	-83.0	1.5	0.4
7/8/2005	21:00:39	28.74	51.676	33.87	-0.75	0	27.536	8.05	-82.9	1.4	0.3
7/8/2005	21:30:39	28.69	51.690	33.88	-0.75	0	27.542	8.05	-82.5	1.6	0.3
7/8/2005	22:00:39	28.69	51.446	33.70	-0.75	0	27.526	8.01	-80.6	1.5	0.3
7/8/2005	22:30:39	28.60	51.122	33.47	-0.75	0	27.513	8.01	-80.6	1.5	0.3
7/8/2005	23:00:39	28.66	52.037	34.14	-0.74	0	27.506	8.03	-81.4	1.4	0.1
7/8/2005	23:30:39	28.75	52.122	34.20	-0.74	0	27.536	8.04	-82.1	1.5	0.3
7/9/2005	0:00:39	28.75	51.731	33.91	-0.75	0	27.560	8.04	-81.8	1.4	0.3
7/9/2005	0:30:39	28.74	51.612	33.82	-0.75	0	27.576	8.02	-80.7	1.5	0.4
7/9/2005	1:00:39	28.73	51.778	33.94	-0.75	0	27.593	8.02	-80.7	1.4	0.4
7/9/2005	1:30:39	28.72	51.707	33.89	-0.75	0	27.649	8.01	-80.4	1.5	0.3
7/9/2005	2:00:39	28.72	50.659	33.12	-0.75	0	27.682	7.99	-79.2	1.5	0.3
7/9/2005	2:30:39	28.67	51.949	34.07	-0.75	0	27.701	8.01	-80.4	1.4	0.3
7/9/2005	3:00:39	28.66	51.839	33.99	-0.75	0	27.760	8.01	-80.4	1.6	0.4
7/9/2005	3:30:39	28.64	50.033	32.66	-0.75	0	27.838	8.01	-80.2	1.4	0.2
7/9/2005	4:00:39	28.62	51.999	34.11	-0.74	0	27.855	7.99	-79.5	1.4	0.3
7/9/2005	4:30:39	28.55	53.436	35.18	-0.74	1	27.868	8.03	-81.5	1.6	0.3
7/9/2005	5:00:39	28.19	53.226	35.03	-0.74	0	27.909	8.02	-80.7	1.6	0.3
7/9/2005	5:30:39	27.54	52.907	34.82	-0.72	0	27.952	8.01	-80.1	1.4	0.3
7/9/2005	6:00:39	27.18	52.777	34.73	-0.71	0	27.985	8.02	-80.4	1.4	0.3
7/9/2005	6:30:39	27.24	52.860	34.79	-0.69	0	28.001	8.02	-80.6	2.0	0.3
7/9/2005	7:00:39	27.01	52.642	34.63	-0.67	0	28.023	8.03	-81.2	4.8	0.4
7/9/2005	7:30:39	26.78	52.589	34.60	-0.66	0	28.042	8.03	-80.9	10.3	0.4
7/9/2005	8:00:39	26.70	52.786	34.75	-0.65	0	28.061	8.02	-80.6	16.6	0.4
7/9/2005	8:30:39	26.77	52.722	34.70	-0.65	0	28.063	8.03	-80.9	27.9	0.4
7/9/2005	9:00:39	26.84	52.659	34.65	-0.64	0	28.094	8.04	-81.9	41.5	0.4
7/9/2005	9:30:39	26.80	52.708	34.69	-0.65	0	28.067	8.05	-82.3	58.3	0.4
7/9/2005	10:00:39	26.84	52.695	34.68	-0.65	0	28.084	8.05	-82.5	68.0	0.6
7/9/2005	10:30:39	27.02	52.657	34.65	-0.65	0	28.061	8.04	-81.7	37.1	0.6
7/9/2005	11:00:39	26.97	52.661	34.65	-0.65	0	28.068	8.06	-83.1	83.4	0.3
7/9/2005	11:30:39	27.03	52.654	34.64	-0.66	0	28.058	8.07	-83.5	99.6	0.4
7/9/2005	12:00:39	27.05	52.658	34.65	-0.67	0	28.041	8.08	-84.3	98.1	0.3
7/9/2005	12:30:39	27.12	52.646	34.63	-0.68	0	28.003	8.09	-84.6	102.4	0.3
7/9/2005	13:00:39	27.14	52.638	34.63	-0.68	0	27.984	8.09	-84.7	105.2	0.3
7/9/2005	13:30:39	27.19	52.613	34.61	-0.68	0	27.979	8.08	-84.1	113.4	0.4
7/9/2005	14:00:39	27.26	52.607	34.60	-0.68	0	27.960	8.08	-84.2	113.6	0.4
7/9/2005	14:30:39	27.30	52.615	34.61	-0.69	0	27.935	8.10	-85.4	108.9	0.5
7/9/2005	15:00:39	27.33	52.132	34.25	-0.69	0	27.916	8.07	-83.4	95.6	0.4
7/9/2005	15:30:39	27.36	51.526	33.80	-0.69	0	27.892	8.07	-83.6	52.8	0.5
7/9/2005	16:00:39	27.38	51.861	34.05	-0.69	0	27.868	8.09	-84.8	85.6	0.3
7/9/2005	16:30:39	27.44	51.692	33.92	-0.69	0	27.819	8.08	-84.0	64.5	0.3
7/9/2005	17:00:39	27.45	52.363	34.42	-0.69	0	27.813	8.06	-82.9	50.2	0.6
7/9/2005	17:30:39	27.46	51.497	33.78	-0.70	0	27.782	8.05	-82.2	39.5	0.3
7/9/2005	18:00:39	26.97	52.216	34.32	-0.69	0	27.730	8.03	-81.0	27.7	0.3
7/9/2005	18:30:39	27.00	52.221	34.32	-0.68	0	27.699	8.03	-81.1	19.0	0.2
7/9/2005	19:00:39	27.00	52.503	34.53	-0.67	0	27.660	8.02	-80.6	12.0	0.3
7/9/2005	19:30:39	27.06	52.045	34.19	-0.67	0	27.640	8.01	-80.0	6.8	0.5
7/9/2005	20:00:39	27.05	49.640	32.42	-0.68	0	27.626	8.01	-79.8	3.0	0.6
7/9/2005	20:30:39	27.04	50.081	32.75	-0.68	0	27.599	7.99	-79.1	1.5	0.4
7/9/2005	21:00:39	27.15	50.291	32.90	-0.68	0	27.553	8.02	-80.7	1.5	0.4
7/9/2005	21:30:39	27.16	50.066	32.73	-0.68	0	27.545	8.01	-79.8	1.5	0.5
7/9/2005	22:00:39	27.18	49.699	32.46	-0.69	0	27.535	8.01	-79.9	1.4	0.4
7/9/2005	22:30:39	27.25	51.149	33.53	-0.68	0	27.502	8.01	-80.2	1.4	0.4
7/9/2005	23:00:39	26.93	50.766	33.25	-0.68	0	27.508	7.99	-78.7	1.5	0.4
7/9/2005	23:30:39	26.90	49.948	32.65	-0.68	0	27.518	8.00	-79.7	1.4	0.4
7/10/2005	0:00:39	26.98	50.667	33.18	-0.67	0	27.499	8.00	-79.3	1.4	0.5
7/10/2005	0:30:39	27.01	50.245	32.87	-0.68	0	27.560	7.98	-78.1	1.5	0.4
7/10/2005	1:00:39	27.15	51.170	33.54	-0.68	0	27.534	8.02	-80.6	1.6	0.4
7/10/2005	1:30:39	26.94	50.829	33.30	-0.69	0	27.605	8.02	-80.6	1.5	0.4
7/10/2005	2:00:39	26.40	50.061	32.75	-0.67	0	27.603	8.02	-80.3	1.5	0.4
7/10/2005	2:30:39	26.25	50.868	33.35	-0.66	0	27.676	8.03	-81.3	1.6	0.4
7/10/2005	3:00:39	26.33	48.611	31.69	-0.66	0	27.771	8.03	-80.9	1.5	0.5
7/10/2005	3:30:39	26.36	50.695	33.22	-0.65	0	27.745	8.03	-81.0	1.6	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/10/2005	4:00:39	26.06	50.056	32.75	-0.64	0	27.762	8.02	-80.4	1.5	0.5
7/10/2005	4:30:39	25.86	50.384	33.00	-0.64	0	27.808	8.03	-81.1	1.5	0.5
7/10/2005	5:00:39	25.97	50.143	32.82	-0.63	1	27.807	8.03	-81.1	1.6	0.7
7/10/2005	5:30:39	25.67	52.511	34.57	-0.62	0	27.862	8.01	-79.8	1.5	0.4
7/10/2005	6:00:39	25.16	52.531	34.60	-0.60	0	27.896	8.02	-80.1	1.5	0.4
7/10/2005	6:30:39	24.65	52.692	34.73	-0.58	0	27.852	8.02	-80.4	2.1	0.4
7/10/2005	7:00:39	24.43	52.746	34.78	-0.56	0	28.005	8.04	-81.1	5.2	0.4
7/10/2005	7:30:39	24.35	52.783	34.81	-0.55	0	27.895	8.05	-81.7	11.4	0.4
7/10/2005	8:00:39	24.43	52.770	34.79	-0.54	0	27.965	8.05	-81.7	20.3	0.5
7/10/2005	8:30:39	24.46	52.758	34.78	-0.54	0	27.805	8.05	-81.7	32.5	0.4
7/10/2005	9:00:39	24.50	52.305	34.45	-0.54	0	28.014	8.04	-81.5	19.2	0.4
7/10/2005	9:30:39	24.50	52.755	34.78	-0.54	0	27.918	8.05	-81.8	34.0	0.5
7/10/2005	10:00:39	24.60	52.730	34.76	-0.55	0	27.960	8.04	-81.5	68.4	0.4
7/10/2005	10:30:39	24.71	52.699	34.73	-0.55	0	28.153	8.04	-81.4	70.6	0.6
7/10/2005	11:00:39	24.78	52.685	34.72	-0.56	0	28.166	8.04	-81.5	90.1	0.4
7/10/2005	11:30:39	25.16	52.580	34.64	-0.56	0	28.070	8.05	-82.2	63.7	0.4
7/10/2005	12:00:39	25.30	52.599	34.65	-0.57	0	28.036	8.06	-82.6	97.1	0.5
7/10/2005	12:30:39	25.82	52.528	34.58	-0.58	0	28.066	8.07	-83.4	97.3	0.6
7/10/2005	13:00:39	26.32	52.564	34.60	-0.61	0	27.787	8.07	-83.6	107.7	0.4
7/10/2005	13:30:39	26.61	52.632	34.64	-0.63	0	28.042	8.08	-83.9	108.2	0.1
7/10/2005	14:00:39	27.29	52.849	34.78	-0.66	1	28.173	8.09	-84.5	26.7	0.4
7/10/2005	14:30:39	27.69	53.027	34.90	-0.68	0	27.938	8.08	-84.4	97.8	0.6
7/10/2005	15:00:39	26.79	52.734	34.71	-0.69	0	28.411	8.04	-81.7	101.0	0.7
7/10/2005	15:30:39	25.81	52.335	34.44	-0.65	0	27.998	8.05	-82.0	80.8	0.3
7/10/2005	16:00:39	26.82	52.851	34.80	-0.65	0	28.009	8.09	-84.4	71.3	6.2
7/10/2005	16:30:39	27.83	53.229	35.05	-0.66	0	27.405	8.10	-85.3	66.2	0.3
7/10/2005	17:00:39	28.31	53.496	35.23	-0.70	0	27.616	8.09	-84.9	51.4	0.7
7/10/2005	17:30:39	28.16	51.297	33.61	-0.73	0	27.560	8.07	-83.8	41.2	0.4
7/10/2005	18:00:39	28.09	53.481	35.22	-0.74	0	27.604	8.07	-83.6	16.9	0.3
7/10/2005	18:30:39	27.98	53.456	35.21	-0.74	0	27.645	8.06	-83.2	18.9	0.3
7/10/2005	19:00:39	27.92	53.424	35.19	-0.74	0	27.587	8.06	-83.3	12.3	1.2
7/10/2005	19:30:39	27.96	53.432	35.19	-0.73	0	27.583	8.06	-83.3	6.3	0.4
7/10/2005	20:00:39	27.92	52.897	34.80	-0.73	0	27.580	8.06	-83.3	2.8	0.3
7/10/2005	20:30:39	27.91	51.803	33.99	-0.74	0	27.586	8.06	-83.1	1.6	0.3
7/10/2005	21:00:39	28.03	51.524	33.78	-0.74	0	27.819	8.06	-83.3	1.5	0.4
7/10/2005	21:30:39	28.09	51.534	33.78	-0.74	0	27.919	8.06	-83.2	1.6	0.6
7/10/2005	22:00:39	28.12	51.404	33.69	-0.75	0	27.239	8.06	-83.1	1.5	0.5
7/10/2005	22:30:39	27.82	51.067	33.45	-0.75	0	27.873	8.05	-82.6	1.4	0.3
7/10/2005	23:00:39	27.15	50.971	33.40	-0.73	0	27.361	8.04	-81.8	1.5	0.5
7/10/2005	23:30:39	26.85	51.292	33.64	-0.71	0	27.940	8.05	-82.0	1.4	0.6
7/11/2005	0:00:39	26.61	51.076	33.49	-0.69	0	27.846	8.05	-82.0	1.4	0.5
7/11/2005	0:30:39	26.52	50.953	33.40	-0.68	0	27.403	8.04	-81.9	1.5	0.9
7/11/2005	1:00:39	26.51	51.268	33.63	-0.67	0	27.311	8.04	-81.9	1.5	0.4
7/11/2005	1:30:39	26.41	51.063	33.49	-0.66	0	27.209	8.04	-81.7	1.3	1.2
7/11/2005	2:00:39	26.33	51.870	34.08	-0.65	0	27.597	8.04	-81.7	1.5	0.4
7/11/2005	2:30:39	26.35	50.503	33.07	-0.65	0	27.258	8.04	-81.7	1.4	0.5
7/11/2005	3:00:39	26.25	51.165	33.56	-0.65	0	27.584	8.04	-81.7	1.4	0.3
7/11/2005	3:30:39	26.19	51.457	33.78	-0.65	0	27.500	8.05	-81.9	1.5	0.5
7/11/2005	4:00:39	26.18	51.631	33.91	-0.65	0	27.849	8.04	-81.5	1.4	0.6
7/11/2005	4:30:39	26.02	50.836	33.33	-0.64	0	27.891	8.04	-81.5	1.5	0.6
7/11/2005	5:00:39	25.49	52.910	34.87	-0.63	0	27.649	8.01	-80.0	1.3	0.4
7/11/2005	5:30:39	25.66	52.861	34.83	-0.62	0	27.540	8.03	-81.1	1.4	0.5
7/11/2005	6:00:39	25.69	52.805	34.79	-0.62	0	27.793	8.03	-80.8	1.4	0.4
7/11/2005	6:30:39	25.63	51.748	34.01	-0.62	0	27.960	8.03	-81.1	1.7	0.3
7/11/2005	7:00:39	25.36	51.676	33.96	-0.62	0	28.049	8.02	-80.1	4.4	0.4
7/11/2005	7:30:39	24.82	52.607	34.66	-0.60	0	28.029	8.04	-81.1	7.8	0.4
7/11/2005	8:00:39	24.88	52.348	34.47	-0.58	0	28.044	8.04	-81.6	10.9	0.4
7/11/2005	8:30:39	24.96	52.344	34.47	-0.58	0	27.850	8.05	-81.7	17.7	0.4
7/11/2005	9:00:39	25.20	52.490	34.57	-0.58	0	27.869	8.04	-81.6	20.1	0.4
7/11/2005	9:30:39	25.43	51.356	33.73	-0.58	0	27.988	8.06	-82.6	17.2	0.5
7/11/2005	10:00:39	25.51	51.719	33.99	-0.60	0	27.882	8.05	-81.9	6.7	0.4
7/11/2005	10:30:39	25.08	51.899	34.13	-0.59	0	27.781	8.02	-80.3	9.0	0.3
7/11/2005	11:00:39	25.12	51.901	34.14	-0.60	0	27.960	8.03	-80.7	16.9	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/11/2005	11:30:39	25.09	51.808	34.07	-0.59	0	27.888	8.04	-81.4	32.4	0.4
7/11/2005	12:00:39	24.87	51.837	34.09	-0.58	0	27.861	8.06	-82.3	74.8	0.6
7/11/2005	12:30:39	24.73	52.016	34.23	-0.58	0	27.821	8.06	-82.6	78.7	0.4
7/11/2005	13:00:39	24.89	52.178	34.35	-0.58	0	27.877	8.08	-83.5	87.9	0.4
7/11/2005	13:30:39	24.90	52.181	34.35	-0.58	1	27.909	8.07	-83.0	68.4	0.3
7/11/2005	14:00:39	24.97	52.283	34.42	-0.58	0	27.931	8.08	-83.9	83.7	0.4
7/11/2005	14:30:39	25.01	51.993	34.21	-0.58	0	27.926	8.07	-83.3	59.7	0.4
7/11/2005	15:00:39	25.09	51.965	34.18	-0.58	0	27.786	8.08	-83.4	55.6	0.4
7/11/2005	15:30:39	25.14	51.933	34.16	-0.59	0	27.967	8.08	-83.7	65.7	0.4
7/11/2005	16:00:39	25.17	51.909	34.14	-0.59	0	27.912	8.08	-83.7	54.9	0.3
7/11/2005	16:30:39	25.20	51.848	34.09	-0.59	0	27.798	8.08	-83.6	46.7	0.4
7/11/2005	17:00:39	25.22	51.851	34.10	-0.59	0	27.824	8.07	-83.0	35.3	0.5
7/11/2005	17:30:39	25.23	51.797	34.06	-0.59	0	27.918	8.07	-83.1	28.0	0.5
7/11/2005	18:00:39	25.16	51.236	33.64	-0.59	0	27.804	8.06	-82.8	20.4	0.3
7/11/2005	18:30:39	25.03	51.236	33.65	-0.59	0	27.897	8.06	-82.2	14.1	0.5
7/11/2005	19:00:39	25.02	51.598	33.91	-0.59	0	27.841	8.06	-82.3	9.5	0.3
7/11/2005	19:30:39	25.02	52.513	34.59	-0.58	0	27.700	8.05	-82.0	5.4	0.6
7/11/2005	20:00:39	25.03	51.265	33.67	-0.59	0	27.879	8.05	-81.7	2.7	0.4
7/11/2005	20:30:39	25.00	52.463	34.55	-0.58	0	27.787	8.04	-81.2	1.5	0.5
7/11/2005	21:00:39	25.01	52.425	34.53	-0.58	0	27.797	8.04	-81.3	1.5	0.4
7/11/2005	21:30:39	25.00	52.405	34.51	-0.58	0	27.729	8.04	-81.2	1.4	0.3
7/11/2005	22:00:39	25.00	52.390	34.50	-0.58	0	27.741	8.04	-81.2	1.4	0.3
7/11/2005	22:30:39	24.97	52.349	34.47	-0.58	0	27.669	8.04	-81.2	1.4	0.5
7/11/2005	23:00:39	24.81	52.247	34.40	-0.58	0	27.832	8.01	-79.7	1.5	4.2
7/11/2005	23:30:39	24.57	52.241	34.40	-0.57	0	27.796	8.03	-80.6	1.5	0.4
7/12/2005	0:00:39	24.57	52.291	34.44	-0.57	0	27.700	8.02	-80.3	1.5	0.4
7/12/2005	0:30:39	24.61	52.237	34.40	-0.56	0	27.767	8.03	-80.5	1.4	0.4
7/12/2005	1:00:39	24.47	52.064	34.27	-0.56	1	27.737	8.04	-81.4	1.5	0.6
7/12/2005	1:30:39	24.37	52.149	34.33	-0.55	0	27.711	8.06	-82.2	1.5	0.6
7/12/2005	2:00:39	24.30	52.064	34.27	-0.55	0	27.796	8.07	-82.7	1.5	0.4
7/12/2005	2:30:39	24.25	52.077	34.28	-0.54	0	27.810	8.07	-82.9	1.6	0.5
7/12/2005	3:00:39	24.23	52.141	34.33	-0.54	0	27.854	8.06	-82.6	1.5	0.6
7/12/2005	3:30:39	23.78	52.829	34.85	-0.42	0	27.843	8.06	-82.5	1.6	0.4
7/12/2005	4:00:39	23.75	52.809	34.84	-0.41	0	27.874	8.08	-83.1	1.5	0.6
7/12/2005	4:30:39	23.76	52.743	34.79	-0.41	0	27.847	8.07	-83.1	1.5	0.6
7/12/2005	5:00:39	23.77	52.756	34.80	-0.40	0	27.872	8.07	-83.0	1.5	0.5
7/12/2005	5:30:39	23.79	52.742	34.79	-0.40	0	27.874	8.07	-82.8	1.6	0.4
7/12/2005	6:00:39	23.81	52.692	34.75	-0.40	0	27.939	8.06	-82.5	1.4	0.5
7/12/2005	6:30:39	23.83	51.090	33.56	-0.41	0	27.938	8.06	-82.5	1.8	0.5
7/12/2005	7:00:39	23.85	49.355	32.29	-0.41	0	28.057	8.06	-82.4	3.7	0.5
7/12/2005	7:30:39	23.87	51.309	33.72	-0.41	0	28.021	8.06	-82.1	7.0	0.6
7/12/2005	8:00:39	23.89	51.255	33.68	-0.41	0	28.037	8.06	-82.0	11.0	0.6
7/12/2005	8:30:39	23.91	51.125	33.59	-0.41	0	28.051	8.06	-82.0	15.6	0.4
7/12/2005	9:00:39	24.01	49.202	32.17	-0.42	0	28.140	8.05	-81.6	12.5	0.4
7/12/2005	9:30:39	24.09	49.719	32.55	-0.42	0	28.018	8.05	-81.8	28.7	0.5
7/12/2005	10:00:39	24.16	49.399	32.31	-0.42	0	28.067	8.05	-81.8	34.5	0.4
7/12/2005	10:30:39	24.25	49.291	32.23	-0.43	0	28.018	8.05	-81.9	43.1	0.5
7/12/2005	11:00:39	24.25	49.357	32.28	-0.43	0	27.996	8.05	-81.8	25.2	0.5
7/12/2005	11:30:39	24.36	49.535	32.41	-0.44	0	27.988	8.06	-82.4	58.2	0.4
7/12/2005	12:00:39	24.48	51.722	34.02	-0.44	0	27.969	8.06	-82.6	59.5	0.4
7/12/2005	12:30:39	24.52	52.303	34.45	-0.44	0	27.994	8.07	-83.1	66.8	0.3
7/12/2005	13:00:39	24.71	51.915	34.15	-0.44	0	27.947	8.08	-83.3	69.3	0.4
7/12/2005	13:30:39	24.67	50.206	32.90	-0.45	0	27.966	8.08	-83.4	90.7	0.5
7/12/2005	14:00:39	24.72	51.938	34.17	-0.45	0	27.933	8.09	-84.0	83.9	0.5
7/12/2005	14:30:39	24.76	51.883	34.13	-0.45	0	27.898	8.09	-84.3	84.2	0.4
7/12/2005	15:00:39	24.82	50.390	33.03	-0.46	0	27.936	8.09	-84.0	82.2	0.5
7/12/2005	15:30:39	24.86	50.925	33.42	-0.46	0	27.925	8.09	-84.5	68.4	0.4
7/12/2005	16:00:39	24.89	49.694	32.52	-0.46	0	27.951	8.09	-84.2	70.2	0.6
7/12/2005	16:30:39	24.93	49.998	32.74	-0.46	0	27.913	8.09	-84.2	65.8	0.5
7/12/2005	17:00:39	24.94	51.176	33.60	-0.46	0	27.909	8.09	-84.0	52.3	0.4
7/12/2005	17:30:39	24.99	51.154	33.59	-0.46	0	27.898	8.08	-83.4	41.2	0.5
7/12/2005	18:00:39	24.97	51.186	33.61	-0.46	0	27.899	8.08	-83.5	21.6	0.5
7/12/2005	18:30:39	25.00	51.170	33.60	-0.46	0	27.883	8.07	-83.0	16.4	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/12/2005	19:00:39	25.03	50.940	33.43	-0.46	0	27.895	8.06	-82.5	8.2	0.4
7/12/2005	19:30:39	25.70	53.092	35.00	-0.47	0	27.863	8.08	-83.7	7.8	0.4
7/12/2005	20:00:39	25.99	53.235	35.10	-0.49	0	27.879	8.08	-83.7	3.3	0.4
7/12/2005	20:30:39	26.43	53.453	35.25	-0.51	0	27.794	8.08	-84.0	1.6	0.3
7/12/2005	21:00:39	26.89	50.010	32.70	-0.54	0	27.919	8.08	-84.0	1.6	0.4
7/12/2005	21:30:39	27.11	50.424	33.00	-0.56	0	27.916	8.07	-83.5	1.5	0.3
7/12/2005	22:00:39	27.38	50.111	32.76	-0.58	0	27.901	8.07	-83.3	1.5	0.7
7/12/2005	22:30:39	27.33	51.350	33.67	-0.58	0	27.846	8.05	-82.3	1.5	0.6
7/12/2005	23:00:39	27.27	50.914	33.35	-0.59	0	27.858	8.03	-81.3	1.5	0.4
7/12/2005	23:30:39	27.50	51.467	33.75	-0.59	0	27.884	8.04	-81.6	1.5	0.5
7/13/2005	0:00:39	27.59	50.949	33.37	-0.60	0	27.844	8.05	-82.2	1.5	0.3
7/13/2005	0:30:39	27.47	50.480	33.03	-0.60	0	27.848	8.06	-82.8	1.5	0.3
7/13/2005	1:00:39	27.47	50.549	33.08	-0.60	0	27.870	8.06	-82.9	1.6	0.5
7/13/2005	1:30:39	27.50	50.642	33.14	-0.60	0	27.882	8.06	-82.8	1.5	0.5
7/13/2005	2:00:39	27.48	50.617	33.13	-0.60	0	27.885	8.05	-82.3	1.5	0.3
7/13/2005	2:30:39	26.56	51.657	33.92	-0.57	0	27.873	8.01	-80.1	1.5	0.6
7/13/2005	3:00:39	26.93	51.107	33.50	-0.57	0	27.902	8.03	-81.3	1.5	0.7
7/13/2005	3:30:39	27.04	50.292	32.90	-0.56	0	27.906	8.04	-81.6	1.5	0.4
7/13/2005	4:00:39	27.14	50.930	33.37	-0.56	0	27.925	8.03	-81.3	1.5	0.7
7/13/2005	4:30:39	27.27	51.193	33.56	-0.56	0	27.925	8.03	-81.1	1.5	0.9
7/13/2005	5:00:39	27.28	50.530	33.07	-0.57	0	27.930	8.02	-80.6	1.6	0.4
7/13/2005	5:30:39	27.57	50.655	33.15	-0.58	1	27.953	8.03	-81.4	1.5	0.4
7/13/2005	6:00:39	27.50	50.194	32.82	-0.59	0	27.947	8.03	-81.4	1.6	0.4
7/13/2005	6:30:39	27.38	49.687	32.45	-0.59	0	28.007	8.04	-81.7	2.0	0.3
7/13/2005	7:00:39	27.41	48.687	31.72	-0.60	0	28.032	8.04	-82.1	5.7	0.3
7/13/2005	7:30:39	27.18	48.125	31.31	-0.58	0	27.984	8.04	-81.8	12.0	0.3
7/13/2005	8:00:39	27.28	48.629	31.68	-0.59	0	28.071	8.05	-82.6	18.8	434.0
7/13/2005	8:30:39	27.48	48.508	31.58	-0.59	0	28.050	8.06	-83.2	27.6	0.3
7/13/2005	9:00:39	27.57	48.801	31.79	-0.59	0	28.090	8.06	-82.9	38.6	0.4
7/13/2005	9:30:39	26.26	50.526	33.09	-0.56	0	28.001	8.03	-80.9	52.0	0.3
7/13/2005	10:00:39	26.27	50.339	32.96	-0.55	0	27.954	8.04	-81.4	65.7	0.4
7/13/2005	10:30:39	26.41	51.345	33.69	-0.54	0	27.960	8.05	-82.2	75.6	0.3
7/13/2005	11:00:39	26.44	51.775	34.01	-0.54	0	27.948	8.06	-82.5	92.6	0.4
7/13/2005	11:30:39	26.50	51.744	33.99	-0.54	0	27.950	8.06	-82.7	102.3	0.3
7/13/2005	12:00:39	26.59	51.781	34.01	-0.54	0	27.884	8.07	-83.1	118.2	0.4
7/13/2005	12:30:39	26.89	52.034	34.19	-0.55	0	27.915	8.08	-83.8	118.3	0.3
7/13/2005	13:00:39	26.78	49.524	32.34	-0.56	0	27.902	8.08	-83.7	123.4	0.3
7/13/2005	13:30:39	26.99	49.898	32.61	-0.56	0	27.912	8.08	-83.9	125.5	0.3
7/13/2005	14:00:39	26.95	48.988	31.95	-0.57	0	27.888	8.09	-84.5	126.8	0.3
7/13/2005	14:30:39	27.15	49.416	32.26	-0.57	0	27.857	8.09	-84.9	108.9	0.3
7/13/2005	15:00:39	27.10	49.400	32.24	-0.58	0	27.808	8.09	-84.8	119.7	0.7
7/13/2005	15:30:39	27.22	50.054	32.72	-0.58	0	27.861	8.09	-84.7	115.0	0.4
7/13/2005	16:00:39	27.33	49.993	32.67	-0.58	0	27.827	8.10	-85.2	92.9	0.4
7/13/2005	16:30:39	27.35	50.038	32.71	-0.59	0	27.815	8.08	-84.4	81.2	0.4
7/13/2005	17:00:39	27.91	49.534	32.32	-0.59	0	27.866	8.08	-84.5	71.0	0.5
7/13/2005	17:30:39	27.85	50.457	33.00	-0.61	0	27.875	8.06	-83.1	60.5	0.3
7/13/2005	18:00:39	27.90	49.990	32.65	-0.61	0	27.839	8.06	-83.0	42.7	0.3
7/13/2005	18:30:39	27.81	50.204	32.81	-0.61	0	27.835	8.05	-82.5	15.6	0.4
7/13/2005	19:00:39	27.79	50.125	32.76	-0.61	0	27.866	8.04	-82.1	12.3	0.2
7/13/2005	19:30:39	27.78	50.143	32.77	-0.61	1	27.882	8.03	-81.6	9.9	0.6
7/13/2005	20:00:39	27.75	49.736	32.47	-0.61	0	27.909	8.03	-81.1	3.3	0.4
7/13/2005	20:30:39	27.71	53.785	35.46	-0.60	0	27.834	8.02	-80.7	1.6	0.3
7/13/2005	21:00:39	27.69	53.639	35.35	-0.60	0	27.881	8.02	-80.5	1.5	0.2
7/13/2005	21:30:39	27.67	53.632	35.35	-0.60	0	27.879	8.00	-79.7	1.4	0.4
7/13/2005	22:00:39	27.44	53.421	35.20	-0.59	0	27.881	8.01	-80.0	1.5	0.5
7/13/2005	22:30:39	27.47	53.444	35.22	-0.59	0	27.880	8.01	-80.3	1.5	0.7
7/13/2005	23:00:39	27.39	53.374	35.17	-0.59	0	27.874	8.00	-79.6	1.6	0.5
7/13/2005	23:30:39	27.28	53.478	35.25	-0.58	0	27.906	8.00	-79.3	1.5	0.7
7/14/2005	0:00:39	27.32	53.604	35.34	-0.58	0	27.896	8.01	-80.1	1.5	0.3
7/14/2005	0:30:39	27.32	53.624	35.35	-0.58	0	27.883	8.00	-79.7	1.6	0.3
7/14/2005	1:00:39	27.39	53.681	35.40	-0.58	0	27.895	8.02	-80.5	1.5	0.6
7/14/2005	1:30:39	27.38	53.695	35.41	-0.58	0	27.927	8.01	-80.2	1.5	0.6
7/14/2005	2:00:39	27.17	53.683	35.40	-0.58	0	27.899	8.02	-80.8	1.4	0.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/14/2005	2:30:39	26.98	53.713	35.43	-0.57	0	27.892	8.02	-80.4	1.5	0.3
7/14/2005	3:00:39	26.96	53.722	35.44	-0.57	0	27.894	8.03	-81.2	1.5	0.3
7/14/2005	3:30:39	26.83	53.995	35.64	-0.56	0	27.889	8.04	-81.5	1.6	0.3
7/14/2005	4:00:39	26.69	54.042	35.68	-0.55	0	27.917	8.04	-81.7	1.4	0.3
7/14/2005	4:30:39	26.69	54.036	35.68	-0.55	0	27.914	8.04	-81.8	1.5	0.4
7/14/2005	5:00:39	26.68	54.031	35.68	-0.54	1	27.923	8.05	-82.0	1.4	1.5
7/14/2005	5:30:39	26.86	54.080	35.71	-0.54	0	27.940	8.05	-82.3	1.5	0.3
7/14/2005	6:00:39	26.96	54.120	35.73	-0.55	0	27.940	8.04	-81.9	1.5	0.3
7/14/2005	6:30:39	26.92	52.794	34.75	-0.56	0	27.974	8.04	-81.9	2.0	0.3
7/14/2005	7:00:39	26.81	52.527	34.56	-0.55	0	27.946	8.04	-81.8	5.8	0.3
7/14/2005	7:30:39	26.98	52.667	34.65	-0.55	0	27.970	8.05	-82.2	12.7	0.4
7/14/2005	8:00:39	26.94	52.658	34.65	-0.56	0	27.983	8.04	-81.8	22.1	0.4
7/14/2005	8:30:39	27.02	52.692	34.67	-0.56	0	28.000	8.03	-81.3	31.1	0.3
7/14/2005	9:00:39	27.12	50.986	33.41	-0.57	0	28.026	8.04	-81.7	53.6	0.2
7/14/2005	9:30:39	27.16	51.520	33.80	-0.57	0	27.996	8.03	-81.5	54.3	0.4
7/14/2005	10:00:39	27.17	52.548	34.56	-0.57	0	27.950	8.04	-81.5	62.6	0.4
7/14/2005	10:30:39	27.19	51.064	33.46	-0.58	0	27.961	8.04	-81.9	93.6	0.4
7/14/2005	11:00:39	27.22	52.795	34.74	-0.58	0	27.934	8.04	-82.0	90.4	0.4
7/14/2005	11:30:39	27.27	52.714	34.68	-0.58	0	27.890	8.05	-82.3	102.2	0.3
7/14/2005	12:00:39	27.47	52.801	34.74	-0.59	0	27.856	8.07	-83.8	119.1	0.1
7/14/2005	12:30:39	27.75	52.808	34.74	-0.60	0	27.861	8.08	-84.5	146.7	0.2
7/14/2005	13:00:39	27.47	52.744	34.70	-0.60	0	27.813	8.04	-82.1	115.8	0.3
7/14/2005	13:30:39	27.53	52.546	34.55	-0.61	0	27.792	8.05	-82.4	124.8	0.3
7/14/2005	14:00:39	27.53	52.573	34.57	-0.61	0	27.798	8.06	-82.8	127.3	0.1
7/14/2005	14:30:39	27.93	52.809	34.73	-0.61	0	27.747	8.09	-84.7	125.9	0.1
7/14/2005	15:00:39	27.72	52.731	34.68	-0.62	1	27.750	8.07	-83.4	121.1	0.3
7/14/2005	15:30:39	27.82	52.749	34.69	-0.62	0	27.753	8.09	-84.8	105.6	0.3
7/14/2005	16:00:39	27.73	52.665	34.63	-0.62	0	27.698	8.05	-82.2	32.6	0.3
7/14/2005	16:30:39	27.77	52.683	34.64	-0.62	0	27.755	8.07	-83.9	87.7	0.1
7/14/2005	17:00:39	27.70	52.613	34.59	-0.61	0	27.771	8.06	-83.2	82.2	0.3
7/14/2005	17:30:39	27.71	52.643	34.62	-0.61	0	27.773	8.06	-83.1	61.2	0.3
7/14/2005	18:00:39	27.69	52.697	34.66	-0.61	0	27.776	8.05	-82.3	49.0	0.3
7/14/2005	18:30:39	27.71	52.683	34.64	-0.61	0	27.776	8.04	-82.0	28.9	0.3
7/14/2005	19:00:39	27.70	52.706	34.66	-0.61	0	27.797	8.04	-81.6	19.6	0.3
7/14/2005	19:30:39	27.71	51.884	34.05	-0.61	0	27.820	8.03	-81.2	10.3	0.4
7/14/2005	20:00:39	27.72	51.699	33.92	-0.61	0	27.815	8.01	-80.3	3.7	0.5
7/14/2005	20:30:39	27.51	54.109	35.71	-0.60	0	27.828	8.01	-80.0	1.6	0.2
7/14/2005	21:00:39	27.48	53.904	35.56	-0.60	0	27.837	8.01	-80.3	1.5	0.3
7/14/2005	21:30:39	27.33	54.185	35.77	-0.59	0	27.864	8.03	-81.1	1.4	0.3
7/14/2005	22:00:39	27.33	54.139	35.74	-0.59	0	27.892	8.03	-80.9	1.4	0.4
7/14/2005	22:30:39	27.32	54.114	35.72	-0.59	0	27.912	8.03	-81.3	1.5	0.3
7/14/2005	23:00:39	27.34	54.164	35.76	-0.59	0	27.944	8.03	-81.2	1.3	0.3
7/14/2005	23:30:39	27.35	54.172	35.76	-0.59	0	27.950	8.02	-80.9	1.4	0.3
7/15/2005	0:00:39	27.35	54.180	35.77	-0.59	0	27.979	8.03	-81.2	1.4	0.5
7/15/2005	0:30:39	27.36	54.165	35.76	-0.59	0	27.966	8.02	-80.6	1.5	0.5
7/15/2005	1:00:39	27.38	54.163	35.75	-0.59	0	27.966	8.01	-80.3	1.6	0.4
7/15/2005	1:30:39	27.37	54.158	35.75	-0.59	0	27.979	8.00	-79.6	1.4	0.3
7/15/2005	2:00:39	27.28	54.139	35.74	-0.59	1	27.960	8.01	-80.1	1.5	0.4
7/15/2005	2:30:39	27.19	54.120	35.73	-0.79	0	27.969	8.02	-80.6	1.5	0.4
7/15/2005	3:00:39	27.18	54.131	35.74	-0.78	0	27.966	8.00	-79.5	1.4	0.3
7/15/2005	3:30:39	27.20	54.130	35.73	-0.78	0	27.991	8.01	-80.0	1.4	0.9
7/15/2005	4:00:39	27.22	54.111	35.72	-0.78	0	27.979	8.04	-81.6	1.5	0.2
7/15/2005	4:30:39	27.22	54.109	35.72	-0.78	0	27.989	8.03	-81.4	1.4	0.4
7/15/2005	5:00:39	27.24	54.123	35.73	-0.78	0	27.965	8.03	-81.1	1.4	0.5
7/15/2005	5:30:39	27.27	54.124	35.73	-0.78	0	27.989	8.02	-80.4	1.5	0.3
7/15/2005	6:00:39	27.25	52.068	34.20	-0.79	0	28.033	8.00	-79.3	1.5	0.4
7/15/2005	6:30:39	26.31	52.406	34.48	-0.76	0	28.013	7.99	-78.7	1.9	0.3
7/15/2005	7:00:39	25.72	52.435	34.52	-0.73	0	28.015	8.00	-79.5	5.2	0.4
7/15/2005	7:30:39	25.64	52.445	34.53	-0.70	0	28.005	8.03	-80.7	12.8	0.3
7/15/2005	8:00:39	25.65	52.259	34.39	-0.68	0	28.003	8.03	-80.6	14.9	0.4
7/15/2005	8:30:39	25.67	49.809	32.58	-0.68	1	28.045	8.02	-80.4	25.7	0.4
7/15/2005	9:00:39	25.73	49.091	32.05	-0.68	0	28.069	8.04	-81.7	39.0	0.4
7/15/2005	9:30:39	25.42	50.399	33.02	-0.67	0	27.988	8.06	-82.7	52.7	1.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/15/2005	10:00:39	25.50	51.805	34.06	-0.67	0	27.942	8.07	-83.0	55.1	0.7
7/15/2005	10:30:39	25.45	51.823	34.07	-0.67	0	27.956	8.07	-83.3	82.4	0.5
7/15/2005	11:00:39	25.45	51.902	34.13	-0.66	0	27.913	8.08	-83.6	111.6	0.3
7/15/2005	11:30:39	25.50	50.455	33.06	-0.67	0	27.901	8.08	-83.7	118.5	0.4
7/15/2005	12:00:39	25.65	50.384	33.00	-0.68	0	27.883	8.10	-85.1	129.5	0.3
7/15/2005	12:30:39	25.64	50.442	33.05	-0.68	1	27.843	8.09	-84.2	97.9	0.3
7/15/2005	13:00:39	25.67	50.459	33.06	-0.68	0	27.817	8.07	-83.3	24.4	0.4
7/15/2005	13:30:39	25.71	51.598	33.90	-0.67	0	27.751	8.08	-83.8	48.6	0.3
7/15/2005	14:00:39	25.74	51.809	34.05	-0.68	0	27.732	8.08	-83.7	41.1	0.4
7/15/2005	14:30:39	25.84	51.749	34.01	-0.68	0	27.709	8.06	-82.9	31.2	0.3
7/15/2005	15:00:39	25.93	51.145	33.56	-0.69	0	27.697	8.06	-82.9	40.3	0.4
7/15/2005	15:30:39	26.02	50.883	33.36	-0.69	0	27.680	8.05	-82.3	26.9	0.3
7/15/2005	16:00:39	26.02	51.012	33.46	-0.70	0	27.647	8.06	-82.7	36.6	0.3
7/15/2005	16:30:39	26.10	50.916	33.38	-0.70	0	27.630	8.04	-81.7	15.8	0.3
7/15/2005	17:00:39	26.11	51.097	33.52	-0.70	0	27.640	8.05	-82.3	43.1	0.3
7/15/2005	17:30:39	26.18	51.140	33.55	-0.71	0	27.652	8.07	-83.4	60.7	0.3
7/15/2005	18:00:39	26.24	51.280	33.65	-0.71	0	27.688	8.05	-82.2	39.8	0.4
7/15/2005	18:30:39	26.25	51.449	33.77	-0.71	0	27.673	8.04	-81.7	23.9	0.3
7/15/2005	19:00:39	26.29	51.338	33.69	-0.72	0	27.745	8.03	-81.2	14.0	0.3
7/15/2005	19:30:39	26.35	50.096	32.78	-0.72	0	27.759	8.02	-80.7	7.0	0.4
7/15/2005	20:00:39	26.38	51.566	33.86	-0.71	0	27.784	8.02	-80.5	2.9	0.3
7/15/2005	20:30:39	26.38	54.142	35.77	-0.71	0	27.780	8.01	-80.1	1.6	0.3
7/15/2005	21:00:39	26.42	53.825	35.53	-0.71	0	27.817	8.01	-79.7	1.5	0.3
7/15/2005	21:30:39	26.47	54.038	35.69	-0.72	0	27.854	8.00	-79.3	1.6	0.3
7/15/2005	22:00:39	26.59	54.040	35.68	-0.72	0	27.878	8.00	-79.3	1.6	0.3
7/15/2005	22:30:39	26.55	54.059	35.70	-0.72	0	27.908	7.99	-78.6	1.6	0.7
7/15/2005	23:00:39	26.54	54.054	35.70	-0.73	0	27.947	7.98	-78.4	1.6	0.6
7/15/2005	23:30:39	26.42	54.252	35.85	-0.73	0	27.964	8.02	-80.7	1.5	0.3
7/16/2005	0:00:39	26.08	54.268	35.87	-0.71	0	27.979	8.05	-82.2	1.6	0.4
7/16/2005	0:30:39	26.10	54.280	35.88	-0.70	0	27.983	8.05	-81.9	1.7	0.3
7/16/2005	1:00:39	26.09	54.285	35.88	-0.70	0	28.012	8.04	-81.5	1.6	0.4
7/16/2005	1:30:39	26.12	54.281	35.88	-0.69	0	28.033	8.04	-81.3	1.6	0.4
7/16/2005	2:00:39	26.14	54.270	35.87	-0.69	0	28.036	8.04	-81.5	1.6	0.4
7/16/2005	2:30:39	26.13	54.278	35.87	-0.70	0	28.042	8.04	-81.4	1.7	0.4
7/16/2005	3:00:39	26.17	54.278	35.87	-0.70	1	28.043	8.03	-81.2	1.5	0.3
7/16/2005	3:30:39	26.17	54.280	35.87	-0.70	0	28.053	8.03	-81.0	1.6	0.3
7/16/2005	4:00:39	26.22	54.278	35.87	-0.70	0	28.051	8.02	-80.3	1.7	0.3
7/16/2005	4:30:39	26.21	54.274	35.87	-0.70	0	28.053	8.01	-80.0	1.5	0.3
7/16/2005	5:00:39	26.26	54.264	35.86	-0.71	0	28.029	8.00	-79.5	1.5	1.0
7/16/2005	5:30:39	26.29	54.226	35.83	-0.71	0	28.049	8.00	-79.5	1.7	0.3
7/16/2005	6:00:39	26.36	51.977	34.16	-0.72	0	28.063	8.00	-79.0	1.6	0.3
7/16/2005	6:30:39	26.20	52.261	34.38	-0.72	0	28.055	8.02	-80.7	2.0	0.3
7/16/2005	7:00:39	26.05	53.748	35.48	-0.71	0	28.033	8.03	-80.8	7.2	0.3
7/16/2005	7:30:39	26.11	49.011	31.99	-0.72	1	28.112	8.03	-81.1	13.8	0.2
7/16/2005	8:00:39	25.67	50.481	33.08	-0.70	0	28.090	8.03	-80.9	25.6	0.3
7/16/2005	8:30:39	25.78	50.784	33.30	-0.69	0	28.055	8.06	-82.4	23.8	0.4
7/16/2005	9:00:39	25.86	51.160	33.57	-0.69	0	28.042	8.05	-82.2	42.0	0.2
7/16/2005	9:30:39	25.86	50.668	33.21	-0.69	0	28.031	8.05	-82.3	65.4	0.4
7/16/2005	10:00:39	25.91	50.447	33.04	-0.69	0	27.996	8.04	-81.8	17.0	0.4
7/16/2005	10:30:39	25.83	50.512	33.09	-0.69	0	27.987	8.04	-81.5	25.5	0.4
7/16/2005	11:00:39	25.93	48.751	31.80	-0.70	0	27.980	8.06	-82.8	106.7	0.3
7/16/2005	11:30:39	25.98	50.425	33.03	-0.70	0	27.918	8.05	-82.2	57.3	0.4
7/16/2005	12:00:39	25.98	50.437	33.04	-0.70	0	27.885	8.08	-83.7	122.9	0.3
7/16/2005	12:30:39	26.02	49.797	32.56	-0.70	0	27.864	8.08	-84.0	105.4	0.3
7/16/2005	13:00:39	26.08	49.682	32.48	-0.71	0	27.821	8.09	-84.5	134.8	5.1
7/16/2005	13:30:39	26.14	49.547	32.38	-0.72	0	27.795	8.08	-83.8	131.2	0.3
7/16/2005	14:00:39	26.18	49.700	32.49	-0.72	0	27.746	8.06	-82.9	55.0	0.5
7/16/2005	14:30:39	26.22	49.692	32.48	-0.71	0	27.727	8.08	-83.7	79.6	0.6
7/16/2005	15:00:39	26.30	50.038	32.73	-0.72	0	27.666	8.09	-84.3	102.1	0.4
7/16/2005	15:30:39	26.32	49.790	32.55	-0.72	0	27.662	8.10	-84.8	102.7	0.3
7/16/2005	16:00:39	26.37	49.712	32.49	-0.72	0	27.628	8.09	-84.7	100.0	0.6
7/16/2005	16:30:39	26.43	50.277	32.91	-0.72	0	27.620	8.08	-83.7	85.5	0.8
7/16/2005	17:00:39	26.42	49.362	32.24	-0.73	0	27.610	8.06	-82.7	45.8	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/16/2005	17:30:39	26.46	49.478	32.32	-0.73	0	27.625	8.05	-82.1	17.3	0.4
7/16/2005	18:00:39	26.47	49.422	32.28	-0.73	0	27.624	8.05	-82.2	20.4	0.4
7/16/2005	18:30:39	26.51	49.088	32.03	-0.73	0	27.656	8.05	-82.2	32.5	0.2
7/16/2005	19:00:39	26.62	51.999	34.17	-0.73	0	27.636	8.03	-81.3	19.4	0.4
7/16/2005	19:30:39	26.62	52.121	34.26	-0.73	0	27.651	8.03	-81.2	9.0	0.4
7/16/2005	20:00:39	26.62	51.954	34.14	-0.73	0	27.689	8.02	-80.7	3.6	0.5
7/16/2005	20:30:39	26.69	54.298	35.87	-0.73	0	27.695	8.01	-80.1	1.7	0.5
7/16/2005	21:00:39	26.73	54.201	35.80	-0.73	0	27.724	8.01	-79.7	1.7	0.4
7/16/2005	21:30:39	26.67	54.221	35.82	-0.73	0	27.770	8.00	-79.4	1.7	0.4
7/16/2005	22:00:39	26.74	54.216	35.81	-0.73	0	27.833	8.00	-79.2	1.6	0.4
7/16/2005	22:30:39	26.73	54.211	35.81	-0.73	0	27.846	7.99	-78.6	1.7	0.3
7/16/2005	23:00:39	26.77	54.203	35.80	-0.73	0	27.901	7.99	-78.7	1.7	0.4
7/16/2005	23:30:39	26.87	54.214	35.81	-0.74	0	27.904	7.98	-78.2	1.6	0.4
7/17/2005	0:00:39	26.84	54.201	35.80	-0.74	0	27.997	7.97	-77.6	1.6	0.4
7/17/2005	0:30:39	26.87	54.201	35.80	-0.74	0	28.006	7.97	-77.6	1.7	0.5
7/17/2005	1:00:39	26.86	53.930	35.60	-0.74	0	28.016	7.96	-77.2	1.6	0.3
7/17/2005	1:30:39	26.90	54.208	35.80	-0.75	0	28.036	7.96	-76.9	1.6	0.5
7/17/2005	2:00:39	26.60	54.203	35.81	-0.74	1	28.060	8.02	-80.5	1.7	0.4
7/17/2005	2:30:39	26.73	54.196	35.80	-0.74	0	28.091	8.01	-80.0	1.7	0.7
7/17/2005	3:00:39	26.76	54.186	35.79	-0.74	0	28.087	8.00	-79.5	1.6	0.5
7/17/2005	3:30:39	26.19	54.325	35.91	-0.72	0	28.110	8.02	-80.4	1.7	0.7
7/17/2005	4:00:39	26.15	54.327	35.91	-0.71	0	28.118	8.03	-81.1	1.7	0.6
7/17/2005	4:30:39	26.12	54.331	35.91	-0.70	0	28.076	8.03	-81.1	1.7	0.6
7/17/2005	5:00:39	26.20	54.315	35.90	-0.70	0	28.090	8.03	-80.9	1.5	0.4
7/17/2005	5:30:39	26.20	54.168	35.79	-0.70	0	28.125	8.02	-80.6	1.6	0.4
7/17/2005	6:00:39	26.19	54.047	35.70	-0.70	0	28.093	8.02	-80.5	1.7	0.6
7/17/2005	6:30:39	26.24	47.791	31.09	-0.72	0	28.175	8.02	-80.4	2.0	0.4
7/17/2005	7:00:39	26.23	50.786	33.29	-0.71	0	28.066	8.00	-79.5	6.3	0.4
7/17/2005	7:30:39	26.19	50.745	33.26	-0.71	0	28.077	8.01	-79.8	11.0	0.3
7/17/2005	8:00:39	26.15	50.806	33.30	-0.71	0	28.091	8.00	-79.3	18.7	0.6
7/17/2005	8:30:39	26.22	50.788	33.29	-0.72	0	28.060	8.00	-79.3	16.1	0.8
7/17/2005	9:00:39	26.31	50.893	33.36	-0.72	0	28.066	8.00	-79.2	39.3	0.3
7/17/2005	9:30:39	26.26	50.510	33.08	-0.72	0	28.054	8.01	-79.8	52.2	0.4
7/17/2005	10:00:39	26.32	50.482	33.06	-0.73	0	28.032	8.00	-79.5	57.7	0.3
7/17/2005	10:30:39	26.36	51.629	33.90	-0.73	0	27.957	8.01	-79.8	79.1	0.3
7/17/2005	11:00:39	26.32	50.079	32.76	-0.73	0	27.995	8.04	-81.8	91.8	0.4
7/17/2005	11:30:39	26.29	51.433	33.76	-0.73	0	27.917	8.05	-82.2	106.6	0.3
7/17/2005	12:00:39	26.30	51.460	33.78	-0.73	0	27.862	8.07	-83.1	120.1	0.3
7/17/2005	12:30:39	26.27	51.477	33.79	-0.73	1	27.880	8.07	-83.4	125.0	0.3
7/17/2005	13:00:39	26.34	51.375	33.72	-0.73	0	27.823	8.06	-82.5	139.5	0.2
7/17/2005	13:30:39	26.42	51.082	33.50	-0.74	0	27.762	8.09	-84.4	125.4	0.3
7/17/2005	14:00:39	26.43	50.899	33.36	-0.74	0	27.745	8.09	-84.6	132.1	0.2
7/17/2005	14:30:39	26.46	50.943	33.40	-0.74	0	27.709	8.08	-84.2	125.5	0.5
7/17/2005	15:00:39	26.51	51.252	33.62	-0.74	0	27.637	8.09	-84.5	136.3	0.3
7/17/2005	15:30:39	26.56	51.330	33.68	-0.74	0	27.566	8.09	-84.7	115.7	0.3
7/17/2005	16:00:39	26.61	51.148	33.54	-0.75	0	27.604	8.09	-84.8	108.4	0.8
7/17/2005	16:30:39	26.65	51.250	33.62	-0.75	0	27.563	8.07	-83.3	31.2	0.3
7/17/2005	17:00:39	26.74	51.353	33.69	-0.75	0	27.518	8.08	-83.8	65.4	0.4
7/17/2005	17:30:39	26.77	51.208	33.58	-0.75	0	27.532	8.07	-83.6	24.0	0.3
7/17/2005	18:00:39	26.80	50.353	32.95	-0.76	0	27.556	8.07	-83.2	37.5	0.3
7/17/2005	18:30:39	26.84	50.667	33.18	-0.76	0	27.540	8.06	-82.7	26.5	0.3
7/17/2005	19:00:39	26.86	54.314	35.88	-0.75	0	27.496	8.05	-82.4	16.5	0.3
7/17/2005	19:30:39	26.94	53.981	35.63	-0.76	0	27.494	8.04	-81.9	7.4	0.3
7/17/2005	20:00:39	26.94	54.293	35.86	-0.76	0	27.551	8.04	-81.4	3.4	0.3
7/17/2005	20:30:39	26.97	54.289	35.86	-0.76	0	27.585	8.03	-81.1	1.8	0.2
7/17/2005	21:00:39	27.00	54.206	35.80	-0.76	0	27.692	8.02	-80.9	1.6	0.3
7/17/2005	21:30:39	27.03	54.200	35.79	-0.77	0	27.707	8.01	-80.3	1.7	0.4
7/17/2005	22:00:39	27.07	54.194	35.79	-0.77	0	27.783	8.01	-80.1	1.5	0.3
7/17/2005	22:30:39	27.09	54.185	35.78	-0.77	0	27.831	8.00	-79.5	1.6	0.7
7/17/2005	23:00:39	27.13	54.164	35.76	-0.78	0	27.894	8.00	-79.3	1.7	0.4
7/17/2005	23:30:39	27.45	54.188	35.77	-0.78	0	27.931	8.02	-80.7	1.7	0.3
7/18/2005	0:00:39	26.82	54.123	35.74	-0.77	0	28.000	8.02	-80.8	1.6	0.3
7/18/2005	0:30:39	26.81	54.142	35.75	-0.76	1	28.010	8.03	-80.9	1.6	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/18/2005	1:00:39	26.86	54.149	35.76	-0.76	1	28.027	8.02	-80.6	1.6	0.4
7/18/2005	1:30:39	26.86	54.106	35.73	-0.76	0	28.077	8.02	-80.7	1.6	0.4
7/18/2005	2:00:39	26.85	54.195	35.79	-0.76	0	28.170	8.01	-80.0	1.6	0.4
7/18/2005	2:30:39	26.70	54.158	35.77	-0.75	0	28.152	8.02	-80.6	1.6	0.3
7/18/2005	3:00:39	26.75	54.162	35.77	-0.75	0	28.120	8.01	-80.2	1.6	0.4
7/18/2005	3:30:39	26.76	54.159	35.77	-0.75	0	28.183	8.02	-80.3	1.6	0.4
7/18/2005	4:00:39	26.66	54.151	35.77	-0.75	0	28.185	8.01	-80.1	1.6	0.4
7/18/2005	4:30:39	26.68	54.126	35.75	-0.74	0	28.128	8.02	-80.7	1.6	0.3
7/18/2005	5:00:39	26.68	54.214	35.81	-0.74	0	28.153	8.00	-79.7	1.6	0.4
7/18/2005	5:30:39	26.68	54.205	35.81	-0.74	0	28.162	8.01	-79.8	1.5	0.3
7/18/2005	6:00:39	26.69	54.186	35.79	-0.75	0	28.155	7.99	-78.8	1.6	0.3
7/18/2005	6:30:39	26.70	53.900	35.58	-0.75	0	28.146	7.99	-79.0	2.1	0.3
7/18/2005	7:00:39	26.72	52.631	34.64	-0.75	0	28.228	8.00	-79.5	5.8	0.3
7/18/2005	7:30:39	26.71	48.868	31.87	-0.76	0	28.202	7.98	-78.4	10.8	0.3
7/18/2005	8:00:39	26.71	49.658	32.44	-0.76	0	28.192	7.98	-78.4	17.5	0.5
7/18/2005	8:30:39	26.78	48.935	31.91	-0.76	0	28.205	8.00	-79.3	26.2	0.3
7/18/2005	9:00:39	26.75	48.604	31.67	-0.77	0	28.161	8.00	-79.2	37.5	0.3
7/18/2005	9:30:39	26.82	49.672	32.45	-0.77	0	28.121	7.99	-79.0	53.1	0.4
7/18/2005	10:00:39	26.82	49.424	32.27	-0.77	0	28.114	8.00	-79.2	62.0	0.6
7/18/2005	10:30:39	26.84	49.468	32.30	-0.78	0	28.089	8.01	-80.0	68.4	0.2
7/18/2005	11:00:39	26.87	49.141	32.06	-0.78	0	28.038	8.01	-80.3	84.6	0.2
7/18/2005	11:30:39	26.92	48.202	31.37	-0.79	0	28.108	8.01	-80.0	98.9	0.4
7/18/2005	12:00:39	26.97	48.899	31.88	-0.79	0	27.950	8.02	-80.7	107.4	0.2
7/18/2005	12:30:39	27.02	48.663	31.71	-0.80	0	27.961	8.03	-81.2	129.5	0.5
7/18/2005	13:00:39	27.08	48.575	31.64	-0.80	0	27.887	8.01	-80.1	36.8	0.3
7/18/2005	13:30:39	27.12	49.151	32.06	-0.80	0	27.925	8.03	-81.3	150.2	0.3
7/18/2005	14:00:39	27.14	50.530	33.07	-0.80	1	27.745	8.02	-80.9	140.9	0.3
7/18/2005	14:30:39	26.86	50.618	33.15	-0.79	0	27.679	8.05	-82.2	63.4	0.2
7/18/2005	15:00:39	26.71	50.207	32.85	-0.78	0	27.646	8.08	-84.0	141.7	0.3
7/18/2005	15:30:39	26.74	50.610	33.14	-0.77	0	27.616	8.08	-84.2	106.2	0.3
7/18/2005	16:00:39	26.75	50.426	33.01	-0.77	0	27.733	8.08	-83.8	92.9	0.3
7/18/2005	16:30:39	26.79	50.890	33.35	-0.76	0	27.507	8.09	-84.4	94.6	0.3
7/18/2005	17:00:39	26.80	50.948	33.39	-0.76	0	27.384	8.07	-83.5	46.0	0.2
7/18/2005	17:30:39	26.84	50.806	33.28	-0.76	0	27.582	8.07	-83.4	42.7	0.3
7/18/2005	18:00:39	26.85	50.468	33.04	-0.77	0	27.503	8.07	-83.3	26.7	0.3
7/18/2005	18:30:39	26.98	50.178	32.82	-0.77	0	27.500	8.06	-83.0	18.1	0.4
7/18/2005	19:00:39	26.97	50.270	32.89	-0.77	1	27.391	8.05	-82.5	10.0	0.4
7/18/2005	19:30:39	27.08	47.969	31.20	-0.79	0	27.453	8.05	-82.2	6.6	0.4
7/18/2005	20:00:39	27.16	48.016	31.23	-0.80	0	27.510	8.05	-82.1	3.2	0.3
7/18/2005	20:30:39	27.10	49.528	32.34	-0.79	0	27.531	8.04	-81.6	1.7	0.6
7/18/2005	21:00:39	27.17	54.354	35.90	-0.79	0	27.649	8.03	-81.2	1.6	0.4
7/18/2005	21:30:39	27.29	54.277	35.84	-0.79	0	27.714	8.02	-80.7	1.7	0.4
7/18/2005	22:00:39	27.37	54.267	35.83	-0.79	0	27.712	8.01	-80.3	1.7	0.3
7/18/2005	22:30:39	27.40	54.272	35.83	-0.80	0	27.592	8.01	-80.0	1.6	0.3
7/18/2005	23:00:39	27.55	54.243	35.81	-0.80	0	27.843	8.00	-79.8	1.7	0.3
7/18/2005	23:30:39	27.70	54.324	35.86	-0.82	0	27.826	8.01	-80.3	1.6	0.3
7/19/2005	0:00:39	27.77	54.327	35.86	-0.82	0	27.865	8.01	-80.3	1.7	0.4
7/19/2005	0:30:39	27.90	54.395	35.91	-0.83	0	27.863	8.04	-81.7	1.5	0.3
7/19/2005	1:00:39	27.28	54.295	35.86	-0.82	0	27.966	8.02	-80.7	1.7	0.3
7/19/2005	1:30:39	26.88	54.131	35.74	-0.79	0	27.905	8.03	-81.2	1.5	0.3
7/19/2005	2:00:39	26.76	54.125	35.74	-0.77	0	27.964	8.03	-81.4	1.6	0.2
7/19/2005	2:30:39	26.82	54.333	35.90	-0.76	0	27.977	8.03	-81.3	1.6	0.4
7/19/2005	3:00:39	26.84	54.337	35.90	-0.76	0	28.308	8.03	-81.1	1.5	0.4
7/19/2005	3:30:39	26.93	54.352	35.91	-0.76	0	28.188	8.03	-81.4	1.5	0.3
7/19/2005	4:00:39	26.93	54.332	35.89	-0.76	0	28.298	8.04	-81.5	1.6	0.4
7/19/2005	4:30:39	26.96	54.336	35.89	-0.76	0	28.069	8.04	-81.5	1.5	0.3
7/19/2005	5:00:39	26.97	54.349	35.90	-0.77	0	28.132	8.03	-81.1	1.5	0.3
7/19/2005	5:30:39	27.08	53.772	35.47	-0.77	0	28.315	8.02	-80.7	1.5	0.4
7/19/2005	6:00:39	27.12	53.935	35.59	-0.78	0	27.954	8.02	-80.6	1.5	0.3
7/19/2005	6:30:39	27.19	54.377	35.92	-0.78	0	27.795	8.01	-80.2	1.6	0.4
7/19/2005	7:00:39	27.26	52.829	34.77	-0.79	0	28.034	8.01	-79.9	2.6	0.4
7/19/2005	7:30:39	27.34	52.763	34.72	-0.80	0	28.226	8.00	-79.5	3.4	0.3
7/19/2005	8:00:39	27.46	53.593	35.33	-0.80	0	27.976	7.99	-79.2	8.2	0.8

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/19/2005	8:30:39	27.59	50.378	32.95	-0.82	0	28.417	7.99	-78.9	14.1	0.2
7/19/2005	9:00:39	27.75	50.625	33.13	-0.83	0	28.027	7.98	-78.5	21.0	1.3
7/19/2005	9:30:39	27.81	49.647	32.41	-0.84	0	28.042	7.99	-78.9	27.8	1.0
7/19/2005	10:00:39	27.57	49.170	32.06	-0.84	0	26.952	8.03	-81.2	24.9	3.5
7/19/2005	10:30:39	27.74	48.653	31.68	-0.85	0	27.873	8.03	-81.5	16.5	0.8
7/19/2005	11:00:39	27.88	48.391	31.49	-0.85	0	29.197	8.03	-81.5	20.2	2.0
7/19/2005	11:30:39	28.01	46.572	30.16	-0.86	0	28.155	8.02	-81.1	3.1	5.9
7/19/2005	12:00:39	28.14	53.014	34.88	-0.85	0	27.356	8.01	-80.5	7.2	3.1
7/19/2005	12:30:39	28.11	52.204	34.28	-0.87	0	27.443	8.02	-81.1	17.8	2.0
7/19/2005	13:00:39	28.21	50.742	33.20	-0.89	0	28.906	8.03	-81.4	16.8	7.0
7/19/2005	13:30:39	28.31	50.774	33.22	-0.90	0	28.614	8.03	-81.4	11.0	2.3
7/19/2005	14:00:39	28.29	51.067	33.43	-0.90	0	27.746	8.03	-81.3	16.7	3.4
7/19/2005	14:30:39	28.25	51.736	33.93	-0.88	0	28.928	8.03	-81.5	12.2	0.7
7/19/2005	15:00:39	28.48	50.877	33.29	-0.90	0	28.094	8.04	-82.0	17.9	0.7
7/19/2005	15:30:39	28.62	51.401	33.67	-0.91	1	27.102	8.04	-82.1	18.8	4.8
7/19/2005	16:00:39	28.64	51.529	33.76	-0.92	0	28.429	8.04	-82.0	9.6	3.1
7/19/2005	16:30:39	28.60	51.333	33.62	-0.92	0	27.714	8.04	-82.2	9.2	2.3
7/19/2005	17:00:39	28.63	51.544	33.78	-0.92	0	27.283	8.04	-82.0	4.9	0.7
7/19/2005	17:30:39	28.66	51.385	33.66	-0.92	0	27.529	8.04	-82.1	2.8	0.3
7/19/2005	18:00:39	28.64	51.510	33.75	-0.93	0	27.630	8.03	-81.8	2.4	0.4
7/19/2005	18:30:39	28.64	51.166	33.50	-0.92	0	27.425	8.04	-81.8	1.8	1.5
7/19/2005	19:00:39	28.42	51.516	33.76	-0.91	1	27.066	8.03	-81.7	2.1	1.2
7/19/2005	19:30:39	28.24	51.517	33.77	-0.90	0	26.345	8.03	-81.7	1.9	0.6
7/19/2005	20:00:39	28.27	51.532	33.78	-0.89	0	27.528	8.04	-81.8	1.6	0.4
7/19/2005	20:30:39	28.42	52.129	34.21	-0.89	0	27.820	8.04	-82.0	1.5	0.2
7/19/2005	21:00:39	28.40	52.180	34.25	-0.90	0	27.157	8.03	-81.7	1.5	0.3
7/19/2005	21:30:39	28.40	52.061	34.16	-0.89	0	27.584	8.04	-81.9	1.5	0.4
7/19/2005	22:00:39	28.45	51.972	34.10	-0.90	0	27.879	8.03	-81.7	1.5	0.5
7/19/2005	22:30:39	28.50	51.875	34.02	-0.91	0	27.181	8.03	-81.2	1.4	0.5
7/19/2005	23:00:39	28.34	52.020	34.14	-0.90	0	27.138	8.03	-81.4	1.4	0.2
7/19/2005	23:30:39	28.19	52.151	34.24	-0.90	0	28.160	8.04	-81.8	1.5	0.3
7/20/2005	0:00:39	28.12	52.085	34.19	-0.89	0	27.720	8.04	-81.8	1.5	0.3
7/20/2005	0:30:39	27.79	51.920	34.08	-0.87	0	28.094	8.03	-81.2	1.5	1.0
7/20/2005	1:00:39	27.98	51.999	34.13	-0.87	0	27.526	8.04	-82.1	1.4	0.6
7/20/2005	1:30:39	28.09	52.053	34.17	-0.87	0	27.607	8.05	-82.3	1.4	0.1
7/20/2005	2:00:39	28.17	51.971	34.10	-0.88	0	27.776	8.04	-82.0	1.5	0.6
7/20/2005	2:30:39	28.12	51.999	34.13	-0.88	0	28.125	8.04	-81.8	1.4	0.3
7/20/2005	3:00:39	28.19	51.961	34.10	-0.88	0	28.635	8.04	-81.8	1.5	0.6
7/20/2005	3:30:39	28.25	51.922	34.07	-0.89	0	28.462	8.03	-81.4	1.5	0.4
7/20/2005	4:00:39	28.25	51.887	34.04	-0.89	0	28.471	8.02	-81.1	1.5	0.3
7/20/2005	4:30:39	28.27	51.844	34.01	-0.89	0	28.842	8.02	-80.9	1.4	0.9
7/20/2005	5:00:39	28.31	51.818	33.99	-0.89	0	28.303	8.01	-80.6	1.4	0.6
7/20/2005	5:30:39	28.39	51.728	33.92	-0.90	0	28.267	8.01	-80.3	1.4	0.4
7/20/2005	6:00:39	28.49	51.630	33.84	-0.90	0	28.012	8.01	-80.1	1.4	0.6
7/20/2005	6:30:39	28.59	51.519	33.76	-0.91	0	27.881	8.00	-80.0	1.7	0.4
7/20/2005	7:00:39	28.34	47.712	30.98	-0.92	1	28.342	8.00	-79.5	4.7	0.4
7/20/2005	7:30:39	28.52	50.815	33.24	-0.91	0	28.448	8.00	-79.7	9.6	0.5
7/20/2005	8:00:39	28.37	50.184	32.78	-0.91	0	28.175	8.00	-79.8	15.8	2.1
7/20/2005	8:30:39	28.51	49.284	32.12	-0.91	0	28.188	8.00	-79.6	16.8	0.4
7/20/2005	9:00:39	28.52	51.311	33.61	-0.91	0	28.052	8.00	-79.7	26.9	0.3
7/20/2005	9:30:39	28.61	51.220	33.54	-0.92	0	28.301	8.00	-79.7	27.2	1.0
7/20/2005	10:00:39	28.64	51.119	33.46	-0.92	0	28.091	8.00	-79.9	41.2	0.4
7/20/2005	10:30:39	28.71	51.075	33.43	-0.93	0	28.457	8.01	-80.1	55.2	1.4
7/20/2005	11:00:39	28.59	51.134	33.47	-0.92	0	28.399	8.01	-80.4	60.5	1.1
7/20/2005	11:30:39	28.56	51.158	33.49	-0.92	0	28.076	8.02	-80.7	63.7	0.3
7/20/2005	12:00:39	28.49	51.184	33.51	-0.92	0	28.410	8.02	-81.0	57.3	0.1
7/20/2005	12:30:39	28.08	51.581	33.82	-0.90	0	28.329	8.03	-81.4	120.5	0.3
7/20/2005	13:00:39	27.93	51.795	33.98	-0.89	0	27.981	8.04	-81.9	109.2	0.3
7/20/2005	13:30:39	28.01	51.847	34.02	-0.88	0	27.397	8.05	-82.2	103.2	0.2
7/20/2005	14:00:39	28.05	51.820	34.00	-0.88	0	28.189	8.05	-82.5	109.3	0.6
7/20/2005	14:30:39	28.18	51.855	34.02	-0.88	0	27.861	8.05	-82.3	91.0	0.6
7/20/2005	15:00:39	28.18	51.989	34.12	-0.88	0	28.079	8.05	-82.3	102.2	0.9
7/20/2005	15:30:39	28.12	52.051	34.17	-0.88	0	28.285	8.05	-82.3	87.2	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/20/2005	16:00:39	28.29	52.027	34.14	-0.89	0	27.871	8.05	-82.6	76.9	0.4
7/20/2005	16:30:39	28.59	52.154	34.23	-0.90	0	28.305	8.05	-82.8	62.7	3.7
7/20/2005	17:00:39	28.67	52.331	34.35	-0.91	0	28.104	8.05	-82.6	59.3	0.8
7/20/2005	17:30:39	28.78	52.429	34.42	-0.91	0	28.289	8.05	-82.5	42.0	0.2
7/20/2005	18:00:39	28.84	52.475	34.46	-0.92	0	28.217	8.04	-82.3	26.4	0.4
7/20/2005	18:30:39	28.88	52.465	34.45	-0.92	0	28.140	8.04	-82.2	20.5	0.4
7/20/2005	19:00:39	28.87	52.398	34.40	-0.92	0	27.395	8.04	-81.8	12.8	2.5
7/20/2005	19:30:39	28.84	50.197	32.78	-0.93	0	27.855	8.03	-81.6	7.2	0.4
7/20/2005	20:00:39	28.84	52.356	34.37	-0.93	0	27.821	8.03	-81.5	2.6	0.4
7/20/2005	20:30:39	28.84	52.040	34.13	-0.93	0	27.384	8.02	-81.2	1.5	0.3
7/20/2005	21:00:39	28.87	51.320	33.60	-0.93	0	27.874	8.02	-81.2	1.7	1.8
7/20/2005	21:30:39	28.86	51.352	33.63	-0.93	0	27.738	8.02	-81.0	1.5	0.4
7/20/2005	22:00:39	28.87	51.075	33.42	-0.93	0	28.034	8.02	-81.0	1.5	0.4
7/20/2005	22:30:39	28.88	51.505	33.74	-0.93	0	27.375	8.02	-80.9	1.4	0.7
7/20/2005	23:00:39	28.93	51.520	33.75	-0.93	0	27.349	8.02	-81.1	1.4	0.3
7/20/2005	23:30:39	29.00	51.405	33.66	-0.94	0	27.688	8.03	-81.4	1.4	0.2
7/21/2005	0:00:39	29.06	51.344	33.61	-0.94	0	27.889	8.03	-81.5	1.5	0.3
7/21/2005	0:30:39	28.97	52.091	34.17	-0.93	0	27.904	8.04	-81.9	1.5	0.3
7/21/2005	1:00:39	29.04	52.267	34.30	-0.93	0	27.586	8.04	-82.0	1.4	0.4
7/21/2005	1:30:39	29.09	52.324	34.34	-0.93	0	27.875	8.03	-81.8	1.4	0.3
7/21/2005	2:00:39	29.10	52.321	34.33	-0.93	0	27.934	8.03	-81.7	1.5	0.2
7/21/2005	2:30:39	29.10	52.338	34.35	-0.94	0	27.967	8.03	-81.8	1.5	0.2
7/21/2005	3:00:39	29.06	52.353	34.36	-0.93	0	28.174	8.03	-81.7	1.4	0.3
7/21/2005	3:30:39	29.07	52.335	34.34	-0.93	0	28.031	8.03	-81.5	1.6	0.1
7/21/2005	4:00:39	29.09	52.953	34.80	-0.93	0	28.030	8.02	-80.9	1.4	0.1
7/21/2005	4:30:39	29.10	52.901	34.76	-0.93	0	28.217	8.01	-80.2	1.5	0.1
7/21/2005	5:00:39	29.09	52.879	34.75	-0.94	0	28.121	8.00	-80.0	1.5	0.3
7/21/2005	5:30:39	29.08	52.837	34.72	-0.93	0	28.159	8.00	-79.7	1.5	0.4
7/21/2005	6:00:39	29.05	52.784	34.68	-0.93	0	28.255	8.01	-80.2	1.4	0.1
7/21/2005	6:30:39	29.06	52.754	34.66	-0.93	0	28.294	8.00	-80.0	1.7	0.2
7/21/2005	7:00:39	29.06	52.800	34.69	-0.94	1	28.257	8.01	-80.6	4.7	0.4
7/21/2005	7:30:39	29.05	52.792	34.68	-0.93	0	28.376	8.00	-80.1	11.2	0.1
7/21/2005	8:00:39	29.06	52.762	34.66	-0.93	0	28.432	8.00	-80.0	23.0	0.2
7/21/2005	8:30:39	29.07	52.715	34.63	-0.93	0	28.258	7.99	-79.3	32.0	0.1
7/21/2005	9:00:39	29.07	52.703	34.62	-0.93	0	28.151	7.99	-79.4	52.7	0.4
7/21/2005	9:30:39	29.08	52.647	34.58	-0.93	0	28.269	7.99	-79.2	52.6	0.2
7/21/2005	10:00:39	29.09	52.634	34.57	-0.94	0	28.342	7.99	-79.1	77.7	0.3
7/21/2005	10:30:39	29.11	52.597	34.54	-0.94	0	28.175	7.99	-79.2	78.4	0.1
7/21/2005	11:00:39	29.13	52.592	34.53	-0.94	0	28.167	7.99	-79.5	102.4	0.1
7/21/2005	11:30:39	29.20	52.557	34.50	-0.95	0	28.125	8.00	-80.1	97.4	0.3
7/21/2005	12:00:39	29.16	52.550	34.50	-0.95	0	28.214	8.04	-81.9	126.7	0.2
7/21/2005	12:30:39	29.50	52.435	34.40	-0.96	0	28.018	8.06	-83.4	135.6	0.2
7/21/2005	13:00:39	29.58	52.414	34.39	-0.96	0	28.179	8.07	-84.2	144.8	0.3
7/21/2005	13:30:39	29.60	52.405	34.38	-0.97	0	28.135	8.06	-83.2	121.3	0.1
7/21/2005	14:00:39	29.62	52.402	34.38	-0.97	0	28.142	8.06	-83.4	136.3	0.3
7/21/2005	14:30:39	29.63	52.399	34.37	-0.97	0	28.112	8.06	-83.6	148.7	0.3
7/21/2005	15:00:39	29.64	52.397	34.37	-0.97	0	28.055	8.06	-83.6	117.6	0.3
7/21/2005	15:30:39	29.63	52.391	34.37	-0.97	0	27.959	8.06	-83.6	113.1	0.1
7/21/2005	16:00:39	29.62	52.389	34.37	-0.97	0	27.847	8.06	-83.3	86.7	0.0
7/21/2005	16:30:39	29.62	52.387	34.36	-0.97	0	27.907	8.06	-83.5	97.3	0.3
7/21/2005	17:00:39	28.70	52.623	34.57	-0.94	0	27.789	8.03	-81.7	86.4	0.2
7/21/2005	17:30:39	28.75	52.616	34.56	-0.91	0	27.684	8.04	-82.3	68.5	0.3
7/21/2005	18:00:39	28.76	52.614	34.56	-0.91	0	27.627	8.04	-81.9	35.5	0.6
7/21/2005	18:30:39	28.74	52.620	34.57	-0.91	0	27.640	8.03	-81.5	30.5	0.4
7/21/2005	19:00:39	28.36	52.698	34.64	-0.89	0	27.570	8.02	-80.8	14.0	0.3
7/21/2005	19:30:39	28.37	52.717	34.65	-0.88	0	27.430	8.02	-80.9	7.7	0.3
7/21/2005	20:00:39	28.37	52.785	34.70	-0.88	0	27.490	8.02	-81.1	3.3	0.2
7/21/2005	20:30:39	28.43	52.826	34.73	-0.88	0	27.339	8.02	-81.1	1.4	0.3
7/21/2005	21:00:39	28.44	52.863	34.76	-0.88	0	27.455	8.01	-80.5	1.5	0.3
7/21/2005	21:30:39	28.46	52.898	34.78	-0.88	0	27.410	8.02	-80.8	1.5	0.3
7/21/2005	22:00:39	28.44	52.868	34.76	-0.88	0	27.388	8.01	-80.6	1.5	0.3
7/21/2005	22:30:39	28.52	52.865	34.75	-0.88	0	27.485	8.00	-79.8	1.5	0.4
7/21/2005	23:00:39	28.49	52.858	34.75	-0.88	0	27.355	8.01	-80.1	1.5	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/21/2005	23:30:39	28.49	52.855	34.75	-0.88	0	27.397	8.00	-79.8	1.5	0.3
7/22/2005	0:00:39	28.59	52.835	34.73	-0.88	0	27.557	7.99	-78.9	1.5	0.1
7/22/2005	0:30:39	28.64	52.846	34.74	-0.89	0	27.561	7.99	-79.3	1.4	0.1
7/22/2005	1:00:39	28.61	52.840	34.73	-0.89	0	27.660	7.99	-79.0	1.5	0.3
7/22/2005	1:30:39	28.62	52.843	34.74	-0.89	0	27.731	7.98	-78.6	1.5	0.2
7/22/2005	2:00:39	28.62	52.843	34.74	-0.89	1	27.869	7.98	-78.4	1.6	0.4
7/22/2005	2:30:39	28.63	52.842	34.73	-0.88	0	27.861	7.97	-78.3	1.4	0.1
7/22/2005	3:00:39	28.63	52.834	34.73	-0.89	0	27.911	7.97	-78.0	1.4	0.3
7/22/2005	3:30:39	28.63	52.832	34.73	-0.88	0	28.018	7.96	-77.6	1.5	0.2
7/22/2005	4:00:39	28.63	52.829	34.72	-0.89	0	28.056	7.96	-77.6	1.4	0.3
7/22/2005	4:30:39	28.66	52.829	34.72	-0.88	0	28.137	7.96	-77.5	1.5	0.3
7/22/2005	5:00:39	28.84	52.825	34.72	-0.89	0	28.074	7.96	-77.5	1.6	0.1
7/22/2005	5:30:39	28.92	52.945	34.80	-0.90	1	28.204	8.02	-80.8	1.6	0.1
7/22/2005	6:00:39	28.94	52.910	34.78	-0.90	0	28.215	8.02	-80.7	1.6	0.3
7/22/2005	6:30:39	29.02	52.970	34.82	-0.90	0	28.228	8.02	-80.8	2.0	0.2
7/22/2005	7:00:39	29.01	52.971	34.82	-0.90	0	28.254	8.01	-80.5	6.8	0.1
7/22/2005	7:30:39	29.02	52.967	34.81	-0.90	0	28.282	8.02	-80.7	12.4	0.3
7/22/2005	8:00:39	29.03	52.960	34.81	-0.90	0	28.282	8.01	-80.6	22.1	0.3
7/22/2005	8:30:39	29.04	52.956	34.81	-0.90	0	28.298	8.01	-80.4	27.0	0.4
7/22/2005	9:00:39	29.05	52.939	34.79	-0.90	0	28.230	8.01	-80.1	50.8	0.3
7/22/2005	9:30:39	29.05	52.919	34.78	-0.90	0	28.271	8.00	-79.7	30.2	0.2
7/22/2005	10:00:39	29.07	52.916	34.77	-0.90	0	28.308	8.02	-81.0	114.6	0.1
7/22/2005	10:30:39	29.08	52.907	34.77	-0.90	0	28.291	8.02	-81.0	133.8	0.3
7/22/2005	11:00:39	29.09	52.910	34.77	-0.91	0	28.224	8.02	-80.9	131.4	0.3
7/22/2005	11:30:39	29.11	52.897	34.76	-0.91	0	28.242	8.02	-81.1	115.2	0.1
7/22/2005	12:00:39	29.14	52.901	34.76	-0.91	0	28.254	8.03	-81.8	140.0	0.3
7/22/2005	12:30:39	29.16	52.898	34.76	-0.91	0	28.240	8.04	-81.9	145.0	0.2
7/22/2005	13:00:39	29.18	52.894	34.75	-0.91	0	28.249	8.04	-82.3	167.3	0.2
7/22/2005	13:30:39	29.21	52.882	34.75	-0.91	0	28.239	8.03	-81.8	162.1	0.3
7/22/2005	14:00:39	29.24	52.883	34.74	-0.91	0	28.230	8.03	-81.7	194.4	0.2
7/22/2005	14:30:39	29.26	52.877	34.74	-0.91	0	28.132	8.04	-82.2	169.7	0.1
7/22/2005	15:00:39	29.29	52.880	34.74	-0.91	0	28.138	8.05	-82.7	154.1	0.2
7/22/2005	15:30:39	29.30	52.863	34.73	-0.91	0	28.047	8.05	-82.9	131.8	0.2
7/22/2005	16:00:39	29.33	52.856	34.72	-0.91	0	28.025	8.06	-83.4	125.5	0.1
7/22/2005	16:30:39	29.36	52.852	34.72	-0.91	0	27.995	8.07	-84.2	112.8	0.2
7/22/2005	17:00:39	29.36	52.839	34.71	-0.90	0	27.917	8.05	-82.9	93.8	0.3
7/22/2005	17:30:39	29.40	52.740	34.63	-0.90	0	27.832	8.04	-82.0	72.7	0.2
7/22/2005	18:00:39	29.39	52.779	34.66	-0.90	0	27.810	8.04	-82.0	59.3	0.2
7/22/2005	18:30:39	29.38	52.723	34.62	-0.90	0	27.777	8.01	-80.7	40.9	0.3
7/22/2005	19:00:39	29.40	52.721	34.62	-0.90	0	27.701	8.01	-80.6	19.2	0.2
7/22/2005	19:30:39	29.39	52.709	34.61	-0.89	0	27.660	8.01	-80.4	13.4	0.1
7/22/2005	20:00:39	29.40	52.651	34.57	-0.89	0	27.583	7.99	-79.5	4.3	0.3
7/22/2005	20:30:39	29.39	52.660	34.57	-0.89	0	27.537	7.99	-79.2	1.7	0.1
7/22/2005	21:00:39	29.37	52.658	34.57	-0.89	0	27.502	7.98	-78.6	1.7	0.3
7/22/2005	21:30:39	29.35	52.618	34.55	-0.89	0	27.503	7.96	-77.4	1.7	0.1
7/22/2005	22:00:39	29.34	52.636	34.56	-0.89	1	27.448	7.96	-77.8	1.7	0.3
7/22/2005	22:30:39	29.35	52.632	34.56	-0.88	0	27.478	7.96	-77.7	1.7	0.2
7/22/2005	23:00:39	29.39	52.598	34.53	-0.88	0	27.514	7.97	-78.0	1.7	0.5
7/22/2005	23:30:39	29.36	52.573	34.51	-0.88	0	27.518	7.95	-77.1	1.6	0.5
7/23/2005	0:00:39	29.38	52.526	34.48	-0.88	1	27.529	7.98	-78.6	1.6	0.9
7/23/2005	0:30:39	29.37	52.417	34.40	-0.88	0	27.578	8.00	-79.7	1.7	0.2
7/23/2005	1:00:39	29.36	52.413	34.39	-0.87	0	27.633	7.99	-79.5	1.6	0.2
7/23/2005	1:30:39	29.38	52.404	34.39	-0.87	0	27.674	7.99	-79.6	1.6	0.1
7/23/2005	2:00:39	29.40	52.403	34.38	-0.87	0	27.687	7.99	-79.3	1.6	0.2
7/23/2005	2:30:39	29.37	52.413	34.39	-0.87	0	27.770	7.96	-77.9	1.8	0.2
7/23/2005	3:00:39	29.38	52.413	34.39	-0.86	0	27.845	7.97	-78.4	1.6	0.3
7/23/2005	3:30:39	29.38	52.413	34.39	-0.86	0	27.884	7.97	-78.4	1.6	0.2
7/23/2005	4:00:39	28.82	52.471	34.45	-0.85	0	27.942	7.94	-76.2	1.6	0.1
7/23/2005	4:30:39	28.77	52.469	34.45	-0.83	0	27.945	7.96	-77.6	1.6	0.2
7/23/2005	5:00:39	28.68	52.478	34.46	-0.82	0	28.008	7.95	-77.1	1.7	0.3
7/23/2005	5:30:39	28.60	52.512	34.49	-0.82	0	28.056	7.95	-76.6	1.6	0.2
7/23/2005	6:00:39	28.50	52.468	34.46	-0.81	0	28.082	7.95	-76.8	1.7	0.1
7/23/2005	6:30:39	28.53	52.480	34.47	-0.80	0	28.097	7.94	-76.5	2.0	0.3

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
7/23/2005	7:00:39	28.55	52.483	34.47	-0.80	1	28.161	7.94	-76.5	6.4	0.2
7/23/2005	7:30:39	28.32	52.446	34.45	-0.79	0	28.174	7.95	-77.0	16.5	0.1
7/23/2005	8:00:39	28.34	52.477	34.47	-0.78	0	28.158	7.97	-78.2	28.1	0.3
7/23/2005	8:30:39	28.27	52.482	34.48	-0.78	0	28.129	7.97	-77.9	39.9	0.3
7/23/2005	9:00:39	28.27	52.493	34.49	-0.78	0	28.176	7.98	-78.4	73.1	0.1
7/23/2005	9:30:39	28.32	52.500	34.49	-0.78	0	28.137	7.98	-78.6	77.8	0.4
7/23/2005	10:00:39	28.37	52.501	34.49	-0.78	0	28.117	7.99	-79.1	100.1	0.4
7/23/2005	10:30:39	28.43	52.493	34.48	-0.78	0	28.161	8.00	-79.8	106.1	0.1
7/23/2005	11:00:39	28.56	52.488	34.47	-0.79	0	28.121	8.01	-80.2	116.8	0.1
7/23/2005	11:30:39	28.66	52.495	34.48	-0.79	0	28.138	8.03	-81.6	158.3	0.3
7/23/2005	12:00:39	28.88	52.441	34.43	-0.79	0	28.170	8.06	-83.3	167.4	0.3
7/23/2005	12:30:39	29.05	52.468	34.44	-0.80	1	28.117	8.08	-84.5	178.5	0.2
7/23/2005	13:00:39	29.19	49.940	32.58	-0.82	0	28.157	8.08	-84.7	182.0	0.3
7/23/2005	13:30:39	29.37	52.497	34.46	-0.82	0	28.141	8.07	-84.2	192.6	0.1
7/23/2005	14:00:39	29.58	52.468	34.43	-0.83	0	28.082	8.08	-84.7	203.1	0.3
7/23/2005	14:30:39	29.55	52.476	34.43	-0.83	0	28.118	8.07	-84.2	207.3	0.1
7/23/2005	15:00:39	29.55	52.482	34.44	-0.83	1	28.080	8.05	-82.9	155.7	0.1
7/23/2005	15:30:39	29.58	52.491	34.44	-0.82	0	28.052	8.07	-84.0	163.0	0.1
7/23/2005	16:00:39	29.60	52.507	34.45	-0.82	0	28.022	8.07	-84.0	152.4	0.3
7/23/2005	16:30:39	29.63	52.499	34.45	-0.82	0	27.985	8.07	-84.0	120.3	0.1
7/23/2005	17:00:39	29.65	52.504	34.45	-0.81	0	27.973	8.06	-83.5	112.2	0.1
7/23/2005	17:30:39	29.64	52.508	34.45	-0.81	0	27.917	8.05	-82.9	101.4	0.2
7/23/2005	18:00:39	29.60	52.503	34.45	-0.80	0	27.899	8.03	-81.5	16.1	0.2
7/23/2005	18:30:39	29.59	52.509	34.46	-0.80	0	27.825	8.04	-82.0	32.4	0.2
7/23/2005	19:00:39	29.60	52.511	34.46	-0.79	0	27.789	8.04	-82.0	31.3	0.3
7/23/2005	19:30:39	29.61	52.515	34.46	-0.79	0	27.746	8.03	-81.7	15.2	0.2
7/23/2005	20:00:39	29.60	52.539	34.48	-0.79	0	27.711	8.03	-81.4	5.1	0.2
7/23/2005	20:30:39	29.58	52.531	34.47	-0.78	0	27.684	8.03	-81.4	2.0	0.5
7/23/2005	21:00:39	29.55	52.427	34.40	-0.78	0	27.630	8.03	-81.5	2.1	0.1
7/23/2005	21:30:39	29.50	52.507	34.46	-0.77	0	27.589	8.02	-81.4	1.9	0.1
7/23/2005	22:00:39	29.47	52.503	34.46	-0.77	0	27.573	8.02	-81.4	2.0	0.4
7/23/2005	22:30:39	29.41	52.492	34.45	-0.76	0	27.560	8.02	-81.2	2.0	0.3
7/23/2005	23:00:39	29.17	52.483	34.45	-0.75	0	27.547	7.99	-79.5	2.0	0.1
7/23/2005	23:30:39	29.14	52.527	34.48	-0.75	0	27.560	7.99	-79.0	2.0	0.1
7/24/2005	0:00:39	29.22	52.488	34.45	-0.74	0	27.575	8.00	-79.9	2.0	0.2
7/24/2005	0:30:39	29.09	52.537	34.49	-0.74	0	27.552	7.98	-78.6	2.1	0.2
7/24/2005	1:00:39	29.18	52.518	34.48	-0.74	0	27.603	7.98	-78.7	1.9	0.2
7/24/2005	1:30:39	29.14	52.462	34.44	-0.73	0	27.654	7.96	-77.3	1.9	0.1
7/24/2005	2:00:39	29.38	52.467	34.43	-0.73	0	27.685	8.00	-80.0	1.9	0.2
7/24/2005	2:30:39	29.36	52.500	34.46	-0.73	0	27.724	8.00	-79.8	1.9	0.1
7/24/2005	3:00:39	29.37	52.512	34.47	-0.74	0	27.773	8.00	-79.9	1.9	0.1
7/24/2005	3:30:39	29.39	52.493	34.45	-0.73	0	27.835	8.02	-80.9	2.0	0.1
7/24/2005	4:00:39	29.35	52.475	34.44	-0.73	0	27.871	8.02	-80.8	1.8	0.2
7/24/2005	4:30:39	29.35	52.471	34.44	-0.72	0	27.939	8.02	-81.1	1.9	0.2
7/24/2005	5:00:39	29.37	52.469	34.43	-0.72	0	27.962	8.02	-81.0	1.9	0.1
7/24/2005	5:30:39	29.40	52.475	34.44	-0.72	0	28.007	8.01	-80.7	2.1	0.1
7/24/2005	6:00:39	29.44	52.490	34.45	-0.72	0	28.031	8.01	-80.7	2.0	0.3
7/24/2005	6:30:39	29.49	52.503	34.46	-0.72	0	28.090	8.02	-81.0	2.4	0.2
7/24/2005	7:00:39	29.46	52.498	34.45	-0.72	0	28.105	8.00	-80.0	7.0	0.1
7/24/2005	7:30:39	29.56	52.493	34.45	-0.72	0	28.092	8.03	-81.4	16.9	0.1
7/24/2005	8:00:39	29.58	52.521	34.47	-0.72	0	28.131	8.03	-81.6	29.1	0.1
7/24/2005	8:30:39	29.60	52.523	34.47	-0.72	0	28.140	8.03	-81.8	43.0	0.2
7/24/2005	9:00:39	29.62	52.328	34.32	-0.73	0	28.157	8.03	-81.8	56.8	0.1
7/24/2005	9:30:39	29.63	52.237	34.25	-0.73	0	28.155	8.03	-81.9	76.9	0.1
7/24/2005	10:00:39	29.65	52.327	34.32	-0.73	0	28.157	8.04	-82.5	87.5	0.1
7/24/2005	10:30:39	29.67	52.328	34.32	-0.73	0	28.146	8.05	-82.7	104.4	0.2
7/24/2005	11:00:39	29.67	52.329	34.32	-0.74	0	28.130	8.03	-81.8	42.6	0.3
7/24/2005	11:30:39	29.68	52.288	34.29	-0.73	0	28.131	8.05	-82.6	145.6	0.3
7/24/2005	12:00:39	29.66	52.290	34.29	-0.73	0	28.098	8.03	-81.8	39.8	0.3
7/24/2005	12:30:39	29.67	52.288	34.29	-0.73	0	28.111	8.03	-81.8	17.4	0.1
7/24/2005	13:00:39	29.71	52.320	34.31	-0.73	1	28.109	8.05	-83.1	164.7	0.2
7/24/2005	13:30:39	29.72	52.327	34.32	-0.73	0	28.124	8.06	-83.3	156.6	0.3
7/24/2005	14:00:39	29.75	52.338	34.32	-0.73	0	28.113	8.06	-83.3	171.2	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/24/2005	14:30:39	29.80	52.349	34.33	-0.74	0	28.033	8.06	-83.4	184.3	0.1
7/24/2005	15:00:39	29.81	52.588	34.51	-0.74	0	28.075	8.07	-84.0	163.1	0.3
7/24/2005	15:30:39	29.79	52.603	34.52	-0.73	0	28.093	8.07	-84.0	148.7	0.1
7/24/2005	16:00:39	29.68	52.612	34.53	-0.73	0	28.021	8.05	-83.0	122.4	0.1
7/24/2005	16:30:39	29.65	52.317	34.31	-0.72	0	28.028	8.06	-83.3	118.1	0.1
7/24/2005	17:00:39	29.59	52.334	34.33	-0.72	0	28.073	8.06	-83.2	100.6	0.1
7/24/2005	17:30:39	29.40	51.304	33.57	-0.72	0	28.010	8.04	-82.4	71.3	0.0
7/24/2005	18:00:39	29.18	52.495	34.46	-0.70	0	27.961	8.03	-81.5	47.8	0.1
7/24/2005	18:30:39	28.86	52.276	34.31	-0.69	0	27.969	8.02	-80.9	31.3	0.1
7/24/2005	19:00:39	28.68	51.403	33.67	-0.68	0	27.939	8.02	-80.9	18.8	0.2
7/24/2005	19:30:39	28.61	52.215	34.27	-0.67	0	27.923	8.02	-80.9	9.0	0.3
7/24/2005	20:00:39	28.58	52.061	34.16	-0.66	1	27.854	8.02	-81.1	3.7	0.3
7/24/2005	20:30:39	28.57	51.553	33.78	-0.66	0	27.858	8.03	-81.3	1.9	0.1
7/24/2005	21:00:39	28.59	52.313	34.34	-0.66	0	27.768	8.03	-81.4	2.0	0.1
7/24/2005	21:30:39	28.62	52.362	34.38	-0.66	0	27.791	8.03	-81.5	1.9	0.3
7/24/2005	22:00:39	28.38	52.356	34.38	-0.65	0	27.747	8.03	-81.3	1.8	518.1
7/24/2005	22:30:39	28.30	52.393	34.41	-0.65	0	27.749	8.03	-81.5	1.8	0.4
7/24/2005	23:00:39	28.39	52.386	34.40	-0.65	0	27.717	8.03	-81.7	1.8	0.3
7/24/2005	23:30:39	28.57	52.422	34.43	-0.65	0	27.724	8.04	-81.9	1.8	62.9
7/25/2005	0:00:39	28.71	52.416	34.42	-0.65	0	27.651	8.04	-82.0	1.8	0.2
7/25/2005	0:30:39	28.66	52.416	34.42	-0.66	1	27.693	8.03	-81.3	1.7	0.2
7/25/2005	1:00:39	29.00	52.419	34.41	-0.66	0	27.672	8.04	-82.1	1.8	0.3
7/25/2005	1:30:39	29.19	52.429	34.41	-0.68	0	27.679	8.03	-81.6	1.8	0.1
7/25/2005	2:00:39	29.31	52.409	34.39	-0.68	0	27.729	8.04	-82.2	1.7	0.0
7/25/2005	2:30:39	29.33	52.428	34.40	-0.69	0	27.713	8.03	-81.9	1.8	0.0
7/25/2005	3:00:39	29.33	52.425	34.40	-0.69	0	27.793	8.03	-81.6	1.7	0.1
7/25/2005	3:30:39	29.33	52.426	34.40	-0.69	0	27.790	8.02	-80.9	1.7	0.1
7/25/2005	4:00:39	29.08	52.366	34.37	-0.69	0	27.842	8.02	-81.2	1.7	0.1
7/25/2005	4:30:39	29.12	52.376	34.37	-0.68	0	27.830	8.02	-81.1	1.7	0.3
7/25/2005	5:00:39	29.17	52.339	34.34	-0.69	0	27.914	8.02	-81.1	1.7	0.3
7/25/2005	5:30:39	29.16	52.378	34.37	-0.68	0	27.918	8.02	-80.8	1.8	0.1
7/25/2005	6:00:39	29.22	52.405	34.39	-0.69	0	27.939	8.01	-80.3	1.8	0.1
7/25/2005	6:30:39	29.24	52.415	34.40	-0.69	0	27.925	8.00	-79.9	2.1	0.1
7/25/2005	7:00:39	29.29	52.417	34.40	-0.69	0	28.003	7.99	-79.2	6.3	0.1
7/25/2005	7:30:39	29.52	52.454	34.42	-0.69	0	28.002	8.01	-80.3	19.8	0.3
7/25/2005	8:00:39	29.55	52.490	34.44	-0.70	0	28.035	8.01	-80.8	33.1	0.0
7/25/2005	8:30:39	29.59	52.495	34.45	-0.70	0	27.998	8.03	-81.7	52.0	0.2
7/25/2005	9:00:39	29.60	52.498	34.45	-0.70	0	28.022	8.04	-82.0	75.3	0.0
7/25/2005	9:30:39	29.61	52.498	34.45	-0.71	0	28.026	8.04	-82.3	93.2	0.1
7/25/2005	10:00:39	29.60	52.499	34.45	-0.71	0	28.015	8.04	-82.4	114.8	0.1
7/25/2005	10:30:39	29.60	52.490	34.44	-0.71	0	28.044	8.05	-82.8	131.2	0.0
7/25/2005	11:00:39	29.60	52.474	34.43	-0.71	0	27.984	8.05	-82.8	142.9	0.1
7/25/2005	11:30:39	29.59	52.466	34.42	-0.71	0	27.953	8.06	-83.4	171.6	0.3
7/25/2005	12:00:39	29.60	52.454	34.42	-0.71	0	27.969	8.06	-83.6	202.0	0.1
7/25/2005	12:30:39	29.61	52.469	34.43	-0.72	0	27.975	8.07	-83.9	229.9	0.1
7/25/2005	13:00:39	29.63	52.485	34.44	-0.72	0	27.917	8.07	-84.0	224.9	0.1
7/25/2005	13:30:39	29.65	52.479	34.43	-0.72	0	27.928	8.07	-83.7	231.9	0.1
7/25/2005	14:00:39	29.66	52.471	34.43	-0.72	0	27.940	8.07	-84.1	226.0	0.1
7/25/2005	14:30:39	29.66	52.481	34.43	-0.72	0	27.986	8.06	-83.5	228.8	0.0
7/25/2005	15:00:39	29.65	52.496	34.44	-0.72	0	27.916	8.07	-83.9	220.6	0.3
7/25/2005	15:30:39	29.63	52.488	34.44	-0.72	0	27.949	8.07	-84.1	201.9	0.0
7/25/2005	16:00:39	29.60	52.476	34.43	-0.71	0	27.922	8.07	-84.2	171.2	0.0
7/25/2005	16:30:39	29.58	52.454	34.42	-0.71	0	27.958	8.06	-83.6	150.3	0.0
7/25/2005	17:00:39	29.56	52.441	34.41	-0.71	0	27.899	8.06	-83.1	96.3	0.1
7/25/2005	17:30:39	29.59	52.441	34.41	-0.71	0	27.949	8.04	-82.4	90.9	0.2
7/25/2005	18:00:39	29.60	52.458	34.42	-0.71	0	27.901	8.04	-82.2	58.0	0.3
7/25/2005	18:30:39	29.50	52.432	34.40	-0.70	0	27.986	8.03	-81.9	45.4	0.1
7/25/2005	19:00:39	29.48	52.428	34.40	-0.70	0	28.000	8.03	-81.7	27.4	0.1
7/25/2005	19:30:39	29.43	52.408	34.39	-0.70	1	27.981	8.03	-81.5	12.8	0.1
7/25/2005	20:00:39	29.36	52.397	34.38	-0.70	0	27.909	8.03	-81.4	4.9	0.5
7/25/2005	20:30:39	29.35	52.393	34.38	-0.69	0	27.930	8.03	-81.4	2.1	0.3
7/25/2005	21:00:39	29.34	52.404	34.39	-0.69	0	27.928	8.03	-81.6	2.2	0.3
7/25/2005	21:30:39	29.32	52.447	34.42	-0.69	0	27.939	8.03	-81.6	2.2	7.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/25/2005	22:00:39	29.41	52.471	34.43	-0.69	0	27.912	8.03	-81.7	2.1	0.6
7/25/2005	22:30:39	29.51	52.494	34.45	-0.70	0	27.918	8.04	-82.0	2.1	1.8
7/25/2005	23:00:39	29.42	52.494	34.45	-0.69	0	27.923	8.03	-81.7	2.1	0.3
7/25/2005	23:30:39	29.44	52.496	34.45	-0.70	0	27.820	8.02	-81.4	2.1	2.2
7/26/2005	0:00:39	29.47	52.506	34.46	-0.70	1	27.806	8.03	-81.5	2.1	0.4
7/26/2005	0:30:39	29.50	52.506	34.46	-0.70	0	27.813	8.03	-81.4	2.1	1.8
7/26/2005	1:00:39	29.51	52.499	34.45	-0.71	0	27.827	8.02	-81.1	2.1	0.2
7/26/2005	1:30:39	29.55	52.491	34.44	-0.71	0	27.812	8.01	-80.7	2.2	0.1
7/26/2005	2:00:39	29.55	52.496	34.45	-0.71	0	27.868	8.01	-80.5	2.1	0.2
7/26/2005	2:30:39	29.56	52.496	34.45	-0.72	0	27.835	8.01	-80.3	2.0	0.2
7/26/2005	3:00:39	29.57	52.478	34.43	-0.72	0	27.875	8.01	-80.3	2.1	0.3
7/26/2005	3:30:39	29.57	52.489	34.44	-0.72	0	27.880	8.00	-79.7	2.1	0.1
7/26/2005	4:00:39	29.58	52.450	34.41	-0.73	0	27.867	8.00	-80.0	2.1	1.4
7/26/2005	4:30:39	29.50	52.468	34.43	-0.73	0	27.944	8.02	-81.1	2.1	0.3
7/26/2005	5:00:39	29.51	52.511	34.46	-0.73	0	27.856	8.02	-80.9	2.2	0.2
7/26/2005	5:30:39	29.52	52.506	34.46	-0.73	0	27.956	8.01	-80.5	2.0	0.3
7/26/2005	6:00:39	29.51	52.509	34.46	-0.73	0	27.981	8.01	-80.4	2.1	0.1
7/26/2005	6:30:39	29.53	52.500	34.45	-0.73	0	27.907	7.99	-79.5	2.4	0.1
7/26/2005	7:00:39	29.54	52.501	34.45	-0.72	0	27.959	7.98	-79.0	7.6	0.2
7/26/2005	7:30:39	29.54	52.492	34.45	-0.74	0	27.971	7.99	-79.5	20.5	0.2
7/26/2005	8:00:39	29.55	52.492	34.45	-0.72	0	28.020	7.99	-79.3	34.8	0.1
7/26/2005	8:30:39	29.55	52.492	34.45	-0.72	1	28.001	7.98	-79.0	52.3	0.1
7/26/2005	9:00:39	29.56	52.492	34.44	-0.72	0	27.996	7.99	-79.3	68.9	0.3
7/26/2005	9:30:39	29.57	52.483	34.44	-0.73	0	27.941	7.98	-79.0	94.4	0.1
7/26/2005	10:00:39	29.58	52.484	34.44	-0.73	0	27.905	7.99	-79.3	84.5	0.3
7/26/2005	10:30:39	29.60	52.480	34.43	-0.73	0	27.975	7.99	-79.6	149.5	0.0
7/26/2005	11:00:39	29.62	52.481	34.43	-0.73	0	27.922	8.00	-80.1	163.7	1679.6
7/26/2005	11:30:39	29.64	52.472	34.43	-0.73	0	27.914	8.02	-80.9	172.6	0.1
7/26/2005	12:00:39	29.69	52.404	34.37	-0.74	0	27.854	8.06	-83.3	211.3	0.1
7/26/2005	12:30:39	29.71	52.423	34.39	-0.74	1	27.882	8.09	-85.1	258.2	0.1
7/26/2005	13:00:39	29.72	52.423	34.39	-0.74	0	27.875	8.08	-84.8	232.4	0.1
7/26/2005	13:30:39	29.70	52.438	34.40	-0.74	0	27.862	8.05	-82.6	293.9	0.3
7/26/2005	14:00:39	29.68	52.460	34.42	-0.74	0	27.845	8.06	-83.6	259.4	0.2
7/26/2005	14:30:39	29.67	52.462	34.42	-0.74	0	27.814	8.06	-83.4	226.7	0.1
7/26/2005	15:00:39	29.69	52.463	34.42	-0.74	0	27.832	8.08	-84.4	219.4	0.1
7/26/2005	15:30:39	29.70	52.458	34.41	-0.74	0	27.842	8.09	-85.0	218.6	0.1
7/26/2005	16:00:39	29.71	52.450	34.41	-0.74	0	27.854	8.10	-85.9	197.6	0.1
7/26/2005	16:30:39	29.69	52.447	34.41	-0.73	0	27.848	8.08	-84.8	165.0	0.0
7/26/2005	17:00:39	29.68	52.446	34.41	-0.73	0	27.876	8.07	-84.2	147.2	0.3
7/26/2005	17:30:39	29.67	52.439	34.40	-0.73	0	27.869	8.05	-82.7	89.0	0.0
7/26/2005	18:00:39	29.67	52.460	34.42	-0.72	0	27.880	8.04	-82.5	93.8	0.4
7/26/2005	18:30:39	29.66	52.455	34.41	-0.71	0	27.897	8.04	-82.0	57.9	63.5
7/26/2005	19:00:39	29.65	52.455	34.41	-0.71	0	27.925	8.02	-81.4	28.8	0.3
7/26/2005	19:30:39	29.66	52.450	34.41	-0.71	0	27.948	8.02	-81.1	14.0	0.0
7/26/2005	20:00:39	29.67	52.442	34.40	-0.71	0	27.958	8.01	-80.6	4.7	0.2
7/26/2005	20:30:39	29.67	52.444	34.41	-0.71	0	27.940	8.01	-80.4	2.3	2.0
7/26/2005	21:00:39	29.67	52.469	34.42	-0.73	0	27.966	8.01	-80.6	2.3	0.1
7/26/2005	21:30:39	29.65	52.472	34.43	-0.72	0	27.937	8.02	-81.0	2.3	2.6
7/26/2005	22:00:39	29.58	52.472	34.43	-0.71	0	27.947	8.02	-81.2	2.3	27.8
7/26/2005	22:30:39	29.51	52.487	34.44	-0.70	0	27.950	8.02	-81.3	2.2	31.9
7/26/2005	23:00:39	29.48	52.487	34.44	-0.70	0	27.957	8.02	-81.1	2.4	4.1
7/26/2005	23:30:39	29.49	52.488	34.44	-0.70	0	27.947	8.02	-81.2	2.3	0.4
7/27/2005	0:00:39	29.49	52.485	34.44	-0.71	0	27.948	8.02	-81.0	2.2	0.3
7/27/2005	0:30:39	29.50	52.475	34.43	-0.70	0	27.942	8.01	-80.8	2.2	9.5
7/27/2005	1:00:39	29.51	51.821	33.95	-0.70	0	27.935	8.02	-80.9	2.2	9.7
7/27/2005	1:30:39	29.52	52.458	34.42	-0.70	0	27.914	8.01	-80.5	2.3	0.4
7/27/2005	2:00:39	29.51	52.457	34.42	-0.70	0	27.941	8.00	-79.9	2.3	0.2
7/27/2005	2:30:39	29.57	52.456	34.42	-0.70	0	27.911	8.00	-79.7	2.3	4.2
7/27/2005	3:00:39	29.58	52.468	34.43	-0.70	0	27.917	7.99	-79.3	2.1	0.4
7/27/2005	3:30:39	29.56	52.460	34.42	-0.70	0	27.915	7.98	-78.8	2.2	15.8
7/27/2005	4:00:39	29.60	52.465	34.42	-0.70	0	27.910	7.98	-79.1	2.2	0.2
7/27/2005	4:30:39	29.65	52.465	34.42	-0.71	0	27.959	8.01	-80.6	2.2	0.3
7/27/2005	5:00:39	29.62	52.486	34.44	-0.70	0	27.932	8.02	-81.0	2.3	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/27/2005	5:30:39	29.58	52.486	34.44	-0.70	0	27.965	8.02	-81.2	2.2	0.1
7/27/2005	6:00:39	29.50	52.473	34.43	-0.70	0	27.945	8.02	-80.9	2.2	0.1
7/27/2005	6:30:39	29.44	51.907	34.02	-0.70	0	27.926	8.02	-81.0	2.6	0.1
7/27/2005	7:00:39	29.42	50.665	33.10	-0.70	0	27.997	8.02	-80.8	7.0	0.2
7/27/2005	7:30:39	29.44	52.472	34.43	-0.69	0	27.966	8.02	-81.2	12.9	0.2
7/27/2005	8:00:39	29.48	52.468	34.43	-0.69	0	27.953	8.03	-81.5	26.5	0.2
7/27/2005	8:30:39	29.54	52.468	34.43	-0.70	0	27.970	8.04	-82.0	69.2	0.1
7/27/2005	9:00:39	29.59	52.470	34.43	-0.70	1	27.924	8.04	-82.4	84.0	0.3
7/27/2005	9:30:39	29.56	52.479	34.44	-0.70	0	27.907	8.03	-81.8	69.8	0.1
7/27/2005	10:00:39	29.54	52.500	34.45	-0.70	0	27.903	8.04	-82.0	131.3	0.1
7/27/2005	10:30:39	29.55	52.513	34.46	-0.70	0	27.858	8.04	-82.5	158.6	0.2
7/27/2005	11:00:39	29.55	52.516	34.46	-0.71	0	27.851	8.06	-83.1	184.5	0.1
7/27/2005	11:30:39	29.57	52.518	34.46	-0.71	0	27.813	8.05	-82.8	218.3	0.1
7/27/2005	12:00:39	29.63	52.551	34.49	-0.71	0	27.774	8.06	-83.1	264.9	0.2
7/27/2005	12:30:39	29.68	52.586	34.51	-0.71	0	27.777	8.07	-83.9	260.9	0.4
7/27/2005	13:00:39	29.72	52.618	34.53	-0.71	0	27.749	8.08	-84.7	269.6	0.1
7/27/2005	13:30:39	29.82	52.649	34.55	-0.72	1	27.719	8.08	-84.8	278.1	0.1
7/27/2005	14:00:39	29.91	52.686	34.58	-0.73	0	27.703	8.06	-83.3	360.4	0.2
7/27/2005	14:30:39	29.97	52.700	34.58	-0.73	0	27.705	8.06	-83.3	332.2	0.2
7/27/2005	15:00:39	29.99	52.698	34.58	-0.73	0	27.695	8.08	-84.6	262.4	0.2
7/27/2005	15:30:39	29.99	52.688	34.57	-0.73	0	27.723	8.08	-84.5	264.8	0.1
7/27/2005	16:00:39	29.98	52.682	34.57	-0.72	0	27.707	8.06	-83.4	148.3	0.2
7/27/2005	16:30:39	29.97	52.675	34.57	-0.72	0	27.729	8.06	-83.6	117.7	0.0
7/27/2005	17:00:39	29.94	52.421	34.38	-0.72	0	27.742	8.07	-84.1	164.2	0.2
7/27/2005	17:30:39	29.93	52.212	34.23	-0.72	0	27.762	8.06	-83.7	131.7	0.2
7/27/2005	18:00:39	29.91	52.022	34.09	-0.72	0	27.758	8.05	-82.9	102.5	0.1
7/27/2005	18:30:39	29.90	52.080	34.13	-0.72	0	27.828	8.04	-82.3	68.3	0.1
7/27/2005	19:00:39	29.90	52.093	34.14	-0.71	0	27.828	8.04	-82.0	41.0	0.2
7/27/2005	19:30:39	29.88	52.120	34.16	-0.71	0	27.839	8.02	-81.4	15.9	0.3
7/27/2005	20:00:39	29.85	52.113	34.15	-0.71	0	27.896	8.02	-81.2	5.1	0.1
7/27/2005	20:30:39	29.83	51.689	33.84	-0.71	0	27.898	8.02	-81.2	2.2	0.4
7/27/2005	21:00:39	29.80	52.273	34.27	-0.71	0	27.923	8.01	-80.8	2.0	0.3
7/27/2005	21:30:39	29.78	52.667	34.57	-0.70	0	27.959	8.02	-80.9	2.1	0.4
7/27/2005	22:00:39	29.75	52.700	34.59	-0.71	0	27.965	8.02	-81.1	2.3	0.3
7/27/2005	22:30:39	29.73	52.720	34.61	-0.70	0	27.985	8.02	-81.1	2.1	0.3
7/27/2005	23:00:39	29.71	52.722	34.61	-0.70	0	28.008	8.02	-81.2	2.2	0.4
7/27/2005	23:30:39	29.69	52.725	34.61	-0.70	0	27.998	8.01	-80.8	2.2	0.4
7/28/2005	0:00:39	29.70	52.717	34.61	-0.70	0	28.002	8.01	-80.8	2.2	0.3
7/28/2005	0:30:39	29.70	52.707	34.60	-0.70	0	28.010	8.01	-80.5	2.1	0.1
7/28/2005	1:00:39	29.70	52.704	34.60	-0.70	0	27.990	8.01	-80.4	2.1	0.4
7/28/2005	1:30:39	29.69	52.701	34.59	-0.70	0	28.013	8.01	-80.7	2.3	0.1
7/28/2005	2:00:39	29.68	52.697	34.59	-0.70	0	27.991	8.01	-80.4	2.1	0.1
7/28/2005	2:30:39	29.69	52.685	34.58	-0.70	0	27.984	8.00	-80.0	2.2	0.2
7/28/2005	3:00:39	29.69	52.597	34.52	-0.70	0	27.986	8.00	-79.9	2.2	0.1
7/28/2005	3:30:39	29.70	52.659	34.56	-0.70	0	27.989	8.00	-80.1	2.2	0.0
7/28/2005	4:00:39	29.70	52.683	34.58	-0.70	0	27.997	7.99	-79.2	2.4	0.6
7/28/2005	4:30:39	29.69	52.691	34.59	-0.70	0	27.961	7.97	-78.4	2.2	0.2
7/28/2005	5:00:39	29.71	52.660	34.56	-0.70	1	27.982	7.99	-79.5	2.2	0.1
7/28/2005	5:30:39	29.70	52.664	34.57	-0.70	0	27.977	7.97	-78.3	2.3	0.1
7/28/2005	6:00:39	29.69	52.643	34.55	-0.70	0	27.987	8.00	-80.1	2.2	0.1
7/28/2005	6:30:39	29.58	52.685	34.59	-0.70	0	27.991	8.02	-80.9	2.7	0.1
7/28/2005	7:00:39	29.57	52.690	34.59	-0.70	0	27.992	8.02	-81.2	9.4	0.1
7/28/2005	7:30:39	29.57	52.697	34.60	-0.70	0	27.990	8.02	-81.2	21.0	0.1
7/28/2005	8:00:39	29.62	52.683	34.58	-0.70	0	27.957	8.02	-81.3	40.0	0.0
7/28/2005	8:30:39	29.71	52.657	34.56	-0.71	0	27.971	8.04	-82.0	59.1	0.1
7/28/2005	9:00:39	29.67	52.673	34.57	-0.70	0	27.952	8.04	-82.2	80.6	0.1
7/28/2005	9:30:39	29.65	52.702	34.60	-0.70	0	27.932	8.04	-82.5	113.7	0.2
7/28/2005	10:00:39	29.61	52.702	34.60	-0.70	0	27.887	8.04	-82.2	68.1	0.3
7/28/2005	10:30:39	29.66	52.698	34.59	-0.70	0	27.865	8.05	-82.8	140.9	0.3
7/28/2005	11:00:39	29.67	52.692	34.59	-0.70	0	27.855	8.04	-82.4	120.3	0.2
7/28/2005	11:30:39	29.67	52.680	34.58	-0.71	0	27.805	8.05	-82.6	203.7	0.3
7/28/2005	12:00:39	29.68	52.689	34.59	-0.71	0	27.801	8.06	-83.4	160.1	0.1
7/28/2005	12:30:39	29.72	52.686	34.58	-0.71	0	27.753	8.06	-83.6	249.0	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 μeinst/sec* m^2	Turbidity NTU
7/28/2005	13:00:39	29.81	52.651	34.55	-0.72	0	27.724	8.06	-83.6	266.4	0.1
7/28/2005	13:30:39	29.84	52.636	34.54	-0.71	0	27.714	8.05	-83.1	243.4	0.1
7/28/2005	14:00:39	29.86	52.609	34.52	-0.72	0	27.654	8.06	-83.3	244.3	0.1
7/28/2005	14:30:39	29.89	52.615	34.52	-0.72	1	27.648	8.06	-83.6	232.3	0.2
7/28/2005	15:00:39	29.83	52.669	34.57	-0.71	0	27.618	8.05	-82.9	223.6	0.2
7/28/2005	15:30:39	29.78	52.709	34.60	-0.71	0	27.600	8.05	-83.1	215.0	0.1
7/28/2005	16:00:39	29.75	52.719	34.61	-0.71	1	27.589	8.05	-83.1	177.2	0.2
7/28/2005	16:30:39	29.78	52.718	34.60	-0.71	0	27.615	8.05	-82.9	161.2	0.3
7/28/2005	17:00:39	29.78	52.711	34.60	-0.71	0	27.619	8.05	-82.7	131.4	0.3
7/28/2005	17:30:39	29.81	52.693	34.58	-0.70	0	27.627	8.05	-82.6	105.3	0.1
7/28/2005	18:00:39	29.79	52.692	34.58	-0.70	0	27.658	8.04	-82.1	79.1	0.1
7/28/2005	18:30:39	29.78	52.690	34.58	-0.70	0	27.684	8.03	-82.0	56.9	0.0
7/28/2005	19:00:39	29.76	52.691	34.59	-0.70	0	27.751	8.03	-81.7	33.3	0.1
7/28/2005	19:30:39	29.74	52.685	34.58	-0.70	0	27.745	8.03	-81.6	15.0	0.2
7/28/2005	20:00:39	29.73	52.670	34.57	-0.70	0	27.806	8.03	-81.5	5.0	0.4
7/28/2005	20:30:39	29.69	52.712	34.60	-0.70	0	27.835	8.03	-81.5	2.4	0.2
7/28/2005	21:00:39	29.61	52.738	34.62	-0.70	0	27.885	8.02	-81.4	2.4	0.2
7/28/2005	21:30:39	29.61	52.734	34.62	-0.69	0	27.938	8.03	-81.4	2.3	0.3
7/28/2005	22:00:39	29.59	52.613	34.53	-0.69	0	27.943	8.03	-81.4	2.3	0.3
7/28/2005	22:30:39	29.60	52.731	34.62	-0.69	0	27.980	8.02	-81.3	2.3	0.4
7/28/2005	23:00:39	29.63	52.716	34.61	-0.69	0	28.019	8.02	-81.2	2.3	0.3
7/28/2005	23:30:39	29.65	52.709	34.60	-0.69	0	28.056	8.02	-80.9	2.4	0.4
7/29/2005	0:00:39	29.70	52.678	34.58	-0.70	0	28.048	8.02	-80.9	2.3	20.9
7/29/2005	0:30:39	29.76	52.707	34.60	-0.70	0	28.060	8.02	-80.9	2.3	0.6
7/29/2005	1:00:39	29.77	52.676	34.57	-0.70	0	28.109	8.02	-81.2	2.4	0.1
7/29/2005	1:30:39	29.74	52.731	34.62	-0.70	0	28.128	8.02	-81.2	2.3	2.6
7/29/2005	2:00:39	29.77	52.736	34.62	-0.70	0	28.065	8.02	-81.2	2.1	0.4
7/29/2005	2:30:39	29.79	52.732	34.61	-0.70	0	28.123	8.02	-81.1	2.3	0.3
7/29/2005	3:00:39	29.77	52.731	34.61	-0.70	0	28.090	8.02	-81.2	2.3	0.1
7/29/2005	3:30:39	29.81	52.736	34.62	-0.70	0	28.109	8.02	-81.2	2.3	0.1
7/29/2005	4:00:39	29.86	52.747	34.62	-0.70	0	28.092	8.02	-81.4	2.2	0.1
7/29/2005	4:30:39	29.90	52.743	34.62	-0.71	0	28.083	8.02	-81.4	2.2	0.0
7/29/2005	5:00:39	29.92	52.716	34.60	-0.71	0	28.068	8.02	-81.2	2.3	0.2
7/29/2005	5:30:39	29.96	52.661	34.56	-0.71	0	28.058	8.02	-81.0	2.4	0.1
7/29/2005	6:00:39	29.94	52.648	34.55	-0.71	1	28.050	8.01	-80.3	2.4	0.0
7/29/2005	6:30:39	29.99	52.566	34.48	-0.71	0	28.043	8.01	-80.7	2.5	0.1
7/29/2005	7:00:39	29.99	52.550	34.47	-0.71	0	28.019	8.01	-80.6	7.3	0.1
7/29/2005	7:30:39	29.99	52.964	34.78	-0.71	0	28.021	8.01	-80.7	17.4	0.1
7/29/2005	8:00:39	29.88	52.967	34.79	-0.70	0	27.976	8.00	-80.2	29.5	0.2
7/29/2005	8:30:39	29.87	52.973	34.79	-0.70	0	27.970	8.00	-79.9	44.1	0.0
7/29/2005	9:00:39	29.78	53.045	34.85	-0.70	0	27.966	8.00	-80.2	35.8	0.2
7/29/2005	9:30:39	29.97	53.072	34.86	-0.71	0	27.925	8.03	-81.5	86.1	0.3
7/29/2005	10:00:39	29.97	53.045	34.84	-0.71	0	27.918	8.02	-81.4	106.3	0.2
7/29/2005	10:30:39	29.97	52.980	34.79	-0.72	0	27.878	8.02	-81.4	92.6	0.1
7/29/2005	11:00:39	30.01	52.983	34.79	-0.71	0	27.865	8.04	-82.5	134.9	0.1
7/29/2005	11:30:39	30.03	53.058	34.85	-0.71	0	27.834	8.03	-82.0	95.9	0.2
7/29/2005	12:00:39	30.00	53.104	34.88	-0.71	0	27.800	8.03	-82.0	107.1	0.3
7/29/2005	12:30:39	29.98	53.110	34.89	-0.71	0	27.753	8.04	-82.4	138.3	0.1
7/29/2005	13:00:39	29.99	53.118	34.89	-0.71	0	27.725	8.06	-83.3	187.6	0.3
7/29/2005	13:30:39	29.97	53.126	34.90	-0.71	0	27.679	8.05	-83.1	176.3	0.1
7/29/2005	14:00:39	29.97	53.121	34.90	-0.71	0	27.642	8.05	-83.2	162.6	0.2
7/29/2005	14:30:39	29.98	53.102	34.88	-0.71	0	27.620	8.05	-82.8	228.2	0.1
7/29/2005	15:00:39	29.99	53.117	34.89	-0.71	0	27.592	8.06	-83.4	188.1	0.3
7/29/2005	15:30:39	29.95	53.142	34.91	-0.71	0	27.569	8.06	-83.5	173.1	0.1
7/29/2005	16:00:39	29.87	53.117	34.90	-0.71	0	27.554	8.05	-82.9	173.5	0.2
7/29/2005	16:30:39	29.79	53.001	34.81	-0.70	0	27.562	8.05	-83.1	145.4	0.1
7/29/2005	17:00:39	29.72	52.871	34.72	-0.70	0	27.553	8.04	-82.5	139.2	0.1
7/29/2005	17:30:39	29.80	52.956	34.78	-0.70	0	27.584	8.04	-82.2	111.9	0.2
7/29/2005	18:00:39	29.77	52.888	34.73	-0.70	0	27.532	8.03	-81.8	88.6	0.1
7/29/2005	18:30:39	29.75	52.837	34.69	-0.69	0	27.592	8.02	-81.4	51.8	0.2
7/29/2005	19:00:39	29.78	52.874	34.72	-0.69	0	27.608	8.02	-81.2	33.5	0.1
7/29/2005	19:30:39	29.58	52.722	34.61	-0.69	0	27.645	8.01	-80.6	14.2	0.1
7/29/2005	20:00:39	29.39	52.681	34.59	-0.68	0	27.667	8.01	-80.4	4.1	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/29/2005	20:30:39	29.35	52.665	34.58	-0.68	0	27.734	8.01	-80.6	2.0	0.4
7/29/2005	21:00:39	29.36	52.699	34.60	-0.67	0	27.762	8.01	-80.7	2.1	0.2
7/29/2005	21:30:39	29.41	52.723	34.62	-0.67	0	27.823	8.01	-80.7	2.2	0.3
7/29/2005	22:00:39	29.49	52.738	34.63	-0.68	0	27.879	8.01	-80.7	2.0	0.3
7/29/2005	22:30:39	29.52	52.723	34.62	-0.68	0	27.909	8.00	-80.1	1.9	0.4
7/29/2005	23:00:39	29.63	52.746	34.63	-0.68	0	27.939	8.01	-80.5	2.0	0.4
7/29/2005	23:30:39	29.66	52.794	34.66	-0.68	0	27.973	8.02	-81.4	2.0	0.4
7/30/2005	0:00:39	29.62	52.816	34.68	-0.68	0	28.017	8.02	-81.2	1.9	0.4
7/30/2005	0:30:39	29.63	52.814	34.68	-0.68	0	28.056	8.02	-81.1	2.0	0.3
7/30/2005	1:00:39	29.62	52.815	34.68	-0.68	0	28.036	8.02	-81.1	1.9	0.2
7/30/2005	1:30:39	29.63	52.818	34.68	-0.68	0	28.079	8.01	-80.7	1.9	0.4
7/30/2005	2:00:39	29.64	52.820	34.68	-0.68	0	28.098	8.02	-81.0	1.8	0.5
7/30/2005	2:30:39	29.64	52.817	34.68	-0.68	0	28.126	8.01	-80.4	2.0	0.4
7/30/2005	3:00:39	29.65	52.802	34.67	-0.68	0	28.146	8.00	-79.7	1.9	0.1
7/30/2005	3:30:39	29.65	52.807	34.67	-0.68	0	28.103	7.99	-79.3	1.9	0.1
7/30/2005	4:00:39	29.66	52.805	34.67	-0.68	0	28.109	7.99	-79.3	1.9	0.2
7/30/2005	4:30:39	29.67	52.795	34.67	-0.68	0	28.104	7.98	-78.6	1.9	0.2
7/30/2005	5:00:39	29.69	52.778	34.65	-0.69	0	28.096	7.98	-78.7	2.0	0.3
7/30/2005	5:30:39	29.70	52.766	34.64	-0.69	0	28.086	7.98	-78.8	2.0	0.6
7/30/2005	6:00:39	29.72	52.755	34.63	-0.68	0	28.090	7.97	-78.1	1.9	0.5
7/30/2005	6:30:39	29.71	52.759	34.64	-0.68	0	28.075	7.96	-77.8	2.2	0.3
7/30/2005	7:00:39	29.71	52.749	34.63	-0.69	0	28.070	7.96	-77.9	6.0	0.3
7/30/2005	7:30:39	29.71	52.743	34.63	-0.69	0	28.023	7.95	-77.1	12.8	1.2
7/30/2005	8:00:39	29.71	52.752	34.63	-0.69	0	28.006	7.96	-77.6	25.7	0.4
7/30/2005	8:30:39	29.72	52.750	34.63	-0.68	0	27.986	7.96	-77.5	34.8	1.0
7/30/2005	9:00:39	29.73	52.743	34.62	-0.69	0	27.976	7.96	-77.6	51.2	0.2
7/30/2005	9:30:39	29.74	52.740	34.62	-0.69	0	27.974	7.96	-77.8	72.9	0.2
7/30/2005	10:00:39	29.76	52.719	34.61	-0.69	0	27.923	7.94	-76.5	41.6	0.1
7/30/2005	10:30:39	29.77	52.705	34.60	-0.69	0	27.888	7.93	-76.2	5.2	1.2
7/30/2005	11:00:39	29.75	52.695	34.59	-0.69	0	27.873	7.96	-77.9	8.9	0.2
7/30/2005	11:30:39	29.73	52.713	34.60	-0.69	0	27.817	7.98	-78.6	15.0	0.2
7/30/2005	12:00:39	29.57	52.763	34.64	-0.68	0	27.788	7.99	-79.5	28.1	0.2
7/30/2005	12:30:39	29.41	52.821	34.69	-0.68	0	27.772	8.00	-80.1	61.8	0.3
7/30/2005	13:00:39	29.29	52.851	34.72	-0.67	0	27.710	8.02	-81.1	88.7	0.2
7/30/2005	13:30:39	29.29	52.855	34.72	-0.67	0	27.680	8.01	-80.4	58.5	0.4
7/30/2005	14:00:39	29.34	52.856	34.72	-0.67	1	27.635	8.03	-81.6	129.0	0.3
7/30/2005	14:30:39	29.36	52.504	34.46	-0.68	0	27.617	8.06	-83.3	254.5	0.7
7/30/2005	15:00:39	29.39	52.861	34.72	-0.68	0	27.578	8.05	-82.9	118.3	0.4
7/30/2005	15:30:39	29.39	52.845	34.71	-0.68	0	27.544	8.05	-82.7	137.6	1.2
7/30/2005	16:00:39	29.43	52.846	34.71	-0.68	0	27.492	8.07	-84.0	192.4	0.6
7/30/2005	16:30:39	29.50	52.829	34.70	-0.68	0	27.519	8.07	-84.2	168.4	0.2
7/30/2005	17:00:39	29.54	52.812	34.68	-0.68	0	27.462	8.06	-83.4	127.8	0.4
7/30/2005	17:30:39	29.53	52.825	34.69	-0.68	0	27.463	8.03	-81.9	82.3	0.6
7/30/2005	18:00:39	29.59	52.819	34.69	-0.68	0	27.462	8.03	-81.8	75.1	0.7
7/30/2005	18:30:39	29.61	52.812	34.68	-0.68	1	27.448	8.02	-81.1	50.0	0.8
7/30/2005	19:00:39	29.61	52.800	34.67	-0.68	0	27.495	8.02	-80.9	26.0	6.4
7/30/2005	19:30:39	29.66	52.789	34.66	-0.68	0	27.549	8.01	-80.4	13.4	0.3
7/30/2005	20:00:39	29.66	52.813	34.68	-0.68	0	27.543	8.00	-80.2	4.5	0.0
7/30/2005	20:30:39	29.80	52.717	34.60	-0.68	0	27.587	8.00	-79.8	2.3	0.5
7/30/2005	21:00:39	29.87	52.612	34.52	-0.69	0	27.640	8.02	-80.9	2.3	0.9
7/30/2005	21:30:39	29.87	52.613	34.52	-0.69	0	27.684	8.02	-80.9	2.3	5.8
7/30/2005	22:00:39	29.88	52.623	34.53	-0.69	0	27.739	8.01	-80.7	2.3	1.8
7/30/2005	22:30:39	29.90	52.634	34.54	-0.69	0	27.805	8.02	-81.0	2.1	0.5
7/30/2005	23:00:39	29.92	52.616	34.52	-0.69	0	27.840	8.02	-80.9	2.3	0.3
7/30/2005	23:30:39	29.95	52.576	34.49	-0.69	0	27.896	8.02	-81.1	2.1	0.7
7/31/2005	0:00:39	30.00	52.528	34.46	-0.70	0	27.939	8.01	-80.7	2.1	0.4
7/31/2005	0:30:39	29.72	52.715	34.60	-0.69	1	27.970	7.99	-79.6	2.1	0.6
7/31/2005	1:00:39	29.77	52.717	34.60	-0.69	0	28.009	8.00	-79.8	2.1	0.3
7/31/2005	1:30:39	29.79	52.708	34.60	-0.69	0	28.063	7.99	-79.6	2.0	0.3
7/31/2005	2:00:39	29.78	52.709	34.60	-0.69	0	28.068	7.98	-79.0	2.1	0.3
7/31/2005	2:30:39	29.78	52.706	34.60	-0.69	0	28.087	7.98	-78.6	2.0	0.3
7/31/2005	3:00:39	29.78	52.702	34.59	-0.69	0	28.119	7.97	-78.5	2.0	0.4
7/31/2005	3:30:39	29.56	52.804	34.68	-0.68	0	28.118	7.97	-77.9	1.8	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
7/31/2005	4:00:39	29.53	52.839	34.70	-0.68	0	28.106	7.99	-79.2	1.9	0.4
7/31/2005	4:30:39	29.57	52.818	34.69	-0.68	0	28.121	7.99	-79.3	2.0	0.2
7/31/2005	5:00:39	29.50	52.873	34.73	-0.68	0	28.097	8.00	-79.9	2.0	0.4
7/31/2005	5:30:39	29.56	52.843	34.70	-0.68	0	28.135	8.00	-79.8	2.0	0.3
7/31/2005	6:00:39	29.53	52.857	34.72	-0.67	0	28.116	7.99	-79.3	2.0	0.3
7/31/2005	6:30:39	29.54	52.840	34.70	-0.68	0	28.116	7.99	-79.1	2.2	0.3
7/31/2005	7:00:39	29.55	52.842	34.70	-0.68	0	28.078	7.99	-79.1	7.2	0.1
7/31/2005	7:30:39	29.56	52.858	34.72	-0.68	0	28.071	7.98	-79.0	17.0	0.1
7/31/2005	8:00:39	29.61	52.842	34.70	-0.68	0	28.045	7.98	-78.7	27.7	0.3
7/31/2005	8:30:39	29.59	52.853	34.71	-0.68	0	28.015	7.99	-79.1	28.7	0.1
7/31/2005	9:00:39	29.60	52.843	34.70	-0.68	0	28.029	8.00	-79.8	31.9	0.1
7/31/2005	9:30:39	29.62	52.700	34.60	-0.68	0	28.020	8.02	-80.8	67.9	0.3
7/31/2005	10:00:39	29.63	52.847	34.70	-0.68	0	27.993	8.01	-80.3	95.3	0.1
7/31/2005	10:30:39	29.65	52.849	34.71	-0.68	0	27.947	8.02	-81.1	139.3	0.1
7/31/2005	11:00:39	29.66	52.839	34.70	-0.68	1	27.925	8.00	-80.2	75.3	0.1
7/31/2005	11:30:39	29.69	52.840	34.70	-0.68	0	27.923	8.01	-80.6	78.0	0.3
7/31/2005	12:00:39	29.74	52.830	34.69	-0.69	0	27.881	8.04	-82.2	190.0	0.3
7/31/2005	12:30:39	29.77	52.821	34.68	-0.69	0	27.826	8.05	-83.1	213.5	1.1
7/31/2005	13:00:39	29.81	52.819	34.68	-0.69	0	27.821	8.05	-82.6	223.5	0.4
7/31/2005	13:30:39	29.83	52.812	34.67	-0.70	0	27.742	8.04	-82.2	231.6	0.7
7/31/2005	14:00:39	29.86	52.833	34.69	-0.70	0	27.692	8.04	-82.5	235.1	0.2
7/31/2005	14:30:39	29.87	52.840	34.69	-0.70	0	27.674	8.04	-82.2	129.3	0.4
7/31/2005	15:00:39	29.90	52.842	34.69	-0.70	0	27.605	8.06	-83.4	213.8	0.1
7/31/2005	15:30:39	29.86	52.840	34.69	-0.70	0	27.590	8.07	-83.9	183.1	1.5
7/31/2005	16:00:39	29.88	52.840	34.69	-0.70	0	27.545	8.08	-84.5	163.1	0.1
7/31/2005	16:30:39	29.89	52.840	34.69	-0.69	0	27.524	8.07	-84.0	144.8	1.1
7/31/2005	17:00:39	29.90	52.838	34.69	-0.69	0	27.513	8.05	-83.0	119.5	0.2
7/31/2005	17:30:39	29.90	52.833	34.69	-0.69	0	27.509	8.04	-82.3	89.7	1.1
7/31/2005	18:00:39	29.91	52.829	34.68	-0.69	0	27.469	8.04	-82.3	68.3	2.6
7/31/2005	18:30:39	29.91	52.830	34.68	-0.69	0	27.467	8.03	-81.7	44.9	4.3
7/31/2005	19:00:39	29.91	52.829	34.68	-0.69	0	27.507	8.01	-80.8	26.8	1.4
7/31/2005	19:30:39	29.91	52.830	34.68	-0.69	1	27.510	8.00	-80.3	13.1	1.2
7/31/2005	20:00:39	29.91	52.826	34.68	-0.70	0	27.503	8.00	-80.0	4.4	1.8
7/31/2005	20:30:39	29.97	52.682	34.57	-0.70	0	27.541	8.01	-80.9	2.0	1.3
7/31/2005	21:00:39	29.98	52.663	34.56	-0.69	0	27.597	8.01	-80.8	2.1	0.2
7/31/2005	21:30:39	29.96	52.665	34.56	-0.69	0	27.630	8.01	-80.7	2.1	0.1
7/31/2005	22:00:39	29.97	52.657	34.55	-0.69	0	27.675	8.02	-81.1	2.1	2.0
7/31/2005	22:30:39	29.94	52.670	34.56	-0.69	0	27.743	8.02	-81.1	2.1	0.6
7/31/2005	23:00:39	29.93	52.662	34.56	-0.69	0	27.781	8.01	-80.9	2.1	0.4
7/31/2005	23:30:39	29.91	52.677	34.57	-0.69	0	27.829	8.02	-80.9	2.0	0.3
8/1/2005	0:00:39	29.88	52.704	34.59	-0.69	0	27.873	8.02	-81.0	2.0	0.1
8/1/2005	0:30:39	29.90	52.721	34.60	-0.69	0	27.937	8.01	-80.9	2.1	1.7
8/1/2005	1:00:39	29.91	52.715	34.60	-0.69	0	27.991	8.01	-80.7	2.1	0.9
8/1/2005	1:30:39	29.98	52.711	34.59	-0.69	0	27.984	8.01	-80.7	2.1	0.6
8/1/2005	2:00:39	29.97	52.708	34.59	-0.70	0	28.020	8.00	-80.2	2.0	0.8
8/1/2005	2:30:39	29.72	52.772	34.65	-0.69	0	28.071	7.98	-79.0	2.1	0.9
8/1/2005	3:00:39	29.71	52.782	34.65	-0.69	0	28.116	7.99	-79.1	2.0	0.2
8/1/2005	3:30:39	29.73	52.778	34.65	-0.69	0	28.138	7.98	-79.0	2.1	1.0
8/1/2005	4:00:39	30.08	52.768	34.63	-0.70	0	28.166	8.01	-80.7	2.0	1.2
8/1/2005	4:30:39	29.54	52.855	34.71	-0.69	0	28.132	7.98	-79.0	2.0	0.4
8/1/2005	5:00:39	29.54	52.873	34.73	-0.68	0	28.159	8.01	-80.3	2.0	0.7
8/1/2005	5:30:39	29.61	52.883	34.73	-0.68	0	28.157	8.01	-80.6	1.9	2.1
8/1/2005	6:00:39	29.62	52.879	34.73	-0.68	0	28.157	8.00	-80.2	2.1	2.0
8/1/2005	6:30:39	29.63	52.826	34.69	-0.68	0	28.136	8.01	-80.5	2.2	1.2
8/1/2005	7:00:39	29.52	52.832	34.70	-0.68	0	28.099	8.01	-80.5	6.0	0.9
8/1/2005	7:30:39	29.43	52.859	34.72	-0.68	0	28.127	8.01	-80.6	12.0	0.9
8/1/2005	8:00:39	29.43	52.958	34.79	-0.67	0	28.108	8.02	-80.9	16.5	0.1
8/1/2005	8:30:39	29.48	52.973	34.80	-0.67	0	28.075	8.02	-80.9	22.7	0.5
8/1/2005	9:00:39	29.51	52.974	34.80	-0.68	0	28.069	8.02	-80.9	30.4	1.0
8/1/2005	9:30:39	29.54	52.971	34.80	-0.68	0	28.008	8.02	-80.9	47.6	1.8
8/1/2005	10:00:39	29.56	52.980	34.81	-0.68	0	28.045	8.02	-81.4	142.7	1.3
8/1/2005	10:30:39	29.59	52.971	34.80	-0.69	0	28.028	8.03	-81.5	140.0	0.1
8/1/2005	11:00:39	29.62	52.954	34.78	-0.69	0	27.941	8.04	-82.3	160.8	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/1/2005	11:30:39	29.64	52.931	34.77	-0.69	0	27.950	8.03	-81.9	195.2	3.9
8/1/2005	12:00:39	29.68	52.917	34.76	-0.70	0	27.948	8.04	-82.4	217.0	3.4
8/1/2005	12:30:39	29.66	52.908	34.75	-0.70	0	27.919	8.04	-82.5	225.9	2.6
8/1/2005	13:00:39	29.70	52.907	34.75	-0.71	0	27.867	8.07	-83.8	226.2	0.2
8/1/2005	13:30:39	29.74	52.892	34.73	-0.70	0	27.841	8.06	-83.4	238.3	6.7
8/1/2005	14:00:39	29.74	52.893	34.74	-0.71	0	27.732	8.05	-82.9	202.5	6.2
8/1/2005	14:30:39	29.77	52.900	34.74	-0.70	0	27.761	8.07	-84.1	226.2	0.7
8/1/2005	15:00:39	29.79	52.889	34.73	-0.70	0	27.665	8.05	-83.1	202.1	8.2
8/1/2005	15:30:39	29.80	52.878	34.72	-0.70	0	27.661	8.07	-84.3	202.1	0.2
8/1/2005	16:00:39	29.82	52.870	34.72	-0.70	0	27.634	8.09	-85.1	175.5	14.7
8/1/2005	16:30:39	29.83	52.867	34.71	-0.71	0	27.561	8.08	-84.9	147.5	2.5
8/1/2005	17:00:39	29.83	52.866	34.71	-0.70	0	27.563	8.05	-83.1	120.6	0.1
8/1/2005	17:30:39	29.84	52.849	34.70	-0.70	0	27.527	8.06	-83.2	93.1	0.1
8/1/2005	18:00:39	29.83	52.834	34.69	-0.69	0	27.483	8.03	-82.0	69.0	0.5
8/1/2005	18:30:39	29.81	52.775	34.65	-0.69	0	27.455	8.03	-81.5	47.1	0.7
8/1/2005	19:00:39	29.81	52.798	34.66	-0.69	0	27.452	8.02	-81.1	27.5	0.2
8/1/2005	19:30:39	29.81	52.790	34.66	-0.69	0	27.417	8.01	-80.5	12.7	5.6
8/1/2005	20:00:39	29.81	52.785	34.65	-0.69	0	27.519	8.01	-80.3	4.1	0.2
8/1/2005	20:30:39	29.81	52.786	34.65	-0.69	0	27.467	8.00	-80.2	2.0	6.6
8/1/2005	21:00:39	29.83	52.774	34.64	-0.69	0	27.516	8.00	-79.8	2.0	12.6
8/1/2005	21:30:39	29.82	52.781	34.65	-0.69	1	27.536	8.00	-79.8	2.0	0.5
8/1/2005	22:00:39	29.89	52.731	34.61	-0.69	0	27.630	8.02	-80.9	2.1	0.3
8/1/2005	22:30:39	29.88	52.727	34.61	-0.69	0	27.614	8.02	-80.9	1.9	0.1
8/1/2005	23:00:39	29.89	52.725	34.61	-0.68	0	27.708	8.01	-80.7	1.9	15.2
8/1/2005	23:30:39	29.89	52.724	34.61	-0.69	0	27.748	8.01	-80.4	1.9	20.6
8/2/2005	0:00:39	29.93	52.753	34.62	-0.69	0	27.794	8.01	-80.6	2.0	0.1
8/2/2005	0:30:39	29.93	52.822	34.68	-0.69	0	27.831	8.02	-81.1	2.0	0.2
8/2/2005	1:00:39	29.83	52.838	34.69	-0.68	0	27.879	8.02	-80.9	1.9	19.4
8/2/2005	1:30:39	29.62	52.889	34.74	-0.68	0	27.950	8.01	-80.7	1.8	0.2
8/2/2005	2:00:39	29.60	52.903	34.75	-0.67	0	27.969	8.01	-80.7	1.8	1.2
8/2/2005	2:30:39	29.68	52.932	34.77	-0.67	0	28.029	8.02	-81.0	2.0	1.0
8/2/2005	3:00:39	29.70	52.956	34.78	-0.67	0	28.037	8.02	-81.0	2.0	1.4
8/2/2005	3:30:39	29.70	52.977	34.80	-0.67	0	28.095	8.02	-81.0	1.9	0.9
8/2/2005	4:00:39	29.67	52.974	34.80	-0.67	0	28.084	8.02	-81.1	1.9	0.4
8/2/2005	4:30:39	29.73	52.971	34.79	-0.69	0	28.120	8.02	-81.1	1.8	0.6
8/2/2005	5:00:39	29.79	52.991	34.81	-0.70	0	28.140	8.02	-81.4	1.9	0.7
8/2/2005	5:30:39	29.82	52.558	34.48	-0.72	0	28.146	8.03	-81.5	1.7	1.2
8/2/2005	6:00:39	29.88	52.990	34.80	-0.72	0	28.133	8.02	-81.4	1.8	1.4
8/2/2005	6:30:39	29.93	52.978	34.79	-0.72	0	28.133	8.02	-81.4	2.0	1.7
8/2/2005	7:00:39	30.01	52.966	34.78	-0.73	0	28.140	8.03	-81.7	8.3	3.1
8/2/2005	7:30:39	30.07	52.972	34.78	-0.73	0	28.161	8.03	-81.7	19.2	0.6
8/2/2005	8:00:39	30.12	52.957	34.77	-0.72	0	28.116	8.03	-81.6	24.2	0.2
8/2/2005	8:30:39	30.15	52.947	34.76	-0.72	0	28.132	8.03	-82.0	67.4	0.3
8/2/2005	9:00:39	30.17	52.935	34.75	-0.72	0	28.109	8.03	-81.9	80.9	0.2
8/2/2005	9:30:39	30.19	52.888	34.72	-0.72	0	28.108	8.04	-82.5	107.1	1.0
8/2/2005	10:00:39	30.16	52.916	34.74	-0.72	0	28.113	8.04	-82.1	94.0	3.2
8/2/2005	10:30:39	30.18	52.945	34.76	-0.72	0	28.065	8.03	-81.8	54.9	3.0
8/2/2005	11:00:39	30.17	52.926	34.74	-0.71	0	28.012	8.03	-81.8	70.0	0.2
8/2/2005	11:30:39	30.20	52.898	34.72	-0.72	0	28.005	8.06	-83.3	190.5	0.3
8/2/2005	12:00:39	29.83	52.933	34.76	-0.71	0	27.985	8.01	-80.8	82.3	2.8
8/2/2005	12:30:39	29.85	52.948	34.77	-0.70	0	27.957	8.06	-83.6	222.0	1.4
8/2/2005	13:00:39	30.03	52.945	34.76	-0.71	0	27.947	8.07	-84.3	233.5	2.3
8/2/2005	13:30:39	29.21	52.962	34.80	-0.69	0	27.877	8.02	-81.2	221.3	0.3
8/2/2005	14:00:39	29.19	52.982	34.82	-0.68	0	27.828	8.06	-83.5	237.5	0.3
8/2/2005	14:30:39	29.38	53.046	34.86	-0.68	0	27.824	8.07	-84.1	245.1	2.3
8/2/2005	15:00:39	29.70	53.081	34.88	-0.69	0	27.770	8.09	-85.1	228.0	1.7
8/2/2005	15:30:39	29.69	52.895	34.74	-0.68	0	27.733	8.08	-84.8	205.4	0.3
8/2/2005	16:00:39	29.70	52.856	34.71	-0.69	0	27.678	8.08	-84.7	166.7	5.3
8/2/2005	16:30:39	29.68	52.848	34.70	-0.68	0	27.667	8.06	-83.5	139.9	0.3
8/2/2005	17:00:39	29.60	52.851	34.71	-0.68	0	27.564	8.04	-82.5	116.3	2.3
8/2/2005	17:30:39	29.57	52.863	34.72	-0.67	0	27.543	8.05	-82.6	83.0	5.0
8/2/2005	18:00:39	29.59	52.859	34.72	-0.68	0	27.516	8.04	-82.1	65.0	0.7
8/2/2005	18:30:39	29.60	52.857	34.71	-0.68	0	27.483	8.03	-81.6	41.5	380.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/2/2005	19:00:39	29.63	52.848	34.71	-0.68	0	27.452	8.02	-81.1	24.2	15.0
8/2/2005	19:30:39	29.64	52.836	34.70	-0.67	0	27.463	8.01	-80.5	11.6	0.6
8/2/2005	20:00:39	29.65	52.840	34.70	-0.68	0	27.446	8.00	-80.0	3.6	91.1
8/2/2005	20:30:39	29.65	52.834	34.69	-0.68	0	27.482	7.99	-79.5	1.9	7.7
8/2/2005	21:00:39	29.69	52.821	34.68	-0.68	0	27.490	7.99	-79.1	1.8	3.6
8/2/2005	21:30:39	29.85	52.749	34.63	-0.68	0	27.498	7.99	-79.7	1.8	2.4
8/2/2005	22:00:39	30.10	52.766	34.63	-0.70	0	27.548	8.02	-81.4	1.9	1.3
8/2/2005	22:30:39	30.06	52.738	34.61	-0.70	1	27.565	8.02	-81.0	1.8	1.3
8/2/2005	23:00:39	30.06	52.710	34.59	-0.70	0	27.633	8.01	-80.9	1.9	11.1
8/2/2005	23:30:39	30.13	52.703	34.58	-0.71	0	27.677	8.02	-81.2	1.9	4.5
8/3/2005	0:00:39	30.15	52.746	34.61	-0.71	0	27.734	8.02	-81.2	1.8	2.4
8/3/2005	0:30:39	30.02	52.796	34.65	-0.71	0	27.779	8.02	-81.2	1.9	1.5
8/3/2005	1:00:39	29.92	52.832	34.68	-0.70	0	27.825	8.02	-81.1	1.8	1.6
8/3/2005	1:30:39	29.76	52.537	34.47	-0.70	0	27.876	8.02	-80.9	1.9	8.9
8/3/2005	2:00:39	29.67	52.690	34.59	-0.68	0	27.924	8.02	-80.9	1.8	8.8
8/3/2005	2:30:39	29.65	52.755	34.64	-0.68	0	27.966	8.02	-81.1	1.8	4.0
8/3/2005	3:00:39	29.70	52.701	34.59	-0.68	0	27.991	8.02	-81.1	1.7	0.3
8/3/2005	3:30:39	29.82	52.767	34.64	-0.68	0	28.017	8.02	-81.2	1.7	6.1
8/3/2005	4:00:39	29.86	52.868	34.71	-0.69	1	28.060	8.02	-81.0	1.8	4.9
8/3/2005	4:30:39	29.85	52.754	34.63	-0.68	0	28.068	8.02	-81.1	1.8	6.8
8/3/2005	5:00:39	29.86	52.669	34.57	-0.69	0	28.118	8.02	-81.2	1.7	11.0
8/3/2005	5:30:39	29.89	52.852	34.70	-0.69	0	28.125	8.02	-80.9	1.6	15.4
8/3/2005	6:00:39	29.96	52.979	34.79	-0.69	0	28.130	8.02	-81.0	1.6	11.9
8/3/2005	6:30:39	30.00	52.984	34.79	-0.69	0	28.147	8.01	-80.9	1.8	13.8
8/3/2005	7:00:39	30.00	52.977	34.79	-0.69	1	28.133	8.01	-80.8	4.9	12.5
8/3/2005	7:30:39	30.03	52.981	34.79	-0.70	0	28.141	8.02	-81.0	12.9	14.8
8/3/2005	8:00:39	29.84	52.886	34.73	-0.67	0	28.140	8.00	-80.1	19.7	2.9
8/3/2005	8:30:39	29.89	52.937	34.76	-0.67	0	28.125	8.02	-81.2	28.0	6.4
8/3/2005	9:00:39	29.99	52.974	34.79	-0.68	0	28.119	8.02	-81.4	32.0	8.2
8/3/2005	9:30:39	29.99	52.978	34.79	-0.70	0	28.102	8.02	-81.4	37.8	4.9
8/3/2005	10:00:39	29.98	52.986	34.80	-0.69	0	28.090	8.04	-82.1	98.0	10.6
8/3/2005	10:30:39	29.99	52.980	34.79	-0.69	0	28.076	8.04	-82.3	169.3	2.0
8/3/2005	11:00:39	29.99	52.979	34.79	-0.70	0	28.073	8.04	-82.3	162.3	7.9
8/3/2005	11:30:39	30.02	52.972	34.78	-0.69	0	28.050	8.04	-82.4	160.8	10.9
8/3/2005	12:00:39	30.03	52.965	34.78	-0.70	0	28.030	8.04	-82.5	189.3	0.3
8/3/2005	12:30:39	30.04	52.954	34.77	-0.69	0	28.004	8.05	-82.9	117.4	3.6
8/3/2005	13:00:39	30.06	52.933	34.75	-0.69	0	27.980	8.07	-84.4	226.0	9.1
8/3/2005	13:30:39	30.04	52.922	34.75	-0.69	0	27.955	8.07	-84.3	223.6	10.0
8/3/2005	14:00:39	30.03	52.883	34.72	-0.69	0	27.914	8.06	-83.7	218.6	14.5
8/3/2005	14:30:39	30.00	52.864	34.70	-0.69	0	27.871	8.06	-83.7	205.6	0.4
8/3/2005	15:00:39	29.98	52.853	34.70	-0.69	0	27.834	8.06	-83.4	143.8	0.7
8/3/2005	15:30:39	29.89	52.893	34.73	-0.68	0	27.797	8.04	-82.5	120.8	0.3
8/3/2005	16:00:39	29.63	52.947	34.78	-0.67	0	27.745	8.06	-83.3	135.4	0.3
8/3/2005	16:30:39	29.57	52.978	34.80	-0.66	0	27.704	8.05	-83.0	138.6	1.2
8/3/2005	17:00:39	29.63	52.965	34.79	-0.67	0	27.665	8.05	-82.7	103.2	1.2
8/3/2005	17:30:39	29.44	53.003	34.83	-0.65	0	27.621	8.03	-81.9	81.2	5.3
8/3/2005	18:00:39	29.19	53.039	34.86	-0.66	0	27.580	8.01	-80.7	47.0	1.3
8/3/2005	18:30:39	29.18	53.032	34.86	-0.65	0	27.534	8.01	-80.4	33.5	19.7
8/3/2005	19:00:39	29.30	53.020	34.84	-0.66	0	27.521	8.01	-80.6	25.7	8.8
8/3/2005	19:30:39	29.28	53.001	34.83	-0.64	0	27.508	8.00	-80.0	11.3	0.6
8/3/2005	20:00:39	29.20	52.969	34.81	-0.64	0	27.506	8.00	-79.7	3.4	23.4
8/3/2005	20:30:39	29.12	52.832	34.71	-0.64	0	27.491	7.99	-79.1	1.8	1.4
8/3/2005	21:00:39	29.11	52.774	34.67	-0.64	0	27.497	7.98	-78.9	1.9	15.4
8/3/2005	21:30:39	29.14	52.782	34.67	-0.64	0	27.513	7.98	-78.9	1.8	2.5
8/3/2005	22:00:39	29.10	52.753	34.65	-0.64	0	27.542	7.98	-78.9	1.8	9.4
8/3/2005	22:30:39	29.11	52.731	34.64	-0.63	0	27.576	7.97	-78.3	1.7	7.4
8/3/2005	23:00:39	29.15	52.713	34.62	-0.64	0	27.594	7.98	-78.6	1.8	0.7
8/3/2005	23:30:39	29.21	52.756	34.65	-0.64	0	27.633	7.99	-79.2	1.7	1.2
8/4/2005	0:00:39	29.22	52.795	34.68	-0.64	0	27.689	7.99	-79.2	1.7	32.7
8/4/2005	0:30:39	29.26	52.813	34.69	-0.64	0	27.748	8.00	-79.8	1.9	0.6
8/4/2005	1:00:39	29.27	52.825	34.70	-0.64	0	27.795	8.00	-79.9	1.8	0.4
8/4/2005	1:30:39	29.26	52.838	34.71	-0.64	0	27.832	8.00	-80.0	1.7	5.8
8/4/2005	2:00:39	29.26	52.835	34.71	-0.64	0	27.866	7.99	-79.3	1.8	0.1

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/4/2005	2:30:39	29.27	52.828	34.70	-0.64	0	27.914	7.99	-79.4	1.8	0.3
8/4/2005	3:00:39	29.03	52.551	34.51	-0.63	0	27.948	8.00	-79.9	1.8	0.7
8/4/2005	3:30:39	29.05	52.575	34.52	-0.64	0	27.989	8.00	-79.7	1.7	15.7
8/4/2005	4:00:39	29.07	52.572	34.52	-0.64	0	28.008	7.99	-79.5	1.8	0.7
8/4/2005	4:30:39	29.12	52.546	34.50	-0.63	0	28.042	7.99	-79.3	1.7	17.5
8/4/2005	5:00:39	29.11	52.563	34.51	-0.63	0	28.063	7.98	-79.0	1.7	2.8
8/4/2005	5:30:39	29.12	52.606	34.54	-0.64	0	28.060	7.97	-78.3	1.7	32.7
8/4/2005	6:00:39	29.19	52.578	34.52	-0.63	0	28.095	7.98	-78.8	1.9	0.3
8/4/2005	6:30:39	29.30	52.721	34.62	-0.65	0	28.088	8.00	-80.0	1.9	0.1
8/4/2005	7:00:39	29.30	52.719	34.62	-0.64	0	28.103	7.99	-79.4	5.9	0.1
8/4/2005	7:30:39	29.30	52.742	34.64	-0.64	1	28.115	7.99	-79.5	14.1	0.0
8/4/2005	8:00:39	29.30	52.754	34.65	-0.64	0	28.106	7.99	-79.1	25.4	0.0
8/4/2005	8:30:39	29.30	52.752	34.65	-0.64	1	28.090	7.98	-78.9	37.6	0.1
8/4/2005	9:00:39	29.30	52.743	34.64	-0.64	0	28.103	7.98	-78.9	56.5	0.1
8/4/2005	9:30:39	29.32	52.747	34.64	-0.64	0	28.083	7.98	-78.6	76.2	0.5
8/4/2005	10:00:39	29.40	52.766	34.65	-0.65	0	28.083	7.99	-79.5	57.2	0.4
8/4/2005	10:30:39	29.55	52.745	34.63	-0.66	0	28.076	8.04	-82.0	148.3	0.3
8/4/2005	11:00:39	29.55	52.735	34.62	-0.66	0	28.068	8.04	-82.2	161.5	0.4
8/4/2005	11:30:39	29.54	52.745	34.63	-0.66	0	28.061	8.03	-81.9	123.2	0.3
8/4/2005	12:00:39	29.47	52.775	34.66	-0.67	0	28.006	8.01	-80.7	90.6	0.3
8/4/2005	12:30:39	29.45	52.809	34.68	-0.68	0	27.984	8.08	-84.3	195.4	0.6
8/4/2005	13:00:39	29.48	52.814	34.69	-0.66	0	27.965	8.04	-82.0	85.4	0.3
8/4/2005	13:30:39	29.51	52.776	34.66	-0.66	1	27.946	8.01	-80.5	39.0	0.2
8/4/2005	14:00:39	29.51	52.869	34.73	-0.67	0	27.919	8.04	-82.1	206.0	0.3
8/4/2005	14:30:39	29.63	53.019	34.83	-0.66	0	27.888	8.03	-81.8	118.4	0.3
8/4/2005	15:00:39	29.74	53.133	34.91	-0.66	0	27.857	8.03	-81.6	56.9	0.9
8/4/2005	15:30:39	29.86	53.204	34.96	-0.67	0	27.830	8.03	-81.8	56.9	4.5
8/4/2005	16:00:39	29.87	53.241	34.99	-0.67	0	27.774	8.03	-81.5	54.4	1.0
8/4/2005	16:30:39	29.89	53.261	35.00	-0.66	0	27.736	8.02	-81.4	46.6	0.7
8/4/2005	17:00:39	29.89	53.257	35.00	-0.68	0	27.695	8.02	-81.2	37.3	0.6
8/4/2005	17:30:39	29.84	53.231	34.98	-0.66	0	27.651	8.01	-80.9	31.9	1.0
8/4/2005	18:00:39	29.83	53.212	34.97	-0.66	1	27.615	8.01	-80.6	27.0	0.7
8/4/2005	18:30:39	29.88	53.217	34.97	-0.66	0	27.575	8.01	-80.8	17.9	1.3
8/4/2005	19:00:39	29.85	53.238	34.99	-0.67	0	27.540	8.01	-80.5	14.6	0.2
8/4/2005	19:30:39	29.80	53.226	34.98	-0.65	0	27.521	8.01	-80.5	8.3	3.9
8/4/2005	20:00:39	29.79	53.215	34.97	-0.66	0	27.497	8.01	-80.4	2.6	0.1
8/4/2005	20:30:39	29.81	53.213	34.97	-0.65	0	27.494	8.00	-80.1	1.8	2.9
8/4/2005	21:00:39	29.85	53.208	34.96	-0.65	0	27.478	8.00	-80.0	1.7	1.1
8/4/2005	21:30:39	29.86	53.193	34.95	-0.65	1	27.489	8.00	-80.1	1.7	0.5
8/4/2005	22:00:39	29.91	53.143	34.91	-0.66	0	27.512	8.01	-80.4	1.7	0.3
8/4/2005	22:30:39	29.94	53.124	34.90	-0.67	0	27.530	8.00	-80.2	1.7	0.2
8/4/2005	23:00:39	29.98	53.103	34.88	-0.67	0	27.546	8.00	-80.3	1.7	0.4
8/4/2005	23:30:39	29.98	53.111	34.89	-0.65	0	27.571	8.00	-80.1	1.8	0.3
8/5/2005	0:00:39	29.98	53.107	34.89	-0.67	0	27.613	8.00	-79.9	1.8	1.0
8/5/2005	0:30:39	29.96	53.106	34.89	-0.65	0	27.659	7.98	-79.0	1.9	3.7
8/5/2005	1:00:39	29.96	53.085	34.87	-0.65	0	27.710	7.99	-79.7	1.8	0.1
8/5/2005	1:30:39	29.95	53.087	34.87	-0.65	0	27.746	7.99	-79.4	1.8	0.4
8/5/2005	2:00:39	29.95	53.084	34.87	-0.68	0	27.803	7.98	-78.7	1.8	0.1
8/5/2005	2:30:39	29.73	53.117	34.90	-0.64	0	27.826	7.96	-77.9	1.9	3.0
8/5/2005	3:00:39	29.81	53.091	34.88	-0.66	0	27.875	7.96	-77.5	1.9	0.3
8/5/2005	3:30:39	29.84	53.081	34.87	-0.64	0	27.918	7.98	-79.0	1.9	0.2
8/5/2005	4:00:39	29.78	53.119	34.90	-0.64	0	27.962	7.99	-79.3	1.9	0.1
8/5/2005	4:30:39	29.80	53.106	34.89	-0.64	0	27.986	7.99	-79.2	2.0	0.8
8/5/2005	5:00:39	29.80	53.116	34.90	-0.66	0	28.018	7.99	-79.3	1.9	0.1
8/5/2005	5:30:39	29.81	53.110	34.89	-0.64	0	28.039	7.95	-77.1	2.0	0.4
8/5/2005	6:00:39	29.81	53.107	34.89	-0.64	0	28.059	7.93	-76.2	1.9	0.2
8/5/2005	6:30:39	29.81	53.075	34.87	-0.63	0	28.080	7.95	-77.0	2.1	1.6
8/5/2005	7:00:39	29.70	52.616	34.53	-0.63	1	28.081	7.97	-78.0	4.1	0.1
8/5/2005	7:30:39	29.65	52.799	34.67	-0.67	0	28.095	7.97	-77.9	10.9	2.5
8/5/2005	8:00:39	29.60	52.791	34.66	-0.63	0	28.101	7.97	-78.2	16.0	0.3
8/5/2005	8:30:39	29.53	52.774	34.65	-0.64	0	28.110	7.98	-78.5	15.6	2.0
8/5/2005	9:00:39	29.49	52.758	34.64	-0.63	0	28.120	7.98	-78.6	40.0	0.1
8/5/2005	9:30:39	29.50	52.705	34.60	-0.63	0	28.093	7.98	-79.0	68.7	2.0

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/5/2005	10:00:39	29.55	52.701	34.60	-0.63	0	28.096	7.99	-79.1	94.9	0.8
8/5/2005	10:30:39	29.59	52.706	34.60	-0.62	0	28.090	7.99	-79.7	79.3	2.3
8/5/2005	11:00:39	29.61	52.770	34.65	-0.63	0	28.086	7.99	-79.5	96.5	1.0
8/5/2005	11:30:39	29.64	52.651	34.56	-0.63	0	28.063	8.01	-80.7	138.2	0.4
8/5/2005	12:00:39	29.66	52.696	34.59	-0.63	0	28.053	8.02	-80.9	161.0	4.6
8/5/2005	12:30:39	29.73	52.739	34.62	-0.63	0	28.033	8.03	-81.6	175.7	3.3
8/5/2005	13:00:39	29.78	52.692	34.59	-0.63	0	28.031	8.03	-81.6	163.9	0.6
8/5/2005	13:30:39	29.81	52.684	34.58	-0.64	1	28.014	8.05	-82.6	181.0	0.4
8/5/2005	14:00:39	29.83	52.697	34.59	-0.64	0	27.993	8.04	-82.3	178.0	4.0
8/5/2005	14:30:39	29.86	52.702	34.59	-0.64	0	27.981	8.05	-82.6	186.8	0.4
8/5/2005	15:00:39	29.78	52.346	34.33	-0.67	0	27.948	8.02	-81.4	165.7	2.6
8/5/2005	15:30:39	29.88	52.731	34.61	-0.63	0	27.917	8.03	-81.6	152.9	3.3
8/5/2005	16:00:39	29.90	52.797	34.66	-0.63	0	27.878	8.03	-81.7	138.5	0.5
8/5/2005	16:30:39	29.92	52.769	34.64	-0.67	0	27.854	8.03	-81.9	127.4	0.4
8/5/2005	17:00:39	29.94	52.751	34.62	-0.63	0	27.819	8.02	-81.2	51.8	0.6
8/5/2005	17:30:39	29.94	52.790	34.65	-0.63	0	27.772	8.02	-80.9	57.4	0.4
8/5/2005	18:00:39	29.97	53.177	34.94	-0.64	0	27.729	8.01	-80.8	54.9	0.5
8/5/2005	18:30:39	29.94	53.219	34.97	-0.66	0	27.675	8.01	-80.5	39.8	4.2
8/5/2005	19:00:39	29.94	53.222	34.97	-0.66	0	27.648	8.01	-80.4	23.5	0.5
8/5/2005	19:30:39	29.96	53.209	34.96	-0.65	0	27.627	8.00	-79.9	9.6	1.4
8/5/2005	20:00:39	29.97	53.183	34.94	-0.63	0	27.597	8.00	-79.7	3.1	0.3
8/5/2005	20:30:39	29.96	53.200	34.96	-0.62	0	27.577	7.99	-79.3	2.1	0.3
8/5/2005	21:00:39	29.96	53.205	34.96	-0.62	0	27.552	7.98	-78.8	2.3	8.7
8/5/2005	21:30:39	29.96	53.171	34.93	-0.64	0	27.546	7.97	-78.2	2.2	8.2
8/5/2005	22:00:39	29.97	53.145	34.91	-0.65	0	27.562	7.96	-77.8	2.2	1.2
8/5/2005	22:30:39	29.97	53.162	34.93	-0.65	0	27.559	7.96	-77.9	2.2	0.6
8/5/2005	23:00:39	29.96	53.172	34.93	-0.65	0	27.586	7.99	-79.2	2.2	2.8
8/5/2005	23:30:39	29.95	53.161	34.93	-0.66	0	27.593	7.96	-77.9	2.1	3.8
8/6/2005	0:00:39	29.95	53.164	34.93	-0.65	0	27.635	7.95	-77.1	2.2	0.7
8/6/2005	0:30:39	29.95	53.159	34.92	-0.66	0	27.655	7.95	-77.1	2.3	1.4
8/6/2005	1:00:39	29.95	53.155	34.92	-0.66	0	27.689	7.95	-77.0	2.1	1.8
8/6/2005	1:30:39	29.95	53.152	34.92	-0.63	0	27.720	7.93	-76.2	2.2	1.5
8/6/2005	2:00:39	29.95	53.164	34.93	-0.63	0	27.764	7.96	-77.7	2.2	0.5
8/6/2005	2:30:39	29.95	53.160	34.93	-0.64	0	27.790	7.94	-76.5	2.1	3.5
8/6/2005	3:00:39	29.96	53.143	34.91	-0.64	0	27.837	7.93	-75.9	2.3	2.2
8/6/2005	3:30:39	29.96	53.138	34.91	-0.63	0	27.882	7.92	-75.3	2.2	1.9
8/6/2005	4:00:39	29.95	53.159	34.92	-0.63	0	27.915	7.94	-76.7	2.3	2.5
8/6/2005	4:30:39	29.95	53.180	34.94	-0.63	0	27.944	7.95	-77.2	2.3	0.4
8/6/2005	5:00:39	29.96	53.163	34.93	-0.64	0	27.962	7.93	-76.2	2.1	0.8
8/6/2005	5:30:39	29.95	53.157	34.92	-0.63	0	27.986	7.92	-75.6	2.2	1.6
8/6/2005	6:00:39	29.95	52.801	34.66	-0.63	0	28.014	7.93	-76.0	2.2	2.5
8/6/2005	6:30:39	29.96	50.643	33.07	-0.63	0	28.062	7.92	-75.2	2.3	0.7
8/6/2005	7:00:39	29.95	50.870	33.24	-0.63	0	28.061	7.93	-76.0	5.6	1.2
8/6/2005	7:30:39	29.96	50.196	32.74	-0.63	0	28.077	7.92	-75.4	15.1	0.4
8/6/2005	8:00:39	29.97	49.278	32.07	-0.63	0	28.107	7.92	-75.1	29.3	0.4
8/6/2005	8:30:39	29.97	50.202	32.74	-0.64	0	28.095	7.92	-75.3	48.0	0.4
8/6/2005	9:00:39	29.98	50.873	33.24	-0.63	0	28.073	7.92	-75.2	32.7	0.4
8/6/2005	9:30:39	29.98	50.765	33.16	-0.63	0	28.086	7.92	-75.2	36.0	0.4
8/6/2005	10:00:39	29.99	50.782	33.17	-0.63	0	28.068	7.94	-76.4	93.8	0.5
8/6/2005	10:30:39	29.97	50.640	33.07	-0.64	0	28.063	7.96	-77.8	58.0	0.3
8/6/2005	11:00:39	29.98	50.029	32.62	-0.63	0	28.059	7.97	-78.4	105.3	0.9
8/6/2005	11:30:39	30.01	49.409	32.16	-0.63	0	28.076	8.00	-80.0	147.1	0.4
8/6/2005	12:00:39	30.01	50.468	32.94	-0.63	0	28.037	7.99	-79.6	145.6	1.9
8/6/2005	12:30:39	30.01	50.409	32.90	-0.64	0	28.030	8.03	-81.8	197.1	0.3
8/6/2005	13:00:39	29.98	50.693	33.10	-0.63	0	28.012	8.01	-80.6	181.9	0.2
8/6/2005	13:30:39	30.00	50.211	32.75	-0.64	0	28.002	8.03	-81.5	179.8	0.4
8/6/2005	14:00:39	29.99	50.420	32.90	-0.64	0	27.991	8.01	-80.9	145.0	1.8
8/6/2005	14:30:39	30.02	51.265	33.52	-0.64	0	27.968	8.02	-81.1	153.9	0.2
8/6/2005	15:00:39	30.04	51.204	33.48	-0.63	0	27.931	8.04	-82.5	145.3	0.3
8/6/2005	15:30:39	30.05	51.051	33.37	-0.63	0	27.926	8.05	-83.1	152.2	1.3
8/6/2005	16:00:39	30.06	51.154	33.44	-0.63	0	27.882	8.05	-82.9	125.1	0.2
8/6/2005	16:30:39	30.08	50.928	33.27	-0.64	0	27.873	8.04	-82.4	115.4	0.3
8/6/2005	17:00:39	30.09	51.204	33.48	-0.63	0	27.837	8.02	-81.4	90.1	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/6/2005	17:30:39	30.08	50.458	32.93	-0.63	0	27.803	8.01	-80.7	72.3	0.4
8/6/2005	18:00:39	30.06	50.947	33.29	-0.63	0	27.773	7.99	-79.2	49.6	0.3
8/6/2005	18:30:39	30.08	49.610	32.31	-0.63	0	27.758	7.99	-79.2	35.4	0.6
8/6/2005	19:00:39	30.07	50.810	33.19	-0.62	0	27.709	7.96	-78.0	11.8	0.4
8/6/2005	19:30:39	30.06	51.426	33.64	-0.63	0	27.665	7.97	-78.2	8.1	0.4
8/6/2005	20:00:39	30.06	52.795	34.65	-0.62	0	27.616	7.96	-77.9	3.5	0.4
8/6/2005	20:30:39	30.06	53.032	34.83	-0.62	0	27.603	7.95	-77.2	2.4	0.4
8/6/2005	21:00:39	30.06	53.017	34.82	-0.63	0	27.588	7.94	-76.8	2.4	0.3
8/6/2005	21:30:39	30.06	53.025	34.82	-0.63	0	27.580	7.93	-76.2	2.5	1.6
8/6/2005	22:00:39	30.07	53.020	34.82	-0.63	0	27.590	7.94	-76.6	2.4	1.1
8/6/2005	22:30:39	30.06	53.014	34.81	-0.63	0	27.578	7.93	-75.9	2.4	0.4
8/6/2005	23:00:39	30.06	53.005	34.81	-0.63	0	27.590	7.92	-75.7	2.3	0.4
8/6/2005	23:30:39	30.06	52.973	34.78	-0.64	0	27.616	7.93	-76.0	2.4	0.3
8/7/2005	0:00:39	30.06	52.957	34.77	-0.64	0	27.633	7.92	-75.4	2.4	0.5
8/7/2005	0:30:39	30.07	52.961	34.77	-0.64	0	27.647	7.93	-75.9	2.3	0.2
8/7/2005	1:00:39	30.07	52.919	34.74	-0.64	0	27.664	7.92	-75.4	2.5	1.3
8/7/2005	1:30:39	30.07	52.914	34.74	-0.64	0	27.704	7.91	-75.1	2.4	0.3
8/7/2005	2:00:39	30.06	52.902	34.73	-0.64	0	27.725	7.91	-74.6	2.3	0.3
8/7/2005	2:30:39	30.03	52.962	34.78	-0.63	0	27.759	7.97	-78.1	2.2	0.2
8/7/2005	3:00:39	30.04	52.949	34.77	-0.64	0	27.801	7.95	-77.3	2.3	0.3
8/7/2005	3:30:39	30.04	52.917	34.74	-0.64	0	27.836	7.94	-76.8	2.2	0.0
8/7/2005	4:00:39	30.04	52.934	34.76	-0.64	0	27.852	7.95	-76.9	2.3	0.9
8/7/2005	4:30:39	30.01	52.997	34.80	-0.65	0	27.883	7.97	-78.2	2.3	0.1
8/7/2005	5:00:39	29.97	53.012	34.82	-0.64	0	27.917	7.98	-78.7	2.3	0.4
8/7/2005	5:30:39	29.96	53.004	34.81	-0.63	0	27.931	7.96	-77.8	2.3	0.4
8/7/2005	6:00:39	29.86	53.015	34.82	-0.63	0	27.966	7.96	-77.6	2.2	0.4
8/7/2005	6:30:39	29.76	53.073	34.87	-0.63	0	27.997	7.97	-78.1	2.4	0.2
8/7/2005	7:00:39	29.74	53.101	34.89	-0.64	0	27.967	7.98	-78.7	6.3	0.3
8/7/2005	7:30:39	29.73	53.106	34.89	-0.63	0	27.979	7.98	-78.7	15.4	0.5
8/7/2005	8:00:39	29.76	53.100	34.89	-0.63	0	27.986	7.99	-79.1	26.8	0.3
8/7/2005	8:30:39	29.78	53.106	34.89	-0.64	0	27.987	7.99	-79.2	43.1	0.2
8/7/2005	9:00:39	29.75	53.099	34.89	-0.64	0	28.004	7.99	-79.3	60.5	0.2
8/7/2005	9:30:39	29.74	53.110	34.90	-0.64	0	28.015	7.99	-79.6	75.5	0.1
8/7/2005	10:00:39	29.65	53.107	34.90	-0.64	0	27.992	8.00	-79.8	99.7	0.3
8/7/2005	10:30:39	29.67	53.114	34.90	-0.65	0	27.986	8.01	-80.5	112.6	0.4
8/7/2005	11:00:39	29.71	53.117	34.90	-0.64	0	27.989	8.01	-80.7	140.0	0.1
8/7/2005	11:30:39	29.72	53.122	34.91	-0.65	0	27.988	8.03	-81.7	158.1	0.2
8/7/2005	12:00:39	29.74	53.103	34.89	-0.65	0	27.983	8.04	-82.2	181.1	2.3
8/7/2005	12:30:39	29.76	53.102	34.89	-0.66	0	27.975	8.05	-82.6	194.0	0.1
8/7/2005	13:00:39	29.77	53.111	34.90	-0.65	0	27.968	8.03	-81.6	183.3	0.2
8/7/2005	13:30:39	29.90	53.086	34.87	-0.65	1	27.958	8.02	-81.2	214.6	0.2
8/7/2005	14:00:39	29.93	53.103	34.88	-0.65	0	27.953	8.04	-82.2	201.1	0.3
8/7/2005	14:30:39	29.94	53.100	34.88	-0.66	0	27.940	8.00	-79.9	59.2	0.1
8/7/2005	15:00:39	29.97	53.125	34.90	-0.65	0	27.926	8.03	-81.7	186.2	0.3
8/7/2005	15:30:39	29.98	53.108	34.89	-0.68	0	27.914	8.04	-82.3	163.7	0.3
8/7/2005	16:00:39	29.99	53.097	34.88	-0.64	0	27.894	8.04	-82.5	151.3	0.2
8/7/2005	16:30:39	30.01	53.085	34.87	-0.65	0	27.875	8.03	-81.7	123.6	0.3
8/7/2005	17:00:39	30.04	53.080	34.86	-0.64	0	27.882	8.01	-80.7	107.5	0.3
8/7/2005	17:30:39	30.02	53.071	34.86	-0.65	0	27.830	8.00	-80.0	85.5	0.4
8/7/2005	18:00:39	29.94	53.094	34.88	-0.64	0	27.831	7.99	-79.2	59.1	0.4
8/7/2005	18:30:39	29.94	53.099	34.88	-0.62	0	27.797	7.99	-79.3	39.1	0.2
8/7/2005	19:00:39	29.78	53.125	34.91	-0.62	0	27.756	7.97	-78.4	20.6	0.3
8/7/2005	19:30:39	29.83	53.103	34.89	-0.65	0	27.748	7.97	-78.4	10.8	0.4
8/7/2005	20:00:39	29.82	53.113	34.90	-0.63	0	27.714	7.97	-78.0	3.4	0.9
8/7/2005	20:30:39	29.79	53.110	34.89	-0.61	0	27.688	7.97	-78.1	2.3	0.3
8/7/2005	21:00:39	29.80	53.112	34.89	-0.63	0	27.687	7.96	-77.6	2.3	0.4
8/7/2005	21:30:39	29.81	53.112	34.89	-0.63	0	27.665	7.95	-77.3	2.3	0.5
8/7/2005	22:00:39	29.83	53.110	34.89	-0.63	0	27.626	7.95	-77.1	2.3	0.4
8/7/2005	22:30:39	30.02	52.998	34.80	-0.61	1	27.642	7.99	-79.5	2.4	0.3
8/7/2005	23:00:39	30.03	52.952	34.77	-0.61	0	27.679	7.99	-79.5	2.3	0.1
8/7/2005	23:30:39	30.00	52.987	34.80	-0.61	0	27.685	7.96	-77.7	2.4	0.5
8/8/2005	0:00:39	30.02	52.951	34.77	-0.61	0	27.685	7.96	-77.9	2.2	0.1
8/8/2005	0:30:39	30.03	52.917	34.74	-0.61	0	27.714	7.96	-77.7	2.2	0.0

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/8/2005	1:00:39	29.79	53.021	34.83	-0.60	0	27.743	7.96	-77.7	2.2	0.1
8/8/2005	1:30:39	30.01	52.933	34.76	-0.61	0	27.716	7.99	-79.5	2.2	0.3
8/8/2005	2:00:39	30.01	52.970	34.78	-0.61	0	27.741	7.99	-79.6	2.3	0.3
8/8/2005	2:30:39	30.01	52.965	34.78	-0.61	0	27.776	7.98	-78.9	2.2	0.1
8/8/2005	3:00:39	29.99	52.960	34.78	-0.61	1	27.802	7.98	-79.2	2.3	0.2
8/8/2005	3:30:39	30.00	52.999	34.80	-0.61	0	27.799	7.99	-79.3	2.3	0.2
8/8/2005	4:00:39	30.00	53.020	34.82	-0.61	0	27.851	7.98	-79.0	2.2	0.3
8/8/2005	4:30:39	30.00	53.023	34.82	-0.61	0	27.893	7.98	-79.1	2.2	0.3
8/8/2005	5:00:39	30.00	53.017	34.82	-0.61	0	27.899	7.98	-78.7	2.3	0.2
8/8/2005	5:30:39	30.00	53.013	34.82	-0.61	0	27.914	7.97	-78.4	2.2	0.2
8/8/2005	6:00:39	29.99	52.985	34.79	-0.61	0	27.957	7.96	-77.7	2.2	0.2
8/8/2005	6:30:39	29.96	52.981	34.79	-0.61	0	27.947	7.96	-77.7	2.3	0.2
8/8/2005	7:00:39	29.83	52.505	34.45	-0.60	0	27.977	7.96	-77.8	8.0	0.1
8/8/2005	7:30:39	29.93	52.572	34.49	-0.61	0	27.958	7.98	-78.8	21.9	0.4
8/8/2005	8:00:39	29.84	53.112	34.89	-0.60	0	27.994	7.98	-78.7	34.5	0.3
8/8/2005	8:30:39	29.85	52.656	34.56	-0.62	0	27.956	7.98	-78.9	47.5	1.1
8/8/2005	9:00:39	29.82	52.783	34.65	-0.62	0	27.987	7.98	-79.0	63.7	0.1
8/8/2005	9:30:39	29.82	52.802	34.67	-0.62	0	27.905	7.99	-79.5	78.3	0.2
8/8/2005	10:00:39	29.83	52.917	34.75	-0.62	0	27.959	8.00	-79.8	102.3	0.4
8/8/2005	10:30:39	29.86	53.105	34.89	-0.62	0	27.932	8.00	-80.3	113.0	0.3
8/8/2005	11:00:39	29.90	52.781	34.65	-0.62	0	27.974	8.01	-80.6	137.9	0.4
8/8/2005	11:30:39	29.91	52.815	34.67	-0.64	0	27.939	8.01	-80.9	150.6	0.3
8/8/2005	12:00:39	29.95	52.767	34.63	-0.62	0	27.946	8.02	-81.2	179.1	0.6
8/8/2005	12:30:39	29.97	52.750	34.62	-0.62	0	27.872	8.03	-81.8	182.4	0.4
8/8/2005	13:00:39	30.01	52.759	34.63	-0.62	0	27.940	8.05	-82.7	196.9	0.1
8/8/2005	13:30:39	30.03	52.765	34.63	-0.63	0	27.882	8.03	-81.7	194.6	0.8
8/8/2005	14:00:39	30.08	52.477	34.42	-0.63	0	27.933	8.04	-82.2	197.4	0.5
8/8/2005	14:30:39	30.09	52.760	34.62	-0.62	0	27.933	8.03	-81.8	185.0	0.0
8/8/2005	15:00:39	29.80	53.208	34.97	-0.61	0	27.924	8.01	-80.8	185.6	2.0
8/8/2005	15:30:39	29.87	53.206	34.96	-0.61	0	27.903	8.04	-82.0	176.1	0.7
8/8/2005	16:00:39	29.95	52.802	34.66	-0.62	0	27.911	8.03	-81.9	161.4	0.2
8/8/2005	16:30:39	29.79	52.747	34.63	-0.61	0	27.932	8.02	-81.4	138.2	0.9
8/8/2005	17:00:39	29.89	52.802	34.66	-0.63	0	27.893	8.02	-81.4	117.7	0.3
8/8/2005	17:30:39	30.02	52.830	34.68	-0.60	0	27.898	8.01	-80.6	59.6	0.2
8/8/2005	18:00:39	30.03	52.837	34.68	-0.60	0	27.901	8.01	-80.4	64.2	0.2
8/8/2005	18:30:39	30.04	52.814	34.67	-0.61	0	27.865	8.00	-80.0	39.7	0.7
8/8/2005	19:00:39	30.04	53.230	34.97	-0.60	1	27.846	8.00	-79.8	23.9	0.9
8/8/2005	19:30:39	30.00	53.221	34.97	-0.60	0	27.821	7.99	-79.4	10.3	0.9
8/8/2005	20:00:39	29.99	53.234	34.98	-0.61	1	27.766	7.99	-79.3	3.2	5.9
8/8/2005	20:30:39	29.99	53.229	34.98	-0.62	0	27.778	7.99	-79.3	2.1	0.5
8/8/2005	21:00:39	29.98	53.230	34.98	-0.61	0	27.789	7.99	-79.3	2.2	0.6
8/8/2005	21:30:39	29.99	53.224	34.97	-0.61	0	27.746	7.99	-79.3	2.2	0.2
8/8/2005	22:00:39	29.99	53.228	34.97	-0.61	0	27.788	7.98	-79.0	2.3	0.6
8/8/2005	22:30:39	29.98	53.229	34.98	-0.61	0	27.771	7.98	-78.7	2.2	0.4
8/8/2005	23:00:39	29.99	53.229	34.98	-0.62	0	27.745	7.97	-78.6	2.1	0.3
8/8/2005	23:30:39	29.99	53.225	34.97	-0.61	0	27.751	7.97	-78.2	2.2	0.4
8/9/2005	0:00:39	29.99	53.221	34.97	-0.61	0	27.728	7.96	-77.6	2.2	0.1
8/9/2005	0:30:39	30.01	53.220	34.97	-0.61	0	27.756	7.96	-77.6	2.2	0.3
8/9/2005	1:00:39	30.01	53.216	34.96	-0.64	0	27.746	7.96	-77.6	2.2	0.3
8/9/2005	1:30:39	30.07	53.200	34.95	-0.61	0	27.776	7.95	-77.0	2.3	0.5
8/9/2005	2:00:39	30.05	53.220	34.97	-0.61	0	27.768	7.97	-78.4	2.1	0.1
8/9/2005	2:30:39	30.07	53.214	34.96	-0.64	0	27.788	7.97	-78.2	2.2	0.1
8/9/2005	3:00:39	30.10	53.198	34.95	-0.62	0	27.817	7.98	-78.8	2.2	0.1
8/9/2005	3:30:39	30.10	53.192	34.94	-0.61	0	27.839	7.97	-78.2	2.2	0.6
8/9/2005	4:00:39	30.09	53.191	34.94	-0.63	0	27.870	7.96	-77.5	2.1	0.6
8/9/2005	4:30:39	30.10	53.187	34.94	-0.62	0	27.895	7.96	-77.5	2.2	0.6
8/9/2005	5:00:39	30.10	53.182	34.94	-0.62	0	27.887	7.96	-77.6	2.2	0.7
8/9/2005	5:30:39	30.12	53.156	34.92	-0.61	0	27.903	7.97	-78.3	2.1	0.4
8/9/2005	6:00:39	30.09	53.176	34.93	-0.61	0	27.931	7.95	-77.5	2.2	0.4
8/9/2005	6:30:39	30.09	53.176	34.93	-0.62	0	27.925	7.94	-76.7	2.2	0.6
8/9/2005	7:00:39	30.10	52.896	34.73	-0.61	0	27.911	7.94	-76.7	5.7	0.3
8/9/2005	7:30:39	30.06	52.995	34.80	-0.61	0	27.914	7.97	-78.4	16.8	0.0
8/9/2005	8:00:39	29.94	52.815	34.67	-0.61	0	27.917	7.94	-76.7	28.9	0.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
8/9/2005	8:30:39	29.84	52.767	34.64	-0.62	0	27.908	7.96	-77.9	46.8	0.4
8/9/2005	9:00:39	29.87	52.745	34.62	-0.62	0	27.902	7.98	-78.6	69.7	0.5
8/9/2005	9:30:39	29.91	52.726	34.61	-0.63	0	27.882	7.99	-79.4	84.7	0.3
8/9/2005	10:00:39	29.92	52.626	34.53	-0.63	0	27.906	7.99	-79.3	96.4	0.7
8/9/2005	10:30:39	29.91	52.622	34.53	-0.62	0	27.862	8.00	-80.0	131.9	0.4
8/9/2005	11:00:39	29.91	52.609	34.52	-0.63	0	27.869	8.00	-80.3	136.6	0.3
8/9/2005	11:30:39	29.93	52.739	34.61	-0.63	0	27.860	8.02	-80.9	170.4	0.3
8/9/2005	12:00:39	29.98	52.598	34.51	-0.61	0	27.853	8.01	-80.7	174.3	0.4
8/9/2005	12:30:39	30.01	52.754	34.62	-0.63	0	27.832	8.03	-81.9	203.2	0.2
8/9/2005	13:00:39	30.05	53.106	34.88	-0.62	0	27.835	7.99	-79.7	57.5	0.2
8/9/2005	13:30:39	30.08	52.767	34.63	-0.62	0	27.856	8.01	-80.7	198.8	0.4
8/9/2005	14:00:39	30.09	52.638	34.53	-0.63	0	27.846	8.01	-80.4	139.5	0.5
8/9/2005	14:30:39	30.12	52.766	34.63	-0.64	0	27.812	8.03	-81.5	196.2	0.7
8/9/2005	15:00:39	30.12	52.745	34.61	-0.64	0	27.830	8.02	-81.2	161.6	0.7
8/9/2005	15:30:39	30.14	52.739	34.61	-0.65	0	27.867	8.02	-81.4	155.5	0.7
8/9/2005	16:00:39	30.05	52.725	34.60	-0.64	0	27.836	8.02	-81.1	146.1	0.4
8/9/2005	16:30:39	30.08	52.737	34.61	-0.63	0	27.913	8.02	-80.9	129.1	0.7
8/9/2005	17:00:39	30.09	52.757	34.62	-0.62	0	27.851	8.00	-80.3	110.8	0.4
8/9/2005	17:30:39	29.90	52.693	34.58	-0.61	0	27.863	7.99	-79.7	80.3	0.5
8/9/2005	18:00:39	29.86	52.798	34.66	-0.61	0	27.860	7.99	-79.5	59.2	0.5
8/9/2005	18:30:39	29.67	53.198	34.96	-0.60	0	27.803	7.98	-78.7	30.3	1.2
8/9/2005	19:00:39	29.48	53.065	34.87	-0.59	0	27.868	7.98	-78.5	24.3	1.1
8/9/2005	19:30:39	29.55	53.279	35.03	-0.60	0	27.825	7.97	-78.4	12.0	0.5
8/9/2005	20:00:39	29.49	53.282	35.03	-0.59	0	27.834	7.97	-78.4	3.2	2.0
8/9/2005	20:30:39	29.50	53.278	35.03	-0.60	0	27.823	7.96	-77.8	2.2	0.1
8/9/2005	21:00:39	29.52	53.289	35.04	-0.60	0	27.816	7.96	-77.8	2.3	1.2
8/9/2005	21:30:39	29.57	53.285	35.03	-0.60	0	27.782	7.95	-77.0	2.3	9.0
8/9/2005	22:00:39	29.56	53.279	35.03	-0.59	0	27.771	7.95	-77.2	2.1	18.1
8/9/2005	22:30:39	29.56	53.288	35.03	-0.59	1	27.805	7.96	-77.5	2.1	13.2
8/9/2005	23:00:39	29.58	53.284	35.03	-0.58	0	27.802	7.95	-77.2	2.2	1.8
8/9/2005	23:30:39	29.60	53.272	35.02	-0.61	0	27.782	7.95	-76.8	2.1	1.7
8/10/2005	0:00:39	29.77	53.124	34.91	-0.60	0	27.804	7.95	-77.3	2.2	0.7
8/10/2005	0:30:39	29.70	53.124	34.91	-0.59	0	27.829	7.96	-77.7	2.1	0.4
8/10/2005	1:00:39	29.67	53.256	35.01	-0.59	0	27.801	7.97	-78.4	2.2	0.3
8/10/2005	1:30:39	29.68	53.248	35.00	-0.59	0	27.786	7.97	-78.2	2.2	3.9
8/10/2005	2:00:39	29.69	53.223	34.98	-0.59	0	27.820	7.96	-77.8	2.2	2.1
8/10/2005	2:30:39	29.69	53.225	34.98	-0.59	0	27.834	7.96	-77.8	2.3	3.2
8/10/2005	3:00:39	29.75	53.160	34.93	-0.58	0	27.834	7.95	-77.3	2.1	3.1
8/10/2005	3:30:39	29.73	53.158	34.93	-0.59	0	27.872	7.94	-76.8	2.1	0.4
8/10/2005	4:00:39	29.75	53.133	34.91	-0.57	0	27.889	7.94	-76.4	2.2	5.8
8/10/2005	4:30:39	29.79	53.069	34.86	-0.59	1	27.884	7.94	-76.6	2.1	1.0
8/10/2005	5:00:39	29.78	53.076	34.87	-0.60	0	27.892	7.93	-75.7	2.1	3.6
8/10/2005	5:30:39	29.81	53.055	34.85	-0.59	0	27.907	7.93	-75.7	2.2	12.0
8/10/2005	6:00:39	29.81	53.045	34.85	-0.60	0	27.894	7.93	-75.9	2.2	0.8
8/10/2005	6:30:39	29.87	52.985	34.80	-0.59	0	27.932	7.93	-76.0	2.3	0.5
8/10/2005	7:00:39	29.95	52.645	34.54	-0.60	0	27.956	7.99	-79.3	5.9	1.2
8/10/2005	7:30:39	29.90	52.627	34.53	-0.60	0	27.918	7.99	-79.3	14.7	0.6
8/10/2005	8:00:39	29.97	52.895	34.73	-0.61	0	27.918	7.99	-79.4	26.1	0.3
8/10/2005	8:30:39	30.11	53.107	34.88	-0.60	0	27.884	7.99	-79.7	41.2	0.3
8/10/2005	9:00:39	30.13	52.776	34.63	-0.58	0	27.888	7.99	-79.7	57.1	0.3
8/10/2005	9:30:39	30.15	52.877	34.71	-0.58	0	27.891	8.00	-79.8	72.2	6.4
8/10/2005	10:00:39	30.11	52.806	34.66	-0.57	0	27.847	7.99	-79.7	94.7	0.3
8/10/2005	10:30:39	30.02	53.149	34.91	-0.58	0	27.850	7.99	-79.5	128.6	0.4
8/10/2005	11:00:39	30.03	52.804	34.66	-0.61	0	27.850	8.00	-80.0	146.1	11.2
8/10/2005	11:30:39	30.06	52.789	34.65	-0.61	1	27.813	8.01	-80.5	152.6	2.4
8/10/2005	12:00:39	30.10	52.722	34.60	-0.60	0	27.829	8.01	-80.7	189.1	1.4
8/10/2005	12:30:39	30.09	52.854	34.69	-0.62	0	27.813	8.00	-80.3	153.4	0.1
8/10/2005	13:00:39	30.07	52.747	34.62	-0.60	0	27.813	8.01	-80.7	173.9	0.1
8/10/2005	13:30:39	30.05	52.700	34.58	-0.60	0	27.806	8.01	-80.6	201.9	22.7
8/10/2005	14:00:39	30.05	52.724	34.60	-0.60	0	27.807	8.02	-81.1	208.8	0.4
8/10/2005	14:30:39	30.08	52.739	34.61	-0.60	0	27.803	8.04	-82.1	203.0	22.3
8/10/2005	15:00:39	30.11	52.720	34.59	-0.61	0	27.806	8.04	-82.1	178.8	0.3
8/10/2005	15:30:39	30.11	52.755	34.62	-0.59	0	27.783	8.03	-82.0	163.1	2.5

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/10/2005	16:00:39	30.15	52.699	34.58	-0.59	0	27.825	8.05	-83.0	171.0	0.6
8/10/2005	16:30:39	30.15	52.719	34.59	-0.60	1	27.806	8.04	-82.2	125.2	5.9
8/10/2005	17:00:39	30.16	52.722	34.59	-0.60	0	27.825	8.02	-81.2	105.9	0.7
8/10/2005	17:30:39	29.97	52.991	34.80	-0.59	0	27.814	7.99	-79.4	82.2	0.4
8/10/2005	18:00:39	30.00	52.698	34.58	-0.60	0	27.844	7.99	-79.5	59.0	0.4
8/10/2005	18:30:39	30.02	52.695	34.58	-0.57	0	27.841	7.98	-79.0	38.4	12.5
8/10/2005	19:00:39	30.07	52.863	34.70	-0.55	0	27.851	7.98	-78.8	23.0	0.7
8/10/2005	19:30:39	30.12	52.995	34.80	-0.53	0	27.871	7.98	-78.7	11.1	0.7
8/10/2005	20:00:39	30.11	53.165	34.92	-0.52	0	27.873	7.97	-78.2	3.1	16.5
8/10/2005	20:30:39	30.05	53.127	34.90	-0.51	0	27.867	7.96	-77.6	2.1	0.4
8/10/2005	21:00:39	30.08	53.139	34.91	-0.51	0	27.873	7.96	-77.5	2.2	0.2
8/10/2005	21:30:39	30.07	53.123	34.89	-0.51	0	27.883	7.95	-76.8	2.3	0.2
8/10/2005	22:00:39	30.03	53.132	34.90	-0.49	0	27.876	7.93	-76.2	2.1	18.4
8/10/2005	22:30:39	30.03	53.113	34.89	-0.50	0	27.891	7.94	-76.7	2.1	0.4
8/10/2005	23:00:39	30.02	53.112	34.89	-0.50	0	27.874	7.92	-75.6	2.2	0.3
8/10/2005	23:30:39	30.00	53.135	34.91	-0.55	0	27.893	7.92	-75.7	2.2	0.6
8/11/2005	0:00:39	30.01	53.123	34.90	-0.49	1	27.869	7.92	-75.2	2.1	0.8
8/11/2005	0:30:39	30.02	53.102	34.88	-0.49	0	27.867	7.92	-75.3	2.2	1.7
8/11/2005	1:00:39	30.02	53.103	34.88	-0.49	0	27.887	7.91	-75.1	2.2	0.4
8/11/2005	1:30:39	30.01	53.077	34.86	-0.50	0	27.890	7.91	-75.1	2.2	0.2
8/11/2005	2:00:39	30.01	53.056	34.85	-0.50	0	27.904	7.93	-75.9	2.2	14.0
8/11/2005	2:30:39	29.95	53.114	34.89	-0.50	0	27.898	7.92	-75.5	2.2	0.3
8/11/2005	3:00:39	29.94	53.134	34.91	-0.52	0	27.919	7.93	-76.2	2.3	0.1
8/11/2005	3:30:39	30.08	53.100	34.88	-0.53	0	27.904	7.98	-78.9	2.3	0.5
8/11/2005	4:00:39	30.04	53.125	34.90	-0.52	0	27.927	7.98	-78.8	2.3	0.4
8/11/2005	4:30:39	30.01	53.133	34.90	-0.49	0	27.919	7.98	-78.7	2.3	0.5
8/11/2005	5:00:39	29.99	53.143	34.91	-0.49	0	27.938	7.98	-78.7	2.3	0.7
8/11/2005	5:30:39	29.98	53.154	34.92	-0.48	0	27.929	7.97	-78.4	2.3	1.0
8/11/2005	6:00:39	29.93	53.194	34.95	-0.50	0	27.944	7.98	-78.7	2.5	3.3
8/11/2005	6:30:39	29.87	53.205	34.96	-0.48	0	27.938	7.98	-78.6	2.2	0.9
8/11/2005	7:00:39	29.88	53.062	34.86	-0.51	0	27.912	7.98	-78.7	5.1	0.6
8/11/2005	7:30:39	29.92	52.714	34.60	-0.49	0	27.940	7.98	-78.9	9.2	0.3
8/11/2005	8:00:39	29.91	52.724	34.60	-0.49	0	27.901	7.98	-78.7	19.5	0.9
8/11/2005	8:30:39	29.95	53.230	34.98	-0.50	0	27.857	7.98	-78.9	35.1	0.7
8/11/2005	9:00:39	29.97	52.953	34.77	-0.54	0	27.867	7.98	-78.7	47.8	2.5
8/11/2005	9:30:39	29.96	52.830	34.68	-0.52	0	27.873	7.98	-78.9	46.2	0.9
8/11/2005	10:00:39	29.88	52.959	34.78	-0.59	0	27.828	7.99	-79.3	104.5	0.8
8/11/2005	10:30:39	29.86	52.742	34.62	-0.60	0	27.799	7.99	-79.6	114.4	2.1
8/11/2005	11:00:39	29.88	52.871	34.71	-0.48	0	27.800	8.00	-79.8	112.4	0.9
8/11/2005	11:30:39	29.92	52.787	34.65	-0.50	0	27.782	8.00	-80.1	169.9	0.3
8/11/2005	12:00:39	29.94	52.889	34.73	-0.50	0	27.763	8.01	-80.4	161.4	0.3
8/11/2005	12:30:39	30.01	52.898	34.73	-0.50	0	27.736	8.02	-81.1	198.0	0.2
8/11/2005	13:00:39	30.01	52.813	34.67	-0.49	0	27.738	8.01	-80.6	216.5	0.6
8/11/2005	13:30:39	29.97	52.882	34.72	-0.49	0	27.729	8.01	-80.4	231.3	0.6
8/11/2005	14:00:39	29.97	52.922	34.75	-0.50	0	27.699	8.01	-80.7	196.0	0.6
8/11/2005	14:30:39	29.99	53.197	34.95	-0.49	0	27.715	8.01	-80.8	196.9	0.3
8/11/2005	15:00:39	30.03	52.796	34.65	-0.49	0	27.718	8.03	-81.5	190.2	0.1
8/11/2005	15:30:39	30.02	52.831	34.68	-0.48	0	27.724	8.02	-81.0	168.9	1684.8
8/11/2005	16:00:39	30.02	52.771	34.64	-0.48	0	27.731	8.02	-81.5	159.2	105.7
8/11/2005	16:30:39	30.00	52.689	34.58	-0.48	0	27.755	8.01	-80.4	135.2	1273.0
8/11/2005	17:00:39	29.96	52.690	34.58	-0.47	0	27.748	7.99	-79.5	113.9	0.7
8/11/2005	17:30:39	29.94	52.746	34.62	-0.48	0	27.770	7.99	-79.7	87.5	12.7
8/11/2005	18:00:39	29.89	52.667	34.56	-0.49	0	27.785	7.98	-79.1	58.2	30.0
8/11/2005	18:30:39	29.88	52.889	34.73	-0.49	0	27.808	7.98	-78.9	40.2	0.6
8/11/2005	19:00:39	29.94	52.992	34.80	-0.51	0	27.808	7.98	-78.6	24.7	2.1
8/11/2005	19:30:39	30.03	53.056	34.85	-0.51	0	27.844	7.98	-78.6	9.2	1.7
8/11/2005	20:00:39	30.02	52.870	34.71	-0.49	0	27.868	7.96	-77.9	2.9	17.3
8/11/2005	20:30:39	30.09	53.215	34.96	-0.48	0	27.878	7.96	-77.5	2.1	1685.5
8/11/2005	21:00:39	30.15	53.213	34.96	-0.50	0	27.907	7.96	-77.7	2.2	0.6
8/11/2005	21:30:39	30.14	53.204	34.95	-0.50	0	27.905	7.95	-77.0	2.3	0.7
8/11/2005	22:00:39	30.12	53.213	34.96	-0.49	0	27.935	7.94	-76.4	2.1	0.7
8/11/2005	22:30:39	30.14	53.206	34.95	-0.49	0	27.931	7.94	-76.6	2.2	1.2
8/11/2005	23:00:39	30.16	53.194	34.94	-0.50	0	27.956	7.94	-76.4	2.1	0.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/11/2005	23:30:39	30.26	53.178	34.93	-0.50	0	27.975	7.98	-79.2	2.2	0.7
8/12/2005	0:00:39	30.04	53.293	35.02	-0.49	0	27.964	7.97	-78.6	2.2	1.6
8/12/2005	0:30:39	30.03	53.292	35.02	-0.49	0	27.946	7.97	-78.4	2.2	6.1
8/12/2005	1:00:39	30.06	53.275	35.01	-0.49	0	27.976	7.97	-78.6	2.3	0.2
8/12/2005	1:30:39	30.08	53.264	35.00	-0.48	0	27.963	7.98	-78.7	2.2	1.0
8/12/2005	2:00:39	30.09	53.258	34.99	-0.48	0	27.962	7.97	-78.5	2.2	2.1
8/12/2005	2:30:39	30.05	53.221	34.97	-0.49	0	27.967	7.97	-78.4	2.2	0.6
8/12/2005	3:00:39	29.97	53.209	34.96	-0.50	0	27.957	7.97	-78.4	2.2	0.4
8/12/2005	3:30:39	29.94	53.245	34.99	-0.47	0	27.988	7.97	-78.5	2.0	0.4
8/12/2005	4:00:39	29.91	53.260	35.00	-0.48	0	27.980	7.97	-78.6	2.2	0.7
8/12/2005	4:30:39	29.82	53.251	35.00	-0.48	0	27.987	7.98	-78.7	2.0	0.6
8/12/2005	5:00:39	29.79	53.236	34.99	-0.46	0	27.981	7.98	-78.6	2.1	0.6
8/12/2005	5:30:39	29.77	53.226	34.98	-0.47	0	27.968	7.97	-78.5	2.2	0.7
8/12/2005	6:00:39	29.77	53.206	34.97	-0.50	0	27.960	7.97	-78.2	2.1	0.6
8/12/2005	6:30:39	29.80	53.221	34.98	-0.46	0	27.959	7.97	-78.0	2.2	0.6
8/12/2005	7:00:39	29.82	53.247	34.99	-0.45	1	27.943	7.98	-78.7	5.3	0.7
8/12/2005	7:30:39	29.83	53.257	35.00	-0.48	0	27.931	7.98	-78.6	13.4	3.1
8/12/2005	8:00:39	29.90	53.243	34.99	-0.47	0	27.913	7.98	-78.7	23.4	0.4
8/12/2005	8:30:39	29.90	53.154	34.92	-0.47	0	27.900	7.98	-78.7	40.1	0.6
8/12/2005	9:00:39	29.91	53.175	34.94	-0.48	0	27.862	7.98	-78.6	63.4	10.9
8/12/2005	9:30:39	29.92	53.167	34.93	-0.48	0	27.846	7.98	-79.0	84.2	1683.4
8/12/2005	10:00:39	29.95	53.178	34.94	-0.45	0	27.836	7.99	-79.2	106.6	183.7
8/12/2005	10:30:39	29.99	53.181	34.94	-0.47	0	27.794	8.00	-79.8	133.4	0.4
8/12/2005	11:00:39	30.05	53.181	34.94	-0.47	0	27.768	7.99	-79.5	142.8	2.5
8/12/2005	11:30:39	30.12	53.181	34.94	-0.45	0	27.726	8.00	-79.9	174.4	4.2
8/12/2005	12:00:39	30.13	53.179	34.93	-0.49	0	27.719	8.00	-80.1	184.9	22.5
8/12/2005	12:30:39	30.24	53.170	34.92	-0.47	0	27.673	8.00	-80.2	206.5	4.4
8/12/2005	13:00:39	30.26	53.168	34.92	-0.48	0	27.656	7.99	-79.7	190.1	2.3
8/12/2005	13:30:39	30.23	53.185	34.93	-0.46	0	27.627	7.99	-79.8	214.0	2.1
8/12/2005	14:00:39	30.24	53.191	34.94	-0.47	0	27.625	8.00	-80.3	198.9	13.5
8/12/2005	14:30:39	30.23	53.208	34.95	-0.48	0	27.600	7.99	-79.5	193.7	1.4
8/12/2005	15:00:39	30.22	53.231	34.97	-0.50	0	27.582	8.00	-80.0	213.4	0.5
8/12/2005	15:30:39	30.15	53.242	34.98	-0.50	0	27.589	7.99	-79.7	174.1	2.5
8/12/2005	16:00:39	30.14	53.238	34.98	-0.49	0	27.612	8.00	-80.0	166.4	8.6
8/12/2005	16:30:39	30.18	53.223	34.96	-0.47	0	27.596	8.00	-80.1	136.0	4.7
8/12/2005	17:00:39	30.21	53.212	34.95	-0.48	0	27.619	8.00	-80.0	116.0	7.5
8/12/2005	17:30:39	30.22	53.203	34.95	-0.46	0	27.630	7.99	-79.2	85.4	5.4
8/12/2005	18:00:39	30.24	53.176	34.93	-0.46	0	27.676	7.98	-79.0	53.9	32.1
8/12/2005	18:30:39	30.18	53.165	34.92	-0.47	0	27.677	7.98	-78.8	32.1	19.3
8/12/2005	19:00:39	30.08	53.168	34.93	-0.47	0	27.726	7.98	-78.6	22.7	1685.5
8/12/2005	19:30:39	29.90	53.221	34.97	-0.47	0	27.758	7.97	-78.4	9.9	6.7
8/12/2005	20:00:39	29.80	53.205	34.96	-0.46	0	27.797	7.97	-78.4	3.1	1681.8
8/12/2005	20:30:39	29.76	53.228	34.98	-0.48	0	27.819	7.97	-78.4	2.5	164.1
8/12/2005	21:00:39	29.69	53.256	35.01	-0.47	0	27.847	7.97	-78.4	2.3	1.0
8/12/2005	21:30:39	29.66	53.275	35.02	-0.45	0	27.865	7.98	-78.6	2.3	819.9
8/12/2005	22:00:39	29.72	53.326	35.06	-0.45	0	27.895	7.98	-78.9	2.2	75.1
8/12/2005	22:30:39	29.75	53.367	35.09	-0.45	0	27.914	7.98	-78.9	2.3	148.1
8/12/2005	23:00:39	29.67	53.355	35.08	-0.46	0	27.943	7.98	-78.6	2.2	89.7
8/12/2005	23:30:39	29.65	53.351	35.08	-0.45	0	27.942	7.98	-78.6	2.1	1679.8
8/13/2005	0:00:39	29.62	53.389	35.11	-0.45	0	27.968	7.97	-78.5	2.2	6.0
8/13/2005	0:30:39	29.57	53.363	35.09	-0.49	0	27.977	7.97	-78.1	2.2	1678.7
8/13/2005	1:00:39	29.48	53.338	35.07	-0.44	0	27.970	7.97	-77.9	2.2	6.6
8/13/2005	1:30:39	29.40	53.316	35.06	-0.45	0	27.969	7.97	-78.4	2.2	118.7
8/13/2005	2:00:39	29.25	53.319	35.07	-0.44	0	27.981	7.97	-78.3	2.2	0.7
8/13/2005	2:30:39	29.25	53.309	35.06	-0.45	0	27.977	7.97	-78.4	2.1	0.5
8/13/2005	3:00:39	29.22	53.298	35.05	-0.44	0	27.969	7.98	-78.6	2.2	0.4
8/13/2005	3:30:39	29.23	53.277	35.04	-0.44	0	27.969	7.98	-78.6	2.2	1.0
8/13/2005	4:00:39	29.22	53.252	35.02	-0.45	0	27.960	7.98	-78.5	2.1	2.7
8/13/2005	4:30:39	29.18	53.192	34.98	-0.45	0	27.962	7.97	-78.4	2.0	4.6
8/13/2005	5:00:39	29.14	53.140	34.94	-0.45	0	27.957	7.97	-78.4	2.0	0.7
8/13/2005	5:30:39	29.21	53.089	34.90	-0.45	0	27.952	7.97	-78.1	1.9	3.7
8/13/2005	6:00:39	29.30	53.055	34.87	-0.45	0	27.944	7.97	-78.2	2.1	1.2
8/13/2005	6:30:39	29.38	53.021	34.84	-0.46	0	27.939	7.97	-78.4	2.1	3.7

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
8/13/2005	7:00:39	29.47	53.010	34.83	-0.45	0	27.932	7.97	-78.4	4.3	1.7
8/13/2005	7:30:39	29.62	52.961	34.79	-0.46	0	27.904	7.98	-78.6	9.1	0.6
8/13/2005	8:00:39	29.69	52.788	34.66	-0.46	0	27.886	7.98	-78.6	26.4	0.6
8/13/2005	8:30:39	29.71	52.722	34.61	-0.46	0	27.877	7.98	-78.6	34.6	1680.7
8/13/2005	9:00:39	29.75	52.737	34.62	-0.46	0	27.867	7.97	-78.5	42.3	1.7
8/13/2005	9:30:39	29.80	51.961	34.04	-0.47	0	27.859	7.98	-78.6	70.8	0.6
8/13/2005	10:00:39	29.55	52.651	34.56	-0.46	0	27.802	7.97	-78.0	84.4	2.6
8/13/2005	10:30:39	29.88	52.204	34.22	-0.48	0	27.785	7.98	-79.0	99.4	0.5
8/13/2005	11:00:39	29.91	52.510	34.45	-0.48	0	27.722	7.98	-79.0	120.6	7.8
8/13/2005	11:30:39	29.51	52.494	34.45	-0.47	0	27.693	7.97	-78.1	141.4	3.2
8/13/2005	12:00:39	29.45	52.578	34.51	-0.47	0	27.685	7.98	-78.9	181.3	1.0
8/13/2005	12:30:39	29.45	52.561	34.50	-0.47	0	27.647	7.99	-79.1	137.9	20.9
8/13/2005	13:00:39	29.22	52.899	34.76	-0.47	0	27.604	7.98	-78.9	106.9	4.3
8/13/2005	13:30:39	29.28	52.730	34.63	-0.47	0	27.580	8.00	-79.8	135.3	40.3
8/13/2005	14:00:39	29.33	52.684	34.59	-0.47	0	27.581	8.01	-80.6	180.2	23.8
8/13/2005	14:30:39	29.37	52.802	34.68	-0.47	0	27.542	8.02	-81.0	169.6	20.2
8/13/2005	15:00:39	29.41	52.671	34.58	-0.47	0	27.551	8.02	-81.1	180.5	3.4
8/13/2005	15:30:39	29.46	53.008	34.83	-0.47	0	27.528	8.01	-80.7	156.9	37.5
8/13/2005	16:00:39	29.48	52.466	34.43	-0.48	0	27.539	8.02	-81.1	126.1	3.8
8/13/2005	16:30:39	29.52	52.936	34.77	-0.48	0	27.527	8.02	-81.2	114.8	15.1
8/13/2005	17:00:39	29.62	53.029	34.84	-0.47	0	27.552	8.00	-80.0	85.3	0.7
8/13/2005	17:30:39	29.68	52.951	34.78	-0.47	0	27.574	7.98	-78.8	32.6	8.8
8/13/2005	18:00:39	29.66	52.689	34.59	-0.46	0	27.608	7.99	-79.5	51.0	9.0
8/13/2005	18:30:39	29.69	52.624	34.54	-0.46	0	27.640	7.98	-78.7	32.7	5.6
8/13/2005	19:00:39	29.69	53.039	34.84	-0.46	0	27.658	7.97	-78.2	15.0	3.8
8/13/2005	19:30:39	29.78	53.018	34.83	-0.47	0	27.715	7.96	-77.8	8.2	7.1
8/13/2005	20:00:39	29.74	53.011	34.82	-0.46	0	27.750	7.95	-77.3	2.5	4.3
8/13/2005	20:30:39	29.77	53.007	34.82	-0.46	0	27.799	7.94	-76.5	2.0	6.1
8/13/2005	21:00:39	29.79	53.012	34.82	-0.46	0	27.833	7.94	-76.7	1.9	1.0
8/13/2005	21:30:39	29.78	53.004	34.82	-0.46	1	27.880	7.94	-76.2	1.9	12.3
8/13/2005	22:00:39	29.81	52.995	34.81	-0.46	0	27.939	7.93	-75.9	1.9	0.7
8/13/2005	22:30:39	29.83	52.988	34.80	-0.46	0	27.981	7.91	-75.0	1.9	0.5
8/13/2005	23:00:39	29.84	52.982	34.80	-0.47	0	28.013	7.91	-75.0	1.9	2.0
8/13/2005	23:30:39	29.90	52.966	34.78	-0.48	0	28.028	7.92	-75.3	2.0	1.2
8/14/2005	0:00:39	29.91	52.965	34.78	-0.47	0	28.053	7.92	-75.4	1.9	0.8
8/14/2005	0:30:39	29.93	52.949	34.77	-0.46	0	28.069	7.90	-74.5	2.0	4.6
8/14/2005	1:00:39	29.93	52.920	34.75	-0.47	0	28.086	7.90	-74.0	1.9	0.6
8/14/2005	1:30:39	29.93	52.939	34.76	-0.50	0	28.094	7.90	-74.0	1.9	2.3
8/14/2005	2:00:39	29.94	52.919	34.75	-0.46	0	28.106	7.90	-74.0	1.8	2.1
8/14/2005	2:30:39	29.98	52.894	34.73	-0.47	0	28.126	7.90	-74.1	2.0	15.1
8/14/2005	3:00:39	30.22	52.798	34.65	-0.47	0	28.119	7.98	-78.6	2.0	5.1
8/14/2005	3:30:39	30.20	52.805	34.65	-0.47	0	28.135	7.99	-79.3	1.9	0.7
8/14/2005	4:00:39	30.09	52.951	34.77	-0.46	0	28.118	7.98	-79.1	1.9	26.3
8/14/2005	4:30:39	30.03	52.975	34.79	-0.46	0	28.110	7.98	-78.9	1.9	0.3
8/14/2005	5:00:39	29.95	53.052	34.85	-0.46	0	28.089	7.98	-78.6	1.9	454.8
8/14/2005	5:30:39	29.78	53.138	34.92	-0.45	0	28.072	7.97	-78.2	2.0	2.3
8/14/2005	6:00:39	29.53	53.127	34.92	-0.47	0	28.069	7.96	-77.9	1.9	1.2
8/14/2005	6:30:39	29.58	53.193	34.96	-0.46	0	28.058	7.98	-78.6	2.0	16.3
8/14/2005	7:00:39	29.88	53.318	35.05	-0.46	0	28.039	7.99	-79.5	4.8	43.8
8/14/2005	7:30:39	29.98	53.332	35.05	-0.47	0	28.028	7.99	-79.4	14.4	2.7
8/14/2005	8:00:39	30.06	53.313	35.04	-0.47	0	27.994	7.99	-79.3	12.6	0.5
8/14/2005	8:30:39	30.11	53.241	34.98	-0.47	0	27.976	7.99	-79.4	42.2	3.7
8/14/2005	9:00:39	30.15	53.284	35.01	-0.46	0	27.973	7.99	-79.5	37.6	0.8
8/14/2005	9:30:39	30.19	53.037	34.83	-0.47	0	27.929	7.99	-79.5	81.9	24.2
8/14/2005	10:00:39	30.19	52.801	34.65	-0.49	0	27.899	7.99	-79.5	80.8	0.2
8/14/2005	10:30:39	30.18	52.787	34.64	-0.47	1	27.863	7.99	-79.6	120.7	13.9
8/14/2005	11:00:39	30.20	53.263	34.99	-0.48	0	27.803	7.99	-79.3	52.1	2.2
8/14/2005	11:30:39	30.21	53.250	34.98	-0.48	0	27.791	7.99	-79.5	130.3	3.8
8/14/2005	12:00:39	30.20	53.253	34.99	-0.47	0	27.761	7.99	-79.4	170.0	7.5
8/14/2005	12:30:39	30.17	53.256	34.99	-0.48	0	27.688	7.99	-79.6	178.2	1.2
8/14/2005	13:00:39	30.22	53.259	34.99	-0.47	0	27.667	8.01	-80.7	172.4	4.2
8/14/2005	13:30:39	30.25	53.246	34.98	-0.48	0	27.600	8.01	-80.8	223.3	2.3
8/14/2005	14:00:39	30.28	53.228	34.96	-0.48	1	27.592	8.00	-80.4	201.9	5.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/14/2005	14:30:39	30.28	53.235	34.97	-0.48	0	27.540	8.01	-80.6	177.2	2.2
8/14/2005	15:00:39	30.31	53.230	34.96	-0.46	0	27.535	8.01	-80.7	174.8	2.8
8/14/2005	15:30:39	30.30	53.230	34.97	-0.55	0	27.521	8.00	-80.3	173.4	3.2
8/14/2005	16:00:39	30.33	53.222	34.96	-0.53	0	27.500	8.00	-80.0	43.2	1.8
8/14/2005	16:30:39	30.32	53.219	34.96	-0.47	0	27.475	7.98	-79.1	37.3	17.5
8/14/2005	17:00:39	30.34	53.217	34.95	-0.46	0	27.493	8.00	-80.4	126.7	4.8
8/14/2005	17:30:39	30.32	53.154	34.91	-0.46	0	27.506	7.98	-79.1	79.2	0.6
8/14/2005	18:00:39	30.28	53.129	34.89	-0.46	0	27.527	7.97	-78.5	27.0	0.1
8/14/2005	18:30:39	30.29	53.129	34.89	-0.47	0	27.551	7.97	-78.3	27.0	9.4
8/14/2005	19:00:39	30.29	53.131	34.89	-0.45	0	27.586	7.96	-77.9	19.1	0.2
8/14/2005	19:30:39	30.28	53.070	34.85	-0.48	0	27.625	7.96	-77.9	6.0	7.0
8/14/2005	20:00:39	30.28	53.070	34.85	-0.48	0	27.679	7.96	-77.5	2.3	33.5
8/14/2005	20:30:39	30.29	53.075	34.85	-0.45	0	27.750	7.95	-77.3	2.0	2.8
8/14/2005	21:00:39	30.29	52.931	34.74	-0.46	0	27.807	7.95	-77.2	2.0	1688.1
8/14/2005	21:30:39	30.30	52.912	34.73	-0.46	0	27.857	7.97	-78.1	1.9	168.2
8/14/2005	22:00:39	30.30	52.901	34.72	-0.45	0	27.927	7.96	-78.0	1.9	75.8
8/14/2005	22:30:39	30.27	52.907	34.73	-0.45	0	27.952	7.96	-77.6	1.8	8.6
8/14/2005	23:00:39	30.26	52.915	34.73	-0.45	0	27.984	7.96	-77.6	1.9	7.4
8/14/2005	23:30:39	30.26	52.862	34.69	-0.45	0	28.045	7.95	-77.3	1.9	0.4
8/15/2005	0:00:39	30.25	52.801	34.65	-0.45	0	28.086	7.95	-77.5	1.8	18.8
8/15/2005	0:30:39	30.27	52.733	34.60	-0.45	0	28.096	7.96	-77.7	1.7	12.6
8/15/2005	1:00:39	30.27	52.749	34.61	-0.47	1	28.133	7.94	-76.7	1.8	0.1
8/15/2005	1:30:39	30.33	52.693	34.57	-0.45	0	28.158	7.96	-77.9	1.7	222.3
8/15/2005	2:00:39	30.36	52.800	34.65	-0.46	0	28.178	7.98	-78.7	1.9	50.4
8/15/2005	2:30:39	30.38	52.755	34.61	-0.48	0	28.184	7.97	-78.6	1.7	10.3
8/15/2005	3:00:39	30.39	52.735	34.60	-0.47	0	28.175	7.97	-78.5	1.8	0.8
8/15/2005	3:30:39	30.38	52.845	34.68	-0.48	0	28.199	7.98	-78.8	1.8	0.5
8/15/2005	4:00:39	30.42	52.884	34.70	-0.47	0	28.185	7.98	-78.9	1.8	116.0
8/15/2005	4:30:39	30.47	52.928	34.74	-0.46	0	28.199	7.98	-79.0	1.8	42.8
8/15/2005	5:00:39	30.49	52.932	34.74	-0.47	0	28.194	7.98	-79.1	1.8	8.7
8/15/2005	5:30:39	30.52	52.874	34.69	-0.46	0	28.159	7.98	-78.9	1.8	1.3
8/15/2005	6:00:39	30.55	52.833	34.66	-0.47	0	28.168	7.98	-79.0	1.8	14.2
8/15/2005	6:30:39	30.58	52.817	34.65	-0.46	0	28.148	7.98	-78.9	1.9	11.7
8/15/2005	7:00:39	30.63	52.713	34.57	-0.51	0	28.150	7.98	-79.2	4.6	41.9
8/15/2005	7:30:39	30.66	52.740	34.59	-0.46	0	28.106	7.98	-79.0	9.2	0.1
8/15/2005	8:00:39	30.66	52.527	34.43	-0.49	0	28.089	7.98	-78.9	18.7	15.5
8/15/2005	8:30:39	30.66	52.373	34.32	-0.47	0	28.060	7.98	-79.0	41.3	10.0
8/15/2005	9:00:39	30.61	52.394	34.34	-0.47	0	28.063	7.98	-78.9	52.2	0.2
8/15/2005	9:30:39	30.53	52.233	34.22	-0.47	0	28.014	7.98	-78.9	52.7	1.7
8/15/2005	10:00:39	30.48	52.127	34.14	-0.50	0	27.989	7.98	-79.0	117.1	45.8
8/15/2005	10:30:39	30.48	52.133	34.15	-0.48	0	27.958	7.98	-79.2	142.6	4.9
8/15/2005	11:00:39	30.48	52.053	34.09	-0.48	0	27.921	7.98	-79.2	159.3	8.3
8/15/2005	11:30:39	30.49	52.023	34.07	-0.48	0	27.877	7.99	-79.3	179.2	17.1
8/15/2005	12:00:39	30.51	51.778	33.89	-0.49	0	27.840	7.99	-79.8	208.4	10.9
8/15/2005	12:30:39	30.50	52.342	34.30	-0.46	0	27.761	7.98	-79.2	122.8	3.8
8/15/2005	13:00:39	30.41	52.671	34.55	-0.46	0	27.717	7.98	-79.0	142.3	8.4
8/15/2005	13:30:39	30.29	52.595	34.50	-0.46	0	27.658	7.98	-79.0	177.8	5.9
8/15/2005	14:00:39	30.28	52.750	34.61	-0.46	0	27.621	7.99	-79.2	206.2	5.7
8/15/2005	14:30:39	30.21	52.483	34.42	-0.46	0	27.578	7.99	-79.3	193.7	8.9
8/15/2005	15:00:39	30.24	52.619	34.52	-0.46	0	27.540	7.99	-79.5	155.0	3.2
8/15/2005	15:30:39	30.44	52.254	34.24	-0.48	0	27.486	8.00	-80.1	160.9	1690.0
8/15/2005	16:00:39	30.47	52.258	34.24	-0.47	0	27.479	8.00	-80.2	171.3	41.6
8/15/2005	16:30:39	30.47	52.397	34.34	-0.47	0	27.427	8.00	-79.8	147.3	1690.4
8/15/2005	17:00:39	30.46	51.829	33.92	-0.47	0	27.416	7.99	-79.8	54.6	56.1
8/15/2005	17:30:39	30.45	52.591	34.49	-0.46	0	27.412	7.99	-79.8	48.6	1690.3
8/15/2005	18:00:39	30.46	52.284	34.26	-0.46	0	27.441	7.99	-79.8	55.2	108.2
8/15/2005	18:30:39	30.48	52.520	34.43	-0.46	0	27.438	7.99	-79.7	31.7	1434.4
8/15/2005	19:00:39	30.46	52.091	34.12	-0.47	0	27.462	7.99	-79.7	15.7	4.8
8/15/2005	19:30:39	30.46	52.554	34.46	-0.46	0	27.484	7.99	-79.7	7.0	87.8
8/15/2005	20:00:39	30.47	52.529	34.44	-0.46	0	27.525	7.99	-79.5	2.3	1690.4
8/15/2005	20:30:39	30.47	52.518	34.43	-0.46	0	27.583	7.99	-79.5	1.8	113.3
8/15/2005	21:00:39	30.48	52.494	34.41	-0.47	0	27.626	7.99	-79.3	1.9	1690.7
8/15/2005	21:30:39	30.49	52.468	34.39	-0.46	0	27.674	7.99	-79.5	1.8	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/15/2005	22:00:39	30.47	52.531	34.44	-0.46	0	27.756	7.99	-79.6	1.9	193.3
8/15/2005	22:30:39	30.50	52.660	34.54	-0.46	0	27.819	7.99	-79.7	1.8	9.5
8/15/2005	23:00:39	30.50	52.799	34.64	-0.46	0	27.869	7.99	-79.5	1.9	208.0
8/15/2005	23:30:39	30.41	52.899	34.72	-0.49	0	27.932	7.99	-79.3	1.9	67.8
8/16/2005	0:00:39	30.31	52.985	34.78	-0.47	0	27.964	7.99	-79.5	1.8	0.5
8/16/2005	0:30:39	30.28	52.989	34.79	-0.46	0	28.003	7.99	-79.3	1.9	1688.1
8/16/2005	1:00:39	30.26	53.028	34.82	-0.46	0	28.085	7.99	-79.2	1.6	0.3
8/16/2005	1:30:39	30.22	53.032	34.82	-0.45	0	28.108	7.99	-79.2	1.7	2.0
8/16/2005	2:00:39	30.15	53.063	34.85	-0.46	0	28.118	7.99	-79.3	1.7	1686.4
8/16/2005	2:30:39	30.09	53.118	34.89	-0.46	0	28.153	7.99	-79.3	1.7	0.6
8/16/2005	3:00:39	30.06	53.134	34.90	-0.46	0	28.191	7.99	-79.3	1.7	1685.1
8/16/2005	3:30:39	30.05	53.140	34.91	-0.47	0	28.202	7.99	-79.3	1.6	0.4
8/16/2005	4:00:39	30.04	53.143	34.91	-0.47	0	28.176	7.99	-79.3	1.7	17.0
8/16/2005	4:30:39	30.04	53.153	34.92	-0.47	0	28.194	7.99	-79.3	1.6	1.8
8/16/2005	5:00:39	30.03	53.158	34.92	-0.48	0	28.219	7.99	-79.3	1.5	1.5
8/16/2005	5:30:39	30.02	53.161	34.92	-0.47	0	28.211	7.98	-78.7	1.7	1.0
8/16/2005	6:00:39	30.01	53.182	34.94	-0.47	0	28.187	7.98	-78.8	1.6	18.8
8/16/2005	6:30:39	29.97	53.198	34.95	-0.47	0	28.213	7.98	-78.8	1.7	33.6
8/16/2005	7:00:39	29.94	52.807	34.67	-0.47	0	28.179	7.98	-79.0	4.8	18.9
8/16/2005	7:30:39	29.91	52.464	34.41	-0.45	0	28.179	7.98	-79.0	14.8	1683.2
8/16/2005	8:00:39	29.90	52.489	34.43	-0.44	0	28.144	7.98	-79.0	29.7	0.3
8/16/2005	8:30:39	29.92	52.453	34.40	-0.46	0	28.152	7.98	-79.0	46.3	159.2
8/16/2005	9:00:39	29.94	52.461	34.41	-0.44	0	28.131	7.98	-79.0	63.5	0.3
8/16/2005	9:30:39	29.92	52.435	34.39	-0.46	0	28.101	7.98	-79.0	85.1	280.1
8/16/2005	10:00:39	29.90	52.485	34.43	-0.45	0	28.092	7.99	-79.2	126.9	0.4
8/16/2005	10:30:39	29.88	52.581	34.50	-0.44	0	28.061	7.99	-79.2	139.2	493.2
8/16/2005	11:00:39	29.86	52.556	34.48	-0.47	0	28.002	7.99	-79.3	163.1	0.3
8/16/2005	11:30:39	29.91	52.549	34.47	-0.48	0	27.998	7.99	-79.4	170.9	1.7
8/16/2005	12:00:39	29.96	52.670	34.56	-0.45	0	27.956	7.99	-79.3	198.7	843.3
8/16/2005	12:30:39	29.98	52.925	34.75	-0.45	0	27.896	7.99	-79.4	211.4	136.2
8/16/2005	13:00:39	30.01	52.505	34.44	-0.44	0	27.855	7.99	-79.5	214.8	19.1
8/16/2005	13:30:39	30.09	52.573	34.49	-0.44	0	27.798	7.99	-79.7	251.0	1685.6
8/16/2005	14:00:39	30.10	52.625	34.52	-0.45	0	27.743	7.99	-79.6	225.1	420.7
8/16/2005	14:30:39	30.13	52.545	34.46	-0.50	0	27.692	7.99	-79.4	223.4	26.1
8/16/2005	15:00:39	30.15	52.547	34.46	-0.45	0	27.645	7.99	-79.5	224.0	73.7
8/16/2005	15:30:39	30.13	52.418	34.37	-0.50	0	27.611	7.98	-78.8	65.4	70.8
8/16/2005	16:00:39	30.13	52.723	34.60	-0.49	0	27.553	7.99	-79.4	199.6	1686.0
8/16/2005	16:30:39	30.10	52.589	34.50	-0.49	0	27.491	7.99	-79.4	167.8	0.2
8/16/2005	17:00:39	30.10	52.589	34.50	-0.49	0	27.472	7.99	-79.3	138.2	1685.7
8/16/2005	17:30:39	30.14	52.719	34.59	-0.49	0	27.444	7.99	-79.3	104.1	1686.1
8/16/2005	18:00:39	30.20	52.939	34.75	-0.49	0	27.422	7.99	-79.2	58.3	1687.0
8/16/2005	18:30:39	30.27	52.462	34.40	-0.49	0	27.433	7.98	-79.2	49.0	17.6
8/16/2005	19:00:39	30.39	52.551	34.46	-0.48	0	27.444	7.98	-79.1	28.5	1689.4
8/16/2005	19:30:39	30.41	52.827	34.66	-0.47	0	27.439	7.98	-78.9	9.0	0.3
8/16/2005	20:00:39	30.44	52.776	34.62	-0.46	0	27.479	7.98	-78.9	2.2	26.7
8/16/2005	20:30:39	30.49	52.728	34.59	-0.49	0	27.501	7.98	-78.9	1.7	0.9
8/16/2005	21:00:39	30.51	52.696	34.56	-0.49	0	27.551	7.98	-78.9	1.7	1691.0
8/16/2005	21:30:39	30.56	52.617	34.50	-0.49	0	27.603	7.98	-78.7	1.6	229.9
8/16/2005	22:00:39	30.61	52.511	34.42	-0.48	0	27.663	7.98	-78.9	1.7	1692.2
8/16/2005	22:30:39	30.62	52.503	34.42	-0.48	0	27.722	7.97	-78.6	1.7	123.9
8/16/2005	23:00:39	30.62	52.504	34.42	-0.49	0	27.766	7.98	-78.7	1.6	103.3
8/16/2005	23:30:39	30.61	52.530	34.44	-0.49	0	27.837	7.98	-78.7	1.7	12.6
8/17/2005	0:00:39	30.60	52.574	34.47	-0.47	0	27.892	7.98	-78.9	1.7	8.5
8/17/2005	0:30:39	30.60	52.571	34.47	-0.50	0	27.962	7.97	-78.6	1.7	65.1
8/17/2005	1:00:39	30.60	52.561	34.46	-0.45	0	27.999	7.97	-78.6	1.6	1692.1
8/17/2005	1:30:39	30.60	52.534	34.44	-0.45	0	28.055	7.97	-78.1	1.7	273.1
8/17/2005	2:00:39	30.60	52.519	34.43	-0.45	0	28.079	7.96	-77.7	1.7	285.3
8/17/2005	2:30:39	30.58	52.536	34.44	-0.48	0	28.120	7.94	-76.7	1.7	320.1
8/17/2005	3:00:39	30.50	52.587	34.48	-0.45	0	28.139	7.93	-76.0	1.8	271.7
8/17/2005	3:30:39	30.35	52.725	34.59	-0.46	0	28.165	7.93	-75.9	1.7	396.6
8/17/2005	4:00:39	30.38	52.695	34.57	-0.46	0	28.181	7.92	-75.4	1.7	275.0
8/17/2005	4:30:39	30.34	52.730	34.59	-0.45	0	28.193	7.91	-75.1	1.8	248.5
8/17/2005	5:00:39	30.17	52.879	34.71	-0.45	0	28.190	7.93	-75.8	1.7	97.9

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/17/2005	5:30:39	30.14	52.946	34.76	-0.45	0	28.182	7.93	-75.9	1.9	1138.0
8/17/2005	6:00:39	30.13	52.958	34.77	-0.45	1	28.176	7.94	-76.4	1.8	534.2
8/17/2005	6:30:39	30.15	52.827	34.67	-0.45	0	28.191	7.93	-76.2	1.8	312.0
8/17/2005	7:00:39	30.37	52.053	34.09	-0.50	0	28.197	7.98	-78.7	5.8	1.9
8/17/2005	7:30:39	30.26	52.298	34.28	-0.46	0	28.169	7.98	-78.7	16.9	1687.7
8/17/2005	8:00:39	30.23	52.327	34.30	-0.51	0	28.148	7.98	-79.0	33.5	0.2
8/17/2005	8:30:39	30.20	52.398	34.35	-0.49	0	28.148	7.98	-79.0	52.2	1687.0
8/17/2005	9:00:39	30.18	52.459	34.40	-0.47	0	28.121	7.98	-79.1	72.9	873.2
8/17/2005	9:30:39	30.18	52.628	34.52	-0.48	0	28.114	7.98	-79.1	98.3	0.3
8/17/2005	10:00:39	30.18	52.457	34.40	-0.48	0	28.096	7.98	-79.0	132.2	1686.7
8/17/2005	10:30:39	30.18	52.762	34.62	-0.47	0	28.057	7.99	-79.2	144.7	0.1
8/17/2005	11:00:39	30.21	52.635	34.53	-0.48	0	28.042	7.98	-79.1	51.9	1687.1
8/17/2005	11:30:39	30.24	53.029	34.82	-0.47	0	27.997	7.98	-79.2	190.4	1687.5
8/17/2005	12:00:39	30.24	52.545	34.46	-0.48	0	27.968	7.98	-79.1	205.7	1687.5
8/17/2005	12:30:39	30.22	52.369	34.33	-0.48	0	27.938	7.98	-79.1	222.3	225.4
8/17/2005	13:00:39	30.22	52.942	34.75	-0.47	0	27.891	7.99	-79.7	274.3	1687.3
8/17/2005	13:30:39	30.21	52.969	34.78	-0.46	0	27.834	7.99	-79.5	256.7	0.3
8/17/2005	14:00:39	30.20	52.992	34.79	-0.47	0	27.786	7.98	-79.1	258.7	1687.0
8/17/2005	14:30:39	30.21	53.038	34.83	-0.49	0	27.707	7.99	-79.2	282.8	0.7
8/17/2005	15:00:39	30.24	53.046	34.83	-0.48	0	27.650	7.98	-79.0	227.9	1687.4
8/17/2005	15:30:39	30.26	53.104	34.87	-0.49	0	27.612	7.99	-79.4	206.6	0.3
8/17/2005	16:00:39	30.28	53.846	35.42	-0.48	0	27.545	7.99	-79.8	215.1	1688.0
8/17/2005	16:30:39	30.28	53.813	35.40	-0.49	0	27.500	7.97	-78.5	43.5	37.9
8/17/2005	17:00:39	30.38	53.066	34.84	-0.50	0	27.483	7.98	-78.9	132.7	36.6
8/17/2005	17:30:39	30.46	52.985	34.78	-0.47	0	27.429	7.97	-78.7	108.6	41.6
8/17/2005	18:00:39	30.46	53.862	35.43	-0.47	0	27.362	7.97	-78.6	72.5	45.0
8/17/2005	18:30:39	30.51	53.110	34.87	-0.50	0	27.371	7.97	-78.4	52.8	51.5
8/17/2005	19:00:39	30.55	53.860	35.42	-0.48	0	27.344	7.97	-78.2	26.9	47.3
8/17/2005	19:30:39	30.58	53.838	35.41	-0.53	0	27.355	7.96	-77.9	9.7	76.2
8/17/2005	20:00:39	30.59	53.815	35.39	-0.50	0	27.351	7.96	-77.9	2.2	606.6
8/17/2005	20:30:39	30.60	53.758	35.35	-0.46	0	27.344	7.95	-77.3	1.7	243.8
8/17/2005	21:00:39	30.15	53.850	35.43	-0.48	0	27.400	7.94	-76.5	1.8	244.9
8/17/2005	21:30:39	30.01	53.875	35.45	-0.49	1	27.419	7.96	-77.8	1.8	220.9
8/17/2005	22:00:39	30.02	53.876	35.45	-0.48	0	27.482	7.96	-77.9	1.8	19.4
8/17/2005	22:30:39	30.03	53.876	35.45	-0.47	0	27.545	7.96	-77.5	1.8	1684.8
8/17/2005	23:00:39	30.47	53.846	35.42	-0.46	0	27.614	7.97	-78.2	1.8	0.1
8/17/2005	23:30:39	30.48	53.868	35.43	-0.46	0	27.687	7.98	-78.7	1.7	1690.6
8/18/2005	0:00:39	30.51	53.793	35.38	-0.49	0	27.733	7.97	-78.4	1.8	0.0
8/18/2005	0:30:39	30.51	53.772	35.36	-0.49	1	27.831	7.97	-78.4	1.9	1690.9
8/18/2005	1:00:39	30.47	53.812	35.39	-0.50	0	27.880	7.97	-78.6	1.7	0.1
8/18/2005	1:30:39	30.38	53.862	35.43	-0.49	0	27.937	7.97	-78.5	1.8	2.0
8/18/2005	2:00:39	30.35	53.856	35.43	-0.46	0	28.003	7.97	-78.6	1.8	9.6
8/18/2005	2:30:39	30.35	53.823	35.40	-0.49	0	28.049	7.97	-78.7	1.7	20.6
8/18/2005	3:00:39	30.35	53.909	35.47	-0.46	0	28.072	7.97	-78.6	1.7	7.2
8/18/2005	3:30:39	30.34	53.914	35.47	-0.45	0	28.122	7.98	-78.9	1.7	11.6
8/18/2005	4:00:39	30.28	53.914	35.47	-0.46	0	28.149	7.97	-78.6	1.9	1.0
8/18/2005	4:30:39	30.28	53.910	35.47	-0.46	0	28.172	7.97	-78.6	1.9	86.3
8/18/2005	5:00:39	30.29	53.878	35.45	-0.45	0	28.190	7.97	-78.6	1.9	31.3
8/18/2005	5:30:39	30.27	53.900	35.46	-0.45	0	28.208	7.97	-78.6	1.8	87.7
8/18/2005	6:00:39	30.31	53.879	35.45	-0.45	0	28.205	7.97	-78.6	1.9	107.6
8/18/2005	6:30:39	30.33	53.648	35.27	-0.46	0	28.213	7.97	-78.6	1.8	68.1
8/18/2005	7:00:39	30.30	53.213	34.95	-0.46	0	28.220	7.97	-78.2	5.5	59.8
8/18/2005	7:30:39	30.21	53.175	34.93	-0.45	0	28.207	7.97	-78.2	18.6	83.9
8/18/2005	8:00:39	30.16	53.271	35.00	-0.45	0	28.204	7.97	-78.1	34.7	50.4
8/18/2005	8:30:39	30.13	53.463	35.14	-0.45	0	28.204	7.97	-78.1	52.4	99.4
8/18/2005	9:00:39	30.11	53.539	35.20	-0.45	0	28.188	7.97	-78.2	75.8	0.1
8/18/2005	9:30:39	30.02	53.667	35.30	-0.44	0	28.188	7.97	-78.3	65.8	37.1
8/18/2005	10:00:39	29.93	53.723	35.34	-0.44	0	28.154	7.98	-78.6	129.4	105.4
8/18/2005	10:30:39	29.88	53.743	35.36	-0.44	0	28.135	7.97	-78.6	151.1	18.6
8/18/2005	11:00:39	29.79	53.711	35.34	-0.44	0	28.117	7.97	-78.5	179.2	44.0
8/18/2005	11:30:39	29.64	53.617	35.28	-0.44	0	28.090	7.97	-78.3	204.2	3.9
8/18/2005	12:00:39	29.58	53.652	35.30	-0.43	0	28.083	7.98	-78.6	233.7	1.2
8/18/2005	12:30:39	29.53	53.745	35.37	-0.43	0	28.048	7.98	-78.7	236.2	59.3

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/18/2005	13:00:39	29.56	53.576	35.25	-0.47	0	28.015	7.98	-78.7	223.3	12.2
8/18/2005	13:30:39	29.65	53.632	35.29	-0.44	0	27.964	7.99	-79.3	250.9	31.0
8/18/2005	14:00:39	29.85	53.607	35.26	-0.44	0	27.917	7.98	-79.0	246.9	57.4
8/18/2005	14:30:39	29.89	53.663	35.30	-0.44	0	27.868	7.98	-79.1	246.2	4.4
8/18/2005	15:00:39	29.90	53.675	35.31	-0.44	0	27.802	7.98	-78.9	247.0	20.5
8/18/2005	15:30:39	29.87	52.975	34.79	-0.44	0	27.768	7.98	-78.9	243.0	9.2
8/18/2005	16:00:39	29.91	53.169	34.93	-0.44	1	27.697	7.98	-78.8	201.2	15.4
8/18/2005	16:30:39	29.87	53.454	35.15	-0.44	0	27.630	7.98	-78.7	121.2	97.4
8/18/2005	17:00:39	29.85	53.157	34.93	-0.44	0	27.587	7.98	-78.6	126.1	16.7
8/18/2005	17:30:39	29.63	52.875	34.73	-0.44	0	27.527	7.97	-78.1	86.6	134.8
8/18/2005	18:00:39	29.55	53.035	34.85	-0.44	0	27.483	7.97	-78.1	57.6	36.0
8/18/2005	18:30:39	29.52	53.510	35.20	-0.43	0	27.426	7.97	-78.1	42.4	6.8
8/18/2005	19:00:39	29.49	53.025	34.84	-0.43	1	27.405	7.97	-78.1	26.7	19.7
8/18/2005	19:30:39	29.54	53.016	34.83	-0.43	0	27.389	7.97	-78.4	8.6	123.3
8/18/2005	20:00:39	29.55	53.353	35.08	-0.43	0	27.358	7.97	-78.4	2.1	186.8
8/18/2005	20:30:39	29.71	54.013	35.57	-0.43	0	27.351	7.98	-78.9	1.9	0.9
8/18/2005	21:00:39	29.88	54.010	35.56	-0.44	0	27.362	7.98	-78.9	2.0	81.6
8/18/2005	21:30:39	29.88	54.002	35.55	-0.44	0	27.373	7.98	-78.6	1.9	19.1
8/18/2005	22:00:39	29.85	54.002	35.55	-0.44	0	27.397	7.97	-78.5	1.9	70.3
8/18/2005	22:30:39	29.65	53.891	35.48	-0.44	0	27.436	7.97	-78.0	1.9	2.0
8/18/2005	23:00:39	29.65	53.863	35.46	-0.44	0	27.492	7.96	-77.9	1.9	61.7
8/18/2005	23:30:39	29.67	53.835	35.44	-0.44	0	27.547	7.96	-77.9	2.0	0.1
8/19/2005	0:00:39	29.76	53.258	35.00	-0.44	0	27.619	7.97	-78.2	1.9	90.3
8/19/2005	0:30:39	29.85	53.853	35.44	-0.44	0	27.673	7.97	-78.2	1.9	6.7
8/19/2005	1:00:39	29.91	53.864	35.45	-0.44	0	27.733	7.97	-78.2	1.9	7.5
8/19/2005	1:30:39	30.08	53.827	35.42	-0.44	0	27.793	7.97	-78.6	1.8	4.8
8/19/2005	2:00:39	30.22	53.747	35.35	-0.45	0	27.868	7.97	-78.5	1.8	81.3
8/19/2005	2:30:39	30.31	53.667	35.29	-0.45	0	27.918	7.97	-78.4	1.9	12.6
8/19/2005	3:00:39	30.35	53.735	35.34	-0.45	1	27.962	7.97	-78.2	1.9	27.0
8/19/2005	3:30:39	30.37	54.126	35.63	-0.45	0	28.004	7.96	-78.0	1.8	1.2
8/19/2005	4:00:39	30.38	54.121	35.62	-0.45	0	28.035	7.96	-77.6	1.8	0.3
8/19/2005	4:30:39	30.40	54.176	35.66	-0.45	0	28.052	7.94	-76.8	1.6	0.3
8/19/2005	5:00:39	30.29	54.224	35.70	-0.45	0	28.090	7.95	-77.1	1.7	1.4
8/19/2005	5:30:39	30.30	54.210	35.69	-0.46	0	28.125	7.94	-76.8	1.7	38.6
8/19/2005	6:00:39	30.29	54.216	35.70	-0.45	0	28.120	7.94	-76.5	1.8	35.1
8/19/2005	6:30:39	30.30	54.186	35.67	-0.45	0	28.138	7.94	-76.8	1.6	21.1
8/19/2005	7:00:39	30.46	53.545	35.19	-0.46	0	28.168	7.95	-77.3	5.1	2.3
8/19/2005	7:30:39	30.47	53.831	35.40	-0.46	0	28.146	7.97	-78.2	15.1	0.6
8/19/2005	8:00:39	30.37	53.662	35.28	-0.46	0	28.153	7.96	-78.1	22.9	0.4
8/19/2005	8:30:39	30.24	53.284	35.01	-0.45	0	28.158	7.96	-77.9	53.2	0.3
8/19/2005	9:00:39	30.23	53.561	35.21	-0.46	0	28.156	7.97	-78.2	63.8	0.6
8/19/2005	9:30:39	30.22	53.363	35.07	-0.46	0	28.143	7.97	-78.2	99.6	0.1
8/19/2005	10:00:39	30.29	53.449	35.13	-0.46	0	28.150	7.97	-78.5	138.6	0.5
8/19/2005	10:30:39	30.44	53.371	35.06	-0.46	0	28.140	7.98	-78.9	58.2	0.9
8/19/2005	11:00:39	30.45	53.296	35.01	-0.46	0	28.159	7.98	-78.9	105.9	0.6
8/19/2005	11:30:39	30.46	53.301	35.01	-0.50	0	28.131	7.98	-78.7	200.5	0.1
8/19/2005	12:00:39	30.44	53.228	34.96	-0.47	0	28.132	7.98	-78.7	209.5	9.1
8/19/2005	12:30:39	30.44	53.353	35.05	-0.48	0	28.125	7.99	-79.7	207.7	0.2
8/19/2005	13:00:39	30.39	53.356	35.06	-0.49	0	28.088	7.98	-79.0	219.3	0.6
8/19/2005	13:30:39	30.37	53.427	35.11	-0.45	0	28.070	7.99	-79.4	242.9	0.2
8/19/2005	14:00:39	30.30	53.562	35.21	-0.46	0	28.040	7.98	-78.8	235.8	0.3
8/19/2005	14:30:39	30.26	54.319	35.77	-0.46	0	28.000	7.98	-78.9	234.3	1.3
8/19/2005	15:00:39	30.20	53.649	35.28	-0.45	0	27.974	7.99	-79.3	199.3	0.6
8/19/2005	15:30:39	30.19	53.681	35.30	-0.51	0	27.923	7.98	-79.0	199.1	0.3
8/19/2005	16:00:39	30.18	53.643	35.28	-0.47	0	27.885	8.00	-80.0	188.8	0.3
8/19/2005	16:30:39	30.07	53.719	35.34	-0.45	0	27.828	7.98	-79.0	183.6	0.3
8/19/2005	17:00:39	29.82	53.696	35.33	-0.45	0	27.769	7.97	-78.5	121.9	1.1
8/19/2005	17:30:39	29.57	53.744	35.37	-0.43	0	27.717	7.97	-78.3	40.9	0.6
8/19/2005	18:00:39	29.51	53.786	35.41	-0.44	0	27.657	7.98	-78.8	66.5	0.5
8/19/2005	18:30:39	29.48	53.794	35.41	-0.45	0	27.613	7.98	-78.8	39.4	1.0
8/19/2005	19:00:39	29.48	54.524	35.95	-0.44	0	27.560	7.98	-78.8	21.6	4.6
8/19/2005	19:30:39	29.50	54.531	35.96	-0.43	0	27.521	7.98	-78.7	8.3	0.8
8/19/2005	20:00:39	29.60	54.522	35.95	-0.44	0	27.499	7.98	-78.9	2.0	1.8

Appendix 5
Water Quality Data

Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
8/19/2005	20:30:39	29.65	54.508	35.94	-0.43	0	27.475	7.98	-79.0	1.6	0.6
8/19/2005	21:00:39	29.64	54.508	35.94	-0.43	0	27.476	7.98	-78.9	1.7	0.8
8/19/2005	21:30:39	29.55	54.523	35.95	-0.45	0	27.490	7.98	-78.6	1.8	0.6
8/19/2005	22:00:39	29.50	54.526	35.96	-0.44	0	27.480	7.98	-78.7	1.7	6.5
8/19/2005	22:30:39	29.52	54.522	35.95	-0.44	0	27.510	7.98	-78.6	1.8	0.7
8/19/2005	23:00:39	29.59	54.508	35.94	-0.43	0	27.532	7.98	-78.6	1.7	2.6
8/19/2005	23:30:39	29.66	54.650	36.04	-0.43	0	27.558	7.97	-78.6	1.8	0.4
8/20/2005	0:00:39	29.70	54.648	36.04	-0.43	0	27.605	7.97	-78.3	1.7	0.5
8/20/2005	0:30:39	29.73	54.495	35.92	-0.44	0	27.652	7.98	-78.8	1.8	0.6
8/20/2005	1:00:39	29.68	54.559	35.97	-0.44	0	27.694	7.98	-78.9	1.7	3.5
8/20/2005	1:30:39	29.67	54.540	35.96	-0.44	0	27.764	7.98	-78.8	1.7	0.6
8/20/2005	2:00:39	29.68	54.571	35.98	-0.44	0	27.806	7.98	-78.6	1.8	0.4
8/20/2005	2:30:39	29.69	54.580	35.99	-0.44	0	27.848	7.98	-78.6	1.8	1.1
8/20/2005	3:00:39	29.72	54.560	35.97	-0.44	0	27.896	7.97	-78.4	1.9	0.5
8/20/2005	3:30:39	29.72	54.565	35.98	-0.44	0	27.941	7.96	-77.9	1.7	0.2
8/20/2005	4:00:39	29.87	54.543	35.95	-0.44	0	27.988	7.98	-78.6	1.8	0.1
8/20/2005	4:30:39	29.86	54.540	35.95	-0.44	0	28.013	7.97	-78.2	1.9	0.2
8/20/2005	5:00:39	29.85	54.143	35.66	-0.44	0	28.046	7.97	-78.5	1.9	0.3
8/20/2005	5:30:39	29.83	54.559	35.97	-0.45	0	28.051	7.97	-78.3	2.0	0.9
8/20/2005	6:00:39	29.79	54.435	35.88	-0.46	0	28.056	7.97	-78.2	1.9	0.3
8/20/2005	6:30:39	29.74	54.575	35.98	-0.49	0	28.074	7.96	-77.9	1.9	0.1
8/20/2005	7:00:39	29.75	54.520	35.94	-0.48	0	28.062	7.97	-77.9	5.4	0.7
8/20/2005	7:30:39	29.78	54.559	35.97	-0.49	0	28.064	7.96	-77.9	17.3	0.3
8/20/2005	8:00:39	29.84	53.832	35.43	-0.49	0	28.081	7.97	-78.0	34.0	0.6
8/20/2005	8:30:39	29.89	54.521	35.94	-0.49	0	28.057	7.97	-78.1	39.5	0.3
8/20/2005	9:00:39	29.95	53.761	35.37	-0.49	0	28.076	7.97	-78.2	48.7	2.5
8/20/2005	9:30:39	29.97	53.044	34.84	-0.50	0	28.089	7.97	-78.5	101.6	2.1
8/20/2005	10:00:39	29.93	53.121	34.90	-0.50	0	28.072	7.97	-78.5	121.5	1.0
8/20/2005	10:30:39	29.93	53.387	35.09	-0.49	0	28.063	7.98	-78.7	155.8	0.5
8/20/2005	11:00:39	29.92	53.392	35.10	-0.49	0	28.059	7.98	-78.7	171.8	0.6
8/20/2005	11:30:39	29.98	53.107	34.89	-0.45	0	28.065	7.98	-79.0	207.8	0.5
8/20/2005	12:00:39	30.01	52.668	34.56	-0.50	0	28.068	7.99	-79.3	207.3	0.7
8/20/2005	12:30:39	30.05	52.479	34.42	-0.49	1	28.066	7.99	-79.4	225.4	0.3
8/20/2005	13:00:39	30.10	52.456	34.40	-0.50	0	28.058	7.98	-79.0	241.6	0.5
8/20/2005	13:30:39	30.11	52.358	34.33	-0.50	0	28.072	7.98	-78.7	249.2	0.7
8/20/2005	14:00:39	30.13	53.146	34.91	-0.49	0	28.044	7.99	-79.6	239.1	1.8
8/20/2005	14:30:39	30.14	52.613	34.51	-0.50	0	28.026	7.99	-79.4	217.1	0.8
8/20/2005	15:00:39	30.17	52.518	34.44	-0.50	0	28.007	7.99	-79.5	196.4	2.0
8/20/2005	15:30:39	30.17	52.619	34.52	-0.49	0	28.008	7.99	-79.5	209.4	2.0
8/20/2005	16:00:39	30.14	52.602	34.51	-0.50	0	27.962	8.00	-80.0	184.8	1.9
8/20/2005	16:30:39	30.15	52.845	34.69	-0.50	0	27.913	7.99	-79.8	155.9	2.3
8/20/2005	17:00:39	30.10	52.912	34.74	-0.50	0	27.861	7.98	-78.9	101.6	2.4
8/20/2005	17:30:39	29.86	52.982	34.80	-0.49	0	27.793	7.96	-78.0	97.3	2.6
8/20/2005	18:00:39	29.71	52.513	34.46	-0.48	0	27.767	7.96	-77.7	67.8	2.2
8/20/2005	18:30:39	29.81	52.427	34.39	-0.48	1	27.774	7.96	-77.9	41.7	9.9
8/20/2005	19:00:39	29.89	52.666	34.56	-0.47	0	27.713	7.97	-78.1	21.8	2.3
8/20/2005	19:30:39	29.92	54.316	35.78	-0.46	0	27.635	7.96	-77.9	8.4	4.1
8/20/2005	20:00:39	29.91	54.570	35.97	-0.47	0	27.611	7.96	-77.5	2.6	1.0
8/20/2005	20:30:39	29.96	54.569	35.97	-0.46	0	27.577	7.95	-77.1	2.4	0.7
8/20/2005	21:00:39	30.13	54.570	35.97	-0.46	0	27.551	7.95	-77.5	2.3	0.6
8/20/2005	21:30:39	30.03	54.571	35.97	-0.45	0	27.534	7.96	-77.7	2.3	0.3
8/20/2005	22:00:39	29.92	54.561	35.97	-0.44	0	27.563	7.95	-77.4	2.3	0.4
8/20/2005	22:30:39	29.88	54.558	35.97	-0.44	0	27.517	7.96	-77.6	2.4	0.7
8/20/2005	23:00:39	29.86	54.561	35.97	-0.47	0	27.543	7.96	-77.4	2.3	0.4
8/20/2005	23:30:39	29.89	54.563	35.97	-0.47	0	27.536	7.96	-77.4	2.3	0.9
8/21/2005	0:00:39	29.94	54.617	36.01	-0.47	0	27.570	7.96	-77.6	2.3	2.3
8/21/2005	0:30:39	29.99	54.642	36.02	-0.47	0	27.605	7.96	-77.7	2.4	2.9
8/21/2005	1:00:39	30.03	54.633	36.02	-0.47	0	27.625	7.96	-77.7	2.3	1.0
8/21/2005	1:30:39	30.05	54.636	36.02	-0.48	1	27.682	7.96	-77.7	2.3	0.3
8/21/2005	2:00:39	30.04	54.631	36.01	-0.47	0	27.700	7.95	-77.2	2.2	0.3
8/21/2005	2:30:39	30.05	54.633	36.02	-0.48	0	27.758	7.94	-76.6	2.4	0.1
8/21/2005	3:00:39	30.10	54.631	36.01	-0.48	0	27.802	7.95	-77.0	2.3	0.3
8/21/2005	3:30:39	30.12	54.632	36.01	-0.47	0	27.854	7.95	-76.9	2.3	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/21/2005	4:00:39	30.10	54.630	36.01	-0.47	0	27.872	7.93	-76.1	2.4	0.7
8/21/2005	4:30:39	30.11	54.621	36.00	-0.47	0	27.909	7.92	-75.6	2.2	0.8
8/21/2005	5:00:39	30.15	54.617	36.00	-0.45	0	27.913	7.94	-76.4	2.3	0.6
8/21/2005	5:30:39	30.19	54.618	36.00	-0.45	0	27.919	7.94	-76.5	2.3	0.9
8/21/2005	6:00:39	30.20	54.609	35.99	-0.45	0	27.952	7.93	-76.2	2.3	0.3
8/21/2005	6:30:39	30.21	54.631	36.01	-0.45	0	27.979	7.93	-75.9	2.4	0.1
8/21/2005	7:00:39	30.20	53.841	35.42	-0.45	0	27.965	7.93	-75.7	5.8	0.0
8/21/2005	7:30:39	30.20	53.478	35.15	-0.45	0	27.963	7.92	-75.5	17.2	0.9
8/21/2005	8:00:39	30.20	53.727	35.34	-0.45	0	27.936	7.92	-75.7	33.5	0.6
8/21/2005	8:30:39	30.21	53.061	34.84	-0.45	0	27.977	7.92	-75.6	53.7	0.6
8/21/2005	9:00:39	30.23	53.054	34.84	-0.45	0	27.964	7.93	-76.0	70.4	0.3
8/21/2005	9:30:39	30.25	53.202	34.95	-0.45	0	27.949	7.94	-76.4	103.2	0.2
8/21/2005	10:00:39	30.26	53.116	34.88	-0.46	0	27.956	7.94	-76.5	113.6	0.3
8/21/2005	10:30:39	30.27	53.410	35.10	-0.46	0	27.958	7.94	-76.6	140.4	0.7
8/21/2005	11:00:39	30.28	53.205	34.95	-0.46	1	27.950	7.95	-77.0	151.0	0.9
8/21/2005	11:30:39	30.28	53.050	34.83	-0.45	0	27.970	7.96	-77.7	205.8	1.8
8/21/2005	12:00:39	30.29	53.164	34.92	-0.46	0	27.974	7.96	-77.5	211.0	0.6
8/21/2005	12:30:39	30.30	53.363	35.06	-0.45	0	27.982	7.97	-78.2	234.2	0.1
8/21/2005	13:00:39	30.32	53.224	34.96	-0.46	0	27.952	7.97	-78.4	236.8	1.8
8/21/2005	13:30:39	30.12	53.122	34.89	-0.46	0	27.978	7.96	-77.6	247.2	0.7
8/21/2005	14:00:39	30.05	53.257	34.99	-0.46	0	27.985	7.96	-77.5	242.9	3.0
8/21/2005	14:30:39	29.93	53.486	35.17	-0.45	0	27.985	7.97	-78.2	224.1	0.7
8/21/2005	15:00:39	29.81	53.912	35.49	-0.45	0	27.977	7.98	-78.7	236.4	1.0
8/21/2005	15:30:39	29.87	53.954	35.52	-0.44	0	27.992	7.99	-79.6	204.2	0.9
8/21/2005	16:00:39	29.91	54.050	35.59	-0.44	0	27.980	8.00	-79.8	189.4	0.3
8/21/2005	16:30:39	29.94	53.664	35.30	-0.44	0	27.966	8.00	-80.1	147.5	0.3
8/21/2005	17:00:39	29.96	53.683	35.31	-0.44	0	27.969	7.99	-79.2	132.8	0.7
8/21/2005	17:30:39	29.98	53.306	35.03	-0.45	0	27.917	7.98	-78.9	95.6	0.8
8/21/2005	18:00:39	30.00	53.658	35.29	-0.45	0	27.916	7.97	-78.6	72.2	0.7
8/21/2005	18:30:39	30.00	53.255	34.99	-0.44	0	27.879	7.97	-78.1	43.0	1.2
8/21/2005	19:00:39	30.01	54.038	35.57	-0.44	1	27.850	7.96	-77.9	22.4	1.5
8/21/2005	19:30:39	30.03	53.826	35.42	-0.45	0	27.824	7.95	-77.3	8.8	1.4
8/21/2005	20:00:39	30.02	53.772	35.38	-0.45	0	27.773	7.95	-77.1	2.8	1.8
8/21/2005	20:30:39	30.03	54.692	36.06	-0.44	0	27.750	7.94	-76.7	2.5	1.0
8/21/2005	21:00:39	30.04	54.689	36.06	-0.44	0	27.740	7.94	-76.5	2.5	2.5
8/21/2005	21:30:39	30.04	54.689	36.06	-0.44	0	27.691	7.93	-76.1	2.5	2.8
8/21/2005	22:00:39	30.11	54.673	36.04	-0.44	0	27.698	7.92	-75.3	2.6	1.7
8/21/2005	22:30:39	30.11	54.680	36.05	-0.45	0	27.647	7.91	-74.6	2.6	3.4
8/21/2005	23:00:39	30.14	54.670	36.04	-0.44	0	27.657	7.91	-75.0	2.4	6.7
8/21/2005	23:30:39	30.13	54.667	36.04	-0.44	0	27.680	7.90	-74.4	2.4	0.2
8/22/2005	0:00:39	30.13	54.668	36.04	-0.45	0	27.629	7.90	-74.1	2.5	1.0
8/22/2005	0:30:39	30.17	54.653	36.03	-0.44	0	27.651	7.91	-75.0	2.5	0.2
8/22/2005	1:00:39	30.16	54.651	36.03	-0.45	0	27.675	7.90	-74.0	2.5	0.2
8/22/2005	1:30:39	30.17	54.635	36.01	-0.44	0	27.715	7.91	-74.6	2.5	5.7
8/22/2005	2:00:39	30.15	54.642	36.02	-0.44	0	27.711	7.89	-73.9	2.5	0.4
8/22/2005	2:30:39	30.16	54.642	36.02	-0.45	0	27.742	7.90	-74.3	2.5	1.2
8/22/2005	3:00:39	30.16	54.255	35.73	-0.45	0	27.798	7.89	-73.4	2.5	1.0
8/22/2005	3:30:39	30.13	54.625	36.01	-0.45	0	27.771	7.93	-76.0	2.5	0.3
8/22/2005	4:00:39	29.99	53.429	35.12	-0.45	0	27.815	7.94	-76.6	2.5	0.1
8/22/2005	4:30:39	29.91	54.435	35.87	-0.47	0	27.819	7.95	-77.3	2.5	0.6
8/22/2005	5:00:39	29.95	54.460	35.89	-0.46	0	27.865	7.96	-77.5	2.6	0.6
8/22/2005	5:30:39	29.98	54.466	35.89	-0.44	0	27.891	7.96	-77.5	2.6	0.6
8/22/2005	6:00:39	29.96	54.487	35.91	-0.45	0	27.872	7.95	-76.8	2.5	3.1
8/22/2005	6:30:39	29.97	54.489	35.91	-0.44	0	27.857	7.94	-76.5	2.5	0.1
8/22/2005	7:00:39	29.97	54.210	35.70	-0.45	0	27.857	7.94	-76.3	5.1	1.0
8/22/2005	7:30:39	29.97	54.001	35.55	-0.47	0	27.862	7.93	-76.2	11.5	2.3
8/22/2005	8:00:39	29.98	53.789	35.39	-0.45	0	27.856	7.93	-76.1	20.4	1.5
8/22/2005	8:30:39	29.99	53.707	35.33	-0.46	0	27.841	7.93	-76.0	32.9	1.8
8/22/2005	9:00:39	30.01	53.876	35.45	-0.46	0	27.808	7.92	-75.7	78.1	0.3
8/22/2005	9:30:39	30.03	53.852	35.44	-0.46	0	27.828	7.92	-75.6	81.7	0.6
8/22/2005	10:00:39	30.04	53.703	35.32	-0.45	0	27.818	7.92	-75.6	52.7	0.7
8/22/2005	10:30:39	29.93	53.950	35.51	-0.45	0	27.801	7.94	-76.4	74.4	0.6
8/22/2005	11:00:39	29.83	53.810	35.41	-0.45	0	27.806	7.95	-77.3	77.9	1.2

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/22/2005	11:30:39	29.83	53.715	35.34	-0.45	0	27.804	7.96	-77.7	129.4	0.2
8/22/2005	12:00:39	29.83	53.909	35.49	-0.44	0	27.783	7.96	-77.8	75.3	2.3
8/22/2005	12:30:39	29.85	53.706	35.33	-0.45	0	27.804	7.96	-77.7	68.3	0.2
8/22/2005	13:00:39	29.86	53.770	35.38	-0.46	0	27.814	7.97	-78.2	138.5	0.1
8/22/2005	13:30:39	29.86	54.221	35.72	-0.45	0	27.839	7.96	-77.7	67.7	0.3
8/22/2005	14:00:39	29.85	54.502	35.93	-0.45	0	27.845	7.97	-78.1	98.3	0.2
8/22/2005	14:30:39	29.85	54.517	35.94	-0.45	0	27.869	7.97	-78.1	87.4	0.3
8/22/2005	15:00:39	29.88	54.510	35.93	-0.45	0	27.877	7.98	-78.7	94.5	0.6
8/22/2005	15:30:39	29.90	54.518	35.94	-0.45	0	27.906	7.99	-79.7	215.8	4.3
8/22/2005	16:00:39	29.48	54.513	35.95	-0.44	0	27.916	7.94	-76.6	51.4	0.3
8/22/2005	16:30:39	29.35	54.137	35.67	-0.44	0	27.929	7.95	-77.0	54.8	0.2
8/22/2005	17:00:39	29.26	54.168	35.70	-0.43	0	27.919	7.95	-77.0	57.7	0.3
8/22/2005	17:30:39	29.24	54.486	35.94	-0.43	0	27.940	7.95	-77.1	49.9	1674.3
8/22/2005	18:00:39	29.10	54.460	35.92	-0.43	0	27.927	7.94	-76.2	26.2	0.9
8/22/2005	18:30:39	28.91	54.460	35.93	-0.43	0	27.928	7.94	-76.4	23.7	2.0
8/22/2005	19:00:39	28.91	54.450	35.92	-0.42	0	27.913	7.95	-76.8	15.7	1.4
8/22/2005	19:30:39	28.93	54.460	35.93	-0.42	0	27.895	7.94	-76.6	6.6	0.6
8/22/2005	20:00:39	28.94	54.479	35.94	-0.42	0	27.897	7.94	-76.5	2.7	2.0
8/22/2005	20:30:39	28.96	53.923	35.53	-0.42	0	27.887	7.94	-76.6	2.5	0.4
8/22/2005	21:00:39	28.98	54.438	35.91	-0.42	0	27.862	7.94	-76.2	2.4	0.3
8/22/2005	21:30:39	29.00	54.345	35.84	-0.42	0	27.844	7.94	-76.5	2.4	0.4
8/22/2005	22:00:39	29.00	54.377	35.86	-0.42	0	27.844	7.93	-75.7	2.4	0.4
8/22/2005	22:30:39	29.05	54.481	35.94	-0.42	0	27.822	7.93	-76.0	2.5	0.5
8/22/2005	23:00:39	29.06	54.478	35.93	-0.42	0	27.801	7.93	-75.7	2.4	0.5
8/22/2005	23:30:39	29.45	54.489	35.93	-0.43	0	27.811	7.96	-77.6	2.4	0.1
8/23/2005	0:00:39	29.27	54.424	35.89	-0.43	0	27.813	7.92	-75.1	2.5	0.3
8/23/2005	0:30:39	29.46	54.434	35.89	-0.43	0	27.789	7.94	-76.5	2.5	0.3
8/23/2005	1:00:39	29.34	54.438	35.90	-0.43	0	27.800	7.91	-74.8	2.4	0.3
8/23/2005	1:30:39	29.38	54.443	35.90	-0.44	0	27.804	7.91	-74.6	2.5	0.6
8/23/2005	2:00:39	29.39	54.421	35.88	-0.43	0	27.808	7.90	-74.4	2.4	0.0
8/23/2005	2:30:39	29.48	54.386	35.85	-0.43	0	27.832	7.91	-74.9	2.5	0.3
8/23/2005	3:00:39	29.45	54.444	35.90	-0.44	0	27.824	7.91	-74.9	2.5	0.2
8/23/2005	3:30:39	29.47	51.791	33.93	-0.44	0	27.886	7.90	-74.2	2.5	0.2
8/23/2005	4:00:39	29.54	53.764	35.39	-0.44	0	27.874	7.91	-74.6	2.5	0.1
8/23/2005	4:30:39	29.61	54.240	35.74	-0.44	0	27.845	7.95	-76.9	2.5	0.2
8/23/2005	5:00:39	29.51	54.344	35.82	-0.44	0	27.844	7.95	-77.1	2.5	0.2
8/23/2005	5:30:39	29.43	54.338	35.82	-0.44	0	27.876	7.95	-77.0	2.5	0.2
8/23/2005	6:00:39	29.42	54.327	35.81	-0.44	0	27.869	7.94	-76.7	2.4	0.2
8/23/2005	6:30:39	29.44	54.330	35.81	-0.44	0	27.857	7.94	-76.5	2.4	0.7
8/23/2005	7:00:39	29.47	53.698	35.34	-0.44	0	27.855	7.94	-76.4	4.7	1677.4
8/23/2005	7:30:39	29.47	53.529	35.22	-0.44	0	27.836	7.95	-77.0	16.3	0.2
8/23/2005	8:00:39	29.48	53.598	35.27	-0.44	1	27.810	7.95	-77.1	31.7	0.4
8/23/2005	8:30:39	29.48	53.783	35.40	-0.44	0	27.812	7.95	-77.0	49.6	143.4
8/23/2005	9:00:39	29.51	53.469	35.17	-0.44	0	27.788	7.95	-77.3	80.3	142.2
8/23/2005	9:30:39	29.52	53.477	35.18	-0.44	0	27.752	7.95	-76.8	75.6	25.2
8/23/2005	10:00:39	29.55	53.321	35.06	-0.44	0	27.743	7.95	-77.1	119.5	0.3
8/23/2005	10:30:39	29.57	53.489	35.18	-0.45	0	27.734	7.96	-77.5	138.9	0.3
8/23/2005	11:00:39	29.59	53.473	35.17	-0.45	0	27.716	7.97	-78.0	178.9	0.3
8/23/2005	11:30:39	29.62	53.467	35.16	-0.45	0	27.712	7.96	-77.8	186.6	0.3
8/23/2005	12:00:39	29.62	53.455	35.16	-0.45	0	27.707	7.96	-77.9	137.0	0.3
8/23/2005	12:30:39	29.62	54.047	35.60	-0.45	0	27.692	7.98	-78.6	203.8	0.3
8/23/2005	13:00:39	29.55	54.069	35.61	-0.44	0	27.709	7.99	-79.1	243.3	0.1
8/23/2005	13:30:39	29.51	53.518	35.21	-0.45	0	27.712	7.97	-78.5	215.7	0.1
8/23/2005	14:00:39	29.45	53.554	35.23	-0.44	0	27.722	7.98	-78.6	225.3	0.3
8/23/2005	14:30:39	29.43	53.771	35.40	-0.44	0	27.715	7.98	-79.0	150.3	0.4
8/23/2005	15:00:39	29.40	53.518	35.21	-0.44	0	27.772	7.98	-79.0	197.2	0.2
8/23/2005	15:30:39	29.29	53.558	35.24	-0.44	0	27.788	7.99	-79.3	189.9	0.3
8/23/2005	16:00:39	29.29	53.541	35.23	-0.44	0	27.806	8.01	-80.4	154.1	0.1
8/23/2005	16:30:39	29.03	53.507	35.21	-0.43	0	27.832	7.97	-78.3	136.5	0.3
8/23/2005	17:00:39	28.85	53.556	35.26	-0.43	0	27.842	7.97	-78.1	110.7	0.1
8/23/2005	17:30:39	28.82	53.698	35.36	-0.42	0	27.857	7.97	-78.2	84.7	0.4
8/23/2005	18:00:39	28.80	54.337	35.84	-0.42	0	27.869	7.97	-77.9	60.2	0.3
8/23/2005	18:30:39	28.82	53.815	35.45	-0.42	0	27.906	7.96	-77.6	38.1	0.4

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec* m^2	Turbidity NTU
8/23/2005	19:00:39	28.62	54.053	35.63	-0.42	0	27.904	7.96	-77.3	19.9	0.3
8/23/2005	19:30:39	28.66	54.412	35.90	-0.42	0	27.909	7.95	-76.8	7.5	0.3
8/23/2005	20:00:39	28.65	54.396	35.89	-0.42	0	27.919	7.95	-76.9	2.5	0.3
8/23/2005	20:30:39	28.67	54.416	35.90	-0.42	0	27.923	7.95	-76.8	2.2	1.2
8/23/2005	21:00:39	28.68	54.667	36.09	-0.42	0	27.936	7.93	-75.9	2.3	0.6
8/23/2005	21:30:39	28.68	54.691	36.11	-0.42	0	27.933	7.94	-76.2	2.2	0.5
8/23/2005	22:00:39	28.71	54.681	36.10	-0.42	0	27.947	7.94	-76.4	2.2	0.6
8/23/2005	22:30:39	28.72	54.682	36.10	-0.42	0	27.919	7.94	-76.2	2.2	1.0
8/23/2005	23:00:39	28.72	54.684	36.10	-0.42	0	27.909	7.93	-75.9	2.1	0.5
8/23/2005	23:30:39	28.73	54.754	36.15	-0.42	0	27.902	7.93	-75.9	2.3	4.2
8/24/2005	0:00:39	28.71	54.749	36.15	-0.42	0	27.886	7.91	-74.8	2.2	0.2
8/24/2005	0:30:39	28.64	54.783	36.18	-0.42	0	27.908	7.90	-73.8	2.1	0.3
8/24/2005	1:00:39	28.69	54.764	36.16	-0.42	0	27.852	7.90	-74.0	2.2	0.4
8/24/2005	1:30:39	28.67	54.767	36.16	-0.42	0	27.891	7.90	-74.0	2.1	0.2
8/24/2005	2:00:39	28.69	54.769	36.16	-0.42	0	27.897	7.90	-73.9	2.1	0.6
8/24/2005	2:30:39	28.73	54.744	36.14	-0.42	1	27.899	7.90	-73.9	2.3	1.4
8/24/2005	3:00:39	28.69	54.769	36.16	-0.42	0	27.881	7.88	-73.1	2.2	0.4
8/24/2005	3:30:39	28.69	54.763	36.16	-0.42	0	27.909	7.87	-72.3	2.3	0.3
8/24/2005	4:00:39	28.73	54.744	36.14	-0.42	0	27.893	7.88	-73.0	2.1	0.5
8/24/2005	4:30:39	28.73	54.733	36.14	-0.42	0	27.884	7.87	-72.2	2.4	14.9
8/24/2005	5:00:39	28.75	54.705	36.11	-0.42	0	27.882	7.88	-73.1	2.2	1.8
8/24/2005	5:30:39	28.84	54.663	36.08	-0.42	0	27.896	7.90	-74.2	2.2	18.3
8/24/2005	6:00:39	28.94	54.616	36.04	-0.42	0	27.878	7.92	-75.3	2.3	0.2
8/24/2005	6:30:39	28.89	54.653	36.07	-0.43	0	27.871	7.90	-74.0	2.4	0.8
8/24/2005	7:00:39	28.97	54.607	36.03	-0.43	0	27.862	7.92	-75.2	4.3	8.4
8/24/2005	7:30:39	29.01	54.595	36.02	-0.44	0	27.844	7.92	-75.1	14.7	0.6
8/24/2005	8:00:39	29.06	53.959	35.55	-0.43	0	27.826	7.94	-76.2	29.9	19.9
8/24/2005	8:30:39	29.06	53.766	35.41	-0.43	0	27.785	7.95	-76.8	47.7	3.7
8/24/2005	9:00:39	29.07	53.760	35.40	-0.43	0	27.787	7.93	-76.0	72.4	0.6
8/24/2005	9:30:39	29.08	53.811	35.44	-0.44	0	27.750	7.93	-75.9	92.5	0.4
8/24/2005	10:00:39	29.11	53.754	35.39	-0.46	0	27.741	7.94	-76.5	109.1	1.4
8/24/2005	10:30:39	29.13	53.733	35.38	-0.43	0	27.700	7.95	-76.8	133.0	0.4
8/24/2005	11:00:39	29.16	53.722	35.37	-0.44	0	27.682	7.95	-77.2	161.1	0.4
8/24/2005	11:30:39	29.17	53.866	35.48	-0.43	0	27.647	7.96	-77.3	190.2	1.1
8/24/2005	12:00:39	29.07	53.740	35.39	-0.43	0	27.638	7.96	-77.4	205.6	0.6
8/24/2005	12:30:39	29.03	53.720	35.37	-0.44	0	27.658	7.97	-78.3	225.2	0.4
8/24/2005	13:00:39	29.09	53.691	35.35	-0.43	0	27.630	7.99	-79.0	212.7	0.4
8/24/2005	13:30:39	29.14	53.712	35.36	-0.44	0	27.629	7.99	-79.5	266.8	0.6
8/24/2005	14:00:39	28.95	53.601	35.29	-0.43	0	27.618	7.97	-78.4	214.6	0.4
8/24/2005	14:30:39	28.83	53.321	35.08	-0.43	0	27.671	7.98	-78.5	226.9	0.9
8/24/2005	15:00:39	28.76	53.201	35.00	-0.44	0	27.667	7.99	-79.0	205.2	0.6
8/24/2005	15:30:39	28.77	53.075	34.90	-0.43	0	27.690	8.00	-79.7	165.9	2.1
8/24/2005	16:00:39	28.44	53.095	34.93	-0.43	0	27.697	7.98	-78.5	174.5	2.2
8/24/2005	16:30:39	28.51	53.137	34.96	-0.42	0	27.715	7.97	-78.1	87.3	0.9
8/24/2005	17:00:39	28.51	53.275	35.06	-0.42	0	27.765	7.97	-78.2	56.5	0.5
8/24/2005	17:30:39	28.49	53.510	35.23	-0.42	0	27.785	7.98	-78.7	95.5	1.1
8/24/2005	18:00:39	28.53	53.278	35.06	-0.43	0	27.821	7.97	-78.1	32.8	0.7
8/24/2005	18:30:39	28.52	53.915	35.53	-0.41	0	27.847	7.97	-77.9	35.9	0.7
8/24/2005	19:00:39	28.44	53.369	35.13	-0.43	0	27.874	7.96	-77.3	21.7	2.1
8/24/2005	19:30:39	28.37	53.959	35.57	-0.43	1	27.879	7.96	-77.1	7.7	0.5
8/24/2005	20:00:39	28.27	54.189	35.75	-0.42	0	27.916	7.95	-77.0	2.1	0.6
8/24/2005	20:30:39	28.02	54.268	35.81	-0.41	0	27.929	7.95	-76.8	2.0	0.8
8/24/2005	21:00:39	28.04	54.230	35.78	-0.41	0	27.944	7.96	-77.4	1.9	0.3
8/24/2005	21:30:39	28.05	54.117	35.70	-0.40	0	27.965	7.96	-77.3	1.8	0.6
8/24/2005	22:00:39	28.07	53.597	35.31	-0.40	0	28.002	7.95	-77.0	1.8	0.5
8/24/2005	22:30:39	28.10	53.729	35.41	-0.40	0	27.999	7.95	-77.0	1.9	0.4
8/24/2005	23:00:39	28.12	53.733	35.41	-0.40	0	27.975	7.95	-77.1	1.9	0.5
8/24/2005	23:30:39	28.16	54.244	35.79	-0.40	0	27.995	7.95	-76.6	1.7	0.4
8/25/2005	0:00:39	28.18	54.414	35.92	-0.40	0	27.991	7.95	-76.9	1.8	0.6
8/25/2005	0:30:39	28.17	54.697	36.13	-0.40	1	27.957	7.94	-76.2	1.8	0.3
8/25/2005	1:00:39	28.20	54.669	36.11	-0.40	0	27.966	7.94	-76.0	1.8	1.7
8/25/2005	1:30:39	28.19	54.672	36.11	-0.40	0	27.948	7.94	-76.0	1.8	1.2
8/25/2005	2:00:39	28.21	54.652	36.09	-0.40	0	27.970	7.94	-76.2	1.7	0.6

Appendix 5
Water Quality Data

West Flower Garden Bank											
June 7, 2005 - August 25, 2005											
Date M/D/Y	Time	Temp C	SpCond ms/cm/sec	Salinity ppt	DO Conc mg/L	DO chrg	Depth m	pH	pHmV	PAR1 µeinst/sec*m^2	Turbidity NTU
8/25/2005	2:30:39	28.21	54.626	36.07	-0.40	0	27.920	7.93	-75.7	1.7	0.5
8/25/2005	3:00:39	28.22	54.622	36.07	-0.40	0	27.935	7.93	-75.6	1.8	2.4
8/25/2005	3:30:39	28.22	54.625	36.07	-0.41	0	27.964	7.92	-75.0	1.7	0.6
8/25/2005	4:00:39	28.24	54.394	35.90	-0.40	0	27.948	7.93	-75.7	1.8	0.8
8/25/2005	4:30:39	28.25	54.597	36.05	-0.41	0	27.932	7.91	-74.8	1.8	0.9
8/25/2005	5:00:39	28.43	54.453	35.94	-0.44	0	27.931	7.92	-75.1	1.7	1.0
8/25/2005	5:30:39	28.46	54.436	35.92	-0.42	0	27.914	7.90	-74.0	1.8	1.0
8/25/2005	6:00:39	28.51	54.550	36.01	-0.41	0	27.913	7.90	-74.0	1.8	1.5
8/25/2005	6:30:39	28.85	54.388	35.87	-0.41	0	27.893	7.96	-77.4	1.8	0.4
8/25/2005	7:00:39	28.87	54.362	35.85	-0.45	0	27.874	7.95	-76.7	3.3	1.5
8/25/2005	7:30:39	28.77	54.296	35.81	-0.43	0	27.861	7.96	-77.5	13.1	1.0
8/25/2005	8:00:39	28.73	53.630	35.32	-0.45	0	27.831	7.97	-77.8	22.1	2.0
8/25/2005	8:30:39	28.72	53.759	35.41	-0.42	0	27.814	7.96	-77.8	24.7	5.0
8/25/2005	9:00:39	28.80	53.778	35.42	-0.42	0	22.861	7.94	-76.5	23.5	6.7

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/06/05 20:53:14.0	22.71
06/06/05 21:23:14.0	27.43
06/06/05 21:53:14.0	27.48
06/06/05 22:23:14.0	27.53
06/06/05 22:53:14.0	27.51
06/06/05 23:23:14.0	27.63
06/06/05 23:53:14.0	27.63
06/07/05 00:23:14.0	27.41
06/07/05 00:53:14.0	27.38
06/07/05 01:23:14.0	27.31
06/07/05 01:53:14.0	26.60
06/07/05 02:23:14.0	26.70
06/07/05 02:53:14.0	26.94
06/07/05 03:23:14.0	26.89
06/07/05 03:53:14.0	26.99
06/07/05 04:23:14.0	26.94
06/07/05 04:53:14.0	27.16
06/07/05 05:23:14.0	27.09
06/07/05 05:53:14.0	27.01
06/07/05 06:23:14.0	27.24
06/07/05 06:53:14.0	27.24
06/07/05 07:23:14.0	27.97
06/07/05 07:53:14.0	27.97
06/07/05 08:23:14.0	24.85
06/07/05 08:53:14.0	24.80
06/07/05 09:23:14.0	24.82
06/07/05 09:53:14.0	24.82
06/07/05 10:23:14.0	24.85
06/07/05 10:53:14.0	24.87
06/07/05 11:23:14.0	24.90
06/07/05 11:53:14.0	24.85
06/07/05 12:23:14.0	24.82
06/07/05 12:53:14.0	24.82
06/07/05 13:23:14.0	24.82
06/07/05 13:53:14.0	24.80
06/07/05 14:23:14.0	24.82
06/07/05 14:53:14.0	24.82
06/07/05 15:23:14.0	24.85
06/07/05 15:53:14.0	24.82
06/07/05 16:23:14.0	24.77
06/07/05 16:53:14.0	24.77
06/07/05 17:23:14.0	24.77
06/07/05 17:53:14.0	24.73
06/07/05 18:23:14.0	24.70
06/07/05 18:53:14.0	24.68
06/07/05 19:23:14.0	24.68
06/07/05 19:53:14.0	24.68
06/07/05 20:23:14.0	24.68
06/07/05 20:53:14.0	24.68
06/07/05 21:23:14.0	24.68
06/07/05 21:53:14.0	24.68
06/07/05 22:23:14.0	24.65
06/07/05 22:53:14.0	24.68
06/07/05 23:23:14.0	24.68
06/07/05 23:53:14.0	24.68
06/08/05 00:23:14.0	24.68
06/08/05 00:53:14.0	24.68
06/08/05 01:23:14.0	24.77
06/08/05 01:53:14.0	24.87
06/08/05 02:23:14.0	24.97
06/08/05 02:53:14.0	25.07
06/08/05 03:23:14.0	24.97
06/08/05 03:53:14.0	24.77
06/08/05 04:23:14.0	24.75
06/08/05 04:53:14.0	24.75
06/08/05 05:23:14.0	24.77
06/08/05 05:53:14.0	24.77
06/08/05 06:23:14.0	24.80
06/08/05 06:53:14.0	24.85

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	805412
Memory Size (Bytes)	32768
Deployment	8
Series Info	Information about the data in the series
Points Used	3821
First Point	06/06/05 20:53:14.0
Last Point	08/25/05 10:53:14.0
Duration	79 Days 14:00:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	30.57
Min Value	22.71
Avg Value	27.67
Launch Parameters	
Load Time	06/07/2005 01:53:12 GMT 06/06/2005 20:53:12 Local
Launch Time	06/07/2005 01:53:14 GMT 06/06/2005 20:53:14 Local
Logging Time	06/07/2005 01:53:14 GMT 06/06/2005 20:53:14 Local
Sampling Interval	1800
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0x17F1_04
Wrap Count	0
Description String	WFGB-6.7.05
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/08/05 07:23:14.0	24.85
06/08/05 07:53:14.0	24.85
06/08/05 08:23:14.0	24.85
06/08/05 08:53:14.0	24.85
06/08/05 09:23:14.0	24.80
06/08/05 09:53:14.0	24.82
06/08/05 10:23:14.0	24.82
06/08/05 10:53:14.0	24.82
06/08/05 11:23:14.0	24.82
06/08/05 11:53:14.0	24.85
06/08/05 12:23:14.0	24.87
06/08/05 12:53:14.0	24.87
06/08/05 13:23:14.0	24.87
06/08/05 13:53:14.0	24.85
06/08/05 14:23:14.0	24.97
06/08/05 14:53:14.0	24.99
06/08/05 15:23:14.0	24.97
06/08/05 15:53:14.0	24.97
06/08/05 16:23:14.0	24.97
06/08/05 16:53:14.0	24.94
06/08/05 17:23:14.0	24.94
06/08/05 17:53:14.0	24.92
06/08/05 18:23:14.0	24.94
06/08/05 18:53:14.0	24.92
06/08/05 19:23:14.0	24.90
06/08/05 19:53:14.0	24.92
06/08/05 20:23:14.0	24.90
06/08/05 20:53:14.0	24.90
06/08/05 21:23:14.0	24.87
06/08/05 21:53:14.0	24.85
06/08/05 22:23:14.0	24.82
06/08/05 22:53:14.0	24.85
06/08/05 23:23:14.0	24.85
06/08/05 23:53:14.0	24.87
06/09/05 00:23:14.0	24.87
06/09/05 00:53:14.0	24.85
06/09/05 01:23:14.0	24.87
06/09/05 01:53:14.0	24.87
06/09/05 02:23:14.0	24.87
06/09/05 02:53:14.0	24.87
06/09/05 03:23:14.0	24.87
06/09/05 03:53:14.0	24.85
06/09/05 04:23:14.0	24.85
06/09/05 04:53:14.0	24.77
06/09/05 05:23:14.0	24.73
06/09/05 05:53:14.0	24.73
06/09/05 06:23:14.0	24.73
06/09/05 06:53:14.0	24.73
06/09/05 07:23:14.0	24.75
06/09/05 07:53:14.0	24.70
06/09/05 08:23:14.0	24.44
06/09/05 08:53:14.0	24.36
06/09/05 09:23:14.0	24.39
06/09/05 09:53:14.0	24.41
06/09/05 10:23:14.0	24.46
06/09/05 10:53:14.0	24.51
06/09/05 11:23:14.0	24.51
06/09/05 11:53:14.0	24.56
06/09/05 12:23:14.0	24.61
06/09/05 12:53:14.0	24.63
06/09/05 13:23:14.0	24.65
06/09/05 13:53:14.0	24.68
06/09/05 14:23:14.0	24.70
06/09/05 14:53:14.0	24.73
06/09/05 15:23:14.0	24.68
06/09/05 15:53:14.0	24.70
06/09/05 16:23:14.0	24.75
06/09/05 16:53:14.0	24.73
06/09/05 17:23:14.0	24.75

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (ºC)**
06/09/05 17:53:14.0	24.75
06/09/05 18:23:14.0	24.75
06/09/05 18:53:14.0	24.75
06/09/05 19:23:14.0	24.73
06/09/05 19:53:14.0	24.73
06/09/05 20:23:14.0	24.75
06/09/05 20:53:14.0	24.75
06/09/05 21:23:14.0	24.75
06/09/05 21:53:14.0	24.75
06/09/05 22:23:14.0	24.75
06/09/05 22:53:14.0	24.77
06/09/05 23:23:14.0	24.80
06/09/05 23:53:14.0	24.80
06/10/05 00:23:14.0	24.80
06/10/05 00:53:14.0	24.80
06/10/05 01:23:14.0	24.80
06/10/05 01:53:14.0	24.82
06/10/05 02:23:14.0	24.82
06/10/05 02:53:14.0	24.82
06/10/05 03:23:14.0	24.82
06/10/05 03:53:14.0	24.82
06/10/05 04:23:14.0	24.65
06/10/05 04:53:14.0	24.63
06/10/05 05:23:14.0	24.63
06/10/05 05:53:14.0	24.51
06/10/05 06:23:14.0	24.39
06/10/05 06:53:14.0	24.36
06/10/05 07:23:14.0	24.39
06/10/05 07:53:14.0	24.41
06/10/05 08:23:14.0	24.46
06/10/05 08:53:14.0	24.41
06/10/05 09:23:14.0	24.46
06/10/05 09:53:14.0	24.48
06/10/05 10:23:14.0	24.51
06/10/05 10:53:14.0	24.53
06/10/05 11:23:14.0	24.56
06/10/05 11:53:14.0	24.58
06/10/05 12:23:14.0	24.63
06/10/05 12:53:14.0	24.65
06/10/05 13:23:14.0	24.68
06/10/05 13:53:14.0	24.68
06/10/05 14:23:14.0	24.70
06/10/05 14:53:14.0	24.73
06/10/05 15:23:14.0	24.68
06/10/05 15:53:14.0	24.58
06/10/05 16:23:14.0	24.61
06/10/05 16:53:14.0	24.53
06/10/05 17:23:14.0	24.48
06/10/05 17:53:14.0	24.44
06/10/05 18:23:14.0	24.32
06/10/05 18:53:14.0	24.29
06/10/05 19:23:14.0	24.32
06/10/05 19:53:14.0	24.32
06/10/05 20:23:14.0	24.32
06/10/05 20:53:14.0	24.32
06/10/05 21:23:14.0	24.32
06/10/05 21:53:14.0	24.32
06/10/05 22:23:14.0	24.32
06/10/05 22:53:14.0	24.32
06/10/05 23:23:14.0	24.34
06/10/05 23:53:14.0	24.36
06/11/05 00:23:14.0	24.39
06/11/05 00:53:14.0	24.39
06/11/05 01:23:14.0	24.41
06/11/05 01:53:14.0	24.41
06/11/05 02:23:14.0	24.41
06/11/05 02:53:14.0	24.44
06/11/05 03:23:14.0	24.44
06/11/05 03:53:14.0	24.46

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/11/05 04:23:14.0	24.46
06/11/05 04:53:14.0	24.46
06/11/05 05:23:14.0	24.48
06/11/05 05:53:14.0	24.48
06/11/05 06:23:14.0	24.48
06/11/05 06:53:14.0	24.46
06/11/05 07:23:14.0	24.34
06/11/05 07:53:14.0	24.36
06/11/05 08:23:14.0	24.39
06/11/05 08:53:14.0	24.39
06/11/05 09:23:14.0	24.46
06/11/05 09:53:14.0	24.48
06/11/05 10:23:14.0	24.56
06/11/05 10:53:14.0	24.58
06/11/05 11:23:14.0	25.04
06/11/05 11:53:14.0	25.21
06/11/05 12:23:14.0	25.28
06/11/05 12:53:14.0	25.28
06/11/05 13:23:14.0	25.33
06/11/05 13:53:14.0	25.36
06/11/05 14:23:14.0	25.38
06/11/05 14:53:14.0	25.40
06/11/05 15:23:14.0	25.43
06/11/05 15:53:14.0	25.48
06/11/05 16:23:14.0	25.14
06/11/05 16:53:14.0	25.33
06/11/05 17:23:14.0	25.50
06/11/05 17:53:14.0	25.62
06/11/05 18:23:14.0	25.74
06/11/05 18:53:14.0	25.40
06/11/05 19:23:14.0	25.23
06/11/05 19:53:14.0	24.92
06/11/05 20:23:14.0	24.94
06/11/05 20:53:14.0	24.80
06/11/05 21:23:14.0	24.80
06/11/05 21:53:14.0	24.48
06/11/05 22:23:14.0	24.51
06/11/05 22:53:14.0	24.53
06/11/05 23:23:14.0	24.53
06/11/05 23:53:14.0	24.58
06/12/05 00:23:14.0	24.63
06/12/05 00:53:14.0	24.70
06/12/05 01:23:14.0	24.77
06/12/05 01:53:14.0	24.77
06/12/05 02:23:14.0	24.77
06/12/05 02:53:14.0	24.77
06/12/05 03:23:14.0	24.87
06/12/05 03:53:14.0	24.87
06/12/05 04:23:14.0	24.77
06/12/05 04:53:14.0	24.75
06/12/05 05:23:14.0	24.75
06/12/05 05:53:14.0	24.77
06/12/05 06:23:14.0	24.77
06/12/05 06:53:14.0	24.77
06/12/05 07:23:14.0	24.82
06/12/05 07:53:14.0	24.85
06/12/05 08:23:14.0	24.87
06/12/05 08:53:14.0	24.87
06/12/05 09:23:14.0	24.94
06/12/05 09:53:14.0	24.97
06/12/05 10:23:14.0	25.09
06/12/05 10:53:14.0	25.16
06/12/05 11:23:14.0	25.21
06/12/05 11:53:14.0	25.33
06/12/05 12:23:14.0	25.40
06/12/05 12:53:14.0	25.45
06/12/05 13:23:14.0	25.45
06/12/05 13:53:14.0	25.48
06/12/05 14:23:14.0	25.50

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (ºC)**
06/12/05 14:53:14.0	25.55
06/12/05 15:23:14.0	25.60
06/12/05 15:53:14.0	25.60
06/12/05 16:23:14.0	25.62
06/12/05 16:53:14.0	25.62
06/12/05 17:23:14.0	25.14
06/12/05 17:53:14.0	25.19
06/12/05 18:23:14.0	25.23
06/12/05 18:53:14.0	25.14
06/12/05 19:23:14.0	25.07
06/12/05 19:53:14.0	24.97
06/12/05 20:23:14.0	24.92
06/12/05 20:53:14.0	24.90
06/12/05 21:23:14.0	24.87
06/12/05 21:53:14.0	24.77
06/12/05 22:23:14.0	24.82
06/12/05 22:53:14.0	24.90
06/12/05 23:23:14.0	24.85
06/12/05 23:53:14.0	24.85
06/13/05 00:23:14.0	24.85
06/13/05 00:53:14.0	24.90
06/13/05 01:23:14.0	24.87
06/13/05 01:53:14.0	24.92
06/13/05 02:23:14.0	24.94
06/13/05 02:53:14.0	24.97
06/13/05 03:23:14.0	24.97
06/13/05 03:53:14.0	24.94
06/13/05 04:23:14.0	24.97
06/13/05 04:53:14.0	24.97
06/13/05 05:23:14.0	24.99
06/13/05 05:53:14.0	25.02
06/13/05 06:23:14.0	25.02
06/13/05 06:53:14.0	25.02
06/13/05 07:23:14.0	25.04
06/13/05 07:53:14.0	25.07
06/13/05 08:23:14.0	25.45
06/13/05 08:53:14.0	25.50
06/13/05 09:23:14.0	25.53
06/13/05 09:53:14.0	25.60
06/13/05 10:23:14.0	25.62
06/13/05 10:53:14.0	25.62
06/13/05 11:23:14.0	25.62
06/13/05 11:53:14.0	25.57
06/13/05 12:23:14.0	25.45
06/13/05 12:53:14.0	25.38
06/13/05 13:23:14.0	25.38
06/13/05 13:53:14.0	25.36
06/13/05 14:23:14.0	25.31
06/13/05 14:53:14.0	25.21
06/13/05 15:23:14.0	25.23
06/13/05 15:53:14.0	25.09
06/13/05 16:23:14.0	24.92
06/13/05 16:53:14.0	24.90
06/13/05 17:23:14.0	24.82
06/13/05 17:53:14.0	24.87
06/13/05 18:23:14.0	24.85
06/13/05 18:53:14.0	24.85
06/13/05 19:23:14.0	24.87
06/13/05 19:53:14.0	24.87
06/13/05 20:23:14.0	24.87
06/13/05 20:53:14.0	24.90
06/13/05 21:23:14.0	24.90
06/13/05 21:53:14.0	24.77
06/13/05 22:23:14.0	24.63
06/13/05 22:53:14.0	24.63
06/13/05 23:23:14.0	24.65
06/13/05 23:53:14.0	24.65
06/14/05 00:23:14.0	24.70
06/14/05 00:53:14.0	24.70

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/14/05 01:23:14.0	24.73
06/14/05 01:53:14.0	24.73
06/14/05 02:23:14.0	24.75
06/14/05 02:53:14.0	24.77
06/14/05 03:23:14.0	24.77
06/14/05 03:53:14.0	24.80
06/14/05 04:23:14.0	24.82
06/14/05 04:53:14.0	24.82
06/14/05 05:23:14.0	24.87
06/14/05 05:53:14.0	24.87
06/14/05 06:23:14.0	24.90
06/14/05 06:53:14.0	25.07
06/14/05 07:23:14.0	25.48
06/14/05 07:53:14.0	25.33
06/14/05 08:23:14.0	25.04
06/14/05 08:53:14.0	24.97
06/14/05 09:23:14.0	25.21
06/14/05 09:53:14.0	25.38
06/14/05 10:23:14.0	25.38
06/14/05 10:53:14.0	25.38
06/14/05 11:23:14.0	25.43
06/14/05 11:53:14.0	25.48
06/14/05 12:23:14.0	25.09
06/14/05 12:53:14.0	25.50
06/14/05 13:23:14.0	25.72
06/14/05 13:53:14.0	25.84
06/14/05 14:23:14.0	25.67
06/14/05 14:53:14.0	25.60
06/14/05 15:23:14.0	25.70
06/14/05 15:53:14.0	25.82
06/14/05 16:23:14.0	25.77
06/14/05 16:53:14.0	25.82
06/14/05 17:23:14.0	25.82
06/14/05 17:53:14.0	25.87
06/14/05 18:23:14.0	25.87
06/14/05 18:53:14.0	25.89
06/14/05 19:23:14.0	25.89
06/14/05 19:53:14.0	25.96
06/14/05 20:23:14.0	25.91
06/14/05 20:53:14.0	25.02
06/14/05 21:23:14.0	24.63
06/14/05 21:53:14.0	24.53
06/14/05 22:23:14.0	24.56
06/14/05 22:53:14.0	24.53
06/14/05 23:23:14.0	24.56
06/14/05 23:53:14.0	24.56
06/15/05 00:23:14.0	24.56
06/15/05 00:53:14.0	24.61
06/15/05 01:23:14.0	24.61
06/15/05 01:53:14.0	24.61
06/15/05 02:23:14.0	24.61
06/15/05 02:53:14.0	24.63
06/15/05 03:23:14.0	24.63
06/15/05 03:53:14.0	24.65
06/15/05 04:23:14.0	24.65
06/15/05 04:53:14.0	24.65
06/15/05 05:23:14.0	24.65
06/15/05 05:53:14.0	24.70
06/15/05 06:23:14.0	24.70
06/15/05 06:53:14.0	24.73
06/15/05 07:23:14.0	24.75
06/15/05 07:53:14.0	24.82
06/15/05 08:23:14.0	25.04
06/15/05 08:53:14.0	25.14
06/15/05 09:23:14.0	26.21
06/15/05 09:53:14.0	26.70
06/15/05 10:23:14.0	26.74
06/15/05 10:53:14.0	26.70
06/15/05 11:23:14.0	26.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/15/05 11:53:14.0	26.72
06/15/05 12:23:14.0	26.23
06/15/05 12:53:14.0	25.94
06/15/05 13:23:14.0	25.91
06/15/05 13:53:14.0	25.26
06/15/05 14:23:14.0	25.11
06/15/05 14:53:14.0	25.19
06/15/05 15:23:14.0	25.19
06/15/05 15:53:14.0	25.21
06/15/05 16:23:14.0	25.23
06/15/05 16:53:14.0	25.33
06/15/05 17:23:14.0	25.28
06/15/05 17:53:14.0	25.33
06/15/05 18:23:14.0	25.43
06/15/05 18:53:14.0	25.45
06/15/05 19:23:14.0	25.45
06/15/05 19:53:14.0	25.48
06/15/05 20:23:14.0	25.55
06/15/05 20:53:14.0	25.53
06/15/05 21:23:14.0	25.53
06/15/05 21:53:14.0	25.55
06/15/05 22:23:14.0	25.55
06/15/05 22:53:14.0	25.60
06/15/05 23:23:14.0	25.57
06/15/05 23:53:14.0	25.19
06/16/05 00:23:14.0	25.31
06/16/05 00:53:14.0	25.31
06/16/05 01:23:14.0	25.31
06/16/05 01:53:14.0	24.99
06/16/05 02:23:14.0	24.97
06/16/05 02:53:14.0	24.90
06/16/05 03:23:14.0	24.94
06/16/05 03:53:14.0	25.04
06/16/05 04:23:14.0	25.23
06/16/05 04:53:14.0	25.70
06/16/05 05:23:14.0	26.40
06/16/05 05:53:14.0	26.52
06/16/05 06:23:14.0	26.60
06/16/05 06:53:14.0	26.74
06/16/05 07:23:14.0	26.79
06/16/05 07:53:14.0	26.89
06/16/05 08:23:14.0	26.87
06/16/05 08:53:14.0	27.06
06/16/05 09:23:14.0	26.40
06/16/05 09:53:14.0	26.35
06/16/05 10:23:14.0	26.13
06/16/05 10:53:14.0	25.96
06/16/05 11:23:14.0	25.74
06/16/05 11:53:14.0	25.79
06/16/05 12:23:14.0	25.91
06/16/05 12:53:14.0	25.96
06/16/05 13:23:14.0	26.04
06/16/05 13:53:14.0	26.06
06/16/05 14:23:14.0	26.11
06/16/05 14:53:14.0	26.13
06/16/05 15:23:14.0	26.13
06/16/05 15:53:14.0	25.67
06/16/05 16:23:14.0	25.72
06/16/05 16:53:14.0	25.74
06/16/05 17:23:14.0	25.74
06/16/05 17:53:14.0	25.74
06/16/05 18:23:14.0	25.74
06/16/05 18:53:14.0	25.79
06/16/05 19:23:14.0	25.77
06/16/05 19:53:14.0	25.79
06/16/05 20:23:14.0	25.84
06/16/05 20:53:14.0	25.87
06/16/05 21:23:14.0	25.87
06/16/05 21:53:14.0	25.62

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/16/05 22:23:14.0	25.65
06/16/05 22:53:14.0	25.67
06/16/05 23:23:14.0	25.67
06/16/05 23:53:14.0	25.65
06/17/05 00:23:14.0	25.53
06/17/05 00:53:14.0	25.55
06/17/05 01:23:14.0	25.19
06/17/05 01:53:14.0	25.23
06/17/05 02:23:14.0	25.23
06/17/05 02:53:14.0	25.28
06/17/05 03:23:14.0	25.28
06/17/05 03:53:14.0	25.38
06/17/05 04:23:14.0	25.36
06/17/05 04:53:14.0	25.40
06/17/05 05:23:14.0	25.38
06/17/05 05:53:14.0	25.45
06/17/05 06:23:14.0	25.57
06/17/05 06:53:14.0	25.62
06/17/05 07:23:14.0	25.67
06/17/05 07:53:14.0	25.72
06/17/05 08:23:14.0	25.70
06/17/05 08:53:14.0	25.57
06/17/05 09:23:14.0	25.36
06/17/05 09:53:14.0	25.40
06/17/05 10:23:14.0	25.48
06/17/05 10:53:14.0	25.55
06/17/05 11:23:14.0	25.62
06/17/05 11:53:14.0	25.62
06/17/05 12:23:14.0	25.65
06/17/05 12:53:14.0	25.67
06/17/05 13:23:14.0	25.77
06/17/05 13:53:14.0	25.79
06/17/05 14:23:14.0	25.72
06/17/05 14:53:14.0	25.65
06/17/05 15:23:14.0	25.67
06/17/05 15:53:14.0	25.70
06/17/05 16:23:14.0	25.60
06/17/05 16:53:14.0	25.38
06/17/05 17:23:14.0	25.38
06/17/05 17:53:14.0	25.43
06/17/05 18:23:14.0	25.40
06/17/05 18:53:14.0	25.43
06/17/05 19:23:14.0	25.45
06/17/05 19:53:14.0	25.45
06/17/05 20:23:14.0	25.53
06/17/05 20:53:14.0	25.48
06/17/05 21:23:14.0	25.48
06/17/05 21:53:14.0	25.50
06/17/05 22:23:14.0	25.36
06/17/05 22:53:14.0	25.26
06/17/05 23:23:14.0	25.16
06/17/05 23:53:14.0	25.14
06/18/05 00:23:14.0	25.16
06/18/05 00:53:14.0	25.16
06/18/05 01:23:14.0	25.16
06/18/05 01:53:14.0	25.16
06/18/05 02:23:14.0	25.16
06/18/05 02:53:14.0	25.14
06/18/05 03:23:14.0	25.11
06/18/05 03:53:14.0	25.14
06/18/05 04:23:14.0	25.14
06/18/05 04:53:14.0	25.02
06/18/05 05:23:14.0	24.90
06/18/05 05:53:14.0	24.80
06/18/05 06:23:14.0	24.80
06/18/05 06:53:14.0	24.75
06/18/05 07:23:14.0	24.68
06/18/05 07:53:14.0	24.70
06/18/05 08:23:14.0	24.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/18/05 08:53:14.0	24.68
06/18/05 09:23:14.0	24.68
06/18/05 09:53:14.0	24.68
06/18/05 10:23:14.0	24.68
06/18/05 10:53:14.0	24.73
06/18/05 11:23:14.0	24.75
06/18/05 11:53:14.0	24.77
06/18/05 12:23:14.0	24.82
06/18/05 12:53:14.0	24.82
06/18/05 13:23:14.0	24.87
06/18/05 13:53:14.0	24.92
06/18/05 14:23:14.0	24.92
06/18/05 14:53:14.0	24.82
06/18/05 15:23:14.0	24.90
06/18/05 15:53:14.0	24.85
06/18/05 16:23:14.0	24.82
06/18/05 16:53:14.0	24.85
06/18/05 17:23:14.0	24.82
06/18/05 17:53:14.0	24.63
06/18/05 18:23:14.0	24.58
06/18/05 18:53:14.0	24.58
06/18/05 19:23:14.0	24.58
06/18/05 19:53:14.0	24.58
06/18/05 20:23:14.0	24.58
06/18/05 20:53:14.0	24.58
06/18/05 21:23:14.0	24.58
06/18/05 21:53:14.0	24.58
06/18/05 22:23:14.0	24.58
06/18/05 22:53:14.0	24.58
06/18/05 23:23:14.0	24.58
06/18/05 23:53:14.0	24.61
06/19/05 00:23:14.0	24.58
06/19/05 00:53:14.0	24.58
06/19/05 01:23:14.0	24.56
06/19/05 01:53:14.0	24.58
06/19/05 02:23:14.0	24.58
06/19/05 02:53:14.0	24.61
06/19/05 03:23:14.0	24.63
06/19/05 03:53:14.0	24.68
06/19/05 04:23:14.0	24.70
06/19/05 04:53:14.0	24.73
06/19/05 05:23:14.0	24.75
06/19/05 05:53:14.0	24.75
06/19/05 06:23:14.0	24.75
06/19/05 06:53:14.0	24.75
06/19/05 07:23:14.0	24.75
06/19/05 07:53:14.0	24.77
06/19/05 08:23:14.0	24.77
06/19/05 08:53:14.0	24.80
06/19/05 09:23:14.0	24.80
06/19/05 09:53:14.0	24.85
06/19/05 10:23:14.0	24.85
06/19/05 10:53:14.0	24.90
06/19/05 11:23:14.0	24.85
06/19/05 11:53:14.0	24.92
06/19/05 12:23:14.0	24.94
06/19/05 12:53:14.0	24.94
06/19/05 13:23:14.0	24.94
06/19/05 13:53:14.0	24.87
06/19/05 14:23:14.0	24.77
06/19/05 14:53:14.0	24.80
06/19/05 15:23:14.0	24.77
06/19/05 15:53:14.0	24.80
06/19/05 16:23:14.0	24.80
06/19/05 16:53:14.0	24.61
06/19/05 17:23:14.0	24.58
06/19/05 17:53:14.0	24.61
06/19/05 18:23:14.0	24.58
06/19/05 18:53:14.0	24.58

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
06/19/05 19:23:14.0	24.61
06/19/05 19:53:14.0	24.61
06/19/05 20:23:14.0	24.61
06/19/05 20:53:14.0	24.61
06/19/05 21:23:14.0	24.61
06/19/05 21:53:14.0	24.61
06/19/05 22:23:14.0	24.65
06/19/05 22:53:14.0	24.58
06/19/05 23:23:14.0	24.58
06/19/05 23:53:14.0	24.58
06/20/05 00:23:14.0	24.61
06/20/05 00:53:14.0	24.61
06/20/05 01:23:14.0	24.61
06/20/05 01:53:14.0	24.61
06/20/05 02:23:14.0	24.63
06/20/05 02:53:14.0	24.61
06/20/05 03:23:14.0	24.61
06/20/05 03:53:14.0	24.63
06/20/05 04:23:14.0	24.63
06/20/05 04:53:14.0	24.61
06/20/05 05:23:14.0	24.77
06/20/05 05:53:14.0	24.94
06/20/05 06:23:14.0	24.94
06/20/05 06:53:14.0	24.90
06/20/05 07:23:14.0	24.94
06/20/05 07:53:14.0	25.04
06/20/05 08:23:14.0	25.04
06/20/05 08:53:14.0	25.04
06/20/05 09:23:14.0	24.92
06/20/05 09:53:14.0	24.82
06/20/05 10:23:14.0	24.75
06/20/05 10:53:14.0	24.68
06/20/05 11:23:14.0	24.73
06/20/05 11:53:14.0	24.65
06/20/05 12:23:14.0	24.73
06/20/05 12:53:14.0	24.70
06/20/05 13:23:14.0	24.82
06/20/05 13:53:14.0	24.85
06/20/05 14:23:14.0	24.87
06/20/05 14:53:14.0	24.90
06/20/05 15:23:14.0	24.90
06/20/05 15:53:14.0	24.90
06/20/05 16:23:14.0	24.87
06/20/05 16:53:14.0	24.82
06/20/05 17:23:14.0	24.80
06/20/05 17:53:14.0	24.82
06/20/05 18:23:14.0	24.80
06/20/05 18:53:14.0	24.82
06/20/05 19:23:14.0	24.82
06/20/05 19:53:14.0	24.85
06/20/05 20:23:14.0	24.73
06/20/05 20:53:14.0	24.75
06/20/05 21:23:14.0	24.77
06/20/05 21:53:14.0	24.77
06/20/05 22:23:14.0	24.80
06/20/05 22:53:14.0	24.80
06/20/05 23:23:14.0	24.61
06/20/05 23:53:14.0	24.85
06/21/05 00:23:14.0	24.82
06/21/05 00:53:14.0	24.80
06/21/05 01:23:14.0	24.70
06/21/05 01:53:14.0	24.73
06/21/05 02:23:14.0	24.27
06/21/05 02:53:14.0	24.20
06/21/05 03:23:14.0	24.20
06/21/05 03:53:14.0	24.20
06/21/05 04:23:14.0	24.22
06/21/05 04:53:14.0	24.24
06/21/05 05:23:14.0	24.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/21/05 05:53:14.0	24.32
06/21/05 06:23:14.0	24.34
06/21/05 06:53:14.0	24.39
06/21/05 07:23:14.0	24.46
06/21/05 07:53:14.0	24.51
06/21/05 08:23:14.0	24.53
06/21/05 08:53:14.0	24.61
06/21/05 09:23:14.0	24.73
06/21/05 09:53:14.0	25.04
06/21/05 10:23:14.0	25.48
06/21/05 10:53:14.0	25.53
06/21/05 11:23:14.0	25.74
06/21/05 11:53:14.0	25.79
06/21/05 12:23:14.0	25.82
06/21/05 12:53:14.0	25.79
06/21/05 13:23:14.0	25.74
06/21/05 13:53:14.0	25.70
06/21/05 14:23:14.0	25.65
06/21/05 14:53:14.0	25.70
06/21/05 15:23:14.0	25.62
06/21/05 15:53:14.0	25.53
06/21/05 16:23:14.0	25.53
06/21/05 16:53:14.0	25.53
06/21/05 17:23:14.0	25.50
06/21/05 17:53:14.0	25.50
06/21/05 18:23:14.0	25.33
06/21/05 18:53:14.0	25.33
06/21/05 19:23:14.0	25.33
06/21/05 19:53:14.0	25.36
06/21/05 20:23:14.0	25.36
06/21/05 20:53:14.0	25.33
06/21/05 21:23:14.0	25.36
06/21/05 21:53:14.0	25.36
06/21/05 22:23:14.0	25.23
06/21/05 22:53:14.0	25.23
06/21/05 23:23:14.0	25.31
06/21/05 23:53:14.0	25.28
06/22/05 00:23:14.0	25.23
06/22/05 00:53:14.0	25.16
06/22/05 01:23:14.0	24.90
06/22/05 01:53:14.0	24.87
06/22/05 02:23:14.0	24.80
06/22/05 02:53:14.0	24.80
06/22/05 03:23:14.0	24.80
06/22/05 03:53:14.0	24.80
06/22/05 04:23:14.0	24.53
06/22/05 04:53:14.0	24.58
06/22/05 05:23:14.0	24.61
06/22/05 05:53:14.0	24.61
06/22/05 06:23:14.0	24.61
06/22/05 06:53:14.0	24.65
06/22/05 07:23:14.0	24.68
06/22/05 07:53:14.0	24.73
06/22/05 08:23:14.0	24.77
06/22/05 08:53:14.0	24.82
06/22/05 09:23:14.0	25.02
06/22/05 09:53:14.0	25.28
06/22/05 10:23:14.0	25.45
06/22/05 10:53:14.0	25.87
06/22/05 11:23:14.0	25.99
06/22/05 11:53:14.0	26.16
06/22/05 12:23:14.0	26.18
06/22/05 12:53:14.0	26.33
06/22/05 13:23:14.0	26.35
06/22/05 13:53:14.0	26.30
06/22/05 14:23:14.0	26.23
06/22/05 14:53:14.0	26.21
06/22/05 15:23:14.0	26.21
06/22/05 15:53:14.0	26.21

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/22/05 16:23:14.0	26.23
06/22/05 16:53:14.0	26.16
06/22/05 17:23:14.0	26.13
06/22/05 17:53:14.0	26.06
06/22/05 18:23:14.0	25.94
06/22/05 18:53:14.0	25.87
06/22/05 19:23:14.0	25.82
06/22/05 19:53:14.0	25.77
06/22/05 20:23:14.0	25.79
06/22/05 20:53:14.0	25.79
06/22/05 21:23:14.0	25.82
06/22/05 21:53:14.0	25.82
06/22/05 22:23:14.0	25.82
06/22/05 22:53:14.0	25.82
06/22/05 23:23:14.0	25.82
06/22/05 23:53:14.0	25.79
06/23/05 00:23:14.0	25.79
06/23/05 00:53:14.0	25.79
06/23/05 01:23:14.0	25.79
06/23/05 01:53:14.0	25.87
06/23/05 02:23:14.0	25.72
06/23/05 02:53:14.0	25.79
06/23/05 03:23:14.0	25.33
06/23/05 03:53:14.0	24.92
06/23/05 04:23:14.0	24.94
06/23/05 04:53:14.0	24.97
06/23/05 05:23:14.0	24.97
06/23/05 05:53:14.0	24.97
06/23/05 06:23:14.0	24.99
06/23/05 06:53:14.0	24.99
06/23/05 07:23:14.0	24.92
06/23/05 07:53:14.0	24.97
06/23/05 08:23:14.0	24.90
06/23/05 08:53:14.0	24.94
06/23/05 09:23:14.0	24.97
06/23/05 09:53:14.0	25.02
06/23/05 10:23:14.0	25.11
06/23/05 10:53:14.0	25.11
06/23/05 11:23:14.0	25.16
06/23/05 11:53:14.0	25.19
06/23/05 12:23:14.0	25.26
06/23/05 12:53:14.0	25.33
06/23/05 13:23:14.0	26.09
06/23/05 13:53:14.0	26.18
06/23/05 14:23:14.0	26.18
06/23/05 14:53:14.0	26.18
06/23/05 15:23:14.0	26.16
06/23/05 15:53:14.0	26.13
06/23/05 16:23:14.0	26.13
06/23/05 16:53:14.0	26.23
06/23/05 17:23:14.0	26.28
06/23/05 17:53:14.0	26.23
06/23/05 18:23:14.0	26.40
06/23/05 18:53:14.0	26.38
06/23/05 19:23:14.0	26.30
06/23/05 19:53:14.0	26.38
06/23/05 20:23:14.0	26.35
06/23/05 20:53:14.0	26.33
06/23/05 21:23:14.0	26.30
06/23/05 21:53:14.0	26.30
06/23/05 22:23:14.0	26.30
06/23/05 22:53:14.0	26.33
06/23/05 23:23:14.0	26.38
06/23/05 23:53:14.0	26.38
06/24/05 00:23:14.0	26.35
06/24/05 00:53:14.0	26.35
06/24/05 01:23:14.0	26.33
06/24/05 01:53:14.0	26.33
06/24/05 02:23:14.0	26.33

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/24/05 02:53:14.0	26.30
06/24/05 03:23:14.0	26.21
06/24/05 03:53:14.0	25.57
06/24/05 04:23:14.0	25.57
06/24/05 04:53:14.0	25.26
06/24/05 05:23:14.0	25.21
06/24/05 05:53:14.0	25.09
06/24/05 06:23:14.0	24.99
06/24/05 06:53:14.0	25.02
06/24/05 07:23:14.0	25.04
06/24/05 07:53:14.0	25.07
06/24/05 08:23:14.0	25.09
06/24/05 08:53:14.0	25.14
06/24/05 09:23:14.0	25.19
06/24/05 09:53:14.0	25.21
06/24/05 10:23:14.0	25.31
06/24/05 10:53:14.0	25.31
06/24/05 11:23:14.0	25.36
06/24/05 11:53:14.0	25.40
06/24/05 12:23:14.0	25.43
06/24/05 12:53:14.0	25.50
06/24/05 13:23:14.0	25.55
06/24/05 13:53:14.0	25.55
06/24/05 14:23:14.0	25.60
06/24/05 14:53:14.0	25.65
06/24/05 15:23:14.0	26.09
06/24/05 15:53:14.0	26.43
06/24/05 16:23:14.0	26.26
06/24/05 16:53:14.0	26.06
06/24/05 17:23:14.0	26.09
06/24/05 17:53:14.0	26.04
06/24/05 18:23:14.0	26.13
06/24/05 18:53:14.0	26.06
06/24/05 19:23:14.0	26.04
06/24/05 19:53:14.0	26.06
06/24/05 20:23:14.0	26.13
06/24/05 20:53:14.0	26.33
06/24/05 21:23:14.0	26.65
06/24/05 21:53:14.0	26.82
06/24/05 22:23:14.0	26.77
06/24/05 22:53:14.0	26.72
06/24/05 23:23:14.0	26.70
06/24/05 23:53:14.0	26.65
06/25/05 00:23:14.0	26.33
06/25/05 00:53:14.0	26.30
06/25/05 01:23:14.0	26.23
06/25/05 01:53:14.0	26.16
06/25/05 02:23:14.0	26.16
06/25/05 02:53:14.0	26.18
06/25/05 03:23:14.0	26.23
06/25/05 03:53:14.0	26.38
06/25/05 04:23:14.0	26.38
06/25/05 04:53:14.0	26.35
06/25/05 05:23:14.0	26.26
06/25/05 05:53:14.0	26.28
06/25/05 06:23:14.0	26.33
06/25/05 06:53:14.0	26.35
06/25/05 07:23:14.0	26.40
06/25/05 07:53:14.0	26.40
06/25/05 08:23:14.0	26.40
06/25/05 08:53:14.0	26.40
06/25/05 09:23:14.0	26.40
06/25/05 09:53:14.0	26.43
06/25/05 10:23:14.0	26.45
06/25/05 10:53:14.0	26.43
06/25/05 11:23:14.0	26.48
06/25/05 11:53:14.0	26.50
06/25/05 12:23:14.0	26.52
06/25/05 12:53:14.0	26.52

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
06/25/05 13:23:14.0	26.55
06/25/05 13:53:14.0	26.57
06/25/05 14:23:14.0	26.57
06/25/05 14:53:14.0	26.65
06/25/05 15:23:14.0	26.67
06/25/05 15:53:14.0	26.65
06/25/05 16:23:14.0	26.57
06/25/05 16:53:14.0	26.65
06/25/05 17:23:14.0	26.62
06/25/05 17:53:14.0	26.60
06/25/05 18:23:14.0	26.62
06/25/05 18:53:14.0	26.79
06/25/05 19:23:14.0	26.84
06/25/05 19:53:14.0	26.82
06/25/05 20:23:14.0	26.84
06/25/05 20:53:14.0	26.82
06/25/05 21:23:14.0	26.82
06/25/05 21:53:14.0	26.87
06/25/05 22:23:14.0	26.89
06/25/05 22:53:14.0	26.87
06/25/05 23:23:14.0	26.92
06/25/05 23:53:14.0	26.94
06/26/05 00:23:14.0	26.99
06/26/05 00:53:14.0	27.01
06/26/05 01:23:14.0	26.99
06/26/05 01:53:14.0	26.97
06/26/05 02:23:14.0	26.97
06/26/05 02:53:14.0	26.97
06/26/05 03:23:14.0	26.97
06/26/05 03:53:14.0	26.50
06/26/05 04:23:14.0	26.52
06/26/05 04:53:14.0	26.48
06/26/05 05:23:14.0	26.45
06/26/05 05:53:14.0	26.16
06/26/05 06:23:14.0	26.11
06/26/05 06:53:14.0	26.16
06/26/05 07:23:14.0	26.21
06/26/05 07:53:14.0	26.23
06/26/05 08:23:14.0	26.33
06/26/05 08:53:14.0	26.38
06/26/05 09:23:14.0	26.38
06/26/05 09:53:14.0	26.40
06/26/05 10:23:14.0	26.45
06/26/05 10:53:14.0	26.50
06/26/05 11:23:14.0	26.60
06/26/05 11:53:14.0	26.72
06/26/05 12:23:14.0	26.82
06/26/05 12:53:14.0	26.87
06/26/05 13:23:14.0	26.89
06/26/05 13:53:14.0	26.89
06/26/05 14:23:14.0	26.89
06/26/05 14:53:14.0	26.89
06/26/05 15:23:14.0	26.89
06/26/05 15:53:14.0	26.89
06/26/05 16:23:14.0	26.89
06/26/05 16:53:14.0	26.87
06/26/05 17:23:14.0	26.87
06/26/05 17:53:14.0	26.87
06/26/05 18:23:14.0	26.87
06/26/05 18:53:14.0	26.84
06/26/05 19:23:14.0	26.84
06/26/05 19:53:14.0	26.84
06/26/05 20:23:14.0	26.82
06/26/05 20:53:14.0	27.09
06/26/05 21:23:14.0	27.24
06/26/05 21:53:14.0	27.24
06/26/05 22:23:14.0	27.24
06/26/05 22:53:14.0	27.24
06/26/05 23:23:14.0	27.21

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (°C)**
06/26/05 23:53:14.0	27.16
06/27/05 00:23:14.0	27.16
06/27/05 00:53:14.0	27.14
06/27/05 01:23:14.0	27.14
06/27/05 01:53:14.0	27.14
06/27/05 02:23:14.0	27.11
06/27/05 02:53:14.0	27.11
06/27/05 03:23:14.0	27.14
06/27/05 03:53:14.0	27.14
06/27/05 04:23:14.0	27.14
06/27/05 04:53:14.0	27.11
06/27/05 05:23:14.0	26.74
06/27/05 05:53:14.0	26.50
06/27/05 06:23:14.0	26.55
06/27/05 06:53:14.0	26.60
06/27/05 07:23:14.0	26.52
06/27/05 07:53:14.0	26.55
06/27/05 08:23:14.0	26.60
06/27/05 08:53:14.0	26.65
06/27/05 09:23:14.0	26.67
06/27/05 09:53:14.0	26.67
06/27/05 10:23:14.0	26.84
06/27/05 10:53:14.0	26.84
06/27/05 11:23:14.0	26.92
06/27/05 11:53:14.0	26.92
06/27/05 12:23:14.0	26.94
06/27/05 12:53:14.0	27.01
06/27/05 13:23:14.0	27.06
06/27/05 13:53:14.0	27.04
06/27/05 14:23:14.0	27.04
06/27/05 14:53:14.0	27.09
06/27/05 15:23:14.0	27.09
06/27/05 15:53:14.0	27.09
06/27/05 16:23:14.0	27.11
06/27/05 16:53:14.0	27.11
06/27/05 17:23:14.0	27.09
06/27/05 17:53:14.0	27.09
06/27/05 18:23:14.0	27.09
06/27/05 18:53:14.0	27.09
06/27/05 19:23:14.0	27.09
06/27/05 19:53:14.0	27.11
06/27/05 20:23:14.0	27.11
06/27/05 20:53:14.0	27.09
06/27/05 21:23:14.0	27.14
06/27/05 21:53:14.0	27.11
06/27/05 22:23:14.0	27.04
06/27/05 22:53:14.0	26.79
06/27/05 23:23:14.0	26.87
06/27/05 23:53:14.0	26.87
06/28/05 00:23:14.0	26.87
06/28/05 00:53:14.0	26.87
06/28/05 01:23:14.0	26.89
06/28/05 01:53:14.0	26.89
06/28/05 02:23:14.0	26.92
06/28/05 02:53:14.0	26.89
06/28/05 03:23:14.0	26.89
06/28/05 03:53:14.0	26.89
06/28/05 04:23:14.0	26.92
06/28/05 04:53:14.0	26.92
06/28/05 05:23:14.0	26.92
06/28/05 05:53:14.0	26.92
06/28/05 06:23:14.0	26.92
06/28/05 06:53:14.0	26.94
06/28/05 07:23:14.0	26.92
06/28/05 07:53:14.0	26.92
06/28/05 08:23:14.0	26.84
06/28/05 08:53:14.0	26.87
06/28/05 09:23:14.0	26.89
06/28/05 09:53:14.0	26.92

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/28/05 10:23:14.0	26.92
06/28/05 10:53:14.0	26.94
06/28/05 11:23:14.0	26.97
06/28/05 11:53:14.0	26.94
06/28/05 12:23:14.0	27.06
06/28/05 12:53:14.0	27.68
06/28/05 13:23:14.0	28.02
06/28/05 13:53:14.0	28.25
06/28/05 14:23:14.0	28.49
06/28/05 14:53:14.0	28.52
06/28/05 15:23:14.0	28.57
06/28/05 15:53:14.0	28.57
06/28/05 16:23:14.0	28.57
06/28/05 16:53:14.0	28.59
06/28/05 17:23:14.0	28.62
06/28/05 17:53:14.0	28.62
06/28/05 18:23:14.0	28.64
06/28/05 18:53:14.0	28.62
06/28/05 19:23:14.0	28.62
06/28/05 19:53:14.0	28.62
06/28/05 20:23:14.0	28.59
06/28/05 20:53:14.0	28.59
06/28/05 21:23:14.0	28.57
06/28/05 21:53:14.0	28.57
06/28/05 22:23:14.0	28.52
06/28/05 22:53:14.0	28.49
06/28/05 23:23:14.0	28.49
06/28/05 23:53:14.0	28.49
06/29/05 00:23:14.0	28.49
06/29/05 00:53:14.0	28.49
06/29/05 01:23:14.0	28.49
06/29/05 01:53:14.0	28.47
06/29/05 02:23:14.0	28.47
06/29/05 02:53:14.0	28.49
06/29/05 03:23:14.0	28.52
06/29/05 03:53:14.0	28.52
06/29/05 04:23:14.0	28.54
06/29/05 04:53:14.0	28.62
06/29/05 05:23:14.0	28.67
06/29/05 05:53:14.0	28.72
06/29/05 06:23:14.0	28.72
06/29/05 06:53:14.0	28.72
06/29/05 07:23:14.0	28.74
06/29/05 07:53:14.0	28.74
06/29/05 08:23:14.0	28.72
06/29/05 08:53:14.0	28.72
06/29/05 09:23:14.0	28.72
06/29/05 09:53:14.0	28.69
06/29/05 10:23:14.0	28.77
06/29/05 10:53:14.0	28.77
06/29/05 11:23:14.0	28.74
06/29/05 11:53:14.0	28.79
06/29/05 12:23:14.0	28.72
06/29/05 12:53:14.0	28.82
06/29/05 13:23:14.0	28.77
06/29/05 13:53:14.0	28.82
06/29/05 14:23:14.0	28.82
06/29/05 14:53:14.0	28.82
06/29/05 15:23:14.0	28.82
06/29/05 15:53:14.0	28.82
06/29/05 16:23:14.0	28.79
06/29/05 16:53:14.0	28.77
06/29/05 17:23:14.0	28.77
06/29/05 17:53:14.0	28.72
06/29/05 18:23:14.0	28.69
06/29/05 18:53:14.0	28.69
06/29/05 19:23:14.0	28.69
06/29/05 19:53:14.0	28.69
06/29/05 20:23:14.0	28.67

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
06/29/05 20:53:14.0	28.67
06/29/05 21:23:14.0	28.67
06/29/05 21:53:14.0	28.67
06/29/05 22:23:14.0	28.67
06/29/05 22:53:14.0	28.67
06/29/05 23:23:14.0	28.64
06/29/05 23:53:14.0	28.62
06/30/05 00:23:14.0	28.62
06/30/05 00:53:14.0	28.62
06/30/05 01:23:14.0	28.62
06/30/05 01:53:14.0	28.59
06/30/05 02:23:14.0	28.59
06/30/05 02:53:14.0	28.59
06/30/05 03:23:14.0	28.59
06/30/05 03:53:14.0	28.59
06/30/05 04:23:14.0	28.59
06/30/05 04:53:14.0	28.59
06/30/05 05:23:14.0	28.59
06/30/05 05:53:14.0	28.54
06/30/05 06:23:14.0	28.54
06/30/05 06:53:14.0	28.57
06/30/05 07:23:14.0	28.57
06/30/05 07:53:14.0	28.57
06/30/05 08:23:14.0	28.59
06/30/05 08:53:14.0	28.59
06/30/05 09:23:14.0	28.62
06/30/05 09:53:14.0	28.64
06/30/05 10:23:14.0	28.67
06/30/05 10:53:14.0	28.69
06/30/05 11:23:14.0	28.69
06/30/05 11:53:14.0	28.74
06/30/05 12:23:14.0	28.72
06/30/05 12:53:14.0	28.74
06/30/05 13:23:14.0	28.74
06/30/05 13:53:14.0	28.74
06/30/05 14:23:14.0	28.74
06/30/05 14:53:14.0	28.67
06/30/05 15:23:14.0	28.67
06/30/05 15:53:14.0	28.62
06/30/05 16:23:14.0	28.62
06/30/05 16:53:14.0	28.57
06/30/05 17:23:14.0	28.54
06/30/05 17:53:14.0	28.52
06/30/05 18:23:14.0	28.52
06/30/05 18:53:14.0	28.52
06/30/05 19:23:14.0	28.49
06/30/05 19:53:14.0	28.57
06/30/05 20:23:14.0	28.57
06/30/05 20:53:14.0	28.57
06/30/05 21:23:14.0	28.57
06/30/05 21:53:14.0	28.54
06/30/05 22:23:14.0	28.57
06/30/05 22:53:14.0	28.59
06/30/05 23:23:14.0	28.59
06/30/05 23:53:14.0	28.59
07/01/05 00:23:14.0	28.62
07/01/05 00:53:14.0	28.62
07/01/05 01:23:14.0	28.62
07/01/05 01:53:14.0	28.62
07/01/05 02:23:14.0	28.64
07/01/05 02:53:14.0	28.69
07/01/05 03:23:14.0	28.64
07/01/05 03:53:14.0	28.59
07/01/05 04:23:14.0	28.52
07/01/05 04:53:14.0	28.47
07/01/05 05:23:14.0	28.49
07/01/05 05:53:14.0	28.52
07/01/05 06:23:14.0	28.57
07/01/05 06:53:14.0	28.54

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
07/01/05 07:23:14.0	28.52
07/01/05 07:53:14.0	28.54
07/01/05 08:23:14.0	28.57
07/01/05 08:53:14.0	28.54
07/01/05 09:23:14.0	28.59
07/01/05 09:53:14.0	28.62
07/01/05 10:23:14.0	28.59
07/01/05 10:53:14.0	28.57
07/01/05 11:23:14.0	28.47
07/01/05 11:53:14.0	28.54
07/01/05 12:23:14.0	28.54
07/01/05 12:53:14.0	28.59
07/01/05 13:23:14.0	28.59
07/01/05 13:53:14.0	28.69
07/01/05 14:23:14.0	28.77
07/01/05 14:53:14.0	28.74
07/01/05 15:23:14.0	28.77
07/01/05 15:53:14.0	28.89
07/01/05 16:23:14.0	28.89
07/01/05 16:53:14.0	28.89
07/01/05 17:23:14.0	28.89
07/01/05 17:53:14.0	28.87
07/01/05 18:23:14.0	28.79
07/01/05 18:53:14.0	28.69
07/01/05 19:23:14.0	28.62
07/01/05 19:53:14.0	28.57
07/01/05 20:23:14.0	28.47
07/01/05 20:53:14.0	28.39
07/01/05 21:23:14.0	28.35
07/01/05 21:53:14.0	28.30
07/01/05 22:23:14.0	27.83
07/01/05 22:53:14.0	27.68
07/01/05 23:23:14.0	27.48
07/01/05 23:53:14.0	27.41
07/02/05 00:23:14.0	27.46
07/02/05 00:53:14.0	27.43
07/02/05 01:23:14.0	27.46
07/02/05 01:53:14.0	27.53
07/02/05 02:23:14.0	27.55
07/02/05 02:53:14.0	27.58
07/02/05 03:23:14.0	27.58
07/02/05 03:53:14.0	27.63
07/02/05 04:23:14.0	28.02
07/02/05 04:53:14.0	28.05
07/02/05 05:23:14.0	27.85
07/02/05 05:53:14.0	27.65
07/02/05 06:23:14.0	27.75
07/02/05 06:53:14.0	27.58
07/02/05 07:23:14.0	27.41
07/02/05 07:53:14.0	27.48
07/02/05 08:23:14.0	27.70
07/02/05 08:53:14.0	28.10
07/02/05 09:23:14.0	28.37
07/02/05 09:53:14.0	28.37
07/02/05 10:23:14.0	28.39
07/02/05 10:53:14.0	28.49
07/02/05 11:23:14.0	28.47
07/02/05 11:53:14.0	28.44
07/02/05 12:23:14.0	28.52
07/02/05 12:53:14.0	28.57
07/02/05 13:23:14.0	28.62
07/02/05 13:53:14.0	28.72
07/02/05 14:23:14.0	28.72
07/02/05 14:53:14.0	28.62
07/02/05 15:23:14.0	28.62
07/02/05 15:53:14.0	28.59
07/02/05 16:23:14.0	28.54
07/02/05 16:53:14.0	28.52
07/02/05 17:23:14.0	28.52

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/02/05 17:53:14.0	28.49
07/02/05 18:23:14.0	28.47
07/02/05 18:53:14.0	28.02
07/02/05 19:23:14.0	26.87
07/02/05 19:53:14.0	26.45
07/02/05 20:23:14.0	26.18
07/02/05 20:53:14.0	26.18
07/02/05 21:23:14.0	27.06
07/02/05 21:53:14.0	27.21
07/02/05 22:23:14.0	27.24
07/02/05 22:53:14.0	26.84
07/02/05 23:23:14.0	26.74
07/02/05 23:53:14.0	25.48
07/03/05 00:23:14.0	24.87
07/03/05 00:53:14.0	24.70
07/03/05 01:23:14.0	24.73
07/03/05 01:53:14.0	24.80
07/03/05 02:23:14.0	24.82
07/03/05 02:53:14.0	24.87
07/03/05 03:23:14.0	24.90
07/03/05 03:53:14.0	24.90
07/03/05 04:23:14.0	24.94
07/03/05 04:53:14.0	24.99
07/03/05 05:23:14.0	25.02
07/03/05 05:53:14.0	25.09
07/03/05 06:23:14.0	25.21
07/03/05 06:53:14.0	25.16
07/03/05 07:23:14.0	25.21
07/03/05 07:53:14.0	25.33
07/03/05 08:23:14.0	25.40
07/03/05 08:53:14.0	25.45
07/03/05 09:23:14.0	25.48
07/03/05 09:53:14.0	25.50
07/03/05 10:23:14.0	25.45
07/03/05 10:53:14.0	24.94
07/03/05 11:23:14.0	24.82
07/03/05 11:53:14.0	24.80
07/03/05 12:23:14.0	24.73
07/03/05 12:53:14.0	24.82
07/03/05 13:23:14.0	24.85
07/03/05 13:53:14.0	24.90
07/03/05 14:23:14.0	24.90
07/03/05 14:53:14.0	24.97
07/03/05 15:23:14.0	25.19
07/03/05 15:53:14.0	25.07
07/03/05 16:23:14.0	25.07
07/03/05 16:53:14.0	25.16
07/03/05 17:23:14.0	25.28
07/03/05 17:53:14.0	25.33
07/03/05 18:23:14.0	25.28
07/03/05 18:53:14.0	25.50
07/03/05 19:23:14.0	25.09
07/03/05 19:53:14.0	25.09
07/03/05 20:23:14.0	25.09
07/03/05 20:53:14.0	24.82
07/03/05 21:23:14.0	24.51
07/03/05 21:53:14.0	24.48
07/03/05 22:23:14.0	24.46
07/03/05 22:53:14.0	24.48
07/03/05 23:23:14.0	24.48
07/03/05 23:53:14.0	24.51
07/04/05 00:23:14.0	24.51
07/04/05 00:53:14.0	24.51
07/04/05 01:23:14.0	24.53
07/04/05 01:53:14.0	24.56
07/04/05 02:23:14.0	24.58
07/04/05 02:53:14.0	24.58
07/04/05 03:23:14.0	24.61
07/04/05 03:53:14.0	24.61

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/04/05 04:23:14.0	24.61
07/04/05 04:53:14.0	24.65
07/04/05 05:23:14.0	24.63
07/04/05 05:53:14.0	24.65
07/04/05 06:23:14.0	24.65
07/04/05 06:53:14.0	24.68
07/04/05 07:23:14.0	24.70
07/04/05 07:53:14.0	24.70
07/04/05 08:23:14.0	24.85
07/04/05 08:53:14.0	24.87
07/04/05 09:23:14.0	24.92
07/04/05 09:53:14.0	24.92
07/04/05 10:23:14.0	25.02
07/04/05 10:53:14.0	25.04
07/04/05 11:23:14.0	25.09
07/04/05 11:53:14.0	25.11
07/04/05 12:23:14.0	25.14
07/04/05 12:53:14.0	25.16
07/04/05 13:23:14.0	25.16
07/04/05 13:53:14.0	25.16
07/04/05 14:23:14.0	25.19
07/04/05 14:53:14.0	25.16
07/04/05 15:23:14.0	25.16
07/04/05 15:53:14.0	25.19
07/04/05 16:23:14.0	25.19
07/04/05 16:53:14.0	25.16
07/04/05 17:23:14.0	25.16
07/04/05 17:53:14.0	25.16
07/04/05 18:23:14.0	25.11
07/04/05 18:53:14.0	25.11
07/04/05 19:23:14.0	25.11
07/04/05 19:53:14.0	25.11
07/04/05 20:23:14.0	25.09
07/04/05 20:53:14.0	25.11
07/04/05 21:23:14.0	25.16
07/04/05 21:53:14.0	25.07
07/04/05 22:23:14.0	24.97
07/04/05 22:53:14.0	24.87
07/04/05 23:23:14.0	24.61
07/04/05 23:53:14.0	24.53
07/05/05 00:23:14.0	24.53
07/05/05 00:53:14.0	24.53
07/05/05 01:23:14.0	24.56
07/05/05 01:53:14.0	24.56
07/05/05 02:23:14.0	24.56
07/05/05 02:53:14.0	24.65
07/05/05 03:23:14.0	24.68
07/05/05 03:53:14.0	24.63
07/05/05 04:23:14.0	24.65
07/05/05 04:53:14.0	24.65
07/05/05 05:23:14.0	24.65
07/05/05 05:53:14.0	24.68
07/05/05 06:23:14.0	24.68
07/05/05 06:53:14.0	24.68
07/05/05 07:23:14.0	24.68
07/05/05 07:53:14.0	24.70
07/05/05 08:23:14.0	24.70
07/05/05 08:53:14.0	24.73
07/05/05 09:23:14.0	24.75
07/05/05 09:53:14.0	24.77
07/05/05 10:23:14.0	24.80
07/05/05 10:53:14.0	24.82
07/05/05 11:23:14.0	24.82
07/05/05 11:53:14.0	24.85
07/05/05 12:23:14.0	24.85
07/05/05 12:53:14.0	24.87
07/05/05 13:23:14.0	24.90
07/05/05 13:53:14.0	24.90
07/05/05 14:23:14.0	24.90

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/05/05 14:53:14.0	24.92
07/05/05 15:23:14.0	24.94
07/05/05 15:53:14.0	24.97
07/05/05 16:23:14.0	24.99
07/05/05 16:53:14.0	25.02
07/05/05 17:23:14.0	25.02
07/05/05 17:53:14.0	25.02
07/05/05 18:23:14.0	24.94
07/05/05 18:53:14.0	24.97
07/05/05 19:23:14.0	25.02
07/05/05 19:53:14.0	25.04
07/05/05 20:23:14.0	25.07
07/05/05 20:53:14.0	25.07
07/05/05 21:23:14.0	25.04
07/05/05 21:53:14.0	24.92
07/05/05 22:23:14.0	24.85
07/05/05 22:53:14.0	24.85
07/05/05 23:23:14.0	24.85
07/05/05 23:53:14.0	24.87
07/06/05 00:23:14.0	24.80
07/06/05 00:53:14.0	24.80
07/06/05 01:23:14.0	24.85
07/06/05 01:53:14.0	24.85
07/06/05 02:23:14.0	24.82
07/06/05 02:53:14.0	24.53
07/06/05 03:23:14.0	24.58
07/06/05 03:53:14.0	24.61
07/06/05 04:23:14.0	24.63
07/06/05 04:53:14.0	24.68
07/06/05 05:23:14.0	24.32
07/06/05 05:53:14.0	24.34
07/06/05 06:23:14.0	24.39
07/06/05 06:53:14.0	24.41
07/06/05 07:23:14.0	24.44
07/06/05 07:53:14.0	24.46
07/06/05 08:23:14.0	24.51
07/06/05 08:53:14.0	24.58
07/06/05 09:23:14.0	24.61
07/06/05 09:53:14.0	24.63
07/06/05 10:23:14.0	24.68
07/06/05 10:53:14.0	24.75
07/06/05 11:23:14.0	24.80
07/06/05 11:53:14.0	24.87
07/06/05 12:23:14.0	24.90
07/06/05 12:53:14.0	24.94
07/06/05 13:23:14.0	25.04
07/06/05 13:53:14.0	25.04
07/06/05 14:23:14.0	25.07
07/06/05 14:53:14.0	25.11
07/06/05 15:23:14.0	25.11
07/06/05 15:53:14.0	25.14
07/06/05 16:23:14.0	25.19
07/06/05 16:53:14.0	25.21
07/06/05 17:23:14.0	25.21
07/06/05 17:53:14.0	25.23
07/06/05 18:23:14.0	25.23
07/06/05 18:53:14.0	25.23
07/06/05 19:23:14.0	25.26
07/06/05 19:53:14.0	25.26
07/06/05 20:23:14.0	25.26
07/06/05 20:53:14.0	25.09
07/06/05 21:23:14.0	25.02
07/06/05 21:53:14.0	25.04
07/06/05 22:23:14.0	25.04
07/06/05 22:53:14.0	25.07
07/06/05 23:23:14.0	25.04
07/06/05 23:53:14.0	25.07
07/07/05 00:23:14.0	25.07
07/07/05 00:53:14.0	25.09

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
07/07/05 01:23:14.0	25.09
07/07/05 01:53:14.0	25.09
07/07/05 02:23:14.0	25.07
07/07/05 02:53:14.0	24.97
07/07/05 03:23:14.0	24.97
07/07/05 03:53:14.0	24.99
07/07/05 04:23:14.0	24.99
07/07/05 04:53:14.0	24.99
07/07/05 05:23:14.0	25.02
07/07/05 05:53:14.0	24.99
07/07/05 06:23:14.0	24.99
07/07/05 06:53:14.0	24.99
07/07/05 07:23:14.0	25.04
07/07/05 07:53:14.0	25.28
07/07/05 08:23:14.0	25.36
07/07/05 08:53:14.0	25.45
07/07/05 09:23:14.0	25.87
07/07/05 09:53:14.0	25.94
07/07/05 10:23:14.0	26.18
07/07/05 10:53:14.0	26.16
07/07/05 11:23:14.0	26.21
07/07/05 11:53:14.0	26.40
07/07/05 12:23:14.0	26.48
07/07/05 12:53:14.0	26.45
07/07/05 13:23:14.0	26.74
07/07/05 13:53:14.0	26.60
07/07/05 14:23:14.0	26.72
07/07/05 14:53:14.0	26.72
07/07/05 15:23:14.0	26.84
07/07/05 15:53:14.0	27.06
07/07/05 16:23:14.0	26.94
07/07/05 16:53:14.0	26.99
07/07/05 17:23:14.0	27.06
07/07/05 17:53:14.0	27.24
07/07/05 18:23:14.0	27.24
07/07/05 18:53:14.0	27.55
07/07/05 19:23:14.0	27.63
07/07/05 19:53:14.0	27.65
07/07/05 20:23:14.0	27.78
07/07/05 20:53:14.0	27.65
07/07/05 21:23:14.0	27.83
07/07/05 21:53:14.0	27.80
07/07/05 22:23:14.0	27.88
07/07/05 22:53:14.0	27.88
07/07/05 23:23:14.0	27.88
07/07/05 23:53:14.0	28.30
07/08/05 00:23:14.0	28.67
07/08/05 00:53:14.0	28.72
07/08/05 01:23:14.0	28.74
07/08/05 01:53:14.0	28.74
07/08/05 02:23:14.0	28.74
07/08/05 02:53:14.0	28.77
07/08/05 03:23:14.0	28.74
07/08/05 03:53:14.0	28.74
07/08/05 04:23:14.0	28.77
07/08/05 04:53:14.0	28.77
07/08/05 05:23:14.0	28.62
07/08/05 05:53:14.0	28.47
07/08/05 06:23:14.0	27.04
07/08/05 06:53:14.0	26.70
07/08/05 07:23:14.0	26.48
07/08/05 07:53:14.0	26.57
07/08/05 08:23:14.0	26.65
07/08/05 08:53:14.0	26.77
07/08/05 09:23:14.0	26.82
07/08/05 09:53:14.0	26.97
07/08/05 10:23:14.0	26.94
07/08/05 10:53:14.0	27.09
07/08/05 11:23:14.0	27.14

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/08/05 11:53:14.0	27.28
07/08/05 12:23:14.0	27.36
07/08/05 12:53:14.0	27.95
07/08/05 13:23:14.0	27.97
07/08/05 13:53:14.0	28.62
07/08/05 14:23:14.0	28.59
07/08/05 14:53:14.0	28.62
07/08/05 15:23:14.0	28.35
07/08/05 15:53:14.0	28.20
07/08/05 16:23:14.0	28.22
07/08/05 16:53:14.0	28.35
07/08/05 17:23:14.0	28.44
07/08/05 17:53:14.0	28.57
07/08/05 18:23:14.0	28.64
07/08/05 18:53:14.0	28.67
07/08/05 19:23:14.0	28.67
07/08/05 19:53:14.0	28.67
07/08/05 20:23:14.0	28.67
07/08/05 20:53:14.0	28.64
07/08/05 21:23:14.0	28.59
07/08/05 21:53:14.0	28.59
07/08/05 22:23:14.0	28.49
07/08/05 22:53:14.0	28.52
07/08/05 23:23:14.0	28.62
07/08/05 23:53:14.0	28.64
07/09/05 00:23:14.0	28.62
07/09/05 00:53:14.0	28.62
07/09/05 01:23:14.0	28.62
07/09/05 01:53:14.0	28.62
07/09/05 02:23:14.0	28.57
07/09/05 02:53:14.0	28.57
07/09/05 03:23:14.0	28.54
07/09/05 03:53:14.0	28.54
07/09/05 04:23:14.0	28.52
07/09/05 04:53:14.0	28.07
07/09/05 05:23:14.0	28.07
07/09/05 05:53:14.0	26.99
07/09/05 06:23:14.0	27.06
07/09/05 06:53:14.0	27.01
07/09/05 07:23:14.0	26.57
07/09/05 07:53:14.0	26.55
07/09/05 08:23:14.0	26.65
07/09/05 08:53:14.0	26.67
07/09/05 09:23:14.0	26.70
07/09/05 09:53:14.0	26.79
07/09/05 10:23:14.0	26.82
07/09/05 10:53:14.0	26.97
07/09/05 11:23:14.0	26.92
07/09/05 11:53:14.0	26.99
07/09/05 12:23:14.0	27.09
07/09/05 12:53:14.0	27.09
07/09/05 13:23:14.0	27.14
07/09/05 13:53:14.0	27.26
07/09/05 14:23:14.0	27.24
07/09/05 14:53:14.0	27.26
07/09/05 15:23:14.0	27.26
07/09/05 15:53:14.0	27.31
07/09/05 16:23:14.0	27.33
07/09/05 16:53:14.0	27.36
07/09/05 17:23:14.0	27.38
07/09/05 17:53:14.0	26.89
07/09/05 18:23:14.0	26.92
07/09/05 18:53:14.0	26.94
07/09/05 19:23:14.0	26.89
07/09/05 19:53:14.0	26.94
07/09/05 20:23:14.0	26.92
07/09/05 20:53:14.0	26.99
07/09/05 21:23:14.0	27.09
07/09/05 21:53:14.0	27.06

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
07/09/05 22:23:14.0	27.11
07/09/05 22:53:14.0	27.11
07/09/05 23:23:14.0	26.74
07/09/05 23:53:14.0	26.84
07/10/05 00:23:14.0	26.92
07/10/05 00:53:14.0	27.14
07/10/05 01:23:14.0	27.16
07/10/05 01:53:14.0	26.65
07/10/05 02:23:14.0	26.09
07/10/05 02:53:14.0	26.23
07/10/05 03:23:14.0	26.23
07/10/05 03:53:14.0	26.04
07/10/05 04:23:14.0	25.72
07/10/05 04:53:14.0	25.79
07/10/05 05:23:14.0	25.65
07/10/05 05:53:14.0	25.31
07/10/05 06:23:14.0	24.80
07/10/05 06:53:14.0	24.36
07/10/05 07:23:14.0	24.27
07/10/05 07:53:14.0	24.32
07/10/05 08:23:14.0	24.32
07/10/05 08:53:14.0	24.36
07/10/05 09:23:14.0	24.39
07/10/05 09:53:14.0	24.46
07/10/05 10:23:14.0	24.58
07/10/05 10:53:14.0	24.68
07/10/05 11:23:14.0	24.82
07/10/05 11:53:14.0	25.09
07/10/05 12:23:14.0	25.40
07/10/05 12:53:14.0	26.13
07/10/05 13:23:14.0	26.40
07/10/05 13:53:14.0	26.97
07/10/05 14:23:14.0	27.65
07/10/05 14:53:14.0	27.43
07/10/05 15:23:14.0	25.89
07/10/05 15:53:14.0	26.26
07/10/05 16:23:14.0	27.19
07/10/05 16:53:14.0	28.10
07/10/05 17:23:14.0	28.15
07/10/05 17:53:14.0	27.97
07/10/05 18:23:14.0	27.92
07/10/05 18:53:14.0	27.80
07/10/05 19:23:14.0	27.80
07/10/05 19:53:14.0	27.80
07/10/05 20:23:14.0	27.78
07/10/05 20:53:14.0	27.85
07/10/05 21:23:14.0	27.95
07/10/05 21:53:14.0	28.02
07/10/05 22:23:14.0	27.88
07/10/05 22:53:14.0	27.26
07/10/05 23:23:14.0	26.84
07/10/05 23:53:14.0	26.55
07/11/05 00:23:14.0	26.45
07/11/05 00:53:14.0	26.40
07/11/05 01:23:14.0	26.33
07/11/05 01:53:14.0	26.26
07/11/05 02:23:14.0	26.26
07/11/05 02:53:14.0	26.21
07/11/05 03:23:14.0	26.11
07/11/05 03:53:14.0	26.09
07/11/05 04:23:14.0	26.04
07/11/05 04:53:14.0	25.79
07/11/05 05:23:14.0	25.45
07/11/05 05:53:14.0	25.57
07/11/05 06:23:14.0	25.53
07/11/05 06:53:14.0	25.48
07/11/05 07:23:14.0	24.70
07/11/05 07:53:14.0	24.77
07/11/05 08:23:14.0	24.82

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/11/05 08:53:14.0	24.97
07/11/05 09:23:14.0	25.07
07/11/05 09:53:14.0	25.43
07/11/05 10:23:14.0	25.33
07/11/05 10:53:14.0	25.04
07/11/05 11:23:14.0	25.09
07/11/05 11:53:14.0	24.70
07/11/05 12:23:14.0	24.73
07/11/05 12:53:14.0	24.70
07/11/05 13:23:14.0	24.80
07/11/05 13:53:14.0	24.85
07/11/05 14:23:14.0	24.90
07/11/05 14:53:14.0	24.94
07/11/05 15:23:14.0	24.99
07/11/05 15:53:14.0	25.04
07/11/05 16:23:14.0	25.09
07/11/05 16:53:14.0	25.09
07/11/05 17:23:14.0	25.11
07/11/05 17:53:14.0	25.07
07/11/05 18:23:14.0	25.02
07/11/05 18:53:14.0	24.90
07/11/05 19:23:14.0	24.90
07/11/05 19:53:14.0	24.92
07/11/05 20:23:14.0	24.90
07/11/05 20:53:14.0	24.90
07/11/05 21:23:14.0	24.87
07/11/05 21:53:14.0	24.87
07/11/05 22:23:14.0	24.85
07/11/05 22:53:14.0	24.80
07/11/05 23:23:14.0	24.63
07/11/05 23:53:14.0	24.44
07/12/05 00:23:14.0	24.48
07/12/05 00:53:14.0	24.34
07/12/05 01:23:14.0	24.27
07/12/05 01:53:14.0	24.22
07/12/05 02:23:14.0	24.15
07/12/05 02:53:14.0	24.12
07/12/05 03:23:14.0	23.71
07/12/05 03:53:14.0	23.62
07/12/05 04:23:14.0	23.64
07/12/05 04:53:14.0	23.64
07/12/05 05:23:14.0	23.67
07/12/05 05:53:14.0	23.69
07/12/05 06:23:14.0	23.71
07/12/05 06:53:14.0	23.74
07/12/05 07:23:14.0	23.76
07/12/05 07:53:14.0	23.76
07/12/05 08:23:14.0	23.79
07/12/05 08:53:14.0	23.86
07/12/05 09:23:14.0	23.91
07/12/05 09:53:14.0	24.03
07/12/05 10:23:14.0	24.07
07/12/05 10:53:14.0	24.17
07/12/05 11:23:14.0	24.22
07/12/05 11:53:14.0	24.34
07/12/05 12:23:14.0	24.44
07/12/05 12:53:14.0	24.48
07/12/05 13:23:14.0	24.56
07/12/05 13:53:14.0	24.61
07/12/05 14:23:14.0	24.65
07/12/05 14:53:14.0	24.70
07/12/05 15:23:14.0	24.75
07/12/05 15:53:14.0	24.80
07/12/05 16:23:14.0	24.80
07/12/05 16:53:14.0	24.82
07/12/05 17:23:14.0	24.85
07/12/05 17:53:14.0	24.85
07/12/05 18:23:14.0	24.87
07/12/05 18:53:14.0	24.87

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/12/05 19:23:14.0	25.65
07/12/05 19:53:14.0	25.79
07/12/05 20:23:14.0	26.16
07/12/05 20:53:14.0	26.70
07/12/05 21:23:14.0	26.92
07/12/05 21:53:14.0	27.21
07/12/05 22:23:14.0	27.21
07/12/05 22:53:14.0	27.24
07/12/05 23:23:14.0	27.38
07/12/05 23:53:14.0	27.46
07/13/05 00:23:14.0	27.38
07/13/05 00:53:14.0	27.33
07/13/05 01:23:14.0	27.38
07/13/05 01:53:14.0	27.36
07/13/05 02:23:14.0	26.87
07/13/05 02:53:14.0	26.74
07/13/05 03:23:14.0	26.74
07/13/05 03:53:14.0	27.11
07/13/05 04:23:14.0	27.21
07/13/05 04:53:14.0	27.16
07/13/05 05:23:14.0	27.51
07/13/05 05:53:14.0	27.28
07/13/05 06:23:14.0	27.41
07/13/05 06:53:14.0	27.14
07/13/05 07:23:14.0	26.97
07/13/05 07:53:14.0	26.84
07/13/05 08:23:14.0	27.26
07/13/05 08:53:14.0	27.46
07/13/05 09:23:14.0	26.21
07/13/05 09:53:14.0	26.16
07/13/05 10:23:14.0	26.40
07/13/05 10:53:14.0	26.35
07/13/05 11:23:14.0	26.38
07/13/05 11:53:14.0	26.50
07/13/05 12:23:14.0	26.67
07/13/05 12:53:14.0	26.62
07/13/05 13:23:14.0	26.94
07/13/05 13:53:14.0	26.92
07/13/05 14:23:14.0	26.97
07/13/05 14:53:14.0	26.99
07/13/05 15:23:14.0	27.06
07/13/05 15:53:14.0	27.19
07/13/05 16:23:14.0	27.31
07/13/05 16:53:14.0	27.73
07/13/05 17:23:14.0	27.75
07/13/05 17:53:14.0	27.80
07/13/05 18:23:14.0	27.75
07/13/05 18:53:14.0	27.68
07/13/05 19:23:14.0	27.68
07/13/05 19:53:14.0	27.63
07/13/05 20:23:14.0	27.60
07/13/05 20:53:14.0	27.58
07/13/05 21:23:14.0	27.55
07/13/05 21:53:14.0	27.33
07/13/05 22:23:14.0	27.33
07/13/05 22:53:14.0	27.26
07/13/05 23:23:14.0	27.21
07/13/05 23:53:14.0	27.21
07/14/05 00:23:14.0	27.21
07/14/05 00:53:14.0	27.28
07/14/05 01:23:14.0	27.28
07/14/05 01:53:14.0	27.16
07/14/05 02:23:14.0	26.94
07/14/05 02:53:14.0	26.87
07/14/05 03:23:14.0	26.87
07/14/05 03:53:14.0	26.55
07/14/05 04:23:14.0	26.62
07/14/05 04:53:14.0	26.52
07/14/05 05:23:14.0	26.60

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/14/05 05:53:14.0	26.77
07/14/05 06:23:14.0	26.87
07/14/05 06:53:14.0	26.70
07/14/05 07:23:14.0	26.77
07/14/05 07:53:14.0	26.84
07/14/05 08:23:14.0	26.92
07/14/05 08:53:14.0	26.97
07/14/05 09:23:14.0	27.04
07/14/05 09:53:14.0	27.09
07/14/05 10:23:14.0	27.09
07/14/05 10:53:14.0	27.14
07/14/05 11:23:14.0	27.16
07/14/05 11:53:14.0	27.21
07/14/05 12:23:14.0	27.63
07/14/05 12:53:14.0	27.65
07/14/05 13:23:14.0	27.43
07/14/05 13:53:14.0	27.53
07/14/05 14:23:14.0	27.83
07/14/05 14:53:14.0	27.83
07/14/05 15:23:14.0	27.68
07/14/05 15:53:14.0	27.63
07/14/05 16:23:14.0	27.65
07/14/05 16:53:14.0	27.63
07/14/05 17:23:14.0	27.60
07/14/05 17:53:14.0	27.60
07/14/05 18:23:14.0	27.60
07/14/05 18:53:14.0	27.60
07/14/05 19:23:14.0	27.58
07/14/05 19:53:14.0	27.60
07/14/05 20:23:14.0	27.46
07/14/05 20:53:14.0	27.41
07/14/05 21:23:14.0	27.24
07/14/05 21:53:14.0	27.24
07/14/05 22:23:14.0	27.19
07/14/05 22:53:14.0	27.16
07/14/05 23:23:14.0	27.24
07/14/05 23:53:14.0	27.24
07/15/05 00:23:14.0	27.26
07/15/05 00:53:14.0	27.26
07/15/05 01:23:14.0	27.26
07/15/05 01:53:14.0	27.16
07/15/05 02:23:14.0	27.01
07/15/05 02:53:14.0	27.04
07/15/05 03:23:14.0	27.09
07/15/05 03:53:14.0	27.14
07/15/05 04:23:14.0	27.09
07/15/05 04:53:14.0	27.14
07/15/05 05:23:14.0	27.16
07/15/05 05:53:14.0	27.21
07/15/05 06:23:14.0	26.65
07/15/05 06:53:14.0	25.99
07/15/05 07:23:14.0	25.48
07/15/05 07:53:14.0	25.55
07/15/05 08:23:14.0	25.57
07/15/05 08:53:14.0	25.55
07/15/05 09:23:14.0	25.33
07/15/05 09:53:14.0	25.40
07/15/05 10:23:14.0	25.43
07/15/05 10:53:14.0	25.36
07/15/05 11:23:14.0	25.40
07/15/05 11:53:14.0	25.55
07/15/05 12:23:14.0	25.57
07/15/05 12:53:14.0	25.60
07/15/05 13:23:14.0	25.57
07/15/05 13:53:14.0	25.65
07/15/05 14:23:14.0	25.72
07/15/05 14:53:14.0	25.77
07/15/05 15:23:14.0	25.89
07/15/05 15:53:14.0	25.99

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/15/05 16:23:14.0	26.04
07/15/05 16:53:14.0	26.01
07/15/05 17:23:14.0	26.21
07/15/05 17:53:14.0	26.11
07/15/05 18:23:14.0	26.13
07/15/05 18:53:14.0	26.16
07/15/05 19:23:14.0	26.21
07/15/05 19:53:14.0	26.23
07/15/05 20:23:14.0	26.28
07/15/05 20:53:14.0	26.30
07/15/05 21:23:14.0	26.38
07/15/05 21:53:14.0	26.35
07/15/05 22:23:14.0	26.38
07/15/05 22:53:14.0	26.43
07/15/05 23:23:14.0	26.50
07/15/05 23:53:14.0	25.96
07/16/05 00:23:14.0	25.99
07/16/05 00:53:14.0	25.96
07/16/05 01:23:14.0	26.01
07/16/05 01:53:14.0	25.99
07/16/05 02:23:14.0	26.01
07/16/05 02:53:14.0	26.04
07/16/05 03:23:14.0	26.06
07/16/05 03:53:14.0	26.09
07/16/05 04:23:14.0	26.11
07/16/05 04:53:14.0	26.18
07/16/05 05:23:14.0	26.13
07/16/05 05:53:14.0	26.18
07/16/05 06:23:14.0	26.16
07/16/05 06:53:14.0	25.91
07/16/05 07:23:14.0	25.99
07/16/05 07:53:14.0	25.84
07/16/05 08:23:14.0	25.67
07/16/05 08:53:14.0	25.70
07/16/05 09:23:14.0	25.74
07/16/05 09:53:14.0	25.77
07/16/05 10:23:14.0	25.74
07/16/05 10:53:14.0	25.79
07/16/05 11:23:14.0	25.87
07/16/05 11:53:14.0	25.91
07/16/05 12:23:14.0	25.96
07/16/05 12:53:14.0	26.01
07/16/05 13:23:14.0	26.06
07/16/05 13:53:14.0	26.11
07/16/05 14:23:14.0	26.11
07/16/05 14:53:14.0	26.18
07/16/05 15:23:14.0	26.26
07/16/05 15:53:14.0	26.28
07/16/05 16:23:14.0	26.30
07/16/05 16:53:14.0	26.33
07/16/05 17:23:14.0	26.33
07/16/05 17:53:14.0	26.38
07/16/05 18:23:14.0	26.40
07/16/05 18:53:14.0	26.45
07/16/05 19:23:14.0	26.45
07/16/05 19:53:14.0	26.57
07/16/05 20:23:14.0	26.57
07/16/05 20:53:14.0	26.55
07/16/05 21:23:14.0	26.60
07/16/05 21:53:14.0	26.62
07/16/05 22:23:14.0	26.62
07/16/05 22:53:14.0	26.72
07/16/05 23:23:14.0	26.72
07/16/05 23:53:14.0	26.72
07/17/05 00:23:14.0	26.72
07/17/05 00:53:14.0	26.77
07/17/05 01:23:14.0	26.77
07/17/05 01:53:14.0	26.57
07/17/05 02:23:14.0	26.60

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/17/05 02:53:14.0	26.62
07/17/05 03:23:14.0	26.11
07/17/05 03:53:14.0	26.06
07/17/05 04:23:14.0	25.99
07/17/05 04:53:14.0	26.04
07/17/05 05:23:14.0	26.06
07/17/05 05:53:14.0	26.06
07/17/05 06:23:14.0	26.11
07/17/05 06:53:14.0	26.13
07/17/05 07:23:14.0	26.04
07/17/05 07:53:14.0	26.09
07/17/05 08:23:14.0	26.06
07/17/05 08:53:14.0	26.11
07/17/05 09:23:14.0	26.18
07/17/05 09:53:14.0	26.23
07/17/05 10:23:14.0	26.28
07/17/05 10:53:14.0	26.23
07/17/05 11:23:14.0	26.23
07/17/05 11:53:14.0	26.23
07/17/05 12:23:14.0	26.18
07/17/05 12:53:14.0	26.23
07/17/05 13:23:14.0	26.30
07/17/05 13:53:14.0	26.33
07/17/05 14:23:14.0	26.40
07/17/05 14:53:14.0	26.40
07/17/05 15:23:14.0	26.48
07/17/05 15:53:14.0	26.52
07/17/05 16:23:14.0	26.55
07/17/05 16:53:14.0	26.57
07/17/05 17:23:14.0	26.67
07/17/05 17:53:14.0	26.77
07/17/05 18:23:14.0	26.74
07/17/05 18:53:14.0	26.79
07/17/05 19:23:14.0	26.79
07/17/05 19:53:14.0	26.87
07/17/05 20:23:14.0	26.84
07/17/05 20:53:14.0	26.89
07/17/05 21:23:14.0	26.92
07/17/05 21:53:14.0	27.01
07/17/05 22:23:14.0	27.01
07/17/05 22:53:14.0	26.99
07/17/05 23:23:14.0	27.19
07/17/05 23:53:14.0	26.84
07/18/05 00:23:14.0	26.70
07/18/05 00:53:14.0	26.72
07/18/05 01:23:14.0	26.70
07/18/05 01:53:14.0	26.77
07/18/05 02:23:14.0	26.57
07/18/05 02:53:14.0	26.62
07/18/05 03:23:14.0	26.65
07/18/05 03:53:14.0	26.65
07/18/05 04:23:14.0	26.52
07/18/05 04:53:14.0	26.57
07/18/05 05:23:14.0	26.55
07/18/05 05:53:14.0	26.57
07/18/05 06:23:14.0	26.57
07/18/05 06:53:14.0	26.60
07/18/05 07:23:14.0	26.62
07/18/05 07:53:14.0	26.60
07/18/05 08:23:14.0	26.62
07/18/05 08:53:14.0	26.67
07/18/05 09:23:14.0	26.70
07/18/05 09:53:14.0	26.72
07/18/05 10:23:14.0	26.74
07/18/05 10:53:14.0	26.77
07/18/05 11:23:14.0	26.87
07/18/05 11:53:14.0	26.92
07/18/05 12:23:14.0	26.94
07/18/05 12:53:14.0	26.97

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/18/05 13:23:14.0	26.99
07/18/05 13:53:14.0	27.09
07/18/05 14:23:14.0	27.11
07/18/05 14:53:14.0	26.57
07/18/05 15:23:14.0	26.62
07/18/05 15:53:14.0	26.65
07/18/05 16:23:14.0	26.67
07/18/05 16:53:14.0	26.70
07/18/05 17:23:14.0	26.72
07/18/05 17:53:14.0	26.72
07/18/05 18:23:14.0	26.77
07/18/05 18:53:14.0	26.97
07/18/05 19:23:14.0	26.92
07/18/05 19:53:14.0	26.94
07/18/05 20:23:14.0	27.01
07/18/05 20:53:14.0	27.11
07/18/05 21:23:14.0	27.16
07/18/05 21:53:14.0	27.19
07/18/05 22:23:14.0	27.33
07/18/05 22:53:14.0	27.33
07/18/05 23:23:14.0	27.73
07/18/05 23:53:14.0	27.68
07/19/05 00:23:14.0	27.85
07/19/05 00:53:14.0	27.48
07/19/05 01:23:14.0	26.79
07/19/05 01:53:14.0	26.70
07/19/05 02:23:14.0	26.67
07/19/05 02:53:14.0	26.70
07/19/05 03:23:14.0	26.77
07/19/05 03:53:14.0	26.79
07/19/05 04:23:14.0	26.82
07/19/05 04:53:14.0	26.84
07/19/05 05:23:14.0	26.97
07/19/05 05:53:14.0	26.99
07/19/05 06:23:14.0	27.04
07/19/05 06:53:14.0	27.11
07/19/05 07:23:14.0	27.21
07/19/05 07:53:14.0	27.33
07/19/05 08:23:14.0	27.43
07/19/05 08:53:14.0	27.58
07/19/05 09:23:14.0	27.65
07/19/05 09:53:14.0	27.51
07/19/05 10:23:14.0	27.58
07/19/05 10:53:14.0	27.75
07/19/05 11:23:14.0	27.88
07/19/05 11:53:14.0	27.97
07/19/05 12:23:14.0	28.12
07/19/05 12:53:14.0	28.07
07/19/05 13:23:14.0	28.17
07/19/05 13:53:14.0	28.20
07/19/05 14:23:14.0	28.10
07/19/05 14:53:14.0	28.32
07/19/05 15:23:14.0	28.47
07/19/05 15:53:14.0	28.54
07/19/05 16:23:14.0	28.52
07/19/05 16:53:14.0	28.52
07/19/05 17:23:14.0	28.57
07/19/05 17:53:14.0	28.57
07/19/05 18:23:14.0	28.52
07/19/05 18:53:14.0	28.44
07/19/05 19:23:14.0	28.17
07/19/05 19:53:14.0	28.15
07/19/05 20:23:14.0	28.27
07/19/05 20:53:14.0	28.32
07/19/05 21:23:14.0	28.27
07/19/05 21:53:14.0	28.35
07/19/05 22:23:14.0	28.37
07/19/05 22:53:14.0	28.44
07/19/05 23:23:14.0	28.15

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (°C)**
07/19/05 23:53:14.0	28.02
07/20/05 00:23:14.0	27.65
07/20/05 00:53:14.0	27.83
07/20/05 01:23:14.0	27.90
07/20/05 01:53:14.0	28.02
07/20/05 02:23:14.0	28.02
07/20/05 02:53:14.0	28.07
07/20/05 03:23:14.0	28.12
07/20/05 03:53:14.0	28.15
07/20/05 04:23:14.0	28.15
07/20/05 04:53:14.0	28.20
07/20/05 05:23:14.0	28.25
07/20/05 05:53:14.0	28.35
07/20/05 06:23:14.0	28.42
07/20/05 06:53:14.0	28.42
07/20/05 07:23:14.0	28.37
07/20/05 07:53:14.0	28.22
07/20/05 08:23:14.0	28.39
07/20/05 08:53:14.0	28.39
07/20/05 09:23:14.0	28.47
07/20/05 09:53:14.0	28.59
07/20/05 10:23:14.0	28.59
07/20/05 10:53:14.0	28.49
07/20/05 11:23:14.0	28.42
07/20/05 11:53:14.0	28.49
07/20/05 12:23:14.0	28.17
07/20/05 12:53:14.0	27.88
07/20/05 13:23:14.0	27.88
07/20/05 13:53:14.0	27.95
07/20/05 14:23:14.0	28.07
07/20/05 14:53:14.0	28.15
07/20/05 15:23:14.0	28.00
07/20/05 15:53:14.0	28.10
07/20/05 16:23:14.0	28.47
07/20/05 16:53:14.0	28.54
07/20/05 17:23:14.0	28.64
07/20/05 17:53:14.0	28.72
07/20/05 18:23:14.0	28.77
07/20/05 18:53:14.0	28.77
07/20/05 19:23:14.0	28.74
07/20/05 19:53:14.0	28.74
07/20/05 20:23:14.0	28.72
07/20/05 20:53:14.0	28.74
07/20/05 21:23:14.0	28.74
07/20/05 21:53:14.0	28.74
07/20/05 22:23:14.0	28.77
07/20/05 22:53:14.0	28.79
07/20/05 23:23:14.0	28.87
07/20/05 23:53:14.0	28.94
07/21/05 00:23:14.0	28.77
07/21/05 00:53:14.0	28.92
07/21/05 01:23:14.0	28.99
07/21/05 01:53:14.0	28.99
07/21/05 02:23:14.0	28.99
07/21/05 02:53:14.0	28.94
07/21/05 03:23:14.0	28.97
07/21/05 03:53:14.0	28.99
07/21/05 04:23:14.0	28.99
07/21/05 04:53:14.0	28.99
07/21/05 05:23:14.0	28.97
07/21/05 05:53:14.0	28.94
07/21/05 06:23:14.0	28.94
07/21/05 06:53:14.0	28.97
07/21/05 07:23:14.0	28.97
07/21/05 07:53:14.0	28.97
07/21/05 08:23:14.0	28.97
07/21/05 08:53:14.0	28.97
07/21/05 09:23:14.0	28.99
07/21/05 09:53:14.0	28.99

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/21/05 10:23:14.0	29.02
07/21/05 10:53:14.0	29.04
07/21/05 11:23:14.0	29.12
07/21/05 11:53:14.0	29.12
07/21/05 12:23:14.0	29.34
07/21/05 12:53:14.0	29.46
07/21/05 13:23:14.0	29.52
07/21/05 13:53:14.0	29.54
07/21/05 14:23:14.0	29.54
07/21/05 14:53:14.0	29.57
07/21/05 15:23:14.0	29.54
07/21/05 15:53:14.0	29.57
07/21/05 16:23:14.0	29.54
07/21/05 16:53:14.0	28.67
07/21/05 17:23:14.0	28.62
07/21/05 17:53:14.0	28.67
07/21/05 18:23:14.0	28.64
07/21/05 18:53:14.0	28.44
07/21/05 19:23:14.0	28.25
07/21/05 19:53:14.0	28.27
07/21/05 20:23:14.0	28.32
07/21/05 20:53:14.0	28.37
07/21/05 21:23:14.0	28.35
07/21/05 21:53:14.0	28.35
07/21/05 22:23:14.0	28.35
07/21/05 22:53:14.0	28.37
07/21/05 23:23:14.0	28.39
07/21/05 23:53:14.0	28.42
07/22/05 00:23:14.0	28.47
07/22/05 00:53:14.0	28.49
07/22/05 01:23:14.0	28.52
07/22/05 01:53:14.0	28.52
07/22/05 02:23:14.0	28.52
07/22/05 02:53:14.0	28.52
07/22/05 03:23:14.0	28.54
07/22/05 03:53:14.0	28.54
07/22/05 04:23:14.0	28.57
07/22/05 04:53:14.0	28.74
07/22/05 05:23:14.0	28.87
07/22/05 05:53:14.0	28.89
07/22/05 06:23:14.0	28.89
07/22/05 06:53:14.0	28.89
07/22/05 07:23:14.0	28.92
07/22/05 07:53:14.0	28.92
07/22/05 08:23:14.0	28.94
07/22/05 08:53:14.0	28.97
07/22/05 09:23:14.0	28.97
07/22/05 09:53:14.0	28.99
07/22/05 10:23:14.0	28.97
07/22/05 10:53:14.0	28.99
07/22/05 11:23:14.0	29.04
07/22/05 11:53:14.0	29.09
07/22/05 12:23:14.0	29.09
07/22/05 12:53:14.0	29.14
07/22/05 13:23:14.0	29.14
07/22/05 13:53:14.0	29.19
07/22/05 14:23:14.0	29.19
07/22/05 14:53:14.0	29.22
07/22/05 15:23:14.0	29.22
07/22/05 15:53:14.0	29.27
07/22/05 16:23:14.0	29.27
07/22/05 16:53:14.0	29.27
07/22/05 17:23:14.0	29.27
07/22/05 17:53:14.0	29.29
07/22/05 18:23:14.0	29.32
07/22/05 18:53:14.0	29.29
07/22/05 19:23:14.0	29.29
07/22/05 19:53:14.0	29.29
07/22/05 20:23:14.0	29.29

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/22/05 20:53:14.0	29.27
07/22/05 21:23:14.0	29.27
07/22/05 21:53:14.0	29.27
07/22/05 22:23:14.0	29.27
07/22/05 22:53:14.0	29.27
07/22/05 23:23:14.0	29.29
07/22/05 23:53:14.0	29.27
07/23/05 00:23:14.0	29.24
07/23/05 00:53:14.0	29.29
07/23/05 01:23:14.0	29.27
07/23/05 01:53:14.0	29.29
07/23/05 02:23:14.0	29.24
07/23/05 02:53:14.0	29.27
07/23/05 03:23:14.0	29.27
07/23/05 03:53:14.0	29.27
07/23/05 04:23:14.0	28.62
07/23/05 04:53:14.0	28.72
07/23/05 05:23:14.0	28.62
07/23/05 05:53:14.0	28.44
07/23/05 06:23:14.0	28.44
07/23/05 06:53:14.0	28.49
07/23/05 07:23:14.0	28.25
07/23/05 07:53:14.0	28.07
07/23/05 08:23:14.0	28.15
07/23/05 08:53:14.0	28.17
07/23/05 09:23:14.0	28.22
07/23/05 09:53:14.0	28.30
07/23/05 10:23:14.0	28.35
07/23/05 10:53:14.0	28.64
07/23/05 11:23:14.0	28.59
07/23/05 11:53:14.0	28.72
07/23/05 12:23:14.0	28.84
07/23/05 12:53:14.0	28.99
07/23/05 13:23:14.0	29.34
07/23/05 13:53:14.0	29.54
07/23/05 14:23:14.0	29.52
07/23/05 14:53:14.0	29.49
07/23/05 15:23:14.0	29.52
07/23/05 15:53:14.0	29.54
07/23/05 16:23:14.0	29.57
07/23/05 16:53:14.0	29.59
07/23/05 17:23:14.0	29.57
07/23/05 17:53:14.0	29.52
07/23/05 18:23:14.0	29.49
07/23/05 18:53:14.0	29.49
07/23/05 19:23:14.0	29.52
07/23/05 19:53:14.0	29.49
07/23/05 20:23:14.0	29.46
07/23/05 20:53:14.0	29.46
07/23/05 21:23:14.0	29.41
07/23/05 21:53:14.0	29.39
07/23/05 22:23:14.0	29.34
07/23/05 22:53:14.0	29.29
07/23/05 23:23:14.0	29.04
07/23/05 23:53:14.0	29.02
07/24/05 00:23:14.0	29.07
07/24/05 00:53:14.0	29.12
07/24/05 01:23:14.0	29.07
07/24/05 01:53:14.0	28.97
07/24/05 02:23:14.0	29.32
07/24/05 02:53:14.0	29.32
07/24/05 03:23:14.0	29.29
07/24/05 03:53:14.0	29.24
07/24/05 04:23:14.0	29.27
07/24/05 04:53:14.0	29.27
07/24/05 05:23:14.0	29.29
07/24/05 05:53:14.0	29.32
07/24/05 06:23:14.0	29.37
07/24/05 06:53:14.0	29.34

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/24/05 07:23:14.0	29.39
07/24/05 07:53:14.0	29.49
07/24/05 08:23:14.0	29.52
07/24/05 08:53:14.0	29.54
07/24/05 09:23:14.0	29.57
07/24/05 09:53:14.0	29.59
07/24/05 10:23:14.0	29.62
07/24/05 10:53:14.0	29.64
07/24/05 11:23:14.0	29.64
07/24/05 11:53:14.0	29.62
07/24/05 12:23:14.0	29.59
07/24/05 12:53:14.0	29.62
07/24/05 13:23:14.0	29.64
07/24/05 13:53:14.0	29.69
07/24/05 14:23:14.0	29.74
07/24/05 14:53:14.0	29.77
07/24/05 15:23:14.0	29.74
07/24/05 15:53:14.0	29.69
07/24/05 16:23:14.0	29.59
07/24/05 16:53:14.0	29.57
07/24/05 17:23:14.0	29.34
07/24/05 17:53:14.0	29.24
07/24/05 18:23:14.0	28.87
07/24/05 18:53:14.0	28.62
07/24/05 19:23:14.0	28.54
07/24/05 19:53:14.0	28.52
07/24/05 20:23:14.0	28.44
07/24/05 20:53:14.0	28.47
07/24/05 21:23:14.0	28.52
07/24/05 21:53:14.0	28.35
07/24/05 22:23:14.0	28.17
07/24/05 22:53:14.0	28.22
07/24/05 23:23:14.0	28.39
07/24/05 23:53:14.0	28.54
07/25/05 00:23:14.0	28.57
07/25/05 00:53:14.0	28.69
07/25/05 01:23:14.0	29.14
07/25/05 01:53:14.0	29.19
07/25/05 02:23:14.0	29.22
07/25/05 02:53:14.0	29.19
07/25/05 03:23:14.0	29.22
07/25/05 03:53:14.0	28.99
07/25/05 04:23:14.0	29.07
07/25/05 04:53:14.0	29.04
07/25/05 05:23:14.0	29.07
07/25/05 05:53:14.0	29.14
07/25/05 06:23:14.0	29.17
07/25/05 06:53:14.0	29.17
07/25/05 07:23:14.0	29.37
07/25/05 07:53:14.0	29.44
07/25/05 08:23:14.0	29.49
07/25/05 08:53:14.0	29.52
07/25/05 09:23:14.0	29.52
07/25/05 09:53:14.0	29.54
07/25/05 10:23:14.0	29.52
07/25/05 10:53:14.0	29.54
07/25/05 11:23:14.0	29.49
07/25/05 11:53:14.0	29.54
07/25/05 12:23:14.0	29.54
07/25/05 12:53:14.0	29.57
07/25/05 13:23:14.0	29.59
07/25/05 13:53:14.0	29.59
07/25/05 14:23:14.0	29.59
07/25/05 14:53:14.0	29.59
07/25/05 15:23:14.0	29.57
07/25/05 15:53:14.0	29.54
07/25/05 16:23:14.0	29.52
07/25/05 16:53:14.0	29.46
07/25/05 17:23:14.0	29.49

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/25/05 17:53:14.0	29.52
07/25/05 18:23:14.0	29.46
07/25/05 18:53:14.0	29.37
07/25/05 19:23:14.0	29.34
07/25/05 19:53:14.0	29.29
07/25/05 20:23:14.0	29.29
07/25/05 20:53:14.0	29.19
07/25/05 21:23:14.0	29.22
07/25/05 21:53:14.0	29.29
07/25/05 22:23:14.0	29.37
07/25/05 22:53:14.0	29.34
07/25/05 23:23:14.0	29.34
07/25/05 23:53:14.0	29.37
07/26/05 00:23:14.0	29.39
07/26/05 00:53:14.0	29.39
07/26/05 01:23:14.0	29.41
07/26/05 01:53:14.0	29.44
07/26/05 02:23:14.0	29.44
07/26/05 02:53:14.0	29.46
07/26/05 03:23:14.0	29.46
07/26/05 03:53:14.0	29.46
07/26/05 04:23:14.0	29.44
07/26/05 04:53:14.0	29.39
07/26/05 05:23:14.0	29.41
07/26/05 05:53:14.0	29.41
07/26/05 06:23:14.0	29.41
07/26/05 06:53:14.0	29.41
07/26/05 07:23:14.0	29.41
07/26/05 07:53:14.0	29.44
07/26/05 08:23:14.0	29.46
07/26/05 08:53:14.0	29.46
07/26/05 09:23:14.0	29.49
07/26/05 09:53:14.0	29.52
07/26/05 10:23:14.0	29.54
07/26/05 10:53:14.0	29.57
07/26/05 11:23:14.0	29.57
07/26/05 11:53:14.0	29.64
07/26/05 12:23:14.0	29.69
07/26/05 12:53:14.0	29.72
07/26/05 13:23:14.0	29.64
07/26/05 13:53:14.0	29.64
07/26/05 14:23:14.0	29.64
07/26/05 14:53:14.0	29.64
07/26/05 15:23:14.0	29.64
07/26/05 15:53:14.0	29.67
07/26/05 16:23:14.0	29.62
07/26/05 16:53:14.0	29.62
07/26/05 17:23:14.0	29.59
07/26/05 17:53:14.0	29.59
07/26/05 18:23:14.0	29.57
07/26/05 18:53:14.0	29.57
07/26/05 19:23:14.0	29.57
07/26/05 19:53:14.0	29.57
07/26/05 20:23:14.0	29.57
07/26/05 20:53:14.0	29.57
07/26/05 21:23:14.0	29.54
07/26/05 21:53:14.0	29.52
07/26/05 22:23:14.0	29.44
07/26/05 22:53:14.0	29.39
07/26/05 23:23:14.0	29.39
07/26/05 23:53:14.0	29.39
07/27/05 00:23:14.0	29.39
07/27/05 00:53:14.0	29.39
07/27/05 01:23:14.0	29.41
07/27/05 01:53:14.0	29.41
07/27/05 02:23:14.0	29.41
07/27/05 02:53:14.0	29.49
07/27/05 03:23:14.0	29.46
07/27/05 03:53:14.0	29.44

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/27/05 04:23:14.0	29.54
07/27/05 04:53:14.0	29.54
07/27/05 05:23:14.0	29.49
07/27/05 05:53:14.0	29.41
07/27/05 06:23:14.0	29.34
07/27/05 06:53:14.0	29.32
07/27/05 07:23:14.0	29.32
07/27/05 07:53:14.0	29.37
07/27/05 08:23:14.0	29.41
07/27/05 08:53:14.0	29.49
07/27/05 09:23:14.0	29.52
07/27/05 09:53:14.0	29.49
07/27/05 10:23:14.0	29.46
07/27/05 10:53:14.0	29.52
07/27/05 11:23:14.0	29.54
07/27/05 11:53:14.0	29.57
07/27/05 12:23:14.0	29.64
07/27/05 12:53:14.0	29.67
07/27/05 13:23:14.0	29.77
07/27/05 13:53:14.0	29.89
07/27/05 14:23:14.0	29.94
07/27/05 14:53:14.0	29.94
07/27/05 15:23:14.0	29.97
07/27/05 15:53:14.0	29.94
07/27/05 16:23:14.0	29.89
07/27/05 16:53:14.0	29.89
07/27/05 17:23:14.0	29.87
07/27/05 17:53:14.0	29.84
07/27/05 18:23:14.0	29.82
07/27/05 18:53:14.0	29.82
07/27/05 19:23:14.0	29.79
07/27/05 19:53:14.0	29.77
07/27/05 20:23:14.0	29.74
07/27/05 20:53:14.0	29.72
07/27/05 21:23:14.0	29.69
07/27/05 21:53:14.0	29.67
07/27/05 22:23:14.0	29.64
07/27/05 22:53:14.0	29.62
07/27/05 23:23:14.0	29.59
07/27/05 23:53:14.0	29.59
07/28/05 00:23:14.0	29.59
07/28/05 00:53:14.0	29.59
07/28/05 01:23:14.0	29.59
07/28/05 01:53:14.0	29.59
07/28/05 02:23:14.0	29.59
07/28/05 02:53:14.0	29.59
07/28/05 03:23:14.0	29.59
07/28/05 03:53:14.0	29.59
07/28/05 04:23:14.0	29.59
07/28/05 04:53:14.0	29.59
07/28/05 05:23:14.0	29.62
07/28/05 05:53:14.0	29.59
07/28/05 06:23:14.0	29.54
07/28/05 06:53:14.0	29.46
07/28/05 07:23:14.0	29.46
07/28/05 07:53:14.0	29.49
07/28/05 08:23:14.0	29.62
07/28/05 08:53:14.0	29.59
07/28/05 09:23:14.0	29.57
07/28/05 09:53:14.0	29.54
07/28/05 10:23:14.0	29.57
07/28/05 10:53:14.0	29.59
07/28/05 11:23:14.0	29.67
07/28/05 11:53:14.0	29.64
07/28/05 12:23:14.0	29.64
07/28/05 12:53:14.0	29.74
07/28/05 13:23:14.0	29.79
07/28/05 13:53:14.0	29.79
07/28/05 14:23:14.0	29.82

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/28/05 14:53:14.0	29.79
07/28/05 15:23:14.0	29.74
07/28/05 15:53:14.0	29.69
07/28/05 16:23:14.0	29.72
07/28/05 16:53:14.0	29.69
07/28/05 17:23:14.0	29.72
07/28/05 17:53:14.0	29.72
07/28/05 18:23:14.0	29.69
07/28/05 18:53:14.0	29.67
07/28/05 19:23:14.0	29.64
07/28/05 19:53:14.0	29.64
07/28/05 20:23:14.0	29.62
07/28/05 20:53:14.0	29.54
07/28/05 21:23:14.0	29.52
07/28/05 21:53:14.0	29.49
07/28/05 22:23:14.0	29.49
07/28/05 22:53:14.0	29.49
07/28/05 23:23:14.0	29.54
07/28/05 23:53:14.0	29.59
07/29/05 00:23:14.0	29.62
07/29/05 00:53:14.0	29.67
07/29/05 01:23:14.0	29.64
07/29/05 01:53:14.0	29.64
07/29/05 02:23:14.0	29.69
07/29/05 02:53:14.0	29.67
07/29/05 03:23:14.0	29.69
07/29/05 03:53:14.0	29.74
07/29/05 04:23:14.0	29.77
07/29/05 04:53:14.0	29.82
07/29/05 05:23:14.0	29.84
07/29/05 05:53:14.0	29.84
07/29/05 06:23:14.0	29.87
07/29/05 06:53:14.0	29.89
07/29/05 07:23:14.0	29.89
07/29/05 07:53:14.0	29.89
07/29/05 08:23:14.0	29.82
07/29/05 08:53:14.0	29.67
07/29/05 09:23:14.0	29.79
07/29/05 09:53:14.0	29.92
07/29/05 10:23:14.0	29.89
07/29/05 10:53:14.0	29.92
07/29/05 11:23:14.0	29.99
07/29/05 11:53:14.0	29.94
07/29/05 12:23:14.0	29.97
07/29/05 12:53:14.0	29.92
07/29/05 13:23:14.0	29.94
07/29/05 13:53:14.0	29.92
07/29/05 14:23:14.0	29.92
07/29/05 14:53:14.0	29.94
07/29/05 15:23:14.0	29.92
07/29/05 15:53:14.0	29.87
07/29/05 16:23:14.0	29.74
07/29/05 16:53:14.0	29.69
07/29/05 17:23:14.0	29.72
07/29/05 17:53:14.0	29.72
07/29/05 18:23:14.0	29.69
07/29/05 18:53:14.0	29.69
07/29/05 19:23:14.0	29.64
07/29/05 19:53:14.0	29.34
07/29/05 20:23:14.0	29.24
07/29/05 20:53:14.0	29.24
07/29/05 21:23:14.0	29.29
07/29/05 21:53:14.0	29.37
07/29/05 22:23:14.0	29.44
07/29/05 22:53:14.0	29.49
07/29/05 23:23:14.0	29.57
07/29/05 23:53:14.0	29.52
07/30/05 00:23:14.0	29.52
07/30/05 00:53:14.0	29.52

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/30/05 01:23:14.0	29.52
07/30/05 01:53:14.0	29.54
07/30/05 02:23:14.0	29.54
07/30/05 02:53:14.0	29.54
07/30/05 03:23:14.0	29.54
07/30/05 03:53:14.0	29.54
07/30/05 04:23:14.0	29.57
07/30/05 04:53:14.0	29.59
07/30/05 05:23:14.0	29.59
07/30/05 05:53:14.0	29.59
07/30/05 06:23:14.0	29.62
07/30/05 06:53:14.0	29.62
07/30/05 07:23:14.0	29.62
07/30/05 07:53:14.0	29.62
07/30/05 08:23:14.0	29.62
07/30/05 08:53:14.0	29.64
07/30/05 09:23:14.0	29.67
07/30/05 09:53:14.0	29.69
07/30/05 10:23:14.0	29.67
07/30/05 10:53:14.0	29.67
07/30/05 11:23:14.0	29.67
07/30/05 11:53:14.0	29.59
07/30/05 12:23:14.0	29.37
07/30/05 12:53:14.0	29.17
07/30/05 13:23:14.0	29.22
07/30/05 13:53:14.0	29.24
07/30/05 14:23:14.0	29.34
07/30/05 14:53:14.0	29.39
07/30/05 15:23:14.0	29.32
07/30/05 15:53:14.0	29.39
07/30/05 16:23:14.0	29.41
07/30/05 16:53:14.0	29.41
07/30/05 17:23:14.0	29.41
07/30/05 17:53:14.0	29.49
07/30/05 18:23:14.0	29.52
07/30/05 18:53:14.0	29.52
07/30/05 19:23:14.0	29.54
07/30/05 19:53:14.0	29.57
07/30/05 20:23:14.0	29.62
07/30/05 20:53:14.0	29.74
07/30/05 21:23:14.0	29.77
07/30/05 21:53:14.0	29.77
07/30/05 22:23:14.0	29.79
07/30/05 22:53:14.0	29.82
07/30/05 23:23:14.0	29.84
07/30/05 23:53:14.0	29.89
07/31/05 00:23:14.0	29.79
07/31/05 00:53:14.0	29.64
07/31/05 01:23:14.0	29.69
07/31/05 01:53:14.0	29.67
07/31/05 02:23:14.0	29.67
07/31/05 02:53:14.0	29.69
07/31/05 03:23:14.0	29.69
07/31/05 03:53:14.0	29.41
07/31/05 04:23:14.0	29.46
07/31/05 04:53:14.0	29.39
07/31/05 05:23:14.0	29.41
07/31/05 05:53:14.0	29.44
07/31/05 06:23:14.0	29.44
07/31/05 06:53:14.0	29.44
07/31/05 07:23:14.0	29.46
07/31/05 07:53:14.0	29.49
07/31/05 08:23:14.0	29.49
07/31/05 08:53:14.0	29.54
07/31/05 09:23:14.0	29.52
07/31/05 09:53:14.0	29.54
07/31/05 10:23:14.0	29.62
07/31/05 10:53:14.0	29.62
07/31/05 11:23:14.0	29.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
07/31/05 11:53:14.0	29.64
07/31/05 12:23:14.0	29.69
07/31/05 12:53:14.0	29.82
07/31/05 13:23:14.0	29.82
07/31/05 13:53:14.0	29.84
07/31/05 14:23:14.0	29.87
07/31/05 14:53:14.0	29.84
07/31/05 15:23:14.0	29.79
07/31/05 15:53:14.0	29.84
07/31/05 16:23:14.0	29.82
07/31/05 16:53:14.0	29.82
07/31/05 17:23:14.0	29.84
07/31/05 17:53:14.0	29.82
07/31/05 18:23:14.0	29.82
07/31/05 18:53:14.0	29.82
07/31/05 19:23:14.0	29.82
07/31/05 19:53:14.0	29.82
07/31/05 20:23:14.0	29.84
07/31/05 20:53:14.0	29.87
07/31/05 21:23:14.0	29.87
07/31/05 21:53:14.0	29.87
07/31/05 22:23:14.0	29.87
07/31/05 22:53:14.0	29.82
07/31/05 23:23:14.0	29.82
07/31/05 23:53:14.0	29.79
08/01/05 00:23:14.0	29.79
08/01/05 00:53:14.0	29.79
08/01/05 01:23:14.0	29.84
08/01/05 01:53:14.0	29.82
08/01/05 02:23:14.0	29.77
08/01/05 02:53:14.0	29.62
08/01/05 03:23:14.0	29.62
08/01/05 03:53:14.0	29.99
08/01/05 04:23:14.0	29.82
08/01/05 04:53:14.0	29.41
08/01/05 05:23:14.0	29.49
08/01/05 05:53:14.0	29.52
08/01/05 06:23:14.0	29.54
08/01/05 06:53:14.0	29.44
08/01/05 07:23:14.0	29.37
08/01/05 07:53:14.0	29.32
08/01/05 08:23:14.0	29.37
08/01/05 08:53:14.0	29.41
08/01/05 09:23:14.0	29.44
08/01/05 09:53:14.0	29.49
08/01/05 10:23:14.0	29.54
08/01/05 10:53:14.0	29.57
08/01/05 11:23:14.0	29.59
08/01/05 11:53:14.0	29.64
08/01/05 12:23:14.0	29.62
08/01/05 12:53:14.0	29.69
08/01/05 13:23:14.0	29.72
08/01/05 13:53:14.0	29.74
08/01/05 14:23:14.0	29.74
08/01/05 14:53:14.0	29.74
08/01/05 15:23:14.0	29.77
08/01/05 15:53:14.0	29.77
08/01/05 16:23:14.0	29.77
08/01/05 16:53:14.0	29.77
08/01/05 17:23:14.0	29.74
08/01/05 17:53:14.0	29.74
08/01/05 18:23:14.0	29.69
08/01/05 18:53:14.0	29.72
08/01/05 19:23:14.0	29.72
08/01/05 19:53:14.0	29.72
08/01/05 20:23:14.0	29.72
08/01/05 20:53:14.0	29.72
08/01/05 21:23:14.0	29.72
08/01/05 21:53:14.0	29.79

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/01/05 22:23:14.0	29.77
08/01/05 22:53:14.0	29.77
08/01/05 23:23:14.0	29.79
08/01/05 23:53:14.0	29.82
08/02/05 00:23:14.0	29.84
08/02/05 00:53:14.0	29.77
08/02/05 01:23:14.0	29.57
08/02/05 01:53:14.0	29.54
08/02/05 02:23:14.0	29.57
08/02/05 02:53:14.0	29.57
08/02/05 03:23:14.0	29.59
08/02/05 03:53:14.0	29.57
08/02/05 04:23:14.0	29.59
08/02/05 04:53:14.0	29.67
08/02/05 05:23:14.0	29.69
08/02/05 05:53:14.0	29.74
08/02/05 06:23:14.0	29.82
08/02/05 06:53:14.0	29.89
08/02/05 07:23:14.0	29.94
08/02/05 07:53:14.0	30.02
08/02/05 08:23:14.0	30.04
08/02/05 08:53:14.0	30.09
08/02/05 09:23:14.0	30.12
08/02/05 09:53:14.0	29.97
08/02/05 10:23:14.0	30.12
08/02/05 10:53:14.0	30.09
08/02/05 11:23:14.0	30.17
08/02/05 11:53:14.0	30.12
08/02/05 12:23:14.0	29.77
08/02/05 12:53:14.0	29.84
08/02/05 13:23:14.0	29.49
08/02/05 13:53:14.0	29.14
08/02/05 14:23:14.0	29.46
08/02/05 14:53:14.0	29.74
08/02/05 15:23:14.0	29.69
08/02/05 15:53:14.0	29.64
08/02/05 16:23:14.0	29.62
08/02/05 16:53:14.0	29.52
08/02/05 17:23:14.0	29.52
08/02/05 17:53:14.0	29.49
08/02/05 18:23:14.0	29.49
08/02/05 18:53:14.0	29.54
08/02/05 19:23:14.0	29.52
08/02/05 19:53:14.0	29.54
08/02/05 20:23:14.0	29.54
08/02/05 20:53:14.0	29.59
08/02/05 21:23:14.0	29.59
08/02/05 21:53:14.0	29.99
08/02/05 22:23:14.0	29.97
08/02/05 22:53:14.0	29.94
08/02/05 23:23:14.0	29.97
08/02/05 23:53:14.0	30.04
08/03/05 00:23:14.0	29.94
08/03/05 00:53:14.0	29.84
08/03/05 01:23:14.0	29.72
08/03/05 01:53:14.0	29.59
08/03/05 02:23:14.0	29.52
08/03/05 02:53:14.0	29.59
08/03/05 03:23:14.0	29.67
08/03/05 03:53:14.0	29.74
08/03/05 04:23:14.0	29.74
08/03/05 04:53:14.0	29.74
08/03/05 05:23:14.0	29.79
08/03/05 05:53:14.0	29.82
08/03/05 06:23:14.0	29.89
08/03/05 06:53:14.0	29.89
08/03/05 07:23:14.0	29.92
08/03/05 07:53:14.0	29.72
08/03/05 08:23:14.0	29.41

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/03/05 08:53:14.0	29.89
08/03/05 09:23:14.0	29.89
08/03/05 09:53:14.0	29.94
08/03/05 10:23:14.0	29.94
08/03/05 10:53:14.0	29.97
08/03/05 11:23:14.0	29.99
08/03/05 11:53:14.0	29.99
08/03/05 12:23:14.0	30.02
08/03/05 12:53:14.0	30.04
08/03/05 13:23:14.0	30.07
08/03/05 13:53:14.0	30.04
08/03/05 14:23:14.0	29.94
08/03/05 14:53:14.0	29.94
08/03/05 15:23:14.0	29.92
08/03/05 15:53:14.0	29.59
08/03/05 16:23:14.0	29.54
08/03/05 16:53:14.0	29.57
08/03/05 17:23:14.0	29.37
08/03/05 17:53:14.0	29.24
08/03/05 18:23:14.0	29.12
08/03/05 18:53:14.0	29.12
08/03/05 19:23:14.0	29.19
08/03/05 19:53:14.0	29.17
08/03/05 20:23:14.0	29.09
08/03/05 20:53:14.0	29.02
08/03/05 21:23:14.0	29.02
08/03/05 21:53:14.0	29.02
08/03/05 22:23:14.0	29.02
08/03/05 22:53:14.0	29.04
08/03/05 23:23:14.0	29.09
08/03/05 23:53:14.0	29.14
08/04/05 00:23:14.0	29.14
08/04/05 00:53:14.0	29.17
08/04/05 01:23:14.0	29.14
08/04/05 01:53:14.0	29.17
08/04/05 02:23:14.0	29.17
08/04/05 02:53:14.0	29.14
08/04/05 03:23:14.0	28.97
08/04/05 03:53:14.0	28.97
08/04/05 04:23:14.0	28.97
08/04/05 04:53:14.0	28.99
08/04/05 05:23:14.0	29.02
08/04/05 05:53:14.0	29.02
08/04/05 06:23:14.0	29.17
08/04/05 06:53:14.0	29.17
08/04/05 07:23:14.0	29.19
08/04/05 07:53:14.0	29.22
08/04/05 08:23:14.0	29.22
08/04/05 08:53:14.0	29.22
08/04/05 09:23:14.0	29.27
08/04/05 09:53:14.0	29.37
08/04/05 10:23:14.0	29.49
08/04/05 10:53:14.0	29.44
08/04/05 11:23:14.0	29.54
08/04/05 11:53:14.0	29.39
08/04/05 12:23:14.0	29.41
08/04/05 12:53:14.0	29.46
08/04/05 13:23:14.0	29.37
08/04/05 13:53:14.0	29.27
08/04/05 14:23:14.0	29.49
08/04/05 14:53:14.0	29.62
08/04/05 15:23:14.0	29.74
08/04/05 15:53:14.0	29.79
08/04/05 16:23:14.0	29.79
08/04/05 16:53:14.0	29.82
08/04/05 17:23:14.0	29.77
08/04/05 17:53:14.0	29.74
08/04/05 18:23:14.0	29.77
08/04/05 18:53:14.0	29.77

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
08/04/05 19:23:14.0	29.72
08/04/05 19:53:14.0	29.69
08/04/05 20:23:14.0	29.69
08/04/05 20:53:14.0	29.74
08/04/05 21:23:14.0	29.77
08/04/05 21:53:14.0	29.79
08/04/05 22:23:14.0	29.82
08/04/05 22:53:14.0	29.87
08/04/05 23:23:14.0	29.87
08/04/05 23:53:14.0	29.87
08/05/05 00:23:14.0	29.87
08/05/05 00:53:14.0	29.84
08/05/05 01:23:14.0	29.84
08/05/05 01:53:14.0	29.84
08/05/05 02:23:14.0	29.72
08/05/05 02:53:14.0	29.72
08/05/05 03:23:14.0	29.74
08/05/05 03:53:14.0	29.69
08/05/05 04:23:14.0	29.69
08/05/05 04:53:14.0	29.69
08/05/05 05:23:14.0	29.69
08/05/05 05:53:14.0	29.69
08/05/05 06:23:14.0	29.72
08/05/05 06:53:14.0	29.64
08/05/05 07:23:14.0	29.57
08/05/05 07:53:14.0	29.52
08/05/05 08:23:14.0	29.46
08/05/05 08:53:14.0	29.41
08/05/05 09:23:14.0	29.41
08/05/05 09:53:14.0	29.49
08/05/05 10:23:14.0	29.49
08/05/05 10:53:14.0	29.52
08/05/05 11:23:14.0	29.59
08/05/05 11:53:14.0	29.64
08/05/05 12:23:14.0	29.69
08/05/05 12:53:14.0	29.72
08/05/05 13:23:14.0	29.77
08/05/05 13:53:14.0	29.79
08/05/05 14:23:14.0	29.82
08/05/05 14:53:14.0	29.79
08/05/05 15:23:14.0	29.79
08/05/05 15:53:14.0	29.84
08/05/05 16:23:14.0	29.87
08/05/05 16:53:14.0	29.84
08/05/05 17:23:14.0	29.87
08/05/05 17:53:14.0	29.87
08/05/05 18:23:14.0	29.84
08/05/05 18:53:14.0	29.84
08/05/05 19:23:14.0	29.84
08/05/05 19:53:14.0	29.87
08/05/05 20:23:14.0	29.87
08/05/05 20:53:14.0	29.87
08/05/05 21:23:14.0	29.87
08/05/05 21:53:14.0	29.87
08/05/05 22:23:14.0	29.87
08/05/05 22:53:14.0	29.87
08/05/05 23:23:14.0	29.84
08/05/05 23:53:14.0	29.84
08/06/05 00:23:14.0	29.84
08/06/05 00:53:14.0	29.84
08/06/05 01:23:14.0	29.84
08/06/05 01:53:14.0	29.84
08/06/05 02:23:14.0	29.84
08/06/05 02:53:14.0	29.84
08/06/05 03:23:14.0	29.87
08/06/05 03:53:14.0	29.84
08/06/05 04:23:14.0	29.84
08/06/05 04:53:14.0	29.84
08/06/05 05:23:14.0	29.84

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/06/05 05:53:14.0	29.84
08/06/05 06:23:14.0	29.87
08/06/05 06:53:14.0	29.84
08/06/05 07:23:14.0	29.87
08/06/05 07:53:14.0	29.87
08/06/05 08:23:14.0	29.89
08/06/05 08:53:14.0	29.89
08/06/05 09:23:14.0	29.89
08/06/05 09:53:14.0	29.92
08/06/05 10:23:14.0	29.94
08/06/05 10:53:14.0	29.92
08/06/05 11:23:14.0	29.94
08/06/05 11:53:14.0	30.02
08/06/05 12:23:14.0	30.02
08/06/05 12:53:14.0	29.94
08/06/05 13:23:14.0	29.99
08/06/05 13:53:14.0	29.97
08/06/05 14:23:14.0	29.99
08/06/05 14:53:14.0	29.97
08/06/05 15:23:14.0	29.99
08/06/05 15:53:14.0	29.99
08/06/05 16:23:14.0	30.02
08/06/05 16:53:14.0	29.99
08/06/05 17:23:14.0	30.02
08/06/05 17:53:14.0	29.97
08/06/05 18:23:14.0	29.99
08/06/05 18:53:14.0	29.97
08/06/05 19:23:14.0	29.97
08/06/05 19:53:14.0	29.97
08/06/05 20:23:14.0	29.94
08/06/05 20:53:14.0	29.97
08/06/05 21:23:14.0	29.97
08/06/05 21:53:14.0	29.97
08/06/05 22:23:14.0	29.97
08/06/05 22:53:14.0	29.97
08/06/05 23:23:14.0	29.97
08/06/05 23:53:14.0	29.97
08/07/05 00:23:14.0	29.97
08/07/05 00:53:14.0	29.97
08/07/05 01:23:14.0	29.97
08/07/05 01:53:14.0	29.97
08/07/05 02:23:14.0	29.94
08/07/05 02:53:14.0	29.92
08/07/05 03:23:14.0	29.92
08/07/05 03:53:14.0	29.92
08/07/05 04:23:14.0	29.94
08/07/05 04:53:14.0	29.87
08/07/05 05:23:14.0	29.87
08/07/05 05:53:14.0	29.82
08/07/05 06:23:14.0	29.77
08/07/05 06:53:14.0	29.64
08/07/05 07:23:14.0	29.64
08/07/05 07:53:14.0	29.64
08/07/05 08:23:14.0	29.69
08/07/05 08:53:14.0	29.67
08/07/05 09:23:14.0	29.67
08/07/05 09:53:14.0	29.57
08/07/05 10:23:14.0	29.57
08/07/05 10:53:14.0	29.67
08/07/05 11:23:14.0	29.69
08/07/05 11:53:14.0	29.74
08/07/05 12:23:14.0	29.74
08/07/05 12:53:14.0	29.79
08/07/05 13:23:14.0	29.87
08/07/05 13:53:14.0	29.87
08/07/05 14:23:14.0	29.92
08/07/05 14:53:14.0	29.92
08/07/05 15:23:14.0	29.92
08/07/05 15:53:14.0	29.97

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/07/05 16:23:14.0	29.94
08/07/05 16:53:14.0	29.94
08/07/05 17:23:14.0	29.97
08/07/05 17:53:14.0	29.92
08/07/05 18:23:14.0	29.82
08/07/05 18:53:14.0	29.82
08/07/05 19:23:14.0	29.69
08/07/05 19:53:14.0	29.72
08/07/05 20:23:14.0	29.69
08/07/05 20:53:14.0	29.69
08/07/05 21:23:14.0	29.72
08/07/05 21:53:14.0	29.72
08/07/05 22:23:14.0	29.89
08/07/05 22:53:14.0	29.92
08/07/05 23:23:14.0	29.92
08/07/05 23:53:14.0	29.92
08/08/05 00:23:14.0	29.92
08/08/05 00:53:14.0	29.74
08/08/05 01:23:14.0	29.87
08/08/05 01:53:14.0	29.92
08/08/05 02:23:14.0	29.92
08/08/05 02:53:14.0	29.89
08/08/05 03:23:14.0	29.89
08/08/05 03:53:14.0	29.89
08/08/05 04:23:14.0	29.89
08/08/05 04:53:14.0	29.89
08/08/05 05:23:14.0	29.89
08/08/05 05:53:14.0	29.89
08/08/05 06:23:14.0	29.87
08/08/05 06:53:14.0	29.77
08/08/05 07:23:14.0	29.79
08/08/05 07:53:14.0	29.79
08/08/05 08:23:14.0	29.77
08/08/05 08:53:14.0	29.77
08/08/05 09:23:14.0	29.74
08/08/05 09:53:14.0	29.77
08/08/05 10:23:14.0	29.77
08/08/05 10:53:14.0	29.82
08/08/05 11:23:14.0	29.87
08/08/05 11:53:14.0	29.87
08/08/05 12:23:14.0	29.92
08/08/05 12:53:14.0	29.97
08/08/05 13:23:14.0	29.99
08/08/05 13:53:14.0	30.02
08/08/05 14:23:14.0	30.04
08/08/05 14:53:14.0	29.79
08/08/05 15:23:14.0	29.79
08/08/05 15:53:14.0	29.82
08/08/05 16:23:14.0	29.82
08/08/05 16:53:14.0	29.77
08/08/05 17:23:14.0	29.92
08/08/05 17:53:14.0	29.94
08/08/05 18:23:14.0	29.94
08/08/05 18:53:14.0	29.94
08/08/05 19:23:14.0	29.92
08/08/05 19:53:14.0	29.89
08/08/05 20:23:14.0	29.89
08/08/05 20:53:14.0	29.87
08/08/05 21:23:14.0	29.87
08/08/05 21:53:14.0	29.89
08/08/05 22:23:14.0	29.89
08/08/05 22:53:14.0	29.89
08/08/05 23:23:14.0	29.89
08/08/05 23:53:14.0	29.89
08/09/05 00:23:14.0	29.89
08/09/05 00:53:14.0	29.89
08/09/05 01:23:14.0	29.92
08/09/05 01:53:14.0	29.97
08/09/05 02:23:14.0	29.97

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/09/05 02:53:14.0	29.97
08/09/05 03:23:14.0	30.02
08/09/05 03:53:14.0	29.99
08/09/05 04:23:14.0	29.99
08/09/05 04:53:14.0	29.99
08/09/05 05:23:14.0	30.02
08/09/05 05:53:14.0	29.99
08/09/05 06:23:14.0	29.99
08/09/05 06:53:14.0	29.99
08/09/05 07:23:14.0	29.99
08/09/05 07:53:14.0	29.94
08/09/05 08:23:14.0	29.82
08/09/05 08:53:14.0	29.77
08/09/05 09:23:14.0	29.84
08/09/05 09:53:14.0	29.87
08/09/05 10:23:14.0	29.84
08/09/05 10:53:14.0	29.84
08/09/05 11:23:14.0	29.92
08/09/05 11:53:14.0	29.94
08/09/05 12:23:14.0	29.97
08/09/05 12:53:14.0	29.99
08/09/05 13:23:14.0	30.02
08/09/05 13:53:14.0	30.04
08/09/05 14:23:14.0	30.09
08/09/05 14:53:14.0	30.07
08/09/05 15:23:14.0	30.09
08/09/05 15:53:14.0	29.99
08/09/05 16:23:14.0	29.99
08/09/05 16:53:14.0	30.02
08/09/05 17:23:14.0	29.92
08/09/05 17:53:14.0	29.82
08/09/05 18:23:14.0	29.64
08/09/05 18:53:14.0	29.44
08/09/05 19:23:14.0	29.44
08/09/05 19:53:14.0	29.34
08/09/05 20:23:14.0	29.39
08/09/05 20:53:14.0	29.41
08/09/05 21:23:14.0	29.41
08/09/05 21:53:14.0	29.44
08/09/05 22:23:14.0	29.44
08/09/05 22:53:14.0	29.46
08/09/05 23:23:14.0	29.49
08/09/05 23:53:14.0	29.69
08/10/05 00:23:14.0	29.74
08/10/05 00:53:14.0	29.57
08/10/05 01:23:14.0	29.59
08/10/05 01:53:14.0	29.59
08/10/05 02:23:14.0	29.59
08/10/05 02:53:14.0	29.62
08/10/05 03:23:14.0	29.67
08/10/05 03:53:14.0	29.67
08/10/05 04:23:14.0	29.67
08/10/05 04:53:14.0	29.69
08/10/05 05:23:14.0	29.69
08/10/05 05:53:14.0	29.69
08/10/05 06:23:14.0	29.72
08/10/05 06:53:14.0	29.87
08/10/05 07:23:14.0	29.82
08/10/05 07:53:14.0	29.84
08/10/05 08:23:14.0	29.97
08/10/05 08:53:14.0	30.04
08/10/05 09:23:14.0	30.07
08/10/05 09:53:14.0	30.09
08/10/05 10:23:14.0	29.99
08/10/05 10:53:14.0	29.99
08/10/05 11:23:14.0	30.02
08/10/05 11:53:14.0	30.04
08/10/05 12:23:14.0	30.09
08/10/05 12:53:14.0	30.04

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (°C)**
08/10/05 13:23:14.0	29.99
08/10/05 13:53:14.0	30.02
08/10/05 14:23:14.0	30.04
08/10/05 14:53:14.0	30.07
08/10/05 15:23:14.0	30.07
08/10/05 15:53:14.0	30.07
08/10/05 16:23:14.0	30.09
08/10/05 16:53:14.0	30.09
08/10/05 17:23:14.0	29.99
08/10/05 17:53:14.0	29.92
08/10/05 18:23:14.0	29.94
08/10/05 18:53:14.0	29.99
08/10/05 19:23:14.0	29.97
08/10/05 19:53:14.0	30.02
08/10/05 20:23:14.0	29.97
08/10/05 20:53:14.0	29.97
08/10/05 21:23:14.0	29.94
08/10/05 21:53:14.0	29.97
08/10/05 22:23:14.0	29.92
08/10/05 22:53:14.0	29.92
08/10/05 23:23:14.0	29.89
08/10/05 23:53:14.0	29.89
08/11/05 00:23:14.0	29.92
08/11/05 00:53:14.0	29.92
08/11/05 01:23:14.0	29.92
08/11/05 01:53:14.0	29.92
08/11/05 02:23:14.0	29.92
08/11/05 02:53:14.0	29.84
08/11/05 03:23:14.0	29.89
08/11/05 03:53:14.0	29.94
08/11/05 04:23:14.0	29.92
08/11/05 04:53:14.0	29.89
08/11/05 05:23:14.0	29.89
08/11/05 05:53:14.0	29.87
08/11/05 06:23:14.0	29.77
08/11/05 06:53:14.0	29.77
08/11/05 07:23:14.0	29.79
08/11/05 07:53:14.0	29.79
08/11/05 08:23:14.0	29.84
08/11/05 08:53:14.0	29.87
08/11/05 09:23:14.0	29.89
08/11/05 09:53:14.0	29.84
08/11/05 10:23:14.0	29.82
08/11/05 10:53:14.0	29.79
08/11/05 11:23:14.0	29.87
08/11/05 11:53:14.0	29.89
08/11/05 12:23:14.0	29.97
08/11/05 12:53:14.0	29.97
08/11/05 13:23:14.0	29.94
08/11/05 13:53:14.0	29.94
08/11/05 14:23:14.0	29.94
08/11/05 14:53:14.0	29.99
08/11/05 15:23:14.0	29.99
08/11/05 15:53:14.0	29.97
08/11/05 16:23:14.0	29.97
08/11/05 16:53:14.0	29.92
08/11/05 17:23:14.0	29.87
08/11/05 17:53:14.0	29.82
08/11/05 18:23:14.0	29.79
08/11/05 18:53:14.0	29.82
08/11/05 19:23:14.0	29.92
08/11/05 19:53:14.0	29.92
08/11/05 20:23:14.0	29.99
08/11/05 20:53:14.0	29.99
08/11/05 21:23:14.0	30.02
08/11/05 21:53:14.0	30.07
08/11/05 22:23:14.0	30.04
08/11/05 22:53:14.0	30.04
08/11/05 23:23:14.0	30.07

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/11/05 23:53:14.0	29.99
08/12/05 00:23:14.0	29.92
08/12/05 00:53:14.0	29.94
08/12/05 01:23:14.0	29.97
08/12/05 01:53:14.0	29.99
08/12/05 02:23:14.0	29.97
08/12/05 02:53:14.0	29.89
08/12/05 03:23:14.0	29.84
08/12/05 03:53:14.0	29.82
08/12/05 04:23:14.0	29.77
08/12/05 04:53:14.0	29.69
08/12/05 05:23:14.0	29.67
08/12/05 05:53:14.0	29.67
08/12/05 06:23:14.0	29.69
08/12/05 06:53:14.0	29.74
08/12/05 07:23:14.0	29.72
08/12/05 07:53:14.0	29.79
08/12/05 08:23:14.0	29.82
08/12/05 08:53:14.0	29.82
08/12/05 09:23:14.0	29.82
08/12/05 09:53:14.0	29.89
08/12/05 10:23:14.0	29.94
08/12/05 10:53:14.0	30.02
08/12/05 11:23:14.0	30.09
08/12/05 11:53:14.0	30.17
08/12/05 12:23:14.0	30.22
08/12/05 12:53:14.0	30.27
08/12/05 13:23:14.0	30.19
08/12/05 13:53:14.0	30.22
08/12/05 14:23:14.0	30.19
08/12/05 14:53:14.0	30.19
08/12/05 15:23:14.0	30.14
08/12/05 15:53:14.0	30.09
08/12/05 16:23:14.0	30.12
08/12/05 16:53:14.0	30.14
08/12/05 17:23:14.0	30.14
08/12/05 17:53:14.0	30.14
08/12/05 18:23:14.0	30.14
08/12/05 18:53:14.0	30.02
08/12/05 19:23:14.0	29.87
08/12/05 19:53:14.0	29.74
08/12/05 20:23:14.0	29.67
08/12/05 20:53:14.0	29.62
08/12/05 21:23:14.0	29.54
08/12/05 21:53:14.0	29.62
08/12/05 22:23:14.0	29.64
08/12/05 22:53:14.0	29.62
08/12/05 23:23:14.0	29.54
08/12/05 23:53:14.0	29.54
08/13/05 00:23:14.0	29.49
08/13/05 00:53:14.0	29.39
08/13/05 01:23:14.0	29.37
08/13/05 01:53:14.0	29.19
08/13/05 02:23:14.0	29.14
08/13/05 02:53:14.0	29.12
08/13/05 03:23:14.0	29.12
08/13/05 03:53:14.0	29.14
08/13/05 04:23:14.0	29.09
08/13/05 04:53:14.0	29.04
08/13/05 05:23:14.0	29.07
08/13/05 05:53:14.0	29.17
08/13/05 06:23:14.0	29.24
08/13/05 06:53:14.0	29.34
08/13/05 07:23:14.0	29.46
08/13/05 07:53:14.0	29.59
08/13/05 08:23:14.0	29.62
08/13/05 08:53:14.0	29.64
08/13/05 09:23:14.0	29.72
08/13/05 09:53:14.0	29.46

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/13/05 10:23:14.0	29.79
08/13/05 10:53:14.0	29.84
08/13/05 11:23:14.0	29.74
08/13/05 11:53:14.0	29.46
08/13/05 12:23:14.0	29.44
08/13/05 12:53:14.0	29.22
08/13/05 13:23:14.0	29.22
08/13/05 13:53:14.0	29.29
08/13/05 14:23:14.0	29.34
08/13/05 14:53:14.0	29.37
08/13/05 15:23:14.0	29.39
08/13/05 15:53:14.0	29.44
08/13/05 16:23:14.0	29.44
08/13/05 16:53:14.0	29.62
08/13/05 17:23:14.0	29.59
08/13/05 17:53:14.0	29.57
08/13/05 18:23:14.0	29.57
08/13/05 18:53:14.0	29.62
08/13/05 19:23:14.0	29.62
08/13/05 19:53:14.0	29.67
08/13/05 20:23:14.0	29.64
08/13/05 20:53:14.0	29.67
08/13/05 21:23:14.0	29.72
08/13/05 21:53:14.0	29.72
08/13/05 22:23:14.0	29.74
08/13/05 22:53:14.0	29.74
08/13/05 23:23:14.0	29.74
08/13/05 23:53:14.0	29.79
08/14/05 00:23:14.0	29.79
08/14/05 00:53:14.0	29.82
08/14/05 01:23:14.0	29.82
08/14/05 01:53:14.0	29.87
08/14/05 02:23:14.0	29.89
08/14/05 02:53:14.0	29.97
08/14/05 03:23:14.0	30.12
08/14/05 03:53:14.0	30.02
08/14/05 04:23:14.0	29.94
08/14/05 04:53:14.0	29.89
08/14/05 05:23:14.0	29.74
08/14/05 05:53:14.0	29.52
08/14/05 06:23:14.0	29.41
08/14/05 06:53:14.0	29.72
08/14/05 07:23:14.0	29.87
08/14/05 07:53:14.0	29.92
08/14/05 08:23:14.0	29.99
08/14/05 08:53:14.0	30.04
08/14/05 09:23:14.0	30.09
08/14/05 09:53:14.0	30.09
08/14/05 10:23:14.0	30.09
08/14/05 10:53:14.0	30.12
08/14/05 11:23:14.0	30.17
08/14/05 11:53:14.0	30.17
08/14/05 12:23:14.0	30.12
08/14/05 12:53:14.0	30.17
08/14/05 13:23:14.0	30.19
08/14/05 13:53:14.0	30.22
08/14/05 14:23:14.0	30.24
08/14/05 14:53:14.0	30.24
08/14/05 15:23:14.0	30.27
08/14/05 15:53:14.0	30.27
08/14/05 16:23:14.0	30.24
08/14/05 16:53:14.0	30.27
08/14/05 17:23:14.0	30.27
08/14/05 17:53:14.0	30.19
08/14/05 18:23:14.0	30.19
08/14/05 18:53:14.0	30.19
08/14/05 19:23:14.0	30.19
08/14/05 19:53:14.0	30.17
08/14/05 20:23:14.0	30.19

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/14/05 20:53:14.0	30.17
08/14/05 21:23:14.0	30.19
08/14/05 21:53:14.0	30.19
08/14/05 22:23:14.0	30.17
08/14/05 22:53:14.0	30.14
08/14/05 23:23:14.0	30.17
08/14/05 23:53:14.0	30.14
08/15/05 00:23:14.0	30.14
08/15/05 00:53:14.0	30.17
08/15/05 01:23:14.0	30.22
08/15/05 01:53:14.0	30.24
08/15/05 02:23:14.0	30.27
08/15/05 02:53:14.0	30.29
08/15/05 03:23:14.0	30.27
08/15/05 03:53:14.0	30.29
08/15/05 04:23:14.0	30.37
08/15/05 04:53:14.0	30.39
08/15/05 05:23:14.0	30.39
08/15/05 05:53:14.0	30.42
08/15/05 06:23:14.0	30.44
08/15/05 06:53:14.0	30.50
08/15/05 07:23:14.0	30.55
08/15/05 07:53:14.0	30.55
08/15/05 08:23:14.0	30.57
08/15/05 08:53:14.0	30.55
08/15/05 09:23:14.0	30.50
08/15/05 09:53:14.0	30.42
08/15/05 10:23:14.0	30.42
08/15/05 10:53:14.0	30.42
08/15/05 11:23:14.0	30.42
08/15/05 11:53:14.0	30.44
08/15/05 12:23:14.0	30.44
08/15/05 12:53:14.0	30.44
08/15/05 13:23:14.0	30.24
08/15/05 13:53:14.0	30.24
08/15/05 14:23:14.0	30.17
08/15/05 14:53:14.0	30.07
08/15/05 15:23:14.0	30.34
08/15/05 15:53:14.0	30.39
08/15/05 16:23:14.0	30.39
08/15/05 16:53:14.0	30.37
08/15/05 17:23:14.0	30.37
08/15/05 17:53:14.0	30.37
08/15/05 18:23:14.0	30.39
08/15/05 18:53:14.0	30.37
08/15/05 19:23:14.0	30.34
08/15/05 19:53:14.0	30.37
08/15/05 20:23:14.0	30.37
08/15/05 20:53:14.0	30.37
08/15/05 21:23:14.0	30.39
08/15/05 21:53:14.0	30.37
08/15/05 22:23:14.0	30.37
08/15/05 22:53:14.0	30.39
08/15/05 23:23:14.0	30.34
08/15/05 23:53:14.0	30.22
08/16/05 00:23:14.0	30.19
08/16/05 00:53:14.0	30.14
08/16/05 01:23:14.0	30.14
08/16/05 01:53:14.0	30.09
08/16/05 02:23:14.0	30.02
08/16/05 02:53:14.0	29.97
08/16/05 03:23:14.0	29.94
08/16/05 03:53:14.0	29.94
08/16/05 04:23:14.0	29.94
08/16/05 04:53:14.0	29.94
08/16/05 05:23:14.0	29.92
08/16/05 05:53:14.0	29.92
08/16/05 06:23:14.0	29.89
08/16/05 06:53:14.0	29.84

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (°C)
08/16/05 07:23:14.0	29.82
08/16/05 07:53:14.0	29.82
08/16/05 08:23:14.0	29.82
08/16/05 08:53:14.0	29.84
08/16/05 09:23:14.0	29.84
08/16/05 09:53:14.0	29.82
08/16/05 10:23:14.0	29.82
08/16/05 10:53:14.0	29.82
08/16/05 11:23:14.0	29.82
08/16/05 11:53:14.0	29.89
08/16/05 12:23:14.0	29.89
08/16/05 12:53:14.0	29.92
08/16/05 13:23:14.0	29.99
08/16/05 13:53:14.0	30.04
08/16/05 14:23:14.0	30.07
08/16/05 14:53:14.0	30.09
08/16/05 15:23:14.0	30.07
08/16/05 15:53:14.0	30.07
08/16/05 16:23:14.0	30.02
08/16/05 16:53:14.0	30.04
08/16/05 17:23:14.0	30.04
08/16/05 17:53:14.0	30.09
08/16/05 18:23:14.0	30.14
08/16/05 18:53:14.0	30.24
08/16/05 19:23:14.0	30.29
08/16/05 19:53:14.0	30.32
08/16/05 20:23:14.0	30.37
08/16/05 20:53:14.0	30.39
08/16/05 21:23:14.0	30.42
08/16/05 21:53:14.0	30.47
08/16/05 22:23:14.0	30.50
08/16/05 22:53:14.0	30.52
08/16/05 23:23:14.0	30.52
08/16/05 23:53:14.0	30.50
08/17/05 00:23:14.0	30.50
08/17/05 00:53:14.0	30.50
08/17/05 01:23:14.0	30.50
08/17/05 01:53:14.0	30.50
08/17/05 02:23:14.0	30.47
08/17/05 02:53:14.0	30.39
08/17/05 03:23:14.0	30.29
08/17/05 03:53:14.0	30.34
08/17/05 04:23:14.0	30.24
08/17/05 04:53:14.0	30.12
08/17/05 05:23:14.0	30.02
08/17/05 05:53:14.0	30.02
08/17/05 06:23:14.0	30.02
08/17/05 06:53:14.0	30.32
08/17/05 07:23:14.0	30.17
08/17/05 07:53:14.0	30.14
08/17/05 08:23:14.0	30.12
08/17/05 08:53:14.0	30.09
08/17/05 09:23:14.0	30.09
08/17/05 09:53:14.0	30.09
08/17/05 10:23:14.0	30.12
08/17/05 10:53:14.0	30.14
08/17/05 11:23:14.0	30.17
08/17/05 11:53:14.0	30.19
08/17/05 12:23:14.0	30.19
08/17/05 12:53:14.0	30.14
08/17/05 13:23:14.0	30.17
08/17/05 13:53:14.0	30.14
08/17/05 14:23:14.0	30.14
08/17/05 14:53:14.0	30.17
08/17/05 15:23:14.0	30.19
08/17/05 15:53:14.0	30.22
08/17/05 16:23:14.0	30.19
08/17/05 16:53:14.0	30.27
08/17/05 17:23:14.0	30.37

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/17/05 17:53:14.0	30.37
08/17/05 18:23:14.0	30.39
08/17/05 18:53:14.0	30.44
08/17/05 19:23:14.0	30.47
08/17/05 19:53:14.0	30.50
08/17/05 20:23:14.0	30.52
08/17/05 20:53:14.0	30.17
08/17/05 21:23:14.0	29.82
08/17/05 21:53:14.0	29.89
08/17/05 22:23:14.0	29.94
08/17/05 22:53:14.0	30.02
08/17/05 23:23:14.0	30.37
08/17/05 23:53:14.0	30.39
08/18/05 00:23:14.0	30.42
08/18/05 00:53:14.0	30.39
08/18/05 01:23:14.0	30.32
08/18/05 01:53:14.0	30.24
08/18/05 02:23:14.0	30.24
08/18/05 02:53:14.0	30.24
08/18/05 03:23:14.0	30.22
08/18/05 03:53:14.0	30.19
08/18/05 04:23:14.0	30.17
08/18/05 04:53:14.0	30.19
08/18/05 05:23:14.0	30.19
08/18/05 05:53:14.0	30.19
08/18/05 06:23:14.0	30.19
08/18/05 06:53:14.0	30.24
08/18/05 07:23:14.0	30.12
08/18/05 07:53:14.0	30.07
08/18/05 08:23:14.0	30.04
08/18/05 08:53:14.0	30.04
08/18/05 09:23:14.0	29.99
08/18/05 09:53:14.0	29.89
08/18/05 10:23:14.0	29.84
08/18/05 10:53:14.0	29.79
08/18/05 11:23:14.0	29.67
08/18/05 11:53:14.0	29.52
08/18/05 12:23:14.0	29.52
08/18/05 12:53:14.0	29.52
08/18/05 13:23:14.0	29.57
08/18/05 13:53:14.0	29.74
08/18/05 14:23:14.0	29.84
08/18/05 14:53:14.0	29.87
08/18/05 15:23:14.0	29.79
08/18/05 15:53:14.0	29.82
08/18/05 16:23:14.0	29.79
08/18/05 16:53:14.0	29.82
08/18/05 17:23:14.0	29.62
08/18/05 17:53:14.0	29.49
08/18/05 18:23:14.0	29.41
08/18/05 18:53:14.0	29.46
08/18/05 19:23:14.0	29.41
08/18/05 19:53:14.0	29.44
08/18/05 20:23:14.0	29.54
08/18/05 20:53:14.0	29.72
08/18/05 21:23:14.0	29.79
08/18/05 21:53:14.0	29.77
08/18/05 22:23:14.0	29.59
08/18/05 22:53:14.0	29.54
08/18/05 23:23:14.0	29.54
08/18/05 23:53:14.0	29.62
08/19/05 00:23:14.0	29.69
08/19/05 00:53:14.0	29.77
08/19/05 01:23:14.0	29.89
08/19/05 01:53:14.0	30.07
08/19/05 02:23:14.0	30.17
08/19/05 02:53:14.0	30.24
08/19/05 03:23:14.0	30.27
08/19/05 03:53:14.0	30.29

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/19/05 04:23:14.0	30.29
08/19/05 04:53:14.0	30.19
08/19/05 05:23:14.0	30.19
08/19/05 05:53:14.0	30.19
08/19/05 06:23:14.0	30.19
08/19/05 06:53:14.0	30.34
08/19/05 07:23:14.0	30.37
08/19/05 07:53:14.0	30.32
08/19/05 08:23:14.0	30.17
08/19/05 08:53:14.0	30.12
08/19/05 09:23:14.0	30.17
08/19/05 09:53:14.0	30.19
08/19/05 10:23:14.0	30.32
08/19/05 10:53:14.0	30.39
08/19/05 11:23:14.0	30.42
08/19/05 11:53:14.0	30.42
08/19/05 12:23:14.0	30.42
08/19/05 12:53:14.0	30.37
08/19/05 13:23:14.0	30.34
08/19/05 13:53:14.0	30.29
08/19/05 14:23:14.0	30.19
08/19/05 14:53:14.0	30.17
08/19/05 15:23:14.0	30.17
08/19/05 15:53:14.0	30.14
08/19/05 16:23:14.0	30.07
08/19/05 16:53:14.0	29.89
08/19/05 17:23:14.0	29.54
08/19/05 17:53:14.0	29.44
08/19/05 18:23:14.0	29.39
08/19/05 18:53:14.0	29.37
08/19/05 19:23:14.0	29.39
08/19/05 19:53:14.0	29.49
08/19/05 20:23:14.0	29.52
08/19/05 20:53:14.0	29.54
08/19/05 21:23:14.0	29.46
08/19/05 21:53:14.0	29.41
08/19/05 22:23:14.0	29.41
08/19/05 22:53:14.0	29.46
08/19/05 23:23:14.0	29.52
08/19/05 23:53:14.0	29.57
08/20/05 00:23:14.0	29.62
08/20/05 00:53:14.0	29.59
08/20/05 01:23:14.0	29.57
08/20/05 01:53:14.0	29.59
08/20/05 02:23:14.0	29.57
08/20/05 02:53:14.0	29.59
08/20/05 03:23:14.0	29.64
08/20/05 03:53:14.0	29.67
08/20/05 04:23:14.0	29.79
08/20/05 04:53:14.0	29.77
08/20/05 05:23:14.0	29.74
08/20/05 05:53:14.0	29.72
08/20/05 06:23:14.0	29.67
08/20/05 06:53:14.0	29.62
08/20/05 07:23:14.0	29.67
08/20/05 07:53:14.0	29.72
08/20/05 08:23:14.0	29.77
08/20/05 08:53:14.0	29.87
08/20/05 09:23:14.0	29.87
08/20/05 09:53:14.0	29.89
08/20/05 10:23:14.0	29.89
08/20/05 10:53:14.0	29.89
08/20/05 11:23:14.0	29.94
08/20/05 11:53:14.0	30.02
08/20/05 12:23:14.0	30.07
08/20/05 12:53:14.0	30.09
08/20/05 13:23:14.0	30.12
08/20/05 13:53:14.0	30.14
08/20/05 14:23:14.0	30.14

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/20/05 14:53:14.0	30.14
08/20/05 15:23:14.0	30.14
08/20/05 15:53:14.0	30.02
08/20/05 16:23:14.0	30.12
08/20/05 16:53:14.0	30.04
08/20/05 17:23:14.0	30.02
08/20/05 17:53:14.0	29.62
08/20/05 18:23:14.0	29.67
08/20/05 18:53:14.0	29.77
08/20/05 19:23:14.0	29.82
08/20/05 19:53:14.0	29.82
08/20/05 20:23:14.0	29.82
08/20/05 20:53:14.0	29.97
08/20/05 21:23:14.0	29.99
08/20/05 21:53:14.0	29.89
08/20/05 22:23:14.0	29.79
08/20/05 22:53:14.0	29.77
08/20/05 23:23:14.0	29.77
08/20/05 23:53:14.0	29.82
08/21/05 00:23:14.0	29.87
08/21/05 00:53:14.0	29.92
08/21/05 01:23:14.0	29.94
08/21/05 01:53:14.0	29.92
08/21/05 02:23:14.0	29.92
08/21/05 02:53:14.0	29.97
08/21/05 03:23:14.0	30.02
08/21/05 03:53:14.0	30.02
08/21/05 04:23:14.0	29.99
08/21/05 04:53:14.0	30.02
08/21/05 05:23:14.0	30.09
08/21/05 05:53:14.0	30.09
08/21/05 06:23:14.0	30.09
08/21/05 06:53:14.0	30.12
08/21/05 07:23:14.0	30.09
08/21/05 07:53:14.0	30.12
08/21/05 08:23:14.0	30.12
08/21/05 08:53:14.0	30.14
08/21/05 09:23:14.0	30.17
08/21/05 09:53:14.0	30.19
08/21/05 10:23:14.0	30.22
08/21/05 10:53:14.0	30.24
08/21/05 11:23:14.0	30.24
08/21/05 11:53:14.0	30.27
08/21/05 12:23:14.0	30.29
08/21/05 12:53:14.0	30.32
08/21/05 13:23:14.0	30.12
08/21/05 13:53:14.0	30.07
08/21/05 14:23:14.0	29.97
08/21/05 14:53:14.0	29.77
08/21/05 15:23:14.0	29.82
08/21/05 15:53:14.0	29.87
08/21/05 16:23:14.0	29.87
08/21/05 16:53:14.0	29.89
08/21/05 17:23:14.0	29.89
08/21/05 17:53:14.0	29.89
08/21/05 18:23:14.0	29.92
08/21/05 18:53:14.0	29.92
08/21/05 19:23:14.0	29.92
08/21/05 19:53:14.0	29.94
08/21/05 20:23:14.0	29.92
08/21/05 20:53:14.0	29.92
08/21/05 21:23:14.0	29.94
08/21/05 21:53:14.0	29.99
08/21/05 22:23:14.0	30.02
08/21/05 22:53:14.0	30.04
08/21/05 23:23:14.0	30.04
08/21/05 23:53:14.0	30.02
08/22/05 00:23:14.0	30.02
08/22/05 00:53:14.0	30.04

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/22/05 01:23:14.0	30.07
08/22/05 01:53:14.0	30.04
08/22/05 02:23:14.0	30.07
08/22/05 02:53:14.0	30.04
08/22/05 03:23:14.0	30.04
08/22/05 03:53:14.0	29.97
08/22/05 04:23:14.0	29.82
08/22/05 04:53:14.0	29.82
08/22/05 05:23:14.0	29.87
08/22/05 05:53:14.0	29.87
08/22/05 06:23:14.0	29.87
08/22/05 06:53:14.0	29.87
08/22/05 07:23:14.0	29.87
08/22/05 07:53:14.0	29.87
08/22/05 08:23:14.0	29.89
08/22/05 08:53:14.0	29.92
08/22/05 09:23:14.0	29.94
08/22/05 09:53:14.0	29.99
08/22/05 10:23:14.0	29.97
08/22/05 10:53:14.0	29.79
08/22/05 11:23:14.0	29.74
08/22/05 11:53:14.0	29.74
08/22/05 12:23:14.0	29.77
08/22/05 12:53:14.0	29.79
08/22/05 13:23:14.0	29.82
08/22/05 13:53:14.0	29.79
08/22/05 14:23:14.0	29.79
08/22/05 14:53:14.0	29.82
08/22/05 15:23:14.0	29.84
08/22/05 15:53:14.0	29.64
08/22/05 16:23:14.0	29.32
08/22/05 16:53:14.0	29.22
08/22/05 17:23:14.0	29.14
08/22/05 17:53:14.0	29.12
08/22/05 18:23:14.0	28.97
08/22/05 18:53:14.0	28.79
08/22/05 19:23:14.0	28.82
08/22/05 19:53:14.0	28.84
08/22/05 20:23:14.0	28.84
08/22/05 20:53:14.0	28.89
08/22/05 21:23:14.0	28.89
08/22/05 21:53:14.0	28.89
08/22/05 22:23:14.0	28.94
08/22/05 22:53:14.0	28.94
08/22/05 23:23:14.0	29.09
08/22/05 23:53:14.0	29.17
08/23/05 00:23:14.0	29.29
08/23/05 00:53:14.0	29.29
08/23/05 01:23:14.0	29.27
08/23/05 01:53:14.0	29.32
08/23/05 02:23:14.0	29.32
08/23/05 02:53:14.0	29.37
08/23/05 03:23:14.0	29.34
08/23/05 03:53:14.0	29.46
08/23/05 04:23:14.0	29.54
08/23/05 04:53:14.0	29.41
08/23/05 05:23:14.0	29.34
08/23/05 05:53:14.0	29.32
08/23/05 06:23:14.0	29.34
08/23/05 06:53:14.0	29.37
08/23/05 07:23:14.0	29.39
08/23/05 07:53:14.0	29.37
08/23/05 08:23:14.0	29.41
08/23/05 08:53:14.0	29.44
08/23/05 09:23:14.0	29.44
08/23/05 09:53:14.0	29.49
08/23/05 10:23:14.0	29.54
08/23/05 10:53:14.0	29.57
08/23/05 11:23:14.0	29.59

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	Temp (ºC)
08/23/05 11:53:14.0	29.62
08/23/05 12:23:14.0	29.62
08/23/05 12:53:14.0	29.57
08/23/05 13:23:14.0	29.49
08/23/05 13:53:14.0	29.44
08/23/05 14:23:14.0	29.44
08/23/05 14:53:14.0	29.39
08/23/05 15:23:14.0	29.27
08/23/05 15:53:14.0	29.22
08/23/05 16:23:14.0	29.07
08/23/05 16:53:14.0	28.84
08/23/05 17:23:14.0	28.72
08/23/05 17:53:14.0	28.74
08/23/05 18:23:14.0	28.69
08/23/05 18:53:14.0	28.57
08/23/05 19:23:14.0	28.57
08/23/05 19:53:14.0	28.54
08/23/05 20:23:14.0	28.54
08/23/05 20:53:14.0	28.57
08/23/05 21:23:14.0	28.57
08/23/05 21:53:14.0	28.59
08/23/05 22:23:14.0	28.62
08/23/05 22:53:14.0	28.62
08/23/05 23:23:14.0	28.62
08/23/05 23:53:14.0	28.62
08/24/05 00:23:14.0	28.52
08/24/05 00:53:14.0	28.59
08/24/05 01:23:14.0	28.52
08/24/05 01:53:14.0	28.54
08/24/05 02:23:14.0	28.59
08/24/05 02:53:14.0	28.59
08/24/05 03:23:14.0	28.59
08/24/05 03:53:14.0	28.59
08/24/05 04:23:14.0	28.62
08/24/05 04:53:14.0	28.64
08/24/05 05:23:14.0	28.69
08/24/05 05:53:14.0	28.79
08/24/05 06:23:14.0	28.87
08/24/05 06:53:14.0	28.89
08/24/05 07:23:14.0	28.92
08/24/05 07:53:14.0	28.97
08/24/05 08:23:14.0	28.97
08/24/05 08:53:14.0	28.99
08/24/05 09:23:14.0	28.99
08/24/05 09:53:14.0	29.04
08/24/05 10:23:14.0	29.07
08/24/05 10:53:14.0	29.09
08/24/05 11:23:14.0	29.14
08/24/05 11:53:14.0	29.07
08/24/05 12:23:14.0	28.99
08/24/05 12:53:14.0	29.07
08/24/05 13:23:14.0	29.12
08/24/05 13:53:14.0	28.99
08/24/05 14:23:14.0	28.89
08/24/05 14:53:14.0	28.79
08/24/05 15:23:14.0	28.67
08/24/05 15:53:14.0	28.59
08/24/05 16:23:14.0	28.42
08/24/05 16:53:14.0	28.42
08/24/05 17:23:14.0	28.42
08/24/05 17:53:14.0	28.42
08/24/05 18:23:14.0	28.39
08/24/05 18:53:14.0	28.35
08/24/05 19:23:14.0	28.35
08/24/05 19:53:14.0	28.15
08/24/05 20:23:14.0	28.10
08/24/05 20:53:14.0	28.00
08/24/05 21:23:14.0	27.92
08/24/05 21:53:14.0	27.95

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data June 6, 2005 - August 25, 2005	
Date/Time	**Temp (ºC)**
08/24/05 22:23:14.0	27.97
08/24/05 22:53:14.0	28.00
08/24/05 23:23:14.0	28.02
08/24/05 23:53:14.0	28.02
08/25/05 00:23:14.0	28.05
08/25/05 00:53:14.0	28.07
08/25/05 01:23:14.0	28.07
08/25/05 01:53:14.0	28.07
08/25/05 02:23:14.0	28.10
08/25/05 02:53:14.0	28.12
08/25/05 03:23:14.0	28.12
08/25/05 03:53:14.0	28.12
08/25/05 04:23:14.0	28.12
08/25/05 04:53:14.0	28.22
08/25/05 05:23:14.0	28.27
08/25/05 05:53:14.0	28.27
08/25/05 06:23:14.0	28.74
08/25/05 06:53:14.0	28.77
08/25/05 07:23:14.0	28.69
08/25/05 07:53:14.0	28.62
08/25/05 08:23:14.0	28.59
08/25/05 08:53:14.0	28.59
08/25/05 09:23:14.0	27.51
08/25/05 09:53:14.0	28.67
08/25/05 10:23:14.0	29.54
08/25/05 10:53:14.0	29.12

Appendix 5
Water Quality Data

No YSI data salvagable at West Bank between August 25, 2005 and October 12, 2005 after hurricane damage

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/23/05 02:33:41.0	22.92
08/23/05 03:03:41.0	21.41
08/23/05 03:33:41.0	21.37
08/23/05 04:03:41.0	21.37
08/23/05 04:33:41.0	21.37
08/23/05 05:03:41.0	21.34
08/23/05 05:33:41.0	21.34
08/23/05 06:03:41.0	21.32
08/23/05 06:33:41.0	21.32
08/23/05 07:03:41.0	21.29
08/23/05 07:33:41.0	21.37
08/23/05 08:03:41.0	21.53
08/23/05 08:33:41.0	21.82
08/23/05 09:03:41.0	22.97
08/23/05 09:33:41.0	22.61
08/23/05 10:03:41.0	25.70
08/23/05 10:33:41.0	28.84
08/23/05 11:03:41.0	30.95
08/23/05 11:33:41.0	29.97
08/23/05 12:03:41.0	30.50
08/23/05 12:33:41.0	31.89
08/23/05 13:03:41.0	33.91
08/23/05 13:33:41.0	33.73
08/23/05 14:03:41.0	33.42
08/23/05 14:33:41.0	33.47
08/23/05 15:03:41.0	33.37
08/23/05 15:33:41.0	33.37
08/23/05 16:03:41.0	33.21
08/23/05 16:33:41.0	33.08
08/23/05 17:03:41.0	32.38
08/23/05 17:33:41.0	31.64
08/23/05 18:03:41.0	31.31
08/23/05 18:33:41.0	31.08
08/23/05 19:03:41.0	30.87
08/23/05 19:33:41.0	30.67
08/23/05 20:03:41.0	30.47
08/23/05 20:33:41.0	30.44
08/23/05 21:03:41.0	30.39
08/23/05 21:33:41.0	30.34
08/23/05 22:03:41.0	30.34
08/23/05 22:33:41.0	30.17
08/23/05 23:03:41.0	30.09
08/23/05 23:33:41.0	30.07
08/24/05 00:03:41.0	30.22
08/24/05 00:33:41.0	30.17
08/24/05 01:03:41.0	30.04
08/24/05 01:33:41.0	29.92
08/24/05 02:03:41.0	29.79
08/24/05 02:33:41.0	29.72
08/24/05 03:03:41.0	29.79
08/24/05 03:33:41.0	29.72
08/24/05 04:03:41.0	29.67
08/24/05 04:33:41.0	29.57
08/24/05 05:03:41.0	29.54
08/24/05 05:33:41.0	29.46
08/24/05 06:03:41.0	29.44
08/24/05 06:33:41.0	29.34
08/24/05 07:03:41.0	29.22
08/24/05 07:33:41.0	29.77
08/24/05 08:03:41.0	31.94
08/24/05 08:33:41.0	31.74
08/24/05 09:03:41.0	34.15
08/24/05 09:33:41.0	35.72
08/24/05 10:03:41.0	36.17

Series	Temperature (*C)
Logger Info	Information specific to the logger
Model	HOBO Water Temp Pro [H20-001]
Serial Number	595392
Memory Size (Bytes)	32768
Deployment	12
Series Info	Information about the data in the series
Points Used	2368
First Point	08/23/05 02:33:41.0
Last Point	10/11/05 10:03:41.0
Duration	49 Days 07:30:00.0
Stats	Calculated from the series
Wrap Count	0
Max Value	37.18
Min Value	21.29
Avg Value	29.42
Launch Parameters	
Load Time	08/23/2005 07:33:39 GMT 08/23/2005 02:33:39 Local
Launch Time	08/23/2005 07:33:41 GMT 08/23/2005 02:33:41 Local
Logging Time	08/23/2005 07:33:41 GMT 08/23/2005 02:33:41 Local
Sampling Interval	1800
Wrap	1 = (TRUE/ON/CLOSED/TYPE 1)
Stealth Enable	0 = (FALSE/OFF/OPEN/TYPE 0)
End of Data	0xF6E_00
Wrap Count	0
Description String	WFGB 8/23/05 595392
Time Zone	GMT-300 Minutes TZ set on Launch

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/24/05 10:33:41.0	36.85
08/24/05 11:03:41.0	37.18
08/24/05 11:33:41.0	36.44
08/24/05 12:03:41.0	32.46
08/24/05 12:33:41.0	32.30
08/24/05 13:03:41.0	30.98
08/24/05 13:33:41.0	31.89
08/24/05 14:03:41.0	32.30
08/24/05 14:33:41.0	35.10
08/24/05 15:03:41.0	36.07
08/24/05 15:33:41.0	36.07
08/24/05 16:03:41.0	36.17
08/24/05 16:33:41.0	34.57
08/24/05 17:03:41.0	35.26
08/24/05 17:33:41.0	33.00
08/24/05 18:03:41.0	31.56
08/24/05 18:33:41.0	32.02
08/24/05 19:03:41.0	32.79
08/24/05 19:33:41.0	32.07
08/24/05 20:03:41.0	30.85
08/24/05 20:33:41.0	30.39
08/24/05 21:03:41.0	30.04
08/24/05 21:33:41.0	29.89
08/24/05 22:03:41.0	29.84
08/24/05 22:33:41.0	29.77
08/24/05 23:03:41.0	29.77
08/24/05 23:33:41.0	29.54
08/25/05 00:03:41.0	29.46
08/25/05 00:33:41.0	29.41
08/25/05 01:03:41.0	29.27
08/25/05 01:33:41.0	29.37
08/25/05 02:03:41.0	29.29
08/25/05 02:33:41.0	29.62
08/25/05 03:03:41.0	29.64
08/25/05 03:33:41.0	29.46
08/25/05 04:03:41.0	29.41
08/25/05 04:33:41.0	29.46
08/25/05 05:03:41.0	29.49
08/25/05 05:33:41.0	29.44
08/25/05 06:03:41.0	29.27
08/25/05 06:33:41.0	29.19
08/25/05 07:03:41.0	28.97
08/25/05 07:33:41.0	29.19
08/25/05 08:03:41.0	30.34
08/25/05 08:33:41.0	31.33
08/25/05 09:03:41.0	28.62
08/25/05 09:33:41.0	28.57
08/25/05 10:03:41.0	28.62
08/25/05 10:33:41.0	28.69
08/25/05 11:03:41.0	28.72
08/25/05 11:33:41.0	28.72
08/25/05 12:03:41.0	28.74
08/25/05 12:33:41.0	28.67
08/25/05 13:03:41.0	28.67
08/25/05 13:33:41.0	28.77
08/25/05 14:03:41.0	28.77
08/25/05 14:33:41.0	28.79
08/25/05 15:03:41.0	28.82
08/25/05 15:33:41.0	28.77
08/25/05 16:03:41.0	28.69
08/25/05 16:33:41.0	28.62
08/25/05 17:03:41.0	28.62
08/25/05 17:33:41.0	28.49
08/25/05 18:03:41.0	28.44

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/25/05 18:33:41.0	28.49
08/25/05 19:03:41.0	28.49
08/25/05 19:33:41.0	28.49
08/25/05 20:03:41.0	28.49
08/25/05 20:33:41.0	28.49
08/25/05 21:03:41.0	28.49
08/25/05 21:33:41.0	28.52
08/25/05 22:03:41.0	28.52
08/25/05 22:33:41.0	28.54
08/25/05 23:03:41.0	28.54
08/25/05 23:33:41.0	28.62
08/26/05 00:03:41.0	28.64
08/26/05 00:33:41.0	28.79
08/26/05 01:03:41.0	29.29
08/26/05 01:33:41.0	29.32
08/26/05 02:03:41.0	29.34
08/26/05 02:33:41.0	29.34
08/26/05 03:03:41.0	29.37
08/26/05 03:33:41.0	29.37
08/26/05 04:03:41.0	29.41
08/26/05 04:33:41.0	29.41
08/26/05 05:03:41.0	29.37
08/26/05 05:33:41.0	29.29
08/26/05 06:03:41.0	29.12
08/26/05 06:33:41.0	29.12
08/26/05 07:03:41.0	29.17
08/26/05 07:33:41.0	29.12
08/26/05 08:03:41.0	29.14
08/26/05 08:33:41.0	29.22
08/26/05 09:03:41.0	29.19
08/26/05 09:33:41.0	29.17
08/26/05 10:03:41.0	29.19
08/26/05 10:33:41.0	29.29
08/26/05 11:03:41.0	29.34
08/26/05 11:33:41.0	29.39
08/26/05 12:03:41.0	29.54
08/26/05 12:33:41.0	29.52
08/26/05 13:03:41.0	29.52
08/26/05 13:33:41.0	29.49
08/26/05 14:03:41.0	29.49
08/26/05 14:33:41.0	29.49
08/26/05 15:03:41.0	29.41
08/26/05 15:33:41.0	29.14
08/26/05 16:03:41.0	29.12
08/26/05 16:33:41.0	29.17
08/26/05 17:03:41.0	29.14
08/26/05 17:33:41.0	29.14
08/26/05 18:03:41.0	29.07
08/26/05 18:33:41.0	29.22
08/26/05 19:03:41.0	29.24
08/26/05 19:33:41.0	29.22
08/26/05 20:03:41.0	29.29
08/26/05 20:33:41.0	29.29
08/26/05 21:03:41.0	29.29
08/26/05 21:33:41.0	29.24
08/26/05 22:03:41.0	29.24
08/26/05 22:33:41.0	29.24
08/26/05 23:03:41.0	29.27
08/26/05 23:33:41.0	29.24
08/27/05 00:03:41.0	29.24
08/27/05 00:33:41.0	29.22
08/27/05 01:03:41.0	29.22
08/27/05 01:33:41.0	29.22
08/27/05 02:03:41.0	29.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/27/05 02:33:41.0	29.24
08/27/05 03:03:41.0	29.27
08/27/05 03:33:41.0	29.27
08/27/05 04:03:41.0	29.29
08/27/05 04:33:41.0	29.34
08/27/05 05:03:41.0	29.41
08/27/05 05:33:41.0	29.44
08/27/05 06:03:41.0	29.57
08/27/05 06:33:41.0	29.52
08/27/05 07:03:41.0	29.49
08/27/05 07:33:41.0	29.57
08/27/05 08:03:41.0	29.54
08/27/05 08:33:41.0	29.62
08/27/05 09:03:41.0	29.62
08/27/05 09:33:41.0	29.62
08/27/05 10:03:41.0	29.69
08/27/05 10:33:41.0	29.72
08/27/05 11:03:41.0	29.82
08/27/05 11:33:41.0	29.72
08/27/05 12:03:41.0	29.37
08/27/05 12:33:41.0	29.37
08/27/05 13:03:41.0	29.39
08/27/05 13:33:41.0	29.41
08/27/05 14:03:41.0	29.37
08/27/05 14:33:41.0	29.37
08/27/05 15:03:41.0	29.39
08/27/05 15:33:41.0	29.39
08/27/05 16:03:41.0	29.39
08/27/05 16:33:41.0	29.39
08/27/05 17:03:41.0	29.39
08/27/05 17:33:41.0	29.39
08/27/05 18:03:41.0	29.39
08/27/05 18:33:41.0	29.39
08/27/05 19:03:41.0	29.34
08/27/05 19:33:41.0	29.29
08/27/05 20:03:41.0	29.32
08/27/05 20:33:41.0	29.27
08/27/05 21:03:41.0	29.29
08/27/05 21:33:41.0	29.29
08/27/05 22:03:41.0	29.32
08/27/05 22:33:41.0	29.32
08/27/05 23:03:41.0	29.37
08/27/05 23:33:41.0	29.39
08/28/05 00:03:41.0	29.49
08/28/05 00:33:41.0	29.64
08/28/05 01:03:41.0	29.64
08/28/05 01:33:41.0	29.89
08/28/05 02:03:41.0	29.87
08/28/05 02:33:41.0	29.94
08/28/05 03:03:41.0	30.04
08/28/05 03:33:41.0	30.07
08/28/05 04:03:41.0	30.07
08/28/05 04:33:41.0	30.02
08/28/05 05:03:41.0	30.07
08/28/05 05:33:41.0	30.09
08/28/05 06:03:41.0	30.04
08/28/05 06:33:41.0	30.02
08/28/05 07:03:41.0	30.04
08/28/05 07:33:41.0	30.09
08/28/05 08:03:41.0	30.14
08/28/05 08:33:41.0	30.19
08/28/05 09:03:41.0	30.27
08/28/05 09:33:41.0	30.32
08/28/05 10:03:41.0	30.34

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/28/05 10:33:41.0	30.37
08/28/05 11:03:41.0	30.39
08/28/05 11:33:41.0	30.37
08/28/05 12:03:41.0	30.37
08/28/05 12:33:41.0	30.42
08/28/05 13:03:41.0	30.39
08/28/05 13:33:41.0	29.52
08/28/05 14:03:41.0	29.79
08/28/05 14:33:41.0	29.92
08/28/05 15:03:41.0	30.04
08/28/05 15:33:41.0	30.17
08/28/05 16:03:41.0	30.19
08/28/05 16:33:41.0	30.24
08/28/05 17:03:41.0	30.32
08/28/05 17:33:41.0	30.24
08/28/05 18:03:41.0	30.22
08/28/05 18:33:41.0	30.24
08/28/05 19:03:41.0	30.27
08/28/05 19:33:41.0	30.22
08/28/05 20:03:41.0	30.29
08/28/05 20:33:41.0	30.34
08/28/05 21:03:41.0	30.37
08/28/05 21:33:41.0	30.39
08/28/05 22:03:41.0	30.42
08/28/05 22:33:41.0	30.44
08/28/05 23:03:41.0	30.42
08/28/05 23:33:41.0	30.44
08/29/05 00:03:41.0	30.44
08/29/05 00:33:41.0	30.47
08/29/05 01:03:41.0	30.42
08/29/05 01:33:41.0	30.34
08/29/05 02:03:41.0	30.32
08/29/05 02:33:41.0	30.32
08/29/05 03:03:41.0	30.27
08/29/05 03:33:41.0	30.27
08/29/05 04:03:41.0	30.27
08/29/05 04:33:41.0	30.29
08/29/05 05:03:41.0	30.32
08/29/05 05:33:41.0	30.39
08/29/05 06:03:41.0	30.42
08/29/05 06:33:41.0	30.32
08/29/05 07:03:41.0	30.34
08/29/05 07:33:41.0	30.50
08/29/05 08:03:41.0	30.57
08/29/05 08:33:41.0	30.65
08/29/05 09:03:41.0	30.32
08/29/05 09:33:41.0	30.57
08/29/05 10:03:41.0	30.55
08/29/05 10:33:41.0	30.70
08/29/05 11:03:41.0	30.80
08/29/05 11:33:41.0	30.80
08/29/05 12:03:41.0	30.77
08/29/05 12:33:41.0	30.75
08/29/05 13:03:41.0	30.75
08/29/05 13:33:41.0	30.75
08/29/05 14:03:41.0	30.77
08/29/05 14:33:41.0	30.80
08/29/05 15:03:41.0	30.62
08/29/05 15:33:41.0	30.67
08/29/05 16:03:41.0	30.65
08/29/05 16:33:41.0	30.65
08/29/05 17:03:41.0	30.65
08/29/05 17:33:41.0	30.65
08/29/05 18:03:41.0	30.65

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/29/05 18:33:41.0	30.65
08/29/05 19:03:41.0	30.65
08/29/05 19:33:41.0	30.57
08/29/05 20:03:41.0	30.50
08/29/05 20:33:41.0	30.47
08/29/05 21:03:41.0	30.50
08/29/05 21:33:41.0	30.57
08/29/05 22:03:41.0	30.60
08/29/05 22:33:41.0	30.60
08/29/05 23:03:41.0	30.62
08/29/05 23:33:41.0	29.99
08/30/05 00:03:41.0	29.89
08/30/05 00:33:41.0	29.87
08/30/05 01:03:41.0	30.02
08/30/05 01:33:41.0	29.99
08/30/05 02:03:41.0	30.07
08/30/05 02:33:41.0	30.14
08/30/05 03:03:41.0	30.14
08/30/05 03:33:41.0	30.39
08/30/05 04:03:41.0	30.22
08/30/05 04:33:41.0	30.32
08/30/05 05:03:41.0	30.34
08/30/05 05:33:41.0	30.19
08/30/05 06:03:41.0	30.19
08/30/05 06:33:41.0	30.19
08/30/05 07:03:41.0	30.17
08/30/05 07:33:41.0	30.17
08/30/05 08:03:41.0	30.19
08/30/05 08:33:41.0	30.22
08/30/05 09:03:41.0	30.27
08/30/05 09:33:41.0	30.32
08/30/05 10:03:41.0	30.32
08/30/05 10:33:41.0	30.42
08/30/05 11:03:41.0	30.37
08/30/05 11:33:41.0	30.44
08/30/05 12:03:41.0	30.55
08/30/05 12:33:41.0	30.57
08/30/05 13:03:41.0	30.62
08/30/05 13:33:41.0	30.62
08/30/05 14:03:41.0	30.62
08/30/05 14:33:41.0	30.62
08/30/05 15:03:41.0	30.57
08/30/05 15:33:41.0	30.50
08/30/05 16:03:41.0	30.42
08/30/05 16:33:41.0	30.39
08/30/05 17:03:41.0	30.37
08/30/05 17:33:41.0	30.39
08/30/05 18:03:41.0	30.37
08/30/05 18:33:41.0	30.37
08/30/05 19:03:41.0	30.39
08/30/05 19:33:41.0	30.60
08/30/05 20:03:41.0	30.52
08/30/05 20:33:41.0	30.55
08/30/05 21:03:41.0	30.55
08/30/05 21:33:41.0	30.62
08/30/05 22:03:41.0	30.72
08/30/05 22:33:41.0	30.72
08/30/05 23:03:41.0	30.72
08/30/05 23:33:41.0	30.70
08/31/05 00:03:41.0	30.72
08/31/05 00:33:41.0	30.70
08/31/05 01:03:41.0	30.47
08/31/05 01:33:41.0	30.09
08/31/05 02:03:41.0	30.14

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
08/31/05 02:33:41.0	30.04
08/31/05 03:03:41.0	30.07
08/31/05 03:33:41.0	30.07
08/31/05 04:03:41.0	30.02
08/31/05 04:33:41.0	30.04
08/31/05 05:03:41.0	30.09
08/31/05 05:33:41.0	30.14
08/31/05 06:03:41.0	30.12
08/31/05 06:33:41.0	30.12
08/31/05 07:03:41.0	30.14
08/31/05 07:33:41.0	30.14
08/31/05 08:03:41.0	30.19
08/31/05 08:33:41.0	30.22
08/31/05 09:03:41.0	30.27
08/31/05 09:33:41.0	30.24
08/31/05 10:03:41.0	30.22
08/31/05 10:33:41.0	30.24
08/31/05 11:03:41.0	30.34
08/31/05 11:33:41.0	30.47
08/31/05 12:03:41.0	30.34
08/31/05 12:33:41.0	30.19
08/31/05 13:03:41.0	30.14
08/31/05 13:33:41.0	30.34
08/31/05 14:03:41.0	29.94
08/31/05 14:33:41.0	30.02
08/31/05 15:03:41.0	30.02
08/31/05 15:33:41.0	30.02
08/31/05 16:03:41.0	30.04
08/31/05 16:33:41.0	30.07
08/31/05 17:03:41.0	30.07
08/31/05 17:33:41.0	30.07
08/31/05 18:03:41.0	30.12
08/31/05 18:33:41.0	30.27
08/31/05 19:03:41.0	30.29
08/31/05 19:33:41.0	30.29
08/31/05 20:03:41.0	30.32
08/31/05 20:33:41.0	30.37
08/31/05 21:03:41.0	30.39
08/31/05 21:33:41.0	30.37
08/31/05 22:03:41.0	30.47
08/31/05 22:33:41.0	30.42
08/31/05 23:03:41.0	30.44
08/31/05 23:33:41.0	30.44
09/01/05 00:03:41.0	30.44
09/01/05 00:33:41.0	30.22
09/01/05 01:03:41.0	30.24
09/01/05 01:33:41.0	30.44
09/01/05 02:03:41.0	30.37
09/01/05 02:33:41.0	30.32
09/01/05 03:03:41.0	30.32
09/01/05 03:33:41.0	30.32
09/01/05 04:03:41.0	30.32
09/01/05 04:33:41.0	30.32
09/01/05 05:03:41.0	30.32
09/01/05 05:33:41.0	30.34
09/01/05 06:03:41.0	30.34
09/01/05 06:33:41.0	30.34
09/01/05 07:03:41.0	30.34
09/01/05 07:33:41.0	30.37
09/01/05 08:03:41.0	30.37
09/01/05 08:33:41.0	30.39
09/01/05 09:03:41.0	30.39
09/01/05 09:33:41.0	30.39
09/01/05 10:03:41.0	30.39

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/01/05 10:33:41.0	30.42
09/01/05 11:03:41.0	30.42
09/01/05 11:33:41.0	30.47
09/01/05 12:03:41.0	30.52
09/01/05 12:33:41.0	30.39
09/01/05 13:03:41.0	30.47
09/01/05 13:33:41.0	30.39
09/01/05 14:03:41.0	30.39
09/01/05 14:33:41.0	30.42
09/01/05 15:03:41.0	30.44
09/01/05 15:33:41.0	30.44
09/01/05 16:03:41.0	30.47
09/01/05 16:33:41.0	30.42
09/01/05 17:03:41.0	30.44
09/01/05 17:33:41.0	30.44
09/01/05 18:03:41.0	30.44
09/01/05 18:33:41.0	30.47
09/01/05 19:03:41.0	30.50
09/01/05 19:33:41.0	30.50
09/01/05 20:03:41.0	30.52
09/01/05 20:33:41.0	30.52
09/01/05 21:03:41.0	30.55
09/01/05 21:33:41.0	30.57
09/01/05 22:03:41.0	30.57
09/01/05 22:33:41.0	30.60
09/01/05 23:03:41.0	30.62
09/01/05 23:33:41.0	30.65
09/02/05 00:03:41.0	30.57
09/02/05 00:33:41.0	30.50
09/02/05 01:03:41.0	30.55
09/02/05 01:33:41.0	30.60
09/02/05 02:03:41.0	30.44
09/02/05 02:33:41.0	30.44
09/02/05 03:03:41.0	30.44
09/02/05 03:33:41.0	30.47
09/02/05 04:03:41.0	30.34
09/02/05 04:33:41.0	30.50
09/02/05 05:03:41.0	30.50
09/02/05 05:33:41.0	30.29
09/02/05 06:03:41.0	30.32
09/02/05 06:33:41.0	30.39
09/02/05 07:03:41.0	30.42
09/02/05 07:33:41.0	30.39
09/02/05 08:03:41.0	30.37
09/02/05 08:33:41.0	30.34
09/02/05 09:03:41.0	30.29
09/02/05 09:33:41.0	30.29
09/02/05 10:03:41.0	30.32
09/02/05 10:33:41.0	30.32
09/02/05 11:03:41.0	30.37
09/02/05 11:33:41.0	30.57
09/02/05 12:03:41.0	30.70
09/02/05 12:33:41.0	30.65
09/02/05 13:03:41.0	30.55
09/02/05 13:33:41.0	30.52
09/02/05 14:03:41.0	30.55
09/02/05 14:33:41.0	30.57
09/02/05 15:03:41.0	30.62
09/02/05 15:33:41.0	30.75
09/02/05 16:03:41.0	30.77
09/02/05 16:33:41.0	30.75
09/02/05 17:03:41.0	30.72
09/02/05 17:33:41.0	30.67
09/02/05 18:03:41.0	30.70

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/02/05 18:33:41.0	30.70
09/02/05 19:03:41.0	30.72
09/02/05 19:33:41.0	30.62
09/02/05 20:03:41.0	30.55
09/02/05 20:33:41.0	30.52
09/02/05 21:03:41.0	30.52
09/02/05 21:33:41.0	30.52
09/02/05 22:03:41.0	30.52
09/02/05 22:33:41.0	30.55
09/02/05 23:03:41.0	30.55
09/02/05 23:33:41.0	30.62
09/03/05 00:03:41.0	30.65
09/03/05 00:33:41.0	30.65
09/03/05 01:03:41.0	30.57
09/03/05 01:33:41.0	30.52
09/03/05 02:03:41.0	30.52
09/03/05 02:33:41.0	30.55
09/03/05 03:03:41.0	30.50
09/03/05 03:33:41.0	30.52
09/03/05 04:03:41.0	30.52
09/03/05 04:33:41.0	30.47
09/03/05 05:03:41.0	30.47
09/03/05 05:33:41.0	30.50
09/03/05 06:03:41.0	30.50
09/03/05 06:33:41.0	30.47
09/03/05 07:03:41.0	30.42
09/03/05 07:33:41.0	30.47
09/03/05 08:03:41.0	30.52
09/03/05 08:33:41.0	30.57
09/03/05 09:03:41.0	30.60
09/03/05 09:33:41.0	30.60
09/03/05 10:03:41.0	30.55
09/03/05 10:33:41.0	30.52
09/03/05 11:03:41.0	30.52
09/03/05 11:33:41.0	30.55
09/03/05 12:03:41.0	30.55
09/03/05 12:33:41.0	30.55
09/03/05 13:03:41.0	30.55
09/03/05 13:33:41.0	30.55
09/03/05 14:03:41.0	30.57
09/03/05 14:33:41.0	30.60
09/03/05 15:03:41.0	30.60
09/03/05 15:33:41.0	30.60
09/03/05 16:03:41.0	30.57
09/03/05 16:33:41.0	30.60
09/03/05 17:03:41.0	30.60
09/03/05 17:33:41.0	30.57
09/03/05 18:03:41.0	30.52
09/03/05 18:33:41.0	30.47
09/03/05 19:03:41.0	30.47
09/03/05 19:33:41.0	30.47
09/03/05 20:03:41.0	30.50
09/03/05 20:33:41.0	30.47
09/03/05 21:03:41.0	30.47
09/03/05 21:33:41.0	30.47
09/03/05 22:03:41.0	30.44
09/03/05 22:33:41.0	30.44
09/03/05 23:03:41.0	30.42
09/03/05 23:33:41.0	30.44
09/04/05 00:03:41.0	30.44
09/04/05 00:33:41.0	30.44
09/04/05 01:03:41.0	30.50
09/04/05 01:33:41.0	30.52
09/04/05 02:03:41.0	30.55

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/04/05 02:33:41.0	30.55
09/04/05 03:03:41.0	30.55
09/04/05 03:33:41.0	30.55
09/04/05 04:03:41.0	30.57
09/04/05 04:33:41.0	30.57
09/04/05 05:03:41.0	30.57
09/04/05 05:33:41.0	30.55
09/04/05 06:03:41.0	30.52
09/04/05 06:33:41.0	30.52
09/04/05 07:03:41.0	30.55
09/04/05 07:33:41.0	30.57
09/04/05 08:03:41.0	30.57
09/04/05 08:33:41.0	30.60
09/04/05 09:03:41.0	30.62
09/04/05 09:33:41.0	30.62
09/04/05 10:03:41.0	30.60
09/04/05 10:33:41.0	30.60
09/04/05 11:03:41.0	30.60
09/04/05 11:33:41.0	30.55
09/04/05 12:03:41.0	30.60
09/04/05 12:33:41.0	30.60
09/04/05 13:03:41.0	30.62
09/04/05 13:33:41.0	30.62
09/04/05 14:03:41.0	30.62
09/04/05 14:33:41.0	30.62
09/04/05 15:03:41.0	30.60
09/04/05 15:33:41.0	30.57
09/04/05 16:03:41.0	30.55
09/04/05 16:33:41.0	30.52
09/04/05 17:03:41.0	30.47
09/04/05 17:33:41.0	30.44
09/04/05 18:03:41.0	30.42
09/04/05 18:33:41.0	30.42
09/04/05 19:03:41.0	30.44
09/04/05 19:33:41.0	30.47
09/04/05 20:03:41.0	30.50
09/04/05 20:33:41.0	30.52
09/04/05 21:03:41.0	30.50
09/04/05 21:33:41.0	30.50
09/04/05 22:03:41.0	30.52
09/04/05 22:33:41.0	30.50
09/04/05 23:03:41.0	30.52
09/04/05 23:33:41.0	30.52
09/05/05 00:03:41.0	30.52
09/05/05 00:33:41.0	30.52
09/05/05 01:03:41.0	30.52
09/05/05 01:33:41.0	30.52
09/05/05 02:03:41.0	30.55
09/05/05 02:33:41.0	30.55
09/05/05 03:03:41.0	30.55
09/05/05 03:33:41.0	30.52
09/05/05 04:03:41.0	30.52
09/05/05 04:33:41.0	30.52
09/05/05 05:03:41.0	30.55
09/05/05 05:33:41.0	30.55
09/05/05 06:03:41.0	30.55
09/05/05 06:33:41.0	30.55
09/05/05 07:03:41.0	30.55
09/05/05 07:33:41.0	30.55
09/05/05 08:03:41.0	30.52
09/05/05 08:33:41.0	30.55
09/05/05 09:03:41.0	30.52
09/05/05 09:33:41.0	30.47
09/05/05 10:03:41.0	30.44

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/05/05 10:33:41.0	30.50
09/05/05 11:03:41.0	30.52
09/05/05 11:33:41.0	30.57
09/05/05 12:03:41.0	30.60
09/05/05 12:33:41.0	30.60
09/05/05 13:03:41.0	30.47
09/05/05 13:33:41.0	30.14
09/05/05 14:03:41.0	30.27
09/05/05 14:33:41.0	30.39
09/05/05 15:03:41.0	30.39
09/05/05 15:33:41.0	30.42
09/05/05 16:03:41.0	30.44
09/05/05 16:33:41.0	30.50
09/05/05 17:03:41.0	30.47
09/05/05 17:33:41.0	30.47
09/05/05 18:03:41.0	30.42
09/05/05 18:33:41.0	30.37
09/05/05 19:03:41.0	30.34
09/05/05 19:33:41.0	30.34
09/05/05 20:03:41.0	30.34
09/05/05 20:33:41.0	30.37
09/05/05 21:03:41.0	30.37
09/05/05 21:33:41.0	30.37
09/05/05 22:03:41.0	30.37
09/05/05 22:33:41.0	30.39
09/05/05 23:03:41.0	30.39
09/05/05 23:33:41.0	30.39
09/06/05 00:03:41.0	30.37
09/06/05 00:33:41.0	30.34
09/06/05 01:03:41.0	30.32
09/06/05 01:33:41.0	30.32
09/06/05 02:03:41.0	30.34
09/06/05 02:33:41.0	30.32
09/06/05 03:03:41.0	30.34
09/06/05 03:33:41.0	30.34
09/06/05 04:03:41.0	30.34
09/06/05 04:33:41.0	30.34
09/06/05 05:03:41.0	30.34
09/06/05 05:33:41.0	30.37
09/06/05 06:03:41.0	30.37
09/06/05 06:33:41.0	30.17
09/06/05 07:03:41.0	30.17
09/06/05 07:33:41.0	30.19
09/06/05 08:03:41.0	30.09
09/06/05 08:33:41.0	30.12
09/06/05 09:03:41.0	30.17
09/06/05 09:33:41.0	30.19
09/06/05 10:03:41.0	30.22
09/06/05 10:33:41.0	30.27
09/06/05 11:03:41.0	30.27
09/06/05 11:33:41.0	30.32
09/06/05 12:03:41.0	30.32
09/06/05 12:33:41.0	30.27
09/06/05 13:03:41.0	30.24
09/06/05 13:33:41.0	30.29
09/06/05 14:03:41.0	30.32
09/06/05 14:33:41.0	30.34
09/06/05 15:03:41.0	30.37
09/06/05 15:33:41.0	30.27
09/06/05 16:03:41.0	30.24
09/06/05 16:33:41.0	30.27
09/06/05 17:03:41.0	30.29
09/06/05 17:33:41.0	30.32
09/06/05 18:03:41.0	30.44

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/06/05 18:33:41.0	30.42
09/06/05 19:03:41.0	30.42
09/06/05 19:33:41.0	30.42
09/06/05 20:03:41.0	30.42
09/06/05 20:33:41.0	30.42
09/06/05 21:03:41.0	30.29
09/06/05 21:33:41.0	30.32
09/06/05 22:03:41.0	30.32
09/06/05 22:33:41.0	30.32
09/06/05 23:03:41.0	30.37
09/06/05 23:33:41.0	30.37
09/07/05 00:03:41.0	30.37
09/07/05 00:33:41.0	30.37
09/07/05 01:03:41.0	30.39
09/07/05 01:33:41.0	30.37
09/07/05 02:03:41.0	30.37
09/07/05 02:33:41.0	30.34
09/07/05 03:03:41.0	30.34
09/07/05 03:33:41.0	30.34
09/07/05 04:03:41.0	30.37
09/07/05 04:33:41.0	30.37
09/07/05 05:03:41.0	30.37
09/07/05 05:33:41.0	30.34
09/07/05 06:03:41.0	30.37
09/07/05 06:33:41.0	30.39
09/07/05 07:03:41.0	30.39
09/07/05 07:33:41.0	30.42
09/07/05 08:03:41.0	30.42
09/07/05 08:33:41.0	30.44
09/07/05 09:03:41.0	30.44
09/07/05 09:33:41.0	30.47
09/07/05 10:03:41.0	30.47
09/07/05 10:33:41.0	30.27
09/07/05 11:03:41.0	30.24
09/07/05 11:33:41.0	30.24
09/07/05 12:03:41.0	30.24
09/07/05 12:33:41.0	30.24
09/07/05 13:03:41.0	30.29
09/07/05 13:33:41.0	30.29
09/07/05 14:03:41.0	30.32
09/07/05 14:33:41.0	30.29
09/07/05 15:03:41.0	30.32
09/07/05 15:33:41.0	30.29
09/07/05 16:03:41.0	30.29
09/07/05 16:33:41.0	30.29
09/07/05 17:03:41.0	30.29
09/07/05 17:33:41.0	30.27
09/07/05 18:03:41.0	30.27
09/07/05 18:33:41.0	30.12
09/07/05 19:03:41.0	30.12
09/07/05 19:33:41.0	30.12
09/07/05 20:03:41.0	30.14
09/07/05 20:33:41.0	30.17
09/07/05 21:03:41.0	30.14
09/07/05 21:33:41.0	30.17
09/07/05 22:03:41.0	30.19
09/07/05 22:33:41.0	30.22
09/07/05 23:03:41.0	30.22
09/07/05 23:33:41.0	30.22
09/08/05 00:03:41.0	30.19
09/08/05 00:33:41.0	30.14
09/08/05 01:03:41.0	30.12
09/08/05 01:33:41.0	30.09
09/08/05 02:03:41.0	30.09

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/08/05 02:33:41.0	30.12
09/08/05 03:03:41.0	30.09
09/08/05 03:33:41.0	30.12
09/08/05 04:03:41.0	30.14
09/08/05 04:33:41.0	30.14
09/08/05 05:03:41.0	30.14
09/08/05 05:33:41.0	30.17
09/08/05 06:03:41.0	30.19
09/08/05 06:33:41.0	30.19
09/08/05 07:03:41.0	30.19
09/08/05 07:33:41.0	30.19
09/08/05 08:03:41.0	30.19
09/08/05 08:33:41.0	30.19
09/08/05 09:03:41.0	30.19
09/08/05 09:33:41.0	30.19
09/08/05 10:03:41.0	30.19
09/08/05 10:33:41.0	30.19
09/08/05 11:03:41.0	30.19
09/08/05 11:33:41.0	30.14
09/08/05 12:03:41.0	30.14
09/08/05 12:33:41.0	30.14
09/08/05 13:03:41.0	29.99
09/08/05 13:33:41.0	29.89
09/08/05 14:03:41.0	29.92
09/08/05 14:33:41.0	29.92
09/08/05 15:03:41.0	29.92
09/08/05 15:33:41.0	29.94
09/08/05 16:03:41.0	30.02
09/08/05 16:33:41.0	30.07
09/08/05 17:03:41.0	30.07
09/08/05 17:33:41.0	30.09
09/08/05 18:03:41.0	30.09
09/08/05 18:33:41.0	30.12
09/08/05 19:03:41.0	30.14
09/08/05 19:33:41.0	30.07
09/08/05 20:03:41.0	30.07
09/08/05 20:33:41.0	30.07
09/08/05 21:03:41.0	30.04
09/08/05 21:33:41.0	30.04
09/08/05 22:03:41.0	30.07
09/08/05 22:33:41.0	30.04
09/08/05 23:03:41.0	30.04
09/08/05 23:33:41.0	30.02
09/09/05 00:03:41.0	29.99
09/09/05 00:33:41.0	29.99
09/09/05 01:03:41.0	29.97
09/09/05 01:33:41.0	29.92
09/09/05 02:03:41.0	29.92
09/09/05 02:33:41.0	29.94
09/09/05 03:03:41.0	29.97
09/09/05 03:33:41.0	29.97
09/09/05 04:03:41.0	29.99
09/09/05 04:33:41.0	29.99
09/09/05 05:03:41.0	29.97
09/09/05 05:33:41.0	29.97
09/09/05 06:03:41.0	29.97
09/09/05 06:33:41.0	29.97
09/09/05 07:03:41.0	29.97
09/09/05 07:33:41.0	29.97
09/09/05 08:03:41.0	29.97
09/09/05 08:33:41.0	29.99
09/09/05 09:03:41.0	29.92
09/09/05 09:33:41.0	29.89
09/09/05 10:03:41.0	29.89

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/09/05 10:33:41.0	29.87
09/09/05 11:03:41.0	29.87
09/09/05 11:33:41.0	29.92
09/09/05 12:03:41.0	29.92
09/09/05 12:33:41.0	29.82
09/09/05 13:03:41.0	29.79
09/09/05 13:33:41.0	29.79
09/09/05 14:03:41.0	29.79
09/09/05 14:33:41.0	29.79
09/09/05 15:03:41.0	29.77
09/09/05 15:33:41.0	29.77
09/09/05 16:03:41.0	29.79
09/09/05 16:33:41.0	29.77
09/09/05 17:03:41.0	29.79
09/09/05 17:33:41.0	29.79
09/09/05 18:03:41.0	29.87
09/09/05 18:33:41.0	29.87
09/09/05 19:03:41.0	29.84
09/09/05 19:33:41.0	29.84
09/09/05 20:03:41.0	29.87
09/09/05 20:33:41.0	29.87
09/09/05 21:03:41.0	29.87
09/09/05 21:33:41.0	29.89
09/09/05 22:03:41.0	29.87
09/09/05 22:33:41.0	29.79
09/09/05 23:03:41.0	29.82
09/09/05 23:33:41.0	29.74
09/10/05 00:03:41.0	29.59
09/10/05 00:33:41.0	29.59
09/10/05 01:03:41.0	29.54
09/10/05 01:33:41.0	29.49
09/10/05 02:03:41.0	29.62
09/10/05 02:33:41.0	29.69
09/10/05 03:03:41.0	29.79
09/10/05 03:33:41.0	29.99
09/10/05 04:03:41.0	30.02
09/10/05 04:33:41.0	30.02
09/10/05 05:03:41.0	30.02
09/10/05 05:33:41.0	29.99
09/10/05 06:03:41.0	29.97
09/10/05 06:33:41.0	29.92
09/10/05 07:03:41.0	29.77
09/10/05 07:33:41.0	29.67
09/10/05 08:03:41.0	29.49
09/10/05 08:33:41.0	29.39
09/10/05 09:03:41.0	29.29
09/10/05 09:33:41.0	29.34
09/10/05 10:03:41.0	29.41
09/10/05 10:33:41.0	29.57
09/10/05 11:03:41.0	29.62
09/10/05 11:33:41.0	29.64
09/10/05 12:03:41.0	29.59
09/10/05 12:33:41.0	29.57
09/10/05 13:03:41.0	29.52
09/10/05 13:33:41.0	29.57
09/10/05 14:03:41.0	29.54
09/10/05 14:33:41.0	29.52
09/10/05 15:03:41.0	29.54
09/10/05 15:33:41.0	29.57
09/10/05 16:03:41.0	29.57
09/10/05 16:33:41.0	29.59
09/10/05 17:03:41.0	29.59
09/10/05 17:33:41.0	29.59
09/10/05 18:03:41.0	29.59

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/10/05 18:33:41.0	29.62
09/10/05 19:03:41.0	29.62
09/10/05 19:33:41.0	29.62
09/10/05 20:03:41.0	29.62
09/10/05 20:33:41.0	29.62
09/10/05 21:03:41.0	29.62
09/10/05 21:33:41.0	29.64
09/10/05 22:03:41.0	29.67
09/10/05 22:33:41.0	29.64
09/10/05 23:03:41.0	29.64
09/10/05 23:33:41.0	29.67
09/11/05 00:03:41.0	29.72
09/11/05 00:33:41.0	29.97
09/11/05 01:03:41.0	29.92
09/11/05 01:33:41.0	29.89
09/11/05 02:03:41.0	29.87
09/11/05 02:33:41.0	29.87
09/11/05 03:03:41.0	29.84
09/11/05 03:33:41.0	29.79
09/11/05 04:03:41.0	29.79
09/11/05 04:33:41.0	29.79
09/11/05 05:03:41.0	29.79
09/11/05 05:33:41.0	29.77
09/11/05 06:03:41.0	29.79
09/11/05 06:33:41.0	29.79
09/11/05 07:03:41.0	29.77
09/11/05 07:33:41.0	29.72
09/11/05 08:03:41.0	29.67
09/11/05 08:33:41.0	29.62
09/11/05 09:03:41.0	29.64
09/11/05 09:33:41.0	29.69
09/11/05 10:03:41.0	29.69
09/11/05 10:33:41.0	29.67
09/11/05 11:03:41.0	29.62
09/11/05 11:33:41.0	29.64
09/11/05 12:03:41.0	29.69
09/11/05 12:33:41.0	29.69
09/11/05 13:03:41.0	29.69
09/11/05 13:33:41.0	29.72
09/11/05 14:03:41.0	29.72
09/11/05 14:33:41.0	29.74
09/11/05 15:03:41.0	29.74
09/11/05 15:33:41.0	29.74
09/11/05 16:03:41.0	29.77
09/11/05 16:33:41.0	29.74
09/11/05 17:03:41.0	29.72
09/11/05 17:33:41.0	29.74
09/11/05 18:03:41.0	29.77
09/11/05 18:33:41.0	29.74
09/11/05 19:03:41.0	29.72
09/11/05 19:33:41.0	29.67
09/11/05 20:03:41.0	29.64
09/11/05 20:33:41.0	29.64
09/11/05 21:03:41.0	29.67
09/11/05 21:33:41.0	29.69
09/11/05 22:03:41.0	29.69
09/11/05 22:33:41.0	29.64
09/11/05 23:03:41.0	29.59
09/11/05 23:33:41.0	29.62
09/12/05 00:03:41.0	29.59
09/12/05 00:33:41.0	29.49
09/12/05 01:03:41.0	29.44
09/12/05 01:33:41.0	29.52
09/12/05 02:03:41.0	29.62

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/12/05 02:33:41.0	29.67
09/12/05 03:03:41.0	29.67
09/12/05 03:33:41.0	29.72
09/12/05 04:03:41.0	29.74
09/12/05 04:33:41.0	29.72
09/12/05 05:03:41.0	29.74
09/12/05 05:33:41.0	29.74
09/12/05 06:03:41.0	29.72
09/12/05 06:33:41.0	29.69
09/12/05 07:03:41.0	29.64
09/12/05 07:33:41.0	29.59
09/12/05 08:03:41.0	29.54
09/12/05 08:33:41.0	29.52
09/12/05 09:03:41.0	29.49
09/12/05 09:33:41.0	29.46
09/12/05 10:03:41.0	29.49
09/12/05 10:33:41.0	29.46
09/12/05 11:03:41.0	29.46
09/12/05 11:33:41.0	29.52
09/12/05 12:03:41.0	29.52
09/12/05 12:33:41.0	29.57
09/12/05 13:03:41.0	29.57
09/12/05 13:33:41.0	29.52
09/12/05 14:03:41.0	29.49
09/12/05 14:33:41.0	29.54
09/12/05 15:03:41.0	29.54
09/12/05 15:33:41.0	29.54
09/12/05 16:03:41.0	29.49
09/12/05 16:33:41.0	29.52
09/12/05 17:03:41.0	29.49
09/12/05 17:33:41.0	29.49
09/12/05 18:03:41.0	29.46
09/12/05 18:33:41.0	29.46
09/12/05 19:03:41.0	29.46
09/12/05 19:33:41.0	29.46
09/12/05 20:03:41.0	29.44
09/12/05 20:33:41.0	29.39
09/12/05 21:03:41.0	29.32
09/12/05 21:33:41.0	29.34
09/12/05 22:03:41.0	29.39
09/12/05 22:33:41.0	29.37
09/12/05 23:03:41.0	29.32
09/12/05 23:33:41.0	29.29
09/13/05 00:03:41.0	29.27
09/13/05 00:33:41.0	29.24
09/13/05 01:03:41.0	29.27
09/13/05 01:33:41.0	29.27
09/13/05 02:03:41.0	29.24
09/13/05 02:33:41.0	29.22
09/13/05 03:03:41.0	29.27
09/13/05 03:33:41.0	29.29
09/13/05 04:03:41.0	29.29
09/13/05 04:33:41.0	29.29
09/13/05 05:03:41.0	29.32
09/13/05 05:33:41.0	29.32
09/13/05 06:03:41.0	29.32
09/13/05 06:33:41.0	29.32
09/13/05 07:03:41.0	29.34
09/13/05 07:33:41.0	29.37
09/13/05 08:03:41.0	29.39
09/13/05 08:33:41.0	29.41
09/13/05 09:03:41.0	29.46
09/13/05 09:33:41.0	29.49
09/13/05 10:03:41.0	29.54

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/13/05 10:33:41.0	29.49
09/13/05 11:03:41.0	29.57
09/13/05 11:33:41.0	29.59
09/13/05 12:03:41.0	29.59
09/13/05 12:33:41.0	29.62
09/13/05 13:03:41.0	29.62
09/13/05 13:33:41.0	29.62
09/13/05 14:03:41.0	29.62
09/13/05 14:33:41.0	29.59
09/13/05 15:03:41.0	29.62
09/13/05 15:33:41.0	29.59
09/13/05 16:03:41.0	29.59
09/13/05 16:33:41.0	29.57
09/13/05 17:03:41.0	29.57
09/13/05 17:33:41.0	29.57
09/13/05 18:03:41.0	29.52
09/13/05 18:33:41.0	29.49
09/13/05 19:03:41.0	29.49
09/13/05 19:33:41.0	29.49
09/13/05 20:03:41.0	29.49
09/13/05 20:33:41.0	29.49
09/13/05 21:03:41.0	29.49
09/13/05 21:33:41.0	29.46
09/13/05 22:03:41.0	29.44
09/13/05 22:33:41.0	29.44
09/13/05 23:03:41.0	29.41
09/13/05 23:33:41.0	29.41
09/14/05 00:03:41.0	29.39
09/14/05 00:33:41.0	29.39
09/14/05 01:03:41.0	29.37
09/14/05 01:33:41.0	29.37
09/14/05 02:03:41.0	29.37
09/14/05 02:33:41.0	29.37
09/14/05 03:03:41.0	29.39
09/14/05 03:33:41.0	29.39
09/14/05 04:03:41.0	29.41
09/14/05 04:33:41.0	29.39
09/14/05 05:03:41.0	29.39
09/14/05 05:33:41.0	29.39
09/14/05 06:03:41.0	29.39
09/14/05 06:33:41.0	29.39
09/14/05 07:03:41.0	29.41
09/14/05 07:33:41.0	29.46
09/14/05 08:03:41.0	29.54
09/14/05 08:33:41.0	29.59
09/14/05 09:03:41.0	29.62
09/14/05 09:33:41.0	29.64
09/14/05 10:03:41.0	29.69
09/14/05 10:33:41.0	29.72
09/14/05 11:03:41.0	29.72
09/14/05 11:33:41.0	29.77
09/14/05 12:03:41.0	29.77
09/14/05 12:33:41.0	29.72
09/14/05 13:03:41.0	29.77
09/14/05 13:33:41.0	29.74
09/14/05 14:03:41.0	29.77
09/14/05 14:33:41.0	29.74
09/14/05 15:03:41.0	29.72
09/14/05 15:33:41.0	29.72
09/14/05 16:03:41.0	29.69
09/14/05 16:33:41.0	29.67
09/14/05 17:03:41.0	29.67
09/14/05 17:33:41.0	29.64
09/14/05 18:03:41.0	29.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/14/05 18:33:41.0	29.62
09/14/05 19:03:41.0	29.62
09/14/05 19:33:41.0	29.59
09/14/05 20:03:41.0	29.57
09/14/05 20:33:41.0	29.57
09/14/05 21:03:41.0	29.57
09/14/05 21:33:41.0	29.57
09/14/05 22:03:41.0	29.54
09/14/05 22:33:41.0	29.54
09/14/05 23:03:41.0	29.54
09/14/05 23:33:41.0	29.54
09/15/05 00:03:41.0	29.52
09/15/05 00:33:41.0	29.52
09/15/05 01:03:41.0	29.57
09/15/05 01:33:41.0	29.57
09/15/05 02:03:41.0	29.57
09/15/05 02:33:41.0	29.54
09/15/05 03:03:41.0	29.52
09/15/05 03:33:41.0	29.54
09/15/05 04:03:41.0	29.46
09/15/05 04:33:41.0	29.46
09/15/05 05:03:41.0	29.44
09/15/05 05:33:41.0	29.49
09/15/05 06:03:41.0	29.49
09/15/05 06:33:41.0	29.46
09/15/05 07:03:41.0	29.46
09/15/05 07:33:41.0	29.46
09/15/05 08:03:41.0	29.46
09/15/05 08:33:41.0	29.49
09/15/05 09:03:41.0	29.52
09/15/05 09:33:41.0	29.52
09/15/05 10:03:41.0	29.54
09/15/05 10:33:41.0	29.57
09/15/05 11:03:41.0	29.57
09/15/05 11:33:41.0	29.62
09/15/05 12:03:41.0	29.64
09/15/05 12:33:41.0	29.67
09/15/05 13:03:41.0	29.67
09/15/05 13:33:41.0	29.67
09/15/05 14:03:41.0	29.64
09/15/05 14:33:41.0	29.62
09/15/05 15:03:41.0	29.59
09/15/05 15:33:41.0	29.59
09/15/05 16:03:41.0	29.59
09/15/05 16:33:41.0	29.54
09/15/05 17:03:41.0	29.54
09/15/05 17:33:41.0	29.57
09/15/05 18:03:41.0	29.57
09/15/05 18:33:41.0	29.57
09/15/05 19:03:41.0	29.57
09/15/05 19:33:41.0	29.57
09/15/05 20:03:41.0	29.57
09/15/05 20:33:41.0	29.57
09/15/05 21:03:41.0	29.59
09/15/05 21:33:41.0	29.59
09/15/05 22:03:41.0	29.57
09/15/05 22:33:41.0	29.54
09/15/05 23:03:41.0	29.54
09/15/05 23:33:41.0	29.54
09/16/05 00:03:41.0	29.54
09/16/05 00:33:41.0	29.54
09/16/05 01:03:41.0	29.54
09/16/05 01:33:41.0	29.52
09/16/05 02:03:41.0	29.49

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/16/05 02:33:41.0	29.49
09/16/05 03:03:41.0	29.49
09/16/05 03:33:41.0	29.52
09/16/05 04:03:41.0	29.52
09/16/05 04:33:41.0	29.52
09/16/05 05:03:41.0	29.52
09/16/05 05:33:41.0	29.49
09/16/05 06:03:41.0	29.49
09/16/05 06:33:41.0	29.49
09/16/05 07:03:41.0	29.46
09/16/05 07:33:41.0	29.49
09/16/05 08:03:41.0	29.54
09/16/05 08:33:41.0	29.57
09/16/05 09:03:41.0	29.59
09/16/05 09:33:41.0	29.62
09/16/05 10:03:41.0	29.62
09/16/05 10:33:41.0	29.64
09/16/05 11:03:41.0	29.67
09/16/05 11:33:41.0	29.69
09/16/05 12:03:41.0	29.74
09/16/05 12:33:41.0	29.77
09/16/05 13:03:41.0	29.74
09/16/05 13:33:41.0	29.72
09/16/05 14:03:41.0	29.69
09/16/05 14:33:41.0	29.67
09/16/05 15:03:41.0	29.69
09/16/05 15:33:41.0	29.64
09/16/05 16:03:41.0	29.67
09/16/05 16:33:41.0	29.67
09/16/05 17:03:41.0	29.62
09/16/05 17:33:41.0	29.59
09/16/05 18:03:41.0	29.57
09/16/05 18:33:41.0	29.57
09/16/05 19:03:41.0	29.57
09/16/05 19:33:41.0	29.57
09/16/05 20:03:41.0	29.59
09/16/05 20:33:41.0	29.59
09/16/05 21:03:41.0	29.59
09/16/05 21:33:41.0	29.59
09/16/05 22:03:41.0	29.59
09/16/05 22:33:41.0	29.57
09/16/05 23:03:41.0	29.59
09/16/05 23:33:41.0	29.59
09/17/05 00:03:41.0	29.57
09/17/05 00:33:41.0	29.57
09/17/05 01:03:41.0	29.57
09/17/05 01:33:41.0	29.54
09/17/05 02:03:41.0	29.57
09/17/05 02:33:41.0	29.57
09/17/05 03:03:41.0	29.57
09/17/05 03:33:41.0	29.57
09/17/05 04:03:41.0	29.57
09/17/05 04:33:41.0	29.49
09/17/05 05:03:41.0	29.49
09/17/05 05:33:41.0	29.49
09/17/05 06:03:41.0	29.49
09/17/05 06:33:41.0	29.46
09/17/05 07:03:41.0	29.46
09/17/05 07:33:41.0	29.46
09/17/05 08:03:41.0	29.52
09/17/05 08:33:41.0	29.54
09/17/05 09:03:41.0	29.57
09/17/05 09:33:41.0	29.59
09/17/05 10:03:41.0	29.59

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/17/05 10:33:41.0	29.64
09/17/05 11:03:41.0	29.64
09/17/05 11:33:41.0	29.64
09/17/05 12:03:41.0	29.67
09/17/05 12:33:41.0	29.67
09/17/05 13:03:41.0	29.67
09/17/05 13:33:41.0	29.72
09/17/05 14:03:41.0	29.74
09/17/05 14:33:41.0	29.79
09/17/05 15:03:41.0	29.84
09/17/05 15:33:41.0	29.87
09/17/05 16:03:41.0	29.84
09/17/05 16:33:41.0	29.84
09/17/05 17:03:41.0	29.79
09/17/05 17:33:41.0	29.72
09/17/05 18:03:41.0	29.69
09/17/05 18:33:41.0	29.67
09/17/05 19:03:41.0	29.64
09/17/05 19:33:41.0	29.64
09/17/05 20:03:41.0	29.69
09/17/05 20:33:41.0	29.72
09/17/05 21:03:41.0	29.77
09/17/05 21:33:41.0	29.82
09/17/05 22:03:41.0	29.84
09/17/05 22:33:41.0	29.87
09/17/05 23:03:41.0	29.82
09/17/05 23:33:41.0	29.92
09/18/05 00:03:41.0	29.87
09/18/05 00:33:41.0	29.77
09/18/05 01:03:41.0	29.77
09/18/05 01:33:41.0	29.79
09/18/05 02:03:41.0	29.82
09/18/05 02:33:41.0	29.77
09/18/05 03:03:41.0	29.67
09/18/05 03:33:41.0	29.64
09/18/05 04:03:41.0	29.62
09/18/05 04:33:41.0	29.59
09/18/05 05:03:41.0	29.57
09/18/05 05:33:41.0	29.54
09/18/05 06:03:41.0	29.52
09/18/05 06:33:41.0	29.54
09/18/05 07:03:41.0	29.52
09/18/05 07:33:41.0	29.57
09/18/05 08:03:41.0	29.62
09/18/05 08:33:41.0	29.64
09/18/05 09:03:41.0	29.67
09/18/05 09:33:41.0	29.74
09/18/05 10:03:41.0	29.79
09/18/05 10:33:41.0	29.84
09/18/05 11:03:41.0	29.87
09/18/05 11:33:41.0	29.84
09/18/05 12:03:41.0	29.87
09/18/05 12:33:41.0	29.79
09/18/05 13:03:41.0	29.82
09/18/05 13:33:41.0	29.79
09/18/05 14:03:41.0	29.79
09/18/05 14:33:41.0	29.77
09/18/05 15:03:41.0	29.77
09/18/05 15:33:41.0	29.74
09/18/05 16:03:41.0	29.74
09/18/05 16:33:41.0	29.72
09/18/05 17:03:41.0	29.69
09/18/05 17:33:41.0	29.67
09/18/05 18:03:41.0	29.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/18/05 18:33:41.0	29.62
09/18/05 19:03:41.0	29.62
09/18/05 19:33:41.0	29.62
09/18/05 20:03:41.0	29.62
09/18/05 20:33:41.0	29.62
09/18/05 21:03:41.0	29.62
09/18/05 21:33:41.0	29.62
09/18/05 22:03:41.0	29.62
09/18/05 22:33:41.0	29.64
09/18/05 23:03:41.0	29.64
09/18/05 23:33:41.0	29.67
09/19/05 00:03:41.0	29.69
09/19/05 00:33:41.0	29.72
09/19/05 01:03:41.0	29.72
09/19/05 01:33:41.0	29.69
09/19/05 02:03:41.0	29.67
09/19/05 02:33:41.0	29.62
09/19/05 03:03:41.0	29.59
09/19/05 03:33:41.0	29.57
09/19/05 04:03:41.0	29.54
09/19/05 04:33:41.0	29.54
09/19/05 05:03:41.0	29.57
09/19/05 05:33:41.0	29.59
09/19/05 06:03:41.0	29.59
09/19/05 06:33:41.0	29.59
09/19/05 07:03:41.0	29.62
09/19/05 07:33:41.0	29.62
09/19/05 08:03:41.0	29.64
09/19/05 08:33:41.0	29.67
09/19/05 09:03:41.0	29.69
09/19/05 09:33:41.0	29.72
09/19/05 10:03:41.0	29.77
09/19/05 10:33:41.0	29.79
09/19/05 11:03:41.0	29.79
09/19/05 11:33:41.0	29.82
09/19/05 12:03:41.0	29.82
09/19/05 12:33:41.0	29.79
09/19/05 13:03:41.0	29.79
09/19/05 13:33:41.0	29.77
09/19/05 14:03:41.0	29.74
09/19/05 14:33:41.0	29.74
09/19/05 15:03:41.0	29.77
09/19/05 15:33:41.0	29.74
09/19/05 16:03:41.0	29.74
09/19/05 16:33:41.0	29.72
09/19/05 17:03:41.0	29.69
09/19/05 17:33:41.0	29.69
09/19/05 18:03:41.0	29.67
09/19/05 18:33:41.0	29.67
09/19/05 19:03:41.0	29.64
09/19/05 19:33:41.0	29.64
09/19/05 20:03:41.0	29.67
09/19/05 20:33:41.0	29.64
09/19/05 21:03:41.0	29.64
09/19/05 21:33:41.0	29.64
09/19/05 22:03:41.0	29.62
09/19/05 22:33:41.0	29.62
09/19/05 23:03:41.0	29.64
09/19/05 23:33:41.0	29.67
09/20/05 00:03:41.0	29.67
09/20/05 00:33:41.0	29.69
09/20/05 01:03:41.0	29.69
09/20/05 01:33:41.0	29.69
09/20/05 02:03:41.0	29.69

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/20/05 02:33:41.0	29.69
09/20/05 03:03:41.0	29.69
09/20/05 03:33:41.0	29.69
09/20/05 04:03:41.0	29.69
09/20/05 04:33:41.0	29.69
09/20/05 05:03:41.0	29.67
09/20/05 05:33:41.0	29.67
09/20/05 06:03:41.0	29.64
09/20/05 06:33:41.0	29.64
09/20/05 07:03:41.0	29.62
09/20/05 07:33:41.0	29.62
09/20/05 08:03:41.0	29.64
09/20/05 08:33:41.0	29.64
09/20/05 09:03:41.0	29.67
09/20/05 09:33:41.0	29.69
09/20/05 10:03:41.0	29.74
09/20/05 10:33:41.0	29.77
09/20/05 11:03:41.0	29.79
09/20/05 11:33:41.0	29.82
09/20/05 12:03:41.0	29.84
09/20/05 12:33:41.0	29.84
09/20/05 13:03:41.0	29.87
09/20/05 13:33:41.0	29.82
09/20/05 14:03:41.0	29.82
09/20/05 14:33:41.0	29.84
09/20/05 15:03:41.0	29.82
09/20/05 15:33:41.0	29.82
09/20/05 16:03:41.0	29.77
09/20/05 16:33:41.0	29.72
09/20/05 17:03:41.0	29.69
09/20/05 17:33:41.0	29.69
09/20/05 18:03:41.0	29.69
09/20/05 18:33:41.0	29.69
09/20/05 19:03:41.0	29.67
09/20/05 19:33:41.0	29.64
09/20/05 20:03:41.0	29.64
09/20/05 20:33:41.0	29.62
09/20/05 21:03:41.0	29.62
09/20/05 21:33:41.0	29.59
09/20/05 22:03:41.0	29.57
09/20/05 22:33:41.0	29.54
09/20/05 23:03:41.0	29.54
09/20/05 23:33:41.0	29.57
09/21/05 00:03:41.0	29.59
09/21/05 00:33:41.0	29.62
09/21/05 01:03:41.0	29.59
09/21/05 01:33:41.0	29.59
09/21/05 02:03:41.0	29.62
09/21/05 02:33:41.0	29.62
09/21/05 03:03:41.0	29.59
09/21/05 03:33:41.0	29.59
09/21/05 04:03:41.0	29.59
09/21/05 04:33:41.0	29.59
09/21/05 05:03:41.0	29.57
09/21/05 05:33:41.0	29.57
09/21/05 06:03:41.0	29.57
09/21/05 06:33:41.0	29.54
09/21/05 07:03:41.0	29.54
09/21/05 07:33:41.0	29.54
09/21/05 08:03:41.0	29.54
09/21/05 08:33:41.0	29.54
09/21/05 09:03:41.0	29.54
09/21/05 09:33:41.0	29.57
09/21/05 10:03:41.0	29.59

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/21/05 10:33:41.0	29.62
09/21/05 11:03:41.0	29.62
09/21/05 11:33:41.0	29.62
09/21/05 12:03:41.0	29.57
09/21/05 12:33:41.0	29.57
09/21/05 13:03:41.0	29.62
09/21/05 13:33:41.0	29.59
09/21/05 14:03:41.0	29.64
09/21/05 14:33:41.0	29.62
09/21/05 15:03:41.0	29.64
09/21/05 15:33:41.0	29.64
09/21/05 16:03:41.0	29.64
09/21/05 16:33:41.0	29.62
09/21/05 17:03:41.0	29.64
09/21/05 17:33:41.0	29.64
09/21/05 18:03:41.0	29.62
09/21/05 18:33:41.0	29.62
09/21/05 19:03:41.0	29.62
09/21/05 19:33:41.0	29.59
09/21/05 20:03:41.0	29.62
09/21/05 20:33:41.0	29.62
09/21/05 21:03:41.0	29.62
09/21/05 21:33:41.0	29.62
09/21/05 22:03:41.0	29.62
09/21/05 22:33:41.0	29.62
09/21/05 23:03:41.0	29.62
09/21/05 23:33:41.0	29.62
09/22/05 00:03:41.0	29.62
09/22/05 00:33:41.0	29.59
09/22/05 01:03:41.0	29.62
09/22/05 01:33:41.0	29.62
09/22/05 02:03:41.0	29.64
09/22/05 02:33:41.0	29.64
09/22/05 03:03:41.0	29.64
09/22/05 03:33:41.0	29.67
09/22/05 04:03:41.0	29.67
09/22/05 04:33:41.0	29.67
09/22/05 05:03:41.0	29.67
09/22/05 05:33:41.0	29.67
09/22/05 06:03:41.0	29.69
09/22/05 06:33:41.0	29.69
09/22/05 07:03:41.0	29.69
09/22/05 07:33:41.0	29.67
09/22/05 08:03:41.0	29.62
09/22/05 08:33:41.0	29.54
09/22/05 09:03:41.0	29.52
09/22/05 09:33:41.0	29.54
09/22/05 10:03:41.0	29.46
09/22/05 10:33:41.0	29.49
09/22/05 11:03:41.0	29.54
09/22/05 11:33:41.0	29.57
09/22/05 12:03:41.0	29.64
09/22/05 12:33:41.0	29.64
09/22/05 13:03:41.0	29.67
09/22/05 13:33:41.0	29.62
09/22/05 14:03:41.0	29.67
09/22/05 14:33:41.0	29.69
09/22/05 15:03:41.0	29.69
09/22/05 15:33:41.0	29.69
09/22/05 16:03:41.0	29.64
09/22/05 16:33:41.0	29.62
09/22/05 17:03:41.0	29.62
09/22/05 17:33:41.0	29.64
09/22/05 18:03:41.0	29.62

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/22/05 18:33:41.0	29.62
09/22/05 19:03:41.0	29.67
09/22/05 19:33:41.0	29.67
09/22/05 20:03:41.0	29.69
09/22/05 20:33:41.0	29.69
09/22/05 21:03:41.0	29.67
09/22/05 21:33:41.0	29.67
09/22/05 22:03:41.0	29.74
09/22/05 22:33:41.0	29.74
09/22/05 23:03:41.0	29.77
09/22/05 23:33:41.0	29.72
09/23/05 00:03:41.0	29.74
09/23/05 00:33:41.0	29.62
09/23/05 01:03:41.0	29.64
09/23/05 01:33:41.0	29.49
09/23/05 02:03:41.0	29.41
09/23/05 02:33:41.0	29.41
09/23/05 03:03:41.0	29.34
09/23/05 03:33:41.0	29.46
09/23/05 04:03:41.0	29.59
09/23/05 04:33:41.0	29.67
09/23/05 05:03:41.0	29.67
09/23/05 05:33:41.0	29.59
09/23/05 06:03:41.0	29.54
09/23/05 06:33:41.0	29.41
09/23/05 07:03:41.0	29.44
09/23/05 07:33:41.0	29.37
09/23/05 08:03:41.0	29.19
09/23/05 08:33:41.0	29.37
09/23/05 09:03:41.0	29.29
09/23/05 09:33:41.0	29.24
09/23/05 10:03:41.0	29.22
09/23/05 10:33:41.0	29.14
09/23/05 11:03:41.0	29.09
09/23/05 11:33:41.0	29.07
09/23/05 12:03:41.0	28.99
09/23/05 12:33:41.0	28.89
09/23/05 13:03:41.0	28.87
09/23/05 13:33:41.0	28.79
09/23/05 14:03:41.0	28.47
09/23/05 14:33:41.0	28.49
09/23/05 15:03:41.0	28.49
09/23/05 15:33:41.0	28.32
09/23/05 16:03:41.0	28.32
09/23/05 16:33:41.0	28.05
09/23/05 17:03:41.0	27.85
09/23/05 17:33:41.0	27.78
09/23/05 18:03:41.0	27.48
09/23/05 18:33:41.0	27.63
09/23/05 19:03:41.0	27.43
09/23/05 19:33:41.0	27.41
09/23/05 20:03:41.0	27.43
09/23/05 20:33:41.0	27.60
09/23/05 21:03:41.0	27.80
09/23/05 21:33:41.0	27.90
09/23/05 22:03:41.0	27.95
09/23/05 22:33:41.0	28.02
09/23/05 23:03:41.0	28.05
09/23/05 23:33:41.0	28.12
09/24/05 00:03:41.0	28.12
09/24/05 00:33:41.0	28.12
09/24/05 01:03:41.0	28.25
09/24/05 01:33:41.0	28.27
09/24/05 02:03:41.0	28.37

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/24/05 02:33:41.0	28.39
09/24/05 03:03:41.0	28.32
09/24/05 03:33:41.0	28.30
09/24/05 04:03:41.0	28.32
09/24/05 04:33:41.0	28.32
09/24/05 05:03:41.0	28.37
09/24/05 05:33:41.0	28.37
09/24/05 06:03:41.0	28.39
09/24/05 06:33:41.0	28.44
09/24/05 07:03:41.0	28.42
09/24/05 07:33:41.0	28.42
09/24/05 08:03:41.0	28.39
09/24/05 08:33:41.0	28.39
09/24/05 09:03:41.0	28.37
09/24/05 09:33:41.0	28.37
09/24/05 10:03:41.0	28.37
09/24/05 10:33:41.0	28.39
09/24/05 11:03:41.0	28.35
09/24/05 11:33:41.0	28.32
09/24/05 12:03:41.0	28.30
09/24/05 12:33:41.0	28.17
09/24/05 13:03:41.0	28.00
09/24/05 13:33:41.0	27.75
09/24/05 14:03:41.0	27.63
09/24/05 14:33:41.0	27.70
09/24/05 15:03:41.0	27.73
09/24/05 15:33:41.0	27.73
09/24/05 16:03:41.0	27.70
09/24/05 16:33:41.0	28.00
09/24/05 17:03:41.0	28.49
09/24/05 17:33:41.0	28.37
09/24/05 18:03:41.0	28.30
09/24/05 18:33:41.0	28.25
09/24/05 19:03:41.0	28.22
09/24/05 19:33:41.0	28.22
09/24/05 20:03:41.0	28.15
09/24/05 20:33:41.0	28.12
09/24/05 21:03:41.0	28.10
09/24/05 21:33:41.0	28.02
09/24/05 22:03:41.0	28.02
09/24/05 22:33:41.0	27.97
09/24/05 23:03:41.0	28.15
09/24/05 23:33:41.0	28.12
09/25/05 00:03:41.0	28.05
09/25/05 00:33:41.0	28.02
09/25/05 01:03:41.0	28.00
09/25/05 01:33:41.0	27.95
09/25/05 02:03:41.0	27.95
09/25/05 02:33:41.0	27.90
09/25/05 03:03:41.0	27.85
09/25/05 03:33:41.0	27.83
09/25/05 04:03:41.0	27.83
09/25/05 04:33:41.0	27.85
09/25/05 05:03:41.0	27.90
09/25/05 05:33:41.0	27.92
09/25/05 06:03:41.0	27.90
09/25/05 06:33:41.0	27.88
09/25/05 07:03:41.0	27.92
09/25/05 07:33:41.0	27.90
09/25/05 08:03:41.0	27.88
09/25/05 08:33:41.0	28.05
09/25/05 09:03:41.0	28.10
09/25/05 09:33:41.0	28.07
09/25/05 10:03:41.0	28.05

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/25/05 10:33:41.0	28.05
09/25/05 11:03:41.0	28.07
09/25/05 11:33:41.0	28.12
09/25/05 12:03:41.0	28.15
09/25/05 12:33:41.0	28.15
09/25/05 13:03:41.0	28.12
09/25/05 13:33:41.0	27.90
09/25/05 14:03:41.0	27.85
09/25/05 14:33:41.0	27.95
09/25/05 15:03:41.0	28.05
09/25/05 15:33:41.0	28.05
09/25/05 16:03:41.0	27.90
09/25/05 16:33:41.0	27.83
09/25/05 17:03:41.0	27.75
09/25/05 17:33:41.0	27.75
09/25/05 18:03:41.0	27.78
09/25/05 18:33:41.0	27.83
09/25/05 19:03:41.0	27.88
09/25/05 19:33:41.0	28.12
09/25/05 20:03:41.0	28.27
09/25/05 20:33:41.0	28.22
09/25/05 21:03:41.0	28.02
09/25/05 21:33:41.0	27.90
09/25/05 22:03:41.0	27.85
09/25/05 22:33:41.0	27.78
09/25/05 23:03:41.0	27.41
09/25/05 23:33:41.0	27.38
09/26/05 00:03:41.0	27.55
09/26/05 00:33:41.0	27.75
09/26/05 01:03:41.0	27.75
09/26/05 01:33:41.0	27.68
09/26/05 02:03:41.0	27.75
09/26/05 02:33:41.0	27.85
09/26/05 03:03:41.0	27.75
09/26/05 03:33:41.0	27.73
09/26/05 04:03:41.0	27.63
09/26/05 04:33:41.0	27.68
09/26/05 05:03:41.0	27.58
09/26/05 05:33:41.0	27.58
09/26/05 06:03:41.0	27.60
09/26/05 06:33:41.0	27.68
09/26/05 07:03:41.0	27.88
09/26/05 07:33:41.0	27.97
09/26/05 08:03:41.0	28.02
09/26/05 08:33:41.0	28.22
09/26/05 09:03:41.0	28.32
09/26/05 09:33:41.0	28.30
09/26/05 10:03:41.0	28.32
09/26/05 10:33:41.0	28.22
09/26/05 11:03:41.0	27.97
09/26/05 11:33:41.0	27.97
09/26/05 12:03:41.0	27.88
09/26/05 12:33:41.0	27.75
09/26/05 13:03:41.0	27.43
09/26/05 13:33:41.0	27.80
09/26/05 14:03:41.0	28.02
09/26/05 14:33:41.0	27.90
09/26/05 15:03:41.0	28.00
09/26/05 15:33:41.0	28.02
09/26/05 16:03:41.0	28.02
09/26/05 16:33:41.0	28.10
09/26/05 17:03:41.0	28.15
09/26/05 17:33:41.0	28.15
09/26/05 18:03:41.0	28.22

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/26/05 18:33:41.0	28.22
09/26/05 19:03:41.0	28.22
09/26/05 19:33:41.0	28.17
09/26/05 20:03:41.0	28.30
09/26/05 20:33:41.0	28.32
09/26/05 21:03:41.0	28.35
09/26/05 21:33:41.0	28.35
09/26/05 22:03:41.0	28.42
09/26/05 22:33:41.0	28.42
09/26/05 23:03:41.0	28.47
09/26/05 23:33:41.0	28.37
09/27/05 00:03:41.0	28.37
09/27/05 00:33:41.0	28.25
09/27/05 01:03:41.0	28.15
09/27/05 01:33:41.0	28.10
09/27/05 02:03:41.0	28.10
09/27/05 02:33:41.0	28.20
09/27/05 03:03:41.0	28.32
09/27/05 03:33:41.0	28.30
09/27/05 04:03:41.0	28.27
09/27/05 04:33:41.0	28.25
09/27/05 05:03:41.0	28.35
09/27/05 05:33:41.0	28.42
09/27/05 06:03:41.0	28.42
09/27/05 06:33:41.0	28.39
09/27/05 07:03:41.0	28.35
09/27/05 07:33:41.0	28.30
09/27/05 08:03:41.0	28.30
09/27/05 08:33:41.0	28.27
09/27/05 09:03:41.0	28.25
09/27/05 09:33:41.0	28.22
09/27/05 10:03:41.0	28.20
09/27/05 10:33:41.0	28.17
09/27/05 11:03:41.0	28.12
09/27/05 11:33:41.0	28.12
09/27/05 12:03:41.0	27.97
09/27/05 12:33:41.0	27.83
09/27/05 13:03:41.0	27.63
09/27/05 13:33:41.0	27.70
09/27/05 14:03:41.0	27.80
09/27/05 14:33:41.0	28.15
09/27/05 15:03:41.0	28.47
09/27/05 15:33:41.0	28.57
09/27/05 16:03:41.0	28.39
09/27/05 16:33:41.0	28.42
09/27/05 17:03:41.0	28.25
09/27/05 17:33:41.0	28.32
09/27/05 18:03:41.0	28.35
09/27/05 18:33:41.0	28.27
09/27/05 19:03:41.0	28.30
09/27/05 19:33:41.0	28.27
09/27/05 20:03:41.0	28.25
09/27/05 20:33:41.0	28.07
09/27/05 21:03:41.0	28.07
09/27/05 21:33:41.0	28.10
09/27/05 22:03:41.0	28.25
09/27/05 22:33:41.0	28.37
09/27/05 23:03:41.0	28.39
09/27/05 23:33:41.0	28.35
09/28/05 00:03:41.0	28.42
09/28/05 00:33:41.0	28.47
09/28/05 01:03:41.0	28.42
09/28/05 01:33:41.0	28.42
09/28/05 02:03:41.0	28.42

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/28/05 02:33:41.0	28.47
09/28/05 03:03:41.0	28.47
09/28/05 03:33:41.0	28.47
09/28/05 04:03:41.0	28.44
09/28/05 04:33:41.0	28.39
09/28/05 05:03:41.0	28.35
09/28/05 05:33:41.0	28.39
09/28/05 06:03:41.0	28.39
09/28/05 06:33:41.0	28.32
09/28/05 07:03:41.0	28.37
09/28/05 07:33:41.0	28.39
09/28/05 08:03:41.0	28.44
09/28/05 08:33:41.0	28.42
09/28/05 09:03:41.0	28.07
09/28/05 09:33:41.0	28.17
09/28/05 10:03:41.0	28.17
09/28/05 10:33:41.0	28.32
09/28/05 11:03:41.0	28.17
09/28/05 11:33:41.0	28.22
09/28/05 12:03:41.0	28.32
09/28/05 12:33:41.0	28.49
09/28/05 13:03:41.0	28.44
09/28/05 13:33:41.0	28.32
09/28/05 14:03:41.0	28.15
09/28/05 14:33:41.0	28.05
09/28/05 15:03:41.0	27.88
09/28/05 15:33:41.0	27.68
09/28/05 16:03:41.0	27.60
09/28/05 16:33:41.0	27.51
09/28/05 17:03:41.0	27.33
09/28/05 17:33:41.0	27.21
09/28/05 18:03:41.0	27.19
09/28/05 18:33:41.0	27.14
09/28/05 19:03:41.0	27.16
09/28/05 19:33:41.0	27.36
09/28/05 20:03:41.0	27.48
09/28/05 20:33:41.0	27.46
09/28/05 21:03:41.0	27.65
09/28/05 21:33:41.0	27.68
09/28/05 22:03:41.0	27.70
09/28/05 22:33:41.0	27.73
09/28/05 23:03:41.0	27.75
09/28/05 23:33:41.0	27.75
09/29/05 00:03:41.0	27.78
09/29/05 00:33:41.0	27.78
09/29/05 01:03:41.0	27.80
09/29/05 01:33:41.0	27.83
09/29/05 02:03:41.0	27.85
09/29/05 02:33:41.0	27.92
09/29/05 03:03:41.0	27.92
09/29/05 03:33:41.0	28.02
09/29/05 04:03:41.0	27.92
09/29/05 04:33:41.0	27.83
09/29/05 05:03:41.0	27.73
09/29/05 05:33:41.0	27.73
09/29/05 06:03:41.0	27.70
09/29/05 06:33:41.0	27.73
09/29/05 07:03:41.0	27.75
09/29/05 07:33:41.0	27.78
09/29/05 08:03:41.0	27.80
09/29/05 08:33:41.0	27.97
09/29/05 09:03:41.0	27.97
09/29/05 09:33:41.0	27.90
09/29/05 10:03:41.0	27.83

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/29/05 10:33:41.0	27.78
09/29/05 11:03:41.0	27.80
09/29/05 11:33:41.0	27.85
09/29/05 12:03:41.0	28.10
09/29/05 12:33:41.0	28.32
09/29/05 13:03:41.0	28.42
09/29/05 13:33:41.0	28.57
09/29/05 14:03:41.0	28.67
09/29/05 14:33:41.0	28.79
09/29/05 15:03:41.0	28.84
09/29/05 15:33:41.0	28.82
09/29/05 16:03:41.0	28.84
09/29/05 16:33:41.0	28.94
09/29/05 17:03:41.0	28.94
09/29/05 17:33:41.0	29.02
09/29/05 18:03:41.0	29.07
09/29/05 18:33:41.0	29.07
09/29/05 19:03:41.0	29.04
09/29/05 19:33:41.0	29.04
09/29/05 20:03:41.0	29.02
09/29/05 20:33:41.0	29.02
09/29/05 21:03:41.0	28.97
09/29/05 21:33:41.0	28.99
09/29/05 22:03:41.0	29.02
09/29/05 22:33:41.0	29.02
09/29/05 23:03:41.0	29.04
09/29/05 23:33:41.0	29.04
09/30/05 00:03:41.0	29.04
09/30/05 00:33:41.0	29.04
09/30/05 01:03:41.0	29.12
09/30/05 01:33:41.0	29.14
09/30/05 02:03:41.0	29.12
09/30/05 02:33:41.0	29.07
09/30/05 03:03:41.0	28.99
09/30/05 03:33:41.0	28.99
09/30/05 04:03:41.0	29.02
09/30/05 04:33:41.0	29.04
09/30/05 05:03:41.0	29.12
09/30/05 05:33:41.0	29.22
09/30/05 06:03:41.0	29.22
09/30/05 06:33:41.0	29.24
09/30/05 07:03:41.0	29.27
09/30/05 07:33:41.0	29.19
09/30/05 08:03:41.0	29.12
09/30/05 08:33:41.0	28.94
09/30/05 09:03:41.0	28.92
09/30/05 09:33:41.0	28.67
09/30/05 10:03:41.0	28.69
09/30/05 10:33:41.0	28.57
09/30/05 11:03:41.0	28.54
09/30/05 11:33:41.0	28.52
09/30/05 12:03:41.0	28.52
09/30/05 12:33:41.0	28.47
09/30/05 13:03:41.0	28.44
09/30/05 13:33:41.0	28.39
09/30/05 14:03:41.0	28.39
09/30/05 14:33:41.0	28.42
09/30/05 15:03:41.0	28.42
09/30/05 15:33:41.0	28.62
09/30/05 16:03:41.0	28.62
09/30/05 16:33:41.0	28.62
09/30/05 17:03:41.0	28.59
09/30/05 17:33:41.0	28.59
09/30/05 18:03:41.0	28.57

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
09/30/05 18:33:41.0	28.57
09/30/05 19:03:41.0	28.64
09/30/05 19:33:41.0	28.69
09/30/05 20:03:41.0	28.72
09/30/05 20:33:41.0	28.74
09/30/05 21:03:41.0	28.79
09/30/05 21:33:41.0	28.84
09/30/05 22:03:41.0	28.84
09/30/05 22:33:41.0	28.84
09/30/05 23:03:41.0	28.87
09/30/05 23:33:41.0	28.87
10/01/05 00:03:41.0	28.87
10/01/05 00:33:41.0	28.89
10/01/05 01:03:41.0	28.97
10/01/05 01:33:41.0	28.99
10/01/05 02:03:41.0	29.09
10/01/05 02:33:41.0	28.87
10/01/05 03:03:41.0	28.74
10/01/05 03:33:41.0	28.69
10/01/05 04:03:41.0	28.64
10/01/05 04:33:41.0	28.64
10/01/05 05:03:41.0	28.57
10/01/05 05:33:41.0	28.54
10/01/05 06:03:41.0	28.49
10/01/05 06:33:41.0	28.49
10/01/05 07:03:41.0	28.49
10/01/05 07:33:41.0	28.49
10/01/05 08:03:41.0	28.44
10/01/05 08:33:41.0	28.44
10/01/05 09:03:41.0	28.42
10/01/05 09:33:41.0	28.44
10/01/05 10:03:41.0	28.44
10/01/05 10:33:41.0	28.47
10/01/05 11:03:41.0	28.54
10/01/05 11:33:41.0	28.52
10/01/05 12:03:41.0	28.42
10/01/05 12:33:41.0	28.37
10/01/05 13:03:41.0	28.37
10/01/05 13:33:41.0	28.37
10/01/05 14:03:41.0	28.39
10/01/05 14:33:41.0	28.39
10/01/05 15:03:41.0	28.42
10/01/05 15:33:41.0	28.42
10/01/05 16:03:41.0	28.42
10/01/05 16:33:41.0	28.44
10/01/05 17:03:41.0	28.44
10/01/05 17:33:41.0	28.44
10/01/05 18:03:41.0	28.44
10/01/05 18:33:41.0	28.47
10/01/05 19:03:41.0	28.47
10/01/05 19:33:41.0	28.52
10/01/05 20:03:41.0	28.49
10/01/05 20:33:41.0	28.47
10/01/05 21:03:41.0	28.49
10/01/05 21:33:41.0	28.49
10/01/05 22:03:41.0	28.52
10/01/05 22:33:41.0	28.52
10/01/05 23:03:41.0	28.47
10/01/05 23:33:41.0	28.49
10/02/05 00:03:41.0	28.49
10/02/05 00:33:41.0	28.52
10/02/05 01:03:41.0	28.52
10/02/05 01:33:41.0	28.52
10/02/05 02:03:41.0	28.49

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/02/05 02:33:41.0	28.49
10/02/05 03:03:41.0	28.47
10/02/05 03:33:41.0	28.42
10/02/05 04:03:41.0	28.37
10/02/05 04:33:41.0	28.35
10/02/05 05:03:41.0	28.35
10/02/05 05:33:41.0	28.37
10/02/05 06:03:41.0	28.39
10/02/05 06:33:41.0	28.47
10/02/05 07:03:41.0	28.49
10/02/05 07:33:41.0	28.49
10/02/05 08:03:41.0	28.49
10/02/05 08:33:41.0	28.52
10/02/05 09:03:41.0	28.52
10/02/05 09:33:41.0	28.52
10/02/05 10:03:41.0	28.52
10/02/05 10:33:41.0	28.52
10/02/05 11:03:41.0	28.52
10/02/05 11:33:41.0	28.52
10/02/05 12:03:41.0	28.54
10/02/05 12:33:41.0	28.54
10/02/05 13:03:41.0	28.54
10/02/05 13:33:41.0	28.52
10/02/05 14:03:41.0	28.49
10/02/05 14:33:41.0	28.42
10/02/05 15:03:41.0	28.35
10/02/05 15:33:41.0	28.35
10/02/05 16:03:41.0	28.39
10/02/05 16:33:41.0	28.42
10/02/05 17:03:41.0	28.44
10/02/05 17:33:41.0	28.47
10/02/05 18:03:41.0	28.44
10/02/05 18:33:41.0	28.39
10/02/05 19:03:41.0	28.39
10/02/05 19:33:41.0	28.37
10/02/05 20:03:41.0	28.35
10/02/05 20:33:41.0	28.37
10/02/05 21:03:41.0	28.39
10/02/05 21:33:41.0	28.39
10/02/05 22:03:41.0	28.42
10/02/05 22:33:41.0	28.42
10/02/05 23:03:41.0	28.42
10/02/05 23:33:41.0	28.42
10/03/05 00:03:41.0	28.42
10/03/05 00:33:41.0	28.42
10/03/05 01:03:41.0	28.42
10/03/05 01:33:41.0	28.42
10/03/05 02:03:41.0	28.42
10/03/05 02:33:41.0	28.42
10/03/05 03:03:41.0	28.42
10/03/05 03:33:41.0	28.47
10/03/05 04:03:41.0	28.47
10/03/05 04:33:41.0	28.42
10/03/05 05:03:41.0	28.27
10/03/05 05:33:41.0	28.27
10/03/05 06:03:41.0	28.27
10/03/05 06:33:41.0	28.30
10/03/05 07:03:41.0	28.30
10/03/05 07:33:41.0	28.30
10/03/05 08:03:41.0	28.30
10/03/05 08:33:41.0	28.32
10/03/05 09:03:41.0	28.32
10/03/05 09:33:41.0	28.35
10/03/05 10:03:41.0	28.32

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/03/05 10:33:41.0	28.20
10/03/05 11:03:41.0	28.22
10/03/05 11:33:41.0	28.25
10/03/05 12:03:41.0	28.30
10/03/05 12:33:41.0	28.30
10/03/05 13:03:41.0	28.27
10/03/05 13:33:41.0	28.27
10/03/05 14:03:41.0	28.54
10/03/05 14:33:41.0	28.44
10/03/05 15:03:41.0	28.44
10/03/05 15:33:41.0	28.52
10/03/05 16:03:41.0	28.57
10/03/05 16:33:41.0	28.54
10/03/05 17:03:41.0	28.49
10/03/05 17:33:41.0	28.62
10/03/05 18:03:41.0	28.82
10/03/05 18:33:41.0	28.97
10/03/05 19:03:41.0	29.24
10/03/05 19:33:41.0	29.34
10/03/05 20:03:41.0	29.34
10/03/05 20:33:41.0	29.32
10/03/05 21:03:41.0	29.39
10/03/05 21:33:41.0	29.37
10/03/05 22:03:41.0	29.27
10/03/05 22:33:41.0	29.34
10/03/05 23:03:41.0	29.37
10/03/05 23:33:41.0	29.34
10/04/05 00:03:41.0	29.34
10/04/05 00:33:41.0	29.22
10/04/05 01:03:41.0	29.14
10/04/05 01:33:41.0	29.12
10/04/05 02:03:41.0	29.12
10/04/05 02:33:41.0	29.04
10/04/05 03:03:41.0	28.97
10/04/05 03:33:41.0	28.97
10/04/05 04:03:41.0	28.99
10/04/05 04:33:41.0	28.99
10/04/05 05:03:41.0	28.92
10/04/05 05:33:41.0	28.59
10/04/05 06:03:41.0	28.42
10/04/05 06:33:41.0	28.12
10/04/05 07:03:41.0	28.05
10/04/05 07:33:41.0	28.17
10/04/05 08:03:41.0	28.22
10/04/05 08:33:41.0	28.22
10/04/05 09:03:41.0	28.25
10/04/05 09:33:41.0	28.25
10/04/05 10:03:41.0	28.25
10/04/05 10:33:41.0	28.44
10/04/05 11:03:41.0	28.39
10/04/05 11:33:41.0	28.35
10/04/05 12:03:41.0	28.44
10/04/05 12:33:41.0	28.35
10/04/05 13:03:41.0	28.17
10/04/05 13:33:41.0	28.17
10/04/05 14:03:41.0	28.17
10/04/05 14:33:41.0	28.20
10/04/05 15:03:41.0	28.44
10/04/05 15:33:41.0	28.25
10/04/05 16:03:41.0	28.07
10/04/05 16:33:41.0	28.27
10/04/05 17:03:41.0	28.39
10/04/05 17:33:41.0	28.49
10/04/05 18:03:41.0	28.64

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/04/05 18:33:41.0	28.72
10/04/05 19:03:41.0	28.77
10/04/05 19:33:41.0	28.82
10/04/05 20:03:41.0	28.84
10/04/05 20:33:41.0	28.82
10/04/05 21:03:41.0	28.79
10/04/05 21:33:41.0	28.79
10/04/05 22:03:41.0	28.79
10/04/05 22:33:41.0	28.84
10/04/05 23:03:41.0	28.77
10/04/05 23:33:41.0	28.39
10/05/05 00:03:41.0	28.42
10/05/05 00:33:41.0	28.42
10/05/05 01:03:41.0	28.44
10/05/05 01:33:41.0	28.47
10/05/05 02:03:41.0	28.47
10/05/05 02:33:41.0	28.39
10/05/05 03:03:41.0	28.35
10/05/05 03:33:41.0	28.35
10/05/05 04:03:41.0	28.30
10/05/05 04:33:41.0	28.22
10/05/05 05:03:41.0	28.25
10/05/05 05:33:41.0	28.54
10/05/05 06:03:41.0	28.59
10/05/05 06:33:41.0	28.59
10/05/05 07:03:41.0	28.62
10/05/05 07:33:41.0	28.64
10/05/05 08:03:41.0	28.54
10/05/05 08:33:41.0	28.59
10/05/05 09:03:41.0	28.69
10/05/05 09:33:41.0	28.79
10/05/05 10:03:41.0	28.84
10/05/05 10:33:41.0	28.74
10/05/05 11:03:41.0	28.74
10/05/05 11:33:41.0	28.74
10/05/05 12:03:41.0	28.74
10/05/05 12:33:41.0	28.64
10/05/05 13:03:41.0	28.69
10/05/05 13:33:41.0	28.69
10/05/05 14:03:41.0	28.69
10/05/05 14:33:41.0	28.69
10/05/05 15:03:41.0	28.82
10/05/05 15:33:41.0	28.82
10/05/05 16:03:41.0	28.87
10/05/05 16:33:41.0	28.92
10/05/05 17:03:41.0	29.02
10/05/05 17:33:41.0	29.14
10/05/05 18:03:41.0	29.14
10/05/05 18:33:41.0	29.12
10/05/05 19:03:41.0	29.14
10/05/05 19:33:41.0	29.14
10/05/05 20:03:41.0	29.14
10/05/05 20:33:41.0	29.14
10/05/05 21:03:41.0	29.12
10/05/05 21:33:41.0	29.07
10/05/05 22:03:41.0	29.07
10/05/05 22:33:41.0	29.09
10/05/05 23:03:41.0	29.09
10/05/05 23:33:41.0	29.12
10/06/05 00:03:41.0	29.09
10/06/05 00:33:41.0	29.09
10/06/05 01:03:41.0	29.12
10/06/05 01:33:41.0	29.12
10/06/05 02:03:41.0	29.12

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/06/05 02:33:41.0	29.09
10/06/05 03:03:41.0	29.07
10/06/05 03:33:41.0	29.07
10/06/05 04:03:41.0	29.02
10/06/05 04:33:41.0	29.02
10/06/05 05:03:41.0	28.99
10/06/05 05:33:41.0	28.99
10/06/05 06:03:41.0	28.97
10/06/05 06:33:41.0	28.92
10/06/05 07:03:41.0	28.87
10/06/05 07:33:41.0	28.79
10/06/05 08:03:41.0	28.82
10/06/05 08:33:41.0	28.82
10/06/05 09:03:41.0	28.82
10/06/05 09:33:41.0	29.02
10/06/05 10:03:41.0	29.09
10/06/05 10:33:41.0	29.09
10/06/05 11:03:41.0	29.09
10/06/05 11:33:41.0	29.04
10/06/05 12:03:41.0	29.02
10/06/05 12:33:41.0	29.09
10/06/05 13:03:41.0	29.12
10/06/05 13:33:41.0	29.14
10/06/05 14:03:41.0	29.07
10/06/05 14:33:41.0	29.12
10/06/05 15:03:41.0	29.09
10/06/05 15:33:41.0	29.02
10/06/05 16:03:41.0	29.04
10/06/05 16:33:41.0	29.04
10/06/05 17:03:41.0	29.07
10/06/05 17:33:41.0	29.12
10/06/05 18:03:41.0	29.17
10/06/05 18:33:41.0	29.19
10/06/05 19:03:41.0	29.12
10/06/05 19:33:41.0	29.04
10/06/05 20:03:41.0	29.02
10/06/05 20:33:41.0	29.02
10/06/05 21:03:41.0	29.07
10/06/05 21:33:41.0	29.12
10/06/05 22:03:41.0	29.14
10/06/05 22:33:41.0	29.19
10/06/05 23:03:41.0	29.22
10/06/05 23:33:41.0	29.24
10/07/05 00:03:41.0	29.22
10/07/05 00:33:41.0	29.24
10/07/05 01:03:41.0	29.24
10/07/05 01:33:41.0	29.27
10/07/05 02:03:41.0	29.27
10/07/05 02:33:41.0	29.27
10/07/05 03:03:41.0	29.27
10/07/05 03:33:41.0	29.27
10/07/05 04:03:41.0	29.24
10/07/05 04:33:41.0	29.24
10/07/05 05:03:41.0	29.27
10/07/05 05:33:41.0	29.29
10/07/05 06:03:41.0	29.29
10/07/05 06:33:41.0	29.27
10/07/05 07:03:41.0	29.24
10/07/05 07:33:41.0	29.24
10/07/05 08:03:41.0	29.22
10/07/05 08:33:41.0	29.24
10/07/05 09:03:41.0	29.24
10/07/05 09:33:41.0	29.27
10/07/05 10:03:41.0	29.24

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/07/05 10:33:41.0	29.27
10/07/05 11:03:41.0	29.32
10/07/05 11:33:41.0	29.32
10/07/05 12:03:41.0	29.32
10/07/05 12:33:41.0	29.32
10/07/05 13:03:41.0	29.32
10/07/05 13:33:41.0	29.32
10/07/05 14:03:41.0	29.29
10/07/05 14:33:41.0	29.29
10/07/05 15:03:41.0	29.32
10/07/05 15:33:41.0	29.27
10/07/05 16:03:41.0	29.27
10/07/05 16:33:41.0	29.24
10/07/05 17:03:41.0	29.24
10/07/05 17:33:41.0	29.27
10/07/05 18:03:41.0	29.24
10/07/05 18:33:41.0	29.24
10/07/05 19:03:41.0	29.22
10/07/05 19:33:41.0	29.24
10/07/05 20:03:41.0	29.24
10/07/05 20:33:41.0	29.22
10/07/05 21:03:41.0	29.19
10/07/05 21:33:41.0	29.19
10/07/05 22:03:41.0	29.19
10/07/05 22:33:41.0	29.19
10/07/05 23:03:41.0	29.19
10/07/05 23:33:41.0	29.19
10/08/05 00:03:41.0	29.19
10/08/05 00:33:41.0	29.19
10/08/05 01:03:41.0	29.17
10/08/05 01:33:41.0	29.17
10/08/05 02:03:41.0	29.17
10/08/05 02:33:41.0	29.17
10/08/05 03:03:41.0	29.14
10/08/05 03:33:41.0	29.14
10/08/05 04:03:41.0	29.14
10/08/05 04:33:41.0	29.14
10/08/05 05:03:41.0	29.14
10/08/05 05:33:41.0	29.17
10/08/05 06:03:41.0	29.17
10/08/05 06:33:41.0	29.17
10/08/05 07:03:41.0	29.17
10/08/05 07:33:41.0	29.17
10/08/05 08:03:41.0	29.19
10/08/05 08:33:41.0	29.22
10/08/05 09:03:41.0	29.24
10/08/05 09:33:41.0	29.24
10/08/05 10:03:41.0	29.29
10/08/05 10:33:41.0	29.29
10/08/05 11:03:41.0	29.29
10/08/05 11:33:41.0	29.29
10/08/05 12:03:41.0	29.32
10/08/05 12:33:41.0	29.32
10/08/05 13:03:41.0	29.37
10/08/05 13:33:41.0	29.32
10/08/05 14:03:41.0	29.29
10/08/05 14:33:41.0	29.27
10/08/05 15:03:41.0	29.22
10/08/05 15:33:41.0	29.22
10/08/05 16:03:41.0	29.22
10/08/05 16:33:41.0	29.22
10/08/05 17:03:41.0	29.19
10/08/05 17:33:41.0	29.19
10/08/05 18:03:41.0	29.17

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/08/05 18:33:41.0	29.17
10/08/05 19:03:41.0	29.17
10/08/05 19:33:41.0	29.17
10/08/05 20:03:41.0	29.14
10/08/05 20:33:41.0	29.14
10/08/05 21:03:41.0	29.14
10/08/05 21:33:41.0	29.14
10/08/05 22:03:41.0	29.14
10/08/05 22:33:41.0	29.14
10/08/05 23:03:41.0	29.14
10/08/05 23:33:41.0	29.14
10/09/05 00:03:41.0	29.14
10/09/05 00:33:41.0	29.14
10/09/05 01:03:41.0	29.14
10/09/05 01:33:41.0	29.14
10/09/05 02:03:41.0	29.14
10/09/05 02:33:41.0	29.04
10/09/05 03:03:41.0	29.07
10/09/05 03:33:41.0	29.09
10/09/05 04:03:41.0	29.12
10/09/05 04:33:41.0	29.12
10/09/05 05:03:41.0	29.12
10/09/05 05:33:41.0	29.14
10/09/05 06:03:41.0	29.14
10/09/05 06:33:41.0	29.12
10/09/05 07:03:41.0	29.12
10/09/05 07:33:41.0	29.12
10/09/05 08:03:41.0	29.12
10/09/05 08:33:41.0	29.14
10/09/05 09:03:41.0	29.14
10/09/05 09:33:41.0	29.19
10/09/05 10:03:41.0	29.22
10/09/05 10:33:41.0	29.24
10/09/05 11:03:41.0	29.29
10/09/05 11:33:41.0	29.29
10/09/05 12:03:41.0	29.29
10/09/05 12:33:41.0	29.32
10/09/05 13:03:41.0	29.29
10/09/05 13:33:41.0	29.27
10/09/05 14:03:41.0	29.27
10/09/05 14:33:41.0	29.22
10/09/05 15:03:41.0	29.22
10/09/05 15:33:41.0	29.22
10/09/05 16:03:41.0	29.17
10/09/05 16:33:41.0	29.17
10/09/05 17:03:41.0	29.12
10/09/05 17:33:41.0	29.12
10/09/05 18:03:41.0	29.12
10/09/05 18:33:41.0	29.12
10/09/05 19:03:41.0	29.09
10/09/05 19:33:41.0	29.09
10/09/05 20:03:41.0	29.09
10/09/05 20:33:41.0	29.09
10/09/05 21:03:41.0	29.09
10/09/05 21:33:41.0	29.07
10/09/05 22:03:41.0	29.07
10/09/05 22:33:41.0	29.09
10/09/05 23:03:41.0	29.09
10/09/05 23:33:41.0	29.12
10/10/05 00:03:41.0	29.14
10/10/05 00:33:41.0	29.14
10/10/05 01:03:41.0	29.14
10/10/05 01:33:41.0	29.17
10/10/05 02:03:41.0	29.17

Appendix 5
Water Quality Data

West Flower Garden Bank	
Hobo Data August 23, 2005 - October 11, 2005	
Date/Time	Temp (ºC)
10/10/05 02:33:41.0	29.14
10/10/05 03:03:41.0	29.14
10/10/05 03:33:41.0	29.14
10/10/05 04:03:41.0	29.14
10/10/05 04:33:41.0	29.14
10/10/05 05:03:41.0	29.17
10/10/05 05:33:41.0	29.14
10/10/05 06:03:41.0	29.17
10/10/05 06:33:41.0	29.17
10/10/05 07:03:41.0	29.14
10/10/05 07:33:41.0	29.14
10/10/05 08:03:41.0	29.17
10/10/05 08:33:41.0	29.17
10/10/05 09:03:41.0	29.17
10/10/05 09:33:41.0	29.14
10/10/05 10:03:41.0	29.17
10/10/05 10:33:41.0	29.22
10/10/05 11:03:41.0	29.22
10/10/05 11:33:41.0	29.19
10/10/05 12:03:41.0	29.17
10/10/05 12:33:41.0	29.22
10/10/05 13:03:41.0	29.17
10/10/05 13:33:41.0	29.17
10/10/05 14:03:41.0	29.17
10/10/05 14:33:41.0	29.14
10/10/05 15:03:41.0	29.12
10/10/05 15:33:41.0	29.12
10/10/05 16:03:41.0	29.12
10/10/05 16:33:41.0	29.12
10/10/05 17:03:41.0	29.14
10/10/05 17:33:41.0	29.12
10/10/05 18:03:41.0	29.12
10/10/05 18:33:41.0	29.09
10/10/05 19:03:41.0	29.12
10/10/05 19:33:41.0	29.12
10/10/05 20:03:41.0	29.09
10/10/05 20:33:41.0	29.09
10/10/05 21:03:41.0	29.09
10/10/05 21:33:41.0	29.04
10/10/05 22:03:41.0	29.04
10/10/05 22:33:41.0	29.04
10/10/05 23:03:41.0	29.07
10/10/05 23:33:41.0	29.09
10/11/05 00:03:41.0	29.09
10/11/05 00:33:41.0	29.07
10/11/05 01:03:41.0	29.09
10/11/05 01:33:41.0	29.02
10/11/05 02:03:41.0	29.07
10/11/05 02:33:41.0	29.12
10/11/05 03:03:41.0	29.14
10/11/05 03:33:41.0	29.09
10/11/05 04:03:41.0	29.09
10/11/05 04:33:41.0	29.09
10/11/05 05:03:41.0	29.09
10/11/05 05:33:41.0	29.07
10/11/05 06:03:41.0	28.99
10/11/05 06:33:41.0	29.02
10/11/05 07:03:41.0	29.02
10/11/05 07:33:41.0	28.99
10/11/05 08:03:41.0	29.04
10/11/05 08:33:41.0	29.07
10/11/05 09:03:41.0	29.07
10/11/05 09:33:41.0	34.78
10/11/05 10:03:41.0	23.67

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

April 01, 2004

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens

Order No.: 0403104

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 3/15/2004 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight, QA/QC Manager

Total Number of Pages 018
(Excluding Date Package Cover Sheet)

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record ~~ORIGINAL~~ CB 3-15-4 ORIGINAL

Page 1 of 1

Client: PBS&J
Flower Gardens

Contact Person: Marty Heaney
Phone Number: (281) 493-5100
Fax Number:

Anacon Log Number: 0403104
Due Date:
Turn Around Time:

Delivered By:
Custody Seal (Y/N):
Temperature:

Sampled By: M. HEANEY (Please Print)

Type of Analysis Requested

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	TKN	NO_3/NO_2	T. Phosphorus	Chlorophyll-A	D. NH_3	Hg, Cr	O-PO_4					pH	Remarks
01	water	3/11/04/18:30	4	E-FGB-SUR	X	X	X	X	X	X	X						
02		18:36		E-FGB-MID													
03		18:42		E-FGB-BTM													
04		15:30		W-FGB-SUR													
05		15:35		W-FGB-MID													
06		15:46		W-FGB-BTM													
07		15:50		Dup	X	X	X	X	X	X	X						

Relinquished By: Mark Heaney	Date: 3/15/04	Time: 09:23	Relinquished By:	Date:	Time:
Accepted By: Tommy Gomez	Date: 3/15/04	Time: 9:25	Accepted By: C Booman	Date: 3/15/4	Time: 2:45pm

001

Anacon, Inc. Date: *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-SUR
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 4:53:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 3:50:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 4:53:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.26	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.42	0.10		mg/L	1	3/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-MID
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 4:59:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:06:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 4:59:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.25	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.51	0.10		mg/L	1	3/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-BTM
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 5:04:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:11:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 5:04:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.16	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.37	0.10		mg/L	1	3/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-SUR
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 5:10:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:17:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 5:10:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.13	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.19	0.10		mg/L	1	3/24/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-MID
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 5:15:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:39:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 5:15:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.10	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-BTM
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 5:21:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:45:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 5:21:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.12	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.19	0.10		mg/L	1	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *20-Apr-04*

CLIENT:	PBS & J	**Client Sample ID:**	DUP
Lab Order:	0403104	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	3/11/2004
Lab ID:	0403104-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	3/22/2004 5:26:00 PM
Mercury	ND	0.200		µg/L	1	3/23/2004 4:50:00 PM
Phosphorus	ND	10.0		µg/L	1	3/22/2004 5:26:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.12	0.03		mg/L	1	3/19/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/29/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/24/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/24/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/19/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **KH**
Nitrogen, Kjeldahl, Total	0.33	0.10		mg/L	1	3/24/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: 20-Apr-04

CLIENT: PBS & J
Work Order: 0403104
Project: Flower Gardens

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: **LCS WATER** SampType: **LCS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040322A**
Client ID: **ZZZZZ** Batch ID: **R1967** TestNo: **E200.8** Analysis Date: **3/22/2004** SeqNo: **28291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	108.5	1.17	100	0	108	75	125	0	0		
Phosphorus	96.36	3.00	100	0	96.4	75	125	0	0		

Sample ID: **LCS WATER** SampType: **LCS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040323A**
Client ID: **ZZZZZ** Batch ID: **R1991** TestNo: **E200.8** Analysis Date: **3/23/2004** SeqNo: **28437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.756	0.200	4	0	93.9	75	125	0	0		

Sample ID: **0403100-001A-MS** SampType: **MS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040322A**
Client ID: **ZZZZZ** Batch ID: **R1967** TestNo: **E200.8** Analysis Date: **3/22/2004** SeqNo: **28295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	524.7	1.17	500	0	105	70	130	0	0		
Phosphorus	ND	3.00	500	0	0	70	130	0	0		S

Sample ID: **0403104-001A-MS** SampType: **MS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040323A**
Client ID: **E-FGB-SUR** Batch ID: **R1991** TestNo: **E200.8** Analysis Date: **3/23/2004** SeqNo: **28439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	6.947	0.200	5	3.151	75.9	70	130	0	0		

Sample ID: **0403100-001A-MSD** SampType: **MSD** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040322A**
Client ID: **ZZZZZ** Batch ID: **R1967** TestNo: **E200.8** Analysis Date: **3/22/2004** SeqNo: **28296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	526	1.17	500	0	105	70	130	524.7	0.247	25	
Phosphorus	ND	3.00	500	0	0	70	130	0	0	25	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: PBS & J
Work Order: 0403104
Project: Flower Gardens

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: **0403104-001A-MSD** SampType: **MSD** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040323A**
Client ID: **E-FGB-SUR** Batch ID: **R1991** TestNo: **E200.8** Analysis Date: **3/23/2004** SeqNo: **28440**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	6.936	0.200	5	3.151	75.7	70	130	6.947	0.158	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/19/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number:0403105, 0403104

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	2.00	1.98	99	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/19/04

QA/QC REPORT - MS/MSD

Sample ID: 0403105-18 MS/MSD
Anacon Number:0403105, 0403104

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS	
									RPD	% REC
Ammonia (as N) - 350.3	< 0.03	0.09	4.00	4.08	100	4.09	100	0.24	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/24/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0403104, 0403129

Matrix: Aqueous Liquid
Units: mg/l

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Nitrate 353.4	<0.05	0.411	0.4663	113	80-120
Nitrite	<0.03	0.553	0.5318	96	80-120
Nitrite/Nitrate	<0.05	0.964	0.9981	104	80-120

LCS Advisory Limits

RPD: 0 out of 3 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/24/04

QA/QC REPORT - MS

Sample ID: 0403104-02 MS
Anacon Number: 0403104, 0403129

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	SMP		Spike Level	MS	MS % REC	MSD	MSD % REC	RPD	QC limits % REC
Nitrate 353.4	0.11	0	0.411	0.130	22%	0.247	50%	79.5%	80-120
Nitrite	0.01	0	0.553	0.444	79%	0.436	77%	1.9%	80-120
Nitrite/Nitrate	0.119	0	0.964	0.574	54%	0.683	66%	18.8%	80-120

MS Advisory Limits
RPD: 2 of 3 outside of QC limits
REC: 6 of 6 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/19/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0403105, 0403104, 0403129

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	pike Con	LCS Conc.	% Recovery	Recovery Limits
Ortho-Phosphate SM 4500 P D	<0.01	0.259	0.223	86	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/19/04

QA/QC REPORT - MS/MSD

Sample ID: 0403105-01 MS/MSD
Anacon Number: 0403105, 0403104, 0403129

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sampl	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ortho-Phosphate SM 4500 P D	< 0.01	0.1169	0.259	0.32	78.34	0.340	86.02	6.03	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 1 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/24/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0403104, 0403089, 0403167, 0403129, 0403105
Matrix: Aqueous liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN 351.5	<0.3	3.33	2.99	90	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager M Knight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 3/24/04

QA/QC REPORT - MS

Sample ID: 0403104-01 **MS/MSD**
Anacon Number: 0403104, 0403089, 0403167, 0403129

Matrix: **Aqueous liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike	MS	% REC				QC LIMITS	
			Level							% REC
TKN 351.5	< 0.30	0.42	3.33	4.15	112.0					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 outside of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

August 02, 2004

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: July - FGB

Order No.: 0407132

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 7/19/2004 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight, QA/QC Manager

Total Number of Pages 017
(Excluding Date Package Cover Sheet)

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record ORIGINAL

Page 1 of 1

Client: PBS&J
JULY - FGB (HOUSTON OFFICE)

Contact Person: MARTY HEANEY
Phone Number: (281) 493-5160
Fax Number: (281) 493-1047

Anacon Log Number: 0407132
Due Date:
Turn Around Time:

Delivered By: C. Lanson
Custody Seal (Y/N): yes
Temperature: 4°C

Sampled By: PBS&J
Please Print

Type of Analysis Requested

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	TKN	NO_3/NO_2	T. Phosphorus	Chlorophyll-A	SOLUBLE REACTIVE Phosphorus	DISSOLVED NH_3	Hg, Cr	pH	Remarks
01	WATER		4	E - FGB - SUR	X	X	X	X	X	X	X		
02				E - FGB - MID									
03				E - FGB - BTM									
04				W - FGB - SUR									
05				W - FGB - MID									
06				W - FGB - BTM									
07				FGB - DUP	X	X	X	X	X	X	X		

Relinquished By: [illegible]	Date: 7-19-04	Time: 11:18	Relinquished By: [illegible] Larsen	Date: 7-19-04	Time: 3:20
Accepted By: [illegible]	Date: 7-19-04	Time: 11:18	Accepted By: Boman	Date: 7/19/04	Time: 320
Relinquished By: [illegible] T. Gray	Date: 7-19-04	Time: 1445	Relinquished By:	Date:	Time:
Accepted By: [illegible]	Date: 7-19-04	Time: 14:45	Accepted By:	Date:	Time:

001

Anacon, Inc.

Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-SUR
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 4:37:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 4:37:00 PM
Phosphorus	22.7	3.00		µg/L	1	7/23/2004 4:37:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	ND	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m³	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.33	0.10		mg/L	1	7/27/2004 8:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-MID
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 4:54:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 4:54:00 PM
Phosphorus	19.2	3.00		µg/L	1	7/23/2004 4:54:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m^3	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Anacon, Inc.

Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	E-FGB-BTM
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 5:00:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 5:00:00 PM
Phosphorus	21.2	3.00		µg/L	1	7/23/2004 5:00:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m^3	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Anacon, Inc.

Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-SUR
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 5:05:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 5:05:00 PM
Phosphorus	29.2	3.00		µg/L	1	7/23/2004 5:05:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m^3	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-MID
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 5:11:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 5:11:00 PM
Phosphorus	23.1	3.00		µg/L	1	7/23/2004 5:11:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	ND	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m^3	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-BTM
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 5:28:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 5:28:00 PM
Phosphorus	16.2	3.00		µg/L	1	7/23/2004 5:28:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	ND	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m^3	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. Date: *29-Jul-04*

CLIENT:	PBS & J	**Client Sample ID:**	FGB - DUP
Lab Order:	0407132	**Tag Number:**	
Project:	July - FGB	**Collection Date:**	
Lab ID:	0407132-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	7/23/2004 5:34:00 PM
Mercury	ND	1.14		µg/L	1	7/23/2004 5:34:00 PM
Phosphorus	24.8	3.00		µg/L	1	7/23/2004 5:34:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	ND	0.03		mg/L	1	7/22/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	2.00		mg/m³	1	7/22/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	7/27/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	7/27/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **HN**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	7/23/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	ND	0.10		mg/L	1	7/28/2004 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *30-Jul-04*

009

CLIENT: PBS & J
Work Order: 0407132
Project: July - FGB

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: **LCS WATER** SampType: **LCS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040723C**
Client ID: **ZZZZZ** Batch ID: **R3118** TestNo: **E200.8** Analysis Date: **7/23/2004** SeqNo: **39950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	106.8	1.17	100	0	107	75	125	0	0		
Mercury	4.676	1.14	5	0	93.5	75	125	0	0		
Phosphorus	110.1	3.00	100	5.637	104	75	125	0	0		

Sample ID: **0407132-001A-MS** SampType: **MS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040723C**
Client ID: **E-FGB-SUR** Batch ID: **R3118** TestNo: **E200.8** Analysis Date: **7/23/2004** SeqNo: **39952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	117.7	1.17	100	0	118	70	130	0	0		
Mercury	5.846	1.14	5	0	117	70	130	0	0		
Phosphorus	140.5	3.00	100	22.71	118	70	130	0	0		

Sample ID: **0407132-001A-MSD** SampType: **MSD** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040723C**
Client ID: **E-FGB-SUR** Batch ID: **R3118** TestNo: **E200.8** Analysis Date: **7/23/2004** SeqNo: **39953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	118.2	1.17	100	0	118	70	130	117.7	0.424	25	
Mercury	7.883	1.14	5	0	158	70	130	5.846	29.7	25	SR
Phosphorus	156	3.00	100	22.71	133	70	130	140.5	10.5	25	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/22/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0407057, 0407099, 0407132

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	2.00	2.03	102	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager mknight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/22/04

QA/QC REPORT - MS/MSD

Sample ID: 0407057-01 MS/MSD
Anacon Number: 0407057, 0407099, 0407132

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS	
									RPD	% REC
Ammonia (as N) - 350.3	< 0.03	2.91	4.00	6.87	99	6.83	98	0.58	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/22/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0407132

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	2.00	2.00	100	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/22/04

QA/QC REPORT - MS/MSD

Sample ID: 0407132-02 MS/MSD
Anacon Number: 0407132

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike	MS	% REC	MSD	% REC	RPD	QC LIMITS	
			Level						RPD	% REC
Ammonia (as N) - 350.3	< 0.03	0.04	4.00	4.94	122	4.96	123	0.40	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 2 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/27/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0407064, 0407189, 0407190, 0407132

Matrix: Aqueous Liquid
Units: mg/l

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Nitrate 353.4	<0.05	0.817	0.841205	103	80-120
Nitrite	<0.03	0.550	0.6498303	118	80-120
Nitrite/Nitrate	<0.05	1.367	1.4910353	109	80-120

LCS Advisory Limits

RPD: 0 out of 3 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/27/04

QA/QC REPORT - MS

Sample ID: 0407132-01 MS
Anacon Number: 0407064, 0407189, 0407190, 0407132

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	SMP		Spike Level	MS	MS % REC	MSD	MSD % REC	RPD	QC limits % REC
Nitrate 353.4	0.12	0	0.817	-0.67	-87%	-0.465	-62%	34%	80-120
Nitrite	0.01	0	0.550	0.589	105%	0.582	104%	1.2%	80-120
Nitrite/Nitrate	0.126	0	1.367	-0.08	-10%	0.117	5%	598%	80-120

MS Advisory Limits

RPD: 2 : of 3 outside of QC limits
REC: 4 : of 6 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/26/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0407179, 0407138, 0407132, 0407114

Matrix: Aqueous liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN 351.5	<0.3	3.33	3.64	109	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 7/26/04

QA/QC REPORT - MS

Sample ID: 0407179-07 MS/MSD
Anacon Number: 0407179, 0407138, 0407132, 0407114

Matrix: Aqueous liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC					QC LIMITS % REC
TKN 351.5	< 0.30	110.32	40.00	156.80	116.2					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 outside of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager Mlknight

ANACON, INC.

730 FM 1959
HOUSTON, TX 77034

ANALYTICAL AND CONSULTING LABORATORIES

PHONE: (281) 922-7000 • FAX (281) 481-0089

October 12, 2004

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens Sept. 2004

Dear Marty Heaney:

Order No.: 0409150

Anacon, Inc. received 4 samples on 9/23/2004 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight

Melissa Knight, QA/QC Manager

Total Number of Pages 012
(Excluding Date Package Cover Sheet)

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record

ORIGINAL

Page ___ of ___

Client: PBS+J

Contact Person: MARTY HEANEY
Phone Number: 281 493 5100
Fax Number: 281 493 1047

Anacon Log Number: 0409150
Due Date:
Turn Around Time:

001

Delivered By: River Oaks
Custody Seal (Y/N): yes
Temperature: 6°C

Sampled By: M. HEANEY (Please Print)

Type of Analysis Requested

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	Metals	NH3	Chlorophyll	NO3/NO2	React. P	TKN							pH	Remarks
01	WATER		4	EFGB - SURFACE	X	X	X	X	X	X								Cr, Hg, P
02	WATER		4	EFGB - MID	X	X	X	X	X	X								
03	WATER		4	EFGB - BOTTOM	X	X	X	X	X	X								
04	WATER		4	EFGB - DUP	X	X	X	X	X	X								

1200

Relinquished By: [signature]	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By: Matt [signature]	Date:	Time:	Accepted By: [signature]	Date: 9/23/4	Time: 100pm
Relinquished By: [signature]	Date: 9/23/04	Time: 1050	Relinquished By:	Date:	Time:
Accepted By: [signature]	Date: 9/23/04	Time: 1050	Accepted By:	Date:	Time:

Anacon, Inc.

Date: *11-Oct-04*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB - Surface
Lab Order:	0409150	**Tag Number:**	
Project:	Flower Gardens Sept. 2004	**Collection Date:**	
Lab ID:	0409150-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	9/28/2004 4:47:00 PM
Mercury	ND	1.14		µg/L	1	9/28/2004 4:47:00 PM
Phosphorus	ND	3.00		µg/L	1	9/28/2004 4:47:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	10/7/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/6/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/6/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	9/28/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.75	0.10		mg/L	1	9/28/2004 11:40:00 AM

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Anacon, Inc.

Date: *11-Oct-04*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB - Mid
Lab Order:	0409150	**Tag Number:**	
Project:	Flower Gardens Sept. 2004	**Collection Date:**	
Lab ID:	0409150-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	9/28/2004 4:53:00 PM
Mercury	ND	1.14		µg/L	1	9/28/2004 4:53:00 PM
Phosphorus	ND	3.00		µg/L	1	9/28/2004 4:53:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	10/7/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/6/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/6/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	9/28/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.84	0.10		mg/L	1	9/28/2004 11:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *11-Oct-04*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB - Bottom
Lab Order:	0409150	**Tag Number:**	
Project:	Flower Gardens Sept. 2004	**Collection Date:**	
Lab ID:	0409150-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	9/28/2004 4:58:00 PM
Mercury	ND	1.14		µg/L	1	9/28/2004 4:58:00 PM
Phosphorus	ND	3.00		µg/L	1	9/28/2004 4:58:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	10/7/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/6/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/6/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	9/28/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.65	0.10		mg/L	1	9/28/2004 11:40:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *11-Oct-04*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB - Dup
Lab Order:	0409150	**Tag Number:**	
Project:	Flower Gardens Sept. 2004	**Collection Date:**	
Lab ID:	0409150-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Chromium	ND	1.17		µg/L	1	9/28/2004 5:04:00 PM
Mercury	ND	1.14		µg/L	1	9/28/2004 5:04:00 PM
Phosphorus	ND	3.00		µg/L	1	9/28/2004 5:04:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m³	1	10/7/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/6/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/6/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	9/28/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.61	0.10		mg/L	1	9/28/2004 11:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *12-Oct-04*

006

CLIENT: PBS & J
Work Order: 0409150
Project: Flower Gardens Sept. 2004

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: **LCS WATER** SampType: **LCS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040928B**
Client ID: **ZZZZZ** Batch ID: **R3737** TestNo: **E200.8** Analysis Date: **9/28/2004** SeqNo: **46161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	104	1.17	100	0	104	75	125	0	0		
Mercury	5.243	1.14	5	0	105	75	125	0	0		
Phosphorus	93.89	3.00	100	0	93.9	75	125	0	0		

Sample ID: **0409153-001A-MS** SampType: **MS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040928B**
Client ID: **ZZZZZ** Batch ID: **R3737** TestNo: **E200.8** Analysis Date: **9/28/2004** SeqNo: **46163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	114.1	1.17	100	0	114	70	130	0	0		
Mercury	5.332	1.14	5	0	107	70	130	0	0		
Phosphorus	112.6	3.00	100	0	113	70	130	0	0		

Sample ID: **0409153-001A-MSD** SampType: **MSD** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_040928B**
Client ID: **ZZZZZ** Batch ID: **R3737** TestNo: **E200.8** Analysis Date: **9/28/2004** SeqNo: **46164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	109.8	1.17	100	0	110	70	130	114.1	3.84	25	
Mercury	5.389	1.14	5	0	108	70	130	5.332	1.06	25	
Phosphorus	111.1	3.00	100	0	111	70	130	112.6	1.34	25	

1205

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 9/24/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0409056, 0409150, 0409153

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	3.98	100	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 9/24/04

QA/QC REPORT - MS/MSD

Sample ID: 0409056-01 MS/MSD
Anacon Number: 0409056, 0409150, 0409153

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ammonia (as N) - 350.3	< 0.03	2.75	4.00	6.69	99	6.67	98	0.30	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 10/06/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0409150

Matrix: Aqueous Liquid
Units: mg/l

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Nitrate 353.4	<0.05	0.082	0.082	100	80-120
Nitrite	<0.03	0.110	0.113	103	80-120
Nitrite/Nitrate	<0.05	0.192	0.195	102	80-120

LCS Advisory Limits

RPD: 0 out of 3 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 10/06/04

QA/QC REPORT - MS

Sample ID: 0409150-01 MS
Anacon Number: 0409150

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	SMP		Spike	MS	MS	MSD	MSD	RPD	QC limits
			Level		% REC		% REC		% REC
Nitrate 353.4	0.06	0	0.082	0.062	5%	0.054	-5%	14%	80-120
Nitrite	0.00	0	0.110	0.078	71%	0.080	73%	3%	80-120
Nitrite/Nitrate	0.058	0	0.192	0.140	43%	0.134	40%	4%	80-120

MS Advisory Limits

RPD: 1 : of 3 outside of QC limits
REC: 6 : of 6 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager M Knight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - LCS

Sample ID:	**LCS092804**	**Matrix:**	**Aqueous Liquid**
Anacon Number:	**0409134, 9135, 9136, 9146, 9137, 9150 9153**	**Units**	**mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.3	<0.10	3.33	3.59	108	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - DUPLICATE

Sample ID: 0409146-01 **Matrix:** Aqueous Liquid
Anacon Number: 0409134, 9135, 9136, 9146, 9137, 91 **Units** mg/l
9153

Analyte/Method Number	Sample	Sample Duplicate		RPD	QC LIMITS
					RPD
TKN	702.8	697.2		0.8	20

QA/QC Manager MWright

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

December 07, 2004

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens Nov. 2004

Order No.: 0411127

Dear Marty Heaney:

Anacon, Inc. received 3 samples on 11/22/2004 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight

Melissa Knight, QA/QC Manager

Total Number of Pages 012
(Excluding Date Package Cover Sheet)

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record ORIGINAL

Page 1 of 1

Client: PBS+J

Contact Person: MARTY HEANEY
Phone Number: 281 493 5100
Fax Number: 281 493 1047

Anacon Log Number: 041127
Due Date:
Turn Around Time:

Delivered By: River Oaks
Custody Seal (Y/N): yes
Temperature: On ice 5°C

Sampled By: M. HEANEY (Please Print)

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	NH_3	CHLOROPHYLL-A	NO_3/NO_2	REACT. P	TKN	~~Metals~~* MK 11/22/04						pH	Remarks
01	WATER	11/19/04 / 17:16	4	WFGB - SURFACE	X	X	X	X	X	~~X~~							*Cr, Hg, P
02	WATER	↓ / 17:09	4	WFGB - MID	X	X	X	X	X	~~X~~							
03	WATER	↓ / 17:00	4	WFGB - BOTTOM	X	X	X	X	X	~~X~~							

Relinquished By: [signature] River Oaks	Date: 11/22/04 Time:	Relinquished By:	Date:	Time:	
Accepted By: [signature]	Date: Time:	Accepted By:	Date:	Time:	
Relinquished By: #89	Date: Time:	Relinquished By:	Date:	Time:	
Accepted By: [signature]	Date: 11/22/4 Time: 200PM	Accepted By:	Date:	Time:	

001

Anacon, Inc.

Date: *01-Dec-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-Surface
Lab Order:	0411127	**Tag Number:**	
Project:	Flower Gardens Nov. 2004	**Collection Date:**	
Lab ID:	0411127-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	11/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/30/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	12/1/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	12/1/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	11/30/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.70	0.10		mg/L	1	11/23/2004 8:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *01-Dec-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-Mid
Lab Order:	0411127	**Tag Number:**	
Project:	Flower Gardens Nov. 2004	**Collection Date:**	
Lab ID:	0411127-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	11/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/30/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	12/1/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	12/1/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	11/30/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.89	0.10		mg/L	1	11/23/2004 8:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. **Date:** *01-Dec-04*

CLIENT:	PBS & J	**Client Sample ID:**	W-FGB-Bottom
Lab Order:	0411127	**Tag Number:**	
Project:	Flower Gardens Nov. 2004	**Collection Date:**	
Lab ID:	0411127-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	11/24/2004
CHLOROPHYLL-A		**10200HPLC**				Analyst: **KH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/30/2004
NITRATE		**E353.3**				Analyst: **KH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	12/1/2004
NITRITE		**E353.2**				Analyst: **KH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	12/1/2004
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **KH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	11/30/2004
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.75	0.10		mg/L	1	11/23/2004 8:05:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level 1216
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 12/01/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0411127
Matrix: Aqueous Liquid
Units: mg/l

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Nitrate 353.4	<0.05	0.242	0.229	95	80-120
Nitrite	<0.03	0.217	0.219	101	80-120
Nitrite/Nitrate	<0.05	0.459	0.448	98	80-120

LCS Advisory Limits
RPD: 0 out of 3 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 12/01/04

QA/QC REPORT - MS

Sample 0411127-01 MS
Anacon Number: 0411127

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	SMP		Spike Level	MS	MS % REC	MSD		MSD % REC	RPD	QC limits % REC
Nitrate 353.4	0.05	0	0.242	0.215	72%	0.212		70%	1.7%	80-120
Nitrite	0.00	0	0.217	0.209	92%	0.207		91%	1.0%	80-120
Nitrite/Nitrate	0.054	0	0.459	0.424	81%	0.419		80%	1.3%	80-120

MS Advisory Limits

RPD:	0	t of 3 outside of QC limits
REC:	2	t of 6 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

006

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/24/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0411127
Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.05	101	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

007

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/24/04

QA/QC REPORT - MS/MSD

Sample ID: 0411127-01 MS/MSD
Anacon Number: 0411127

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike	MS	% REC	MSD	% REC	RPD	QC LIMITS	
			Level						RPD	% REC
Ammonia (as N) - 350.3	< 0.03	0.03	4.00	4.28	106	4.31	107	0.70	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

008

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/22/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0411108, 0411117, 0411118, 0411127, 0411089

Matrix: Aqueous liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN 351.5	<0.3	3.33	3.59	108	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

609

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/22/04

QA/QC REPORT - MS

Sample ID: 0411108-04 MS/MSD
Anacon Number: 0411108, 0411117, 0411118, 0411127

Matrix: Aqueous liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC					QC LIMITS % REC
TKN 351.5	< 0.30	42.56	40.00	86.24	109.2					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 outside of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager M Knight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/30/04

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0411127
Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc	LCS Conc.	% Recovery	Recovery Limits
Ortho-Phosphate SM 4500 P D	<0.01	0.259	0.280	108	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 11/30/04

QA/QC REPORT - MS/MSD

Sample ID: 0411127-01 **MS/MSD**
Anacon Number: 0411127

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ortho-Phosphate SM 4500 P D	< 0.01	< 0	0.259	0.16	60.66	0.161	62.01	2.20	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 2 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

012

ANACON, INC.

730 FM 1959
HOUSTON, TX 77034

ANALYTICAL AND CONSULTING LABORATORIES

PHONE: (281) 922-7000 • FAX (281) 481-0089

March 22, 2005

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens Feb. 2005

Order No.: 0502211

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 2/28/2005 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses unless noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee

James Lee, Lab Manager

Melissa Knight

Melissa Knight, QA/QC Manager

Total Number of Pages 016
(Including Data Package Cover Sheet)

730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record

ORIGINAL

Page ___ of ___

Client: PBS&J

Contact Person: Marty Heaney
Phone Number:
Fax Number:

Anacon Log Number: 0502211
Due Date:
Turn Around Time:

Delivered By: River Oaks
Custody Seal (Y/N): Yes
Temperature: On Ice 4°C

Sampled By:
Please Print

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	NH_3	Chloro-A	NO_3/NO_2	React P.	TKN	pH	Remarks
01	water	~~2:23~~ 9:33 11/23*	4	WFGB-surface	✓	✓	✓	✓	✓		
02	water	9:56 11/23	4	WFGB-mid	✓	✓	✓	✓	✓		*per
03	water	10:13 11/23	4	WFGB-bottom	✓	✓	✓	✓	✓		Ray Powell
04	water	15:30 11/23	4	EFGB-surface	✓	✓	✓	✓	✓		CB 2-28-5
05	water	1800 11/23	4	Dup	✓	✓	✓	✓	✓		
06	water	1541 11/23	4	EFGB-mid	✓	✓	✓	✓	✓		
07	water	1553 11/23	4	EFGB-bottom	✓	✓	✓	✓	✓		

Relinquished By: Marsha Hale	Date: 2/24/05	Time: 13:30	Relinquished By:	Date:	Time:
Accepted By: [illegible]	Date: 2/25/05	Time: 1330	Accepted By: Oscar Corleto	Date: 2-28-05	Time: 09:15
Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By:	Date:	Time:	Accepted By: CBowman	Date: 2/28/5	Time: 320

1226

001

Anacon, Inc.

Date: *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Surface
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.05	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.26	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level 1227

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Mid
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.05	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.12	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Bottom
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.07	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Surface
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.98	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	DUP
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.17	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Mid
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.03	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. **Date:** *18-Mar-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Bottom
Lab Order:	0502211	**Tag Number:**	
Project:	Flower Gardens Feb. 2005	**Collection Date:**	2/23/2005
Lab ID:	0502211-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	3/1/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	3/11/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	3/4/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	3/4/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	3/4/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.98	0.10		mg/L	1	3/1/2005 8:30:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:03/01/05

QA/QC REPORT - LCS

Sample ID: **LCS**
Anacon Number:0502211, 190

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.14	104	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

009

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:03/01/05

QA/QC REPORT - MS/MSD

Sample ID: 0502211-01 **MS/MSD** **Matrix:** **Aqueous Liquid**
Anacon Number:0502211, 190 **Units** **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ammonia (as N) - 350.3	< 0.03	0.05	4.00	4.04	100	4.06	100	0.49	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager mwright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:03-04-05

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0502211
Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc	LCS Conc.	% Recovery	Recovery Limits
Ortho-Phosphate SM 4500 P D	<0.01	0.651	0.609	93	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:03-04-05

QA/QC REPORT - MS/MSD

Sample ID:0502211-02 **MS/MSD** **Matrix:** **Aqueous Liquid**
Anacon Number: 0502211 **Units** **mg/L**

Analyte/Method Number	Blank	Sample	Spike	MS	% REC	MSD	% REC	RPD	QC LIMITS	
			Level						RPD	% REC
Ortho-Phosphate SM 4500 P D	< 0.01	< 0	0.651	0.43	66.74	0.417	64.1	4.04	10	80-120

MS/MSD Advisory Limits

RPD:	0	out of 1 outside of QC limits
REC:	2	out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - LCS

Sample ID:	LCS1030105	Matrix:	Aqueous Liquid
Anacon Number:	0502209, 196, 208, 211, 197, 198 0502199, 200	Units	mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.3	<0.10	3.33	3.50	105	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - MS/MSD

Sample ID: 0502209-02
Anacon Number: 0502209, 196, 208, 211, 197, 198
0502199, 200

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike	MS	% REC				QC LIMITS	
			Level							% REC
TKN - 351.3	< 0.10	6.44	10.0	18.1	116					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager Mwright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - DUPLICATE

Sample ID: 0502209-03 **Matrix:** Aqueous Liquid
Anacon Number: 0502209, 196, 208, 211, 197, 198 **Units** mg/l
0502199, 200

Analyte/Method Number	Sample	Sample Duplicate		RPD	QC LIMITS
					RPD
TKN	1.82	1.68		8.0	20

QA/QC Manager MKnight

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

June 06, 2005

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens

Order No.: 0505123

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 5/16/2005 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses unless noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight, QA/QC Manager

Total Number of Pages 013
(Including Data Package Cover Sheet)

ANACON, INC.

730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record

ORIGINAL

Page 1 of 1

Client: Flower Gardens
PBS+J

Contact Person: [illegible] Marty Heaney

Phone Number: [illegible]

Fax Number: [illegible]

Anacon Log Number: 0505123

Due Date:

Turn Around Time:

Delivered By: River Oaks

Custody Seal (Y/N): yes

Temperature: On ice

Sampled By:

Please Print

Type of Analysis Requested

Log Number	Sample Matrix water	Date/Time Collected	Number of Containers	Client Sample ID	NH3	Chloro-A	NO3/NO2	TKN	React P	pH	Remarks
01	WFGB-sur	5/10/05 0825	4	WFGB-Sur	✓	✓	✓	✓	✓		
02	WFGB-mid	5/10/05 0835	4	↓ -mid	✓	✓	✓	✓	✓		
03	WFGB-bottom	5/10/05 0845	4	↓ -Bottom	✓	✓	✓	✓	✓		
04	EFGB-sur	5/11/05 0750	4	EFGB-Sur	✓	✓	✓	✓	✓		
05	EFGB-mid	5/11/05 0815	4	↓ -mid	✓	✓	✓	✓	✓		
06	EFGB-bottom	5/11/05 0825	4	↓ -Bottom	✓	✓	✓	✓	✓		
07	Dup	5/12/05 0830	4	Dup	✓	✓	✓	✓	✓		

Relinquished By: C.M.	Date: 5/16/05	Time: 2:15	Relinquished By:	Date:	Time:
Accepted By: Katie Headley	Date: 5/16/05	Time: 2:15	Accepted By:	Date:	Time:
Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By:	Date:	Time:	Accepted By:	Date:	Time:

001

Anacon, Inc. Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Sur
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/10/2005
Lab ID:	0505123-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.89	0.10		mg/L	1	5/23/2005

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

1243

Anacon, Inc.

Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Mid
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/10/2005
Lab ID:	0505123-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.84	0.10		mg/L	1	5/23/2005

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

1244

Anacon, Inc.

Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Bottom
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/10/2005
Lab ID:	0505123-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.93	0.10		mg/L	1	5/23/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Sur
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/11/2005
Lab ID:	0505123-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.70	0.10		mg/L	1	5/23/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level 1246

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Mid
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/11/2005
Lab ID:	0505123-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.79	0.10		mg/L	1	5/23/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. Date: *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Bottom
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/11/2005
Lab ID:	0505123-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.61	0.10		mg/L	1	5/23/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *02-Jun-05*

CLIENT:	PBS & J	**Client Sample ID:**	Dup
Lab Order:	0505123	**Tag Number:**	
Project:	Flower Gardens	**Collection Date:**	5/12/2005
Lab ID:	0505123-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	5/23/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/1/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	5/24/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	5/24/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **ADM**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	5/25/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.70	0.10		mg/L	1	5/23/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:05/23/05

QA/QC REPORT - LCS

Sample ID: **LCS**
Anacon Number:0505123

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.06	102	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKwight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:05/23/05

QA/QC REPORT - MS/MSD

Sample ID: 0505123-01 **MS/MSD** **Matrix:** **Aqueous Liquid**
Anacon Number:0505123 **Units** **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ammonia (as N) - 350.3	< 0.03	0.03	4.00	4.06	102	4.14	104	1.95	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

010

Aracon, Inc.
73 FM 1959
Huston, TX 77034

Date:05/23/05

QA/QC REPORT - LCS

Sample ID: LCS
Aracon Number: 0505123,125

Matrix: Aqueous liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.5	<1.00	3.3	3.55	107	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
30 FM 1959
Houston, TX 77034

DATE:05/23/05

QA/QC REPORT - MS/MSD

Sample ID: 0505123-01 MS&MSD
Anacon Number: 0505123,125

Matrix: Aqueous liquid
Units mg/L

Analyte/Method Number	Blaank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
TKN - 351.3	< 0.300	0.89	3.3	4.5	107.8	4.4	106.3	1.12	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
**Sample too concentrated to spiike

QA/QC Manager MWright

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

July 22, 2005

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens June 2005

Order No.: 0506098

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 6/13/2005 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses unless noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight, QA/QC Manager

Total Number of Pages 15
(Including Data Package Cover Sheet)

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0069 Fax

ORIGINAL

Chain of Custody Record

Page 1 of 1

Client: PBS&J

Contact Person: M. HEANEY
Phone Number: 281 529 4149
Fax Number: 281 493 1047

Anacon Log Number: 0506098
Due Date:
Turn Around Time:

Delivered By: River Oaks
Custody Seal (Y/N): yes
Temperature: On ice 4°C

Sampled By: M. HEANEY (Please Print)

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	NH3	CHLORO-A	NO3/NO2	REACT. P	TKN								pH	Remarks
01	WATER	6/7/05 [illegible]	4	WFGB SUR	✓	✓	✓	✓	✓									
02	WATER	6/7/05 [illegible]	4	WFGB MID	✓	✓	✓	✓	✓									
03	WATER	6/7/05 1815	4	WFGB BOT	✓	✓	✓	✓	✓									
04	WATER	6/8/05 1928	4	EFGB SUR	✓	✓	✓	✓	✓									
05	WATER	6/8/05 1940	4	EFGB MID	✓	✓	✓	✓	✓									
06	WATER	6/8/05 1950	4	EFGB BOT	✓	✓	✓	✓	✓									
07	WATER	6/9/05 1940	4	DUP	✓	✓	✓	✓	✓									

Relinquished By: [signature]	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By: [signature]	Date: 6/13/5	Time:	Accepted By:	Date:	Time:
Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By:	Date:	Time:	Accepted By:	Date:	Time:

Anacon, Inc.

Date: *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Sur
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/7/2005
Lab ID:	0506098-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 6:39:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	0.20	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.65	0.10		mg/L	1	6/15/2005

James K. Lee

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Mid
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/7/2005
Lab ID:	0506098-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 6:44:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.70	0.10		mg/L	1	6/15/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Bot
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/7/2005
Lab ID:	0506098-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 6:50:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.84	0.10		mg/L	1	6/15/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Sur
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/8/2005
Lab ID:	0506098-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 6:56:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.07	0.10		mg/L	1	6/15/2005

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

1259

Anacon, Inc. **Date:** *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Mid
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/8/2005
Lab ID:	0506098-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 7:01:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.75	0.10		mg/L	1	6/15/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Bot
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/8/2005
Lab ID:	0506098-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 7:07:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.61	0.10		mg/L	1	6/15/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *21-Jul-05*

CLIENT:	PBS & J	**Client Sample ID:**	Dup
Lab Order:	0506098	**Tag Number:**	
Project:	Flower Gardens June 2005	**Collection Date:**	6/9/2005
Lab ID:	0506098-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP-MS METALS		**E200.8**				Analyst: **HN**
Phosphorus	ND	15.0		µg/L	5	6/17/2005 7:12:00 PM
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	6/14/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	6/14/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	0.17	0.15		mg/L	1	6/21/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	6/21/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	6/20/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.51	0.10		mg/L	1	6/15/2005

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *21-Jul-05*

CLIENT: PBS & J
Work Order: 0506098
Project: Flower Gardens June 2005

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: **LCS WATER** SampType: **LCS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_050617F**
Client ID: **ZZZZZ** Batch ID: **R5905** TestNo: **E200.8** Analysis Date: **6/17/2005** SeqNo: **68910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus	102	3.00	100	3.383	98.6	75	125	0	0		

Sample ID: **0506091-001A-MS** SampType: **MS** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_050617F**
Client ID: **ZZZZZ** Batch ID: **R5905** TestNo: **E200.8** Analysis Date: **6/17/2005** SeqNo: **68912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus	205.7	3.00	100	88.45	117	70	130	0	0		

Sample ID: **0506091-001A-MSD** SampType: **MSD** TestCode: **200.8** Units: **µg/L** Prep Date: Run ID: **ICP-MS #1_050617F**
Client ID: **ZZZZZ** Batch ID: **R5905** TestNo: **E200.8** Analysis Date: **6/17/2005** SeqNo: **68913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus	205.1	3.00	100	88.45	117	70	130	205.7	0.292	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:06/14/05

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number:0506098,077

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.06	102	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager M. Knight

019

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:06/14/05

QA/QC REPORT - MS/MSD

Sample ID: 0506098-01
Anacon Number:0506098,077

MS/MSD

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS	
									RPD	% REC
Ammonia (as N) - 350.3	< 0.03	0.03	4.00	4.03	101	4.06	102	0.74	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager Mright

811

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - LCS

Sample ID: LCS1061505
Anacon Number: 0506078, 077, 098
Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.3	<0.10	3.33	3.41	102	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager PKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - MS/MSD

Sample ID: 0506078-003
Anacon Number: 0506078, 077, 098

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC					QC LIMITS % REC
TKN - 351.3	< 0.10	166	40.0	208	106					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

13

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - DUPLICATE

Sample ID:	**0506078-003**	**Matrix:**	**Aqueous Liquid**
Anacon Number:	**0506078, 077, 098**	**Units**	**mg/l**

Analyte/Method Number	Sample	Sample Duplicate		RPD	QC LIMITS
					RPD
TKN	166	165		0.7	20

QA/QC Manager MKnight

214

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

September 30, 2005

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077
TEL: (281) 493-5100
FAX (281) 493-1047

RE: Flower Gardens August 2005

Dear Marty Heaney:

Order No.: 0508209

Anacon, Inc. received 7 samples on 8/29/2005 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses unless noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight

Melissa Knight, QA/QC Manager

Total Number of Pages 016
(Including Data Package Cover Sheet)

ANACON, INC.

730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record

Page 1 of 1

Client: PBS + J

Contact Person: MARTY HEANEY
Phone Number: 281 493 5100
Fax Number: 281 493 1047

Anacon Log Number: 0508209
Due Date:
Turn Around Time:

001

Delivered By: River Oaks
Custody Seal (Y/N): Y
Temperature: On ice 5°C

Sampled By: M. HEANEY
Please Print

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	NH_3	CHLOROPHYLL-A	NO_3/NO_2	REACT P	TKN	pH	Remarks
01	WATER	8/25/05 1025	4	WFGB SUR	✓	✓	✓	✓	✓		
02	WATER	8/25/05 1017	4	WFGB MID	✓	✓	✓	✓	✓		
03	WATER	8/25/05 1010	4	WFGB BOT	✓	✓	✓	✓	✓		
04	WATER	8/26/05 0950	4	EFGB SUR	✓	✓	✓	✓	✓		
05	WATER	8/26/05 0942	4	EFGB MID	✓	✓	✓	✓	✓		
06	WATER	8/26/05 0930	4	EFGB BOT	✓	✓	✓	✓	✓		
07	WATER	8/26/05 0915	4	DUP	✓	✓	✓	✓	✓		

Relinquished By:	Date:	Time:	Relinquished By:	Date:	Time:
Relinquished By: [signature]	Date: 8/29/05	Time: 1105	Relinquished By:	Date:	Time:
Accepted By: [signature]	Date:	Time:	Accepted By:	Date:	Time:
Relinquished By: Courier	Date:	Time:	Relinquished By:	Date:	Time:
Accepted By: M Wright	Date: 8/29/05	Time: 1:45	Accepted By:	Date:	Time:

1270

Anacon, Inc. **Date:** *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Sur
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/25/2005
Lab ID:	0508209-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.61	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. Date: *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Mid
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/25/2005
Lab ID:	0508209-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.21	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. Date: *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB Bot
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/25/2005
Lab ID:	0508209-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.40	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Sur
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/26/2005
Lab ID:	0508209-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.56	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Anacon, Inc. Date: *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Mid
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/26/2005
Lab ID:	0508209-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.04	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.17	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.

Date: *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB Bot
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/26/2005
Lab ID:	0508209-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.05	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.35	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *27-Sep-05*

CLIENT:	PBS & J	**Client Sample ID:**	Dup
Lab Order:	0508209	**Tag Number:**	
Project:	Flower Gardens August 2005	**Collection Date:**	8/26/2005
Lab ID:	0508209-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	9/1/2005 10:00:00 AM
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	9/8/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	9/8/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	9/8/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	8/31/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.51	0.10		mg/L	1	8/31/2005 6:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:09/01/05

QA/QC REPORT - LCS

Sample ID: **LCS**
Anacon Number:0508209

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.03	101	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:09/01/05

QA/QC REPORT - MS/MSD

Sample ID: 0508209-01
Anacon Number:0508209

MS/MSD

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ammonia (as N) - 350.3	< 0.03	0.03	4.00	4.06	101	4.01	100	1.24	10	80-120

MS/MSD Advisory Limits

RPD:	0	out of 1 outside of QC limits
REC:	0	out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 08-31-05

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0508209

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc	LCS Conc.	% Recovery	Recovery Limits
Ortho-Phosphate SM 4500 P D	<0.01	0.651	0.619	95	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 08-31-05

QA/QC REPORT - MS/MSD

Sample ID: 0508209-01 **MS/MSD**
Anacon Number: 0508209

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ortho-Phosphate SM 4500 P D	< 0.01	< -0.027	0.651	0.37	57.51	0.373	57.28	0.40	10	80-120

MS/MSD Advisory Limits

RPD:	0	out of 1 outside of QC limits
REC:	2	out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - LCS

Sample ID:	**LCS083105**	**Matrix:**	**Aqueous Liquid**
Anacon Number:	**0508163, 166, 168, 169, 170, 171, 0508172, 218, 192, 209**	**Units**	**mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.3	<0.10	3.33	3.17	95.2	80-120

LCS Advisory Limits

RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - MS/MSD

Sample ID: 0508163-001
Anacon Number: 0508163, 166, 168, 169, 170, 171, 0508172, 218, 192, 209

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC					QC LIMITS % REC
TKN - 351.3	< 0.10	784	100	876	92.0					80-120

MS/MSD Advisory Limits

REC: 0 out of 1 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - DUPLICATE

Sample ID: 0508163-001
Anacon Number: 0508163, 166, 168, 169, 170, 171, 0508172, 218, 192, 209
Matrix: Aqueous Liquid
Units mg/l

Analyte/Method Number	Sample	Sample Duplicate		RPD	QC LIMITS
					RPD
TKN	784	781		0.4	20

QA/QC Manager MWright

ANACON, INC.
730 FM 1959
HOUSTON, TX 77034
ANALYTICAL AND CONSULTING LABORATORIES
PHONE: (281) 922-7000 • FAX (281) 481-0089

November 08, 2005

Marty Heaney
PBS & J
1880 S. Dairy Ashford, Suite #300
Houston, TX 77077

TEL: (281) 493-5100
FAX (281) 493-1047

RE:

Order No.: 0510096

Dear Marty Heaney:

Anacon, Inc. received 7 samples on 10/14/2005 for the analyses presented in the following report.

Analyses are performed with method-required QA/QC samples. These data are provided along with the sample results. There were no problems with the analyses unless noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

James Lee, Lab Manager

Melissa Knight, QA/QC Manager

Total Number of Pages 16
(Including Data Package Cover Sheet)

ANACON, INC.

730 FM 1959
HOUSTON, TX 77034
(281) 922-7000 Tel.
(281) 481-0089 Fax

Chain of Custody Record

ORIGINAL

Page 1 of 1

Client: Flower Gardens / PBS&J

Contact Person: M. HEANEY
Phone Number: (281)-493-5100
Fax Number: (281)-493-1047

Anacon Log Number: DS10096
Due Date:
Turn Around Time:

Delivered By: courier
Custody Seal (Y/N): Y
Temperature: 4°C

Sampled By: PBS&J
Please Print

Type of Analysis Requested

Log Number	Sample Matrix	Date/Time Collected	Number of Containers	Client Sample ID	Metals	D-PO4	H2SO4	Chlorophyll									pH	Remarks
01	Water	10-11-05/18:00	4	WFGB-surface														NH_3
02	Water	10-11-05/18:10	4	WFGB-mid														Chlorophyll
03	Water	10-11-05/18:15	4	WFGB-bottom														NO_3, NO_2
04	Water	10-12-05/17:00	4	EFGB-surface														Sol. P
05	Water	10-12-05/16:50	4	EFGB-mid														TKN
06	Water	10-12-05/16:45	4	EFGB-bottom														
07	Water	10-12-05/17:00	4	Blank DUP														
	-																	
	-																	
	-																	
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	-																	
	-																	

Relinquished By: [illegible]	Date: 10/14/05	Time: 1200	Relinquished By: courier	Date: 10/14	Time: 5:30
Accepted By: [illegible]	Date: 10/14/05	Time: 1200	Accepted By: [illegible]	Date: 10/14/05	Time: 5:30
Relinquished By: [illegible]	Date: 10/14/05	Time: 1615	Relinquished By:	Date:	Time:
Accepted By: River Oaks Couriers	Date: 10/14/05	Time: 1615	Accepted By:	Date:	Time:

001

Anacon, Inc. Date: *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Surface
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/11/2005
Lab ID:	0510096-001A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.68	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. **Date:** *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Mid
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/11/2005
Lab ID:	0510096-002A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	ND	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	2.01	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	WFGB-Bottom
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/11/2005
Lab ID:	0510096-003A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.96	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc. **Date:** *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Surface
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/12/2005
Lab ID:	0510096-004A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	2.24	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Anacon, Inc.

Date: *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Mid
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/12/2005
Lab ID:	0510096-005A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	2.01	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

CLIENT:	PBS & J	**Client Sample ID:**	EFGB-Bottom
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/12/2005
Lab ID:	0510096-006A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m^3	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	1.96	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc. **Date:** *03-Nov-05*

CLIENT:	PBS & J	**Client Sample ID:**	Blank Dup
Lab Order:	0510096	**Tag Number:**	
Project:		**Collection Date:**	10/12/2005
Lab ID:	0510096-007A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
AMMONIA		**E350.3**				Analyst: **SB**
Ammonia	0.03	0.03		mg/L	1	10/20/2005
CHLOROPHYLL-A		**10200HPLC**				Analyst: **BH**
Chlorophyll-a	ND	1.00		mg/m³	1	11/2/2005
NITRATE		**E353.3**				Analyst: **BH**
Nitrogen, Nitrate	ND	0.15		mg/L	1	10/27/2005
NITRITE		**E353.2**				Analyst: **BH**
Nitrogen, Nitrite	ND	0.15		mg/L	1	10/27/2005
SOLUBLE REACTIVE PHOSPHORUS		**300.0**				Analyst: **BH**
Soluble Reactive Phosphorus	ND	0.40		mg/L	1	10/21/2005
TOTAL KJELDAHL NITROGEN		**E351.3**				Analyst: **SB**
Nitrogen, Kjeldahl, Total	0.61	0.10		mg/L	1	10/25/2005 7:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:10/20/05

QA/QC REPORT - LCS

Sample ID: **LCS**
Anacon Number0510095,096

Matrix: **Aqueous Liquid**
Units **mg/L**

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
Ammonia (as N) - 350.3	<0.03	4.00	4.02	101	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKwight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date:10/20/05

QA/QC REPORT - MS/MSD

Sample ID: 0510095-01 **MS/MSD** **Matrix:** **Aqueous Liquid**
Anacon Number0510095,096 **Units** **mg/L**

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS RPD	QC LIMITS % REC
Ammonia (as N) - 350.3	< 0.03	0.06	4.00	4.02	99	4.08	101	1.48	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 0 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 10-21-05

QA/QC REPORT - LCS

Sample ID: LCS
Anacon Number: 0510096,0510095

Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc	LCS Conc.	% Recovery	Recovery Limits
Ortho-Phosphate SM 4500 P D	<0.01	0.651	0.547	84	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MWright

Anacon, Inc.
730 FM 1959
Houston, TX 77034

Date: 10-21-05

QA/QC REPORT - MS/MSD

Sample ID: 0510096-01 MS/MSD
Anacon Number: 0510096,0510095

Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC	MSD	% REC	RPD	QC LIMITS	
									RPD	% REC
Ortho-Phosphate SM 4500 P D	< 0.01	< -0.028	0.651	0.36	54.90	0.363	55.7	1.44	10	80-120

MS/MSD Advisory Limits

RPD: 0 out of 1 outside of QC limits
REC: 2 out of 2 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager JMWright

12

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - LCS

Sample ID: LCS102405
Anacon Number: 0510095, 096, 113, 125, 129
Matrix: Aqueous Liquid
Units mg/L

Analyte / Method Number	Blk. Value	Spike Conc.	LCS Conc.	% Recovery	Recovery Limits
TKN - 351.3	<0.10	3.33	3.50	105	80-120

LCS Advisory Limits
RPD: 0 out of 1 outside of QC limits

*Matrix interference
**Sample too concentrated to spike

QA/QC Manager MKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - MS/MSD

Sample ID: 0510095-001
Anacon Number: 0510095, 096, 113, 125, 129
Matrix: Aqueous Liquid
Units mg/L

Analyte/Method Number	Blank	Sample	Spike Level	MS	% REC				QC LIMITS % REC
TKN - 351.3	< 0.10	1.82	3.3	5.4	108				80-120

MS/MSD Advisory Limits

REC: 0 out of 1 oustide of QC limits

* Matrix Interference
** Sample too concentrated to spike

QA/QC Manager JMKnight

Anacon, Inc.
730 FM 1959
Houston, TX 77034

QA/QC REPORT - DUPLICATE

Sample ID: 0510095-003
Anacon Number: 0510095, 096, 113, 125, 129
Matrix: Aqueous Liquid
Units mg/l

Analyte/Method Number	Sample	Sample Duplicate		RPD	QC LIMITS
					RPD
TKN	2.19	2.05		6.6	20

QA/QC Manager JMcKnight

Appendix 6

Fish Surveys: East and West Banks, 2004 and 2005

East Flower Garden Bank 2004							
Date	Time	Surveyor	Species	#	min	max	mean
9/20/2004	8:47-8:57 am	Bob Woithe	Barracuda, great	1	60	60	60
			Black durgon	1	30	30	30
Sta. 70S-25E			Black Jack	3	50	70	65
65 feet			Blue Chromis	5	5	10	8
Note: 60% coral cover			Blue Tang	1	20	20	20
			Bluehead	2	7	12	10
			Boga	100	7	7	7
			Brown Chromis	30	5	10	9
			Creole Wrasse	3	12	18	15
			Creole-fish	18	15	25	20
			Orangespotted Filefish	1	20	20	20
			Queen Parrotfish	1	7	7	7
			Rock Beauty	1	12	12	12
			Yellowmouth Grouper	1	50	50	50
			Sergeant major	2	10	14	12
			Sharpnose Puffer	1	3	3	3
			Spotfin Butterflyfish	2	10	10	10
			Spotfin Hogfish	1	7	7	7
			Threespot damselfish	8	4	10	6
			Yellowtail damselfish	2	12	12	12
9/20/2004	na	BW	Black durgon	1	25	25	25
			Blue Chromis	6	3	3	3
Sta. 35S-OW on Triangle 5			Blue Tang	1	17	17	17
50% coral of 60% coverage			Bluehead	8	5	5	5
50% sandflat			Bonnetmouth	300	8	8	8
72 feet			Brown Chromis	10	3	3	3
			Creole Wrasse	1	15	15	15
			Creole-fish	3	15	20	19
			Doctorfish	4	15	20	18
			Princess Parrotfish	5	4	6	5
			Queen Parrotfish	3	20	40	25
			Reef Butterflyfish	2	18	18	18
			Sharpnose Puffer	1	3	3	3
			Stoplight Parrotfish	1	32	32	32
			Threespot damselfish	3	3	6	8
9/20/2004	12:01-12:11	BW	Barracuda, great	1	40	40	40
Sta. 35S-35W on Triangle (rod) 8 and			Bicolor damselfish	5	3	4	4
circle (lateral growth) 46			Black durgon	1	25	25	25
72 feet			Blue Chromis	6	4	6	5
25% sand flat			Blue Tang	1	15	15	15
75% coral of			Bonnetmouth	150	5	10	8
60% cover			Brown Chromis	10	15	25	20
			Chub, Bermuda/Yellow	3	15	30	20
			Creole Wrasse	1	75	75	75
			Creole-fish	30	15	20	16
			Doctorfish	1	15	15	15
			Ocean Triggerfish	1	45	45	45
			Queen Parrotfish	3	15	20	16
			Spanish Hogfish	1	3	3	3
			Spotfin Butterflyfish	2	13	15	14
			Threespot damselfish	4	3	6	12
9/20/2004	14:55-15:05	BW	Bar Jack	6	20	40	25
Sta. 10S-60W			Bicolor damselfish	3	3	5	5
72 feet			Black durgon	1	25	25	25
60% coral cover			Blue Chromis	5	4	4	4
			Blue Tang	1	15	15	15
			Bluehead	5	3	6	4
			Bonnetmouth	200	6	6	6
			Brown Chromis	16	4	10	6
			Clown Wrasse	3	4	4	4
			Creole Wrasse	20	5	10	8

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

East Flower Garden Bank 2004							
Date	Time	Surveyor	Species	#	min	max	mean
			Creole-fish	15	15	20	15
			Doctorfish	1	20	20	20
			Greenblotch Parrotfish	1	15	15	15
			Midnight Parrotfish	1	30	30	30
			Neon Goby	1	2	2	2
			Princess Parrotfish	1	20	20	20
			Redband Parrotfish	2	10	15	13
			Redlip Blenny	1	3	3	3
			Sharpnose Puffer	3	3	5	4
			Spanish Hogfish	2	3	15	8
			Stoplight Parrotfish	1	13	13	13
			Threespot damselfish	6	3	10	8
			Tiger Grouper	1	50	50	50
			Yellow Goatfish	5	15	25	20
			Yellowhead Wrasse	4	3	4	3
9/20/2004	14:40-14:50	BW	Bar Jack	10	30	30	30
Sta. 40S-60W			Barracuda, great	1	60	60	60
70 feet			Bicolor damselfish	3	3	3	3
60% coral cover			Black Jack	1	20	20	25
			Blue Tang	1	20	20	20
			Bluehead	10	40	40	40
			Bonnetmouth	500	10	10	10
			Brown Chromis	15	3	12	9
			Chub, Bermuda/Yellow	1	40	40	40
			Creole Wrasse	10	4	4	4
			Creole-fish	10	3	10	5
			Doctorfish	2	13	18	15
			Midnight Parrotfish	1	15	20	18
			Neon Goby	1	2	2	2
			Princess Parrotfish	3	20	30	27
			Queen Parrotfish	1	40	40	40
			Redlip Blenny	1	3	3	3
			Reef Butterflyfish	2	13	13	13
			Seaweed Blenny	1	3	3	3
			Sharpnose Puffer	1	40	40	40
			Spanish Hogfish	1	3	3	3
			Stoplight Parrotfish	1	50	50	50
			Threespot damselfish	5	4	8	6
			Yellowhead Wrasse	10	3	4	3
			Yellowmouth Grouper	1	3	3	3
9/20/2004	17:26-17:36	BW	Bicolor damselfish	5	3	7	5
Sta. 100S-75E			Blue Chromis	7	5	10	6
depth?			Blue Tang	2	15	15	15
			Bluehead	8	3	12	4
			Bonnetmouth	200	8	12	10
			Brown Chromis	20	5	10	8
			Chub, Bermuda/Yellow	18	30	35	32
			Clown Wrasse	1	7	7	7
			Creole Wrasse	10	15	25	18
			Creole-fish	15	18	25	20
			Doctorfish	4	15	25	20
			Queen Parrotfish	1	40	40	40
			Rock Hind	1	40	40	40
			Sharpnose Puffer	1	4	4	4
			Spanish Hogfish	6	10	15	12
			Stoplight Parrotfish	1	50	50	50
			Threespot damselfish	6	3	10	8
			Tiger Grouper	1	20	20	20
			Yellowhead Wrasse	10	3	12	5
9/20/2004	17:4--17:51	BW	Bar Jack	6	15	25	20
Sta. 70S-60E			Barracuda, great	1	50	50	50

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East Flower Garden Bank 2004							
Date	**Time**	**Surveyor**	**Species**	**#**	**min**	**max**	**mean**
depth?			Bicolor damselfish	6	3	5	5
			Black durgon	1	30	30	30
			Blue Tang	1	20	20	20
			Bluehead	5	3	8	5
			Brown Chromis	40	5	10	6
			Chub, Bermuda/Yellow	8	20	30	25
			Creole Wrasse	250	10	25	12
			Creole-fish	30	15	25	20
			Doctorfish	2	20	20	20
			Dusky damselfish	2	3	3	3
			Orange Filefish	1	13	13	13
			Princess Parrotfish	2	18	25	22
			Puddingwife	1	30	30	30
			Queen Parrotfish	1	35	35	35
			Reef Butterflyfish	1	15	15	15
			Rock Beauty	3	15	20	18
			Sergeant Major	1	12	12	12
			Stoplight Parrotfish	1	45	45	45
			Tattler Bass	1	5	5	5
			Threespot damselfish	7	3	13	6
			Yellowtail damselfish	2	15	15	15
9/20/2004	8:45-9:02 am	Les Kaufman	Bar Jack	10	18	24	22
Sta. 70S-25E			Barracuda, great	3	20	45	35
depth?			Bicolor damselfish	8	6	10	8
			Black durgon	3	25	25	25
			Blue Tang	4	12	16	14
			Bluehead	30	3	15	10
			Bonnetmouth	200	3	18	12
			Brown Chromis	100	4	12	10
			Chub, Bermuda/Yellow	2	20	20	20
			Cocoa damselfish	10	2	12	6
			Creole wrasse	50	2	25	20
			Creole-fish	20	6	25	20
			Ocean Surgeonfish	6	14	24	20
			Princess Parrotfish	8	5	30	26
			Queen Parrotfish	4	10	35	18
			Redband Parrotfish	3	10	25	18
			Redlip Blenny	1	9	9	9
			Reef Butterflyfish	3	12	12	12
			Sergeant Major	10	16	16	16
			Spanish Hogfish	3	6	24	12
			Stoplight Parrotfish	4	12	30	20
			Threespot damselfish	8	6	15	12
			Yellow Goatfish	3	20	20	20
			Yellowfin Grouper	2	14	18	16
			Yellowhead Wrasse	2	12	16	14
			Yellowmouth Grouper	2	20	30	25
11:47	9/20/2004	LK	Banded Butterflyfish	3	6	10	8
Sta. ?			Barracuda, great	1	100	100	100
depth?			Bicolor damselfish	6	2	8	6
			Black durgon	14	20	30	28
			Blue Chromis	8	2	10	6
			Blue Tang	3	20	20	20
			Bluehead	12	4	12	10
			Bonnetmouth	300	8	20	18
			Brown Chromis	40	6	12	9
			Chub, Bermuda/yellow	5	25	32	30
			Clown Wrasse	5	6	15	10
			Cocoa damselfish	6	10	12	11
			Creole-fish	90	18	30	23
			Doctorfish	1	18	18	18
			Ocean Surgeonfish	3	20	20	20

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East Flower Garden Bank 2004							
Date	**Time**	**Surveyor**	**Species**	**#**	**min**	**max**	**mean**
			Princess Parrotfish	30	4	30	20
			Queen Angelfish	1	34	34	34
			Queen Parrotfish	5	20	40	30
			Redband Parrotfish	3	8	20	15
			Reef Butterflyfish	2	15	15	15
			Rock Beauty	1	30	30	30
			Spanish Hogfish	6	8	25	15
			Threespot damselfish	8	4	15	12
			Yellowhead Wrasse	4	6	16	12
Note: Also observed Diodon holocanthus, Caranx lugubris, 1 graysby							
9/20/2004	12:08	LK	Bar Jack	3	20	20	20
Sta. ?			Barracuda, great	4	30	100	50
depth?			Bicolor damselfish	6	4	8	6
			Black durgon	5	25	30	38
			Bluehead	40	6	12	10
			Bonnetmouth	1000	10	20	15
			Brown Chromis	30	4	13	10
			Cocoa damselfish	6	8	14	12
			Creole Wrasse	30	15	25	20
			Creole-fish	36	8	22	18
			Graysby	1	25	25	25
			Unidentifiable Yellowtail	1	18	18	18
			Ocean Surgeonfish	3	15	25	20
			Princess Parrotfish	10	6	25	15
			Queen Parrotfish	3	20	30	25
			Spanish Hogfish	3	2	8	6
			Stoplight Parrotfish	4	8	30	20
			Threespot damselfish	14	3	14	11
Note: Also observed sharpnose puffer, smooth trunkfish, red-lipped blenny, black jack, blue chromis							
9/20/2004	17:25	LK	Barracuda, great	3	30	80	50
Sta. ?			Black durgon	2	15	15	15
depth?			Blue Chromis	2	1	5	3
near post #30			Blue Tang	1	15	15	15
			Bluehead	12	2	5	3
			Bonnetmouth	50	3	7	4
			Brown Chromis	50	1	5	3
			Chub, Bermuda/Yellow	1	20	20	20
			Clown Wrasse	3	2	6	4
			Cocoa damselfish	12	1	8	6
			Creole Wrasse	7	1	15	10
			Creole-fish	10	10	15	12
			Dusky damselfish	5	1	3	2
			Goldspot Goby	1	2	2	2
			Ocean Surgeonfish	2	11	12	11.5
			Princess Parrotfish	8	3	25	21
			Queen Angelfish	2	30	40	35
			Queen Parrotfish	7	3	30	20
			Redband Parrotfish	7	3	20	10
			Sharpnose Puffer	4	2	4	3
			Spotted Trunkfish	1	10	10	10
			Stoplight Parrotfish	7	2	35	20
			Threespot damselfish	8	2	7	5
			Yellowfin Grouper	1	25	25	25
			Yellowhead Wrasse	5	1	7	5
9/20/2004	17:44	LK	Bar Jack	2	30	30	30
Sta. ?			Barracuda, great	3	60	140	80
depth?			Bicolor damselfish	8	2	4	3
			Black durgon	3	20	20	20
			Black Jack	1	25	25	25
			Blue Chromis	3	5	5	5
			Blue Tang	6	15	20	17

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East Flower Garden Bank 2004							
Date	**Time**	**Surveyor**	**Species**	**#**	**min**	**max**	**mean**
			Bluehead	25	2	5	3
			Bonnetmouth	300	4	8	6
			Brown Chromis	50	3	8	5
			Chub, Bermuda/Yellow	1	15	15	15
			Cocoa damselfish	5	2	6	4
			Creole Wrasse	50	4	20	12
			Dusky damselfish	2	4	4	4
			French Angelfish	1	25	25	25
			Ocean Surgeonfish	9	15	15	15
			Puddingwife	1	4	4	4
			Queen Parrotfish	13	3	40	18
			Redband Parrotfish	4	3	25	15
			Reef Butterflyfish	1	8	8	8
			Sharpnose Puffer	4	2	5	4
			Smooth Trunkfish	1	5	5	5
			Spanish Hogfish	5	2	8	6
			Stoplight Parrotfish	6	8	35	12
			Threespot damselfish	12	1	7	6
			Tiger Grouper	1	14	14	14
			Yellow goatfish	3	20	20	20
			Yellowhead Wrasse	4	2	8	6
Note: Also observed Orange Filefish, Redlip Blenny, Graysby, Long-nosed Butterflyfisl							

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West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
na	na	Bill Precht/Lisa Vitale	Barracuda, great	2	56	60	58
			Bicolor damselfish	4	4	10	6
			Black durgon	4	16	28	24
			Blue chromis	2	6	6	6
			Blue tang	2	6	14	10
			Bluehead	2	12	14	13
			Brown chromis	4	6	8	7
			Chub, Bermuda/Yellow	4	24	28	26
			Clown wrasse	6	10	14	12
			Creole wrasse	3	12	16	14
			Doctorfish	2	8	16	12
			Dusky damselfish	1	14	14	14
			Goldspot goby	1	4	4	4
			Longsnout butterflyfish	2	6	6	6
			Porcupinefish	1	18	18	18
			Queen parrotfish	1	28	28	28
			Red hind	1	26	26	26
			Redband parrotfish	2	24	24	24
			Rock beauty	1	18	18	18
			Saddled blenny	1	6	6	6
			Sharpnose puffer	1	22	22	22
			Spanish hogfish	1	28	28	28
			Squirrelfish	1	22	22	22
			Stoplight parrotfish	1	38	38	38
			Striped parrotfish	5	16	22	18
			Threespot damselfish	2	10	14	12
			Yellow goatfish	1	22	22	22
na	na	Bill Precht/Lisa Vitale	Barracuda, great	5	50	70	60
			Bicolor damselfish	3	4	10	6
			Black durgon	3	20	30	25
			Blue chromis	2	8	8	8
			Bluehead	2	14	14	14
			Brown chromis	18	6	10	8
			Chub, Bermuda/Yellow	2	28	32	30
			Clown wrasse	5	10	14	12
			Creole wrasse	2	10	14	12
			Doctorfish	3	10	16	13
			Longsnout butterflyfish	1	5	5	5
			Neon goby	2	4	4	4
			Queen parrotfish	1	24	24	24
			Redband parrotfish	1	26	26	26
			Rock hind	1	26	26	26
			Saddled blenny	2	6	6	6
			Sergeant major	1	14	14	14
			Stoplight parrotfish	1	32	32	32
			Striped parrotfish	8	14	22	18
			Threespot damselfish	3	12	18	14
			Yellowtail damselfish	1	16	16	16
na	na	Bill Precht/Lisa Vitale	Amber Jack	2	65	70	68
			Barracuda, great	8	45	75	60
			Beaugregory	1	12	12	12
			Bicolor damselfish	2	6	8	7
			Black durgon	5	22	30	26
			Blue chromis	5	6	8	7
			Blue tang	2	10	10	10
			Bluehead	4	14	14	14
			Brown chromis	4	8	8	8

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West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
			Chub, Bermuda/Yellow	2	30	32	31
			Clown wrasse	4	10	14	12
			Creole wrasse	4	10	14	12
			Doctorfish	2	12	16	14
			Dusky damselfish	1	15	15	15
			Gray snapper	1	55	55	55
			Neon goby	2	5	5	5
			Red hind	2	25	25	25
			Redband parrotfish	2	22	26	24
			Saddled blenny	1	5	5	5
			Stoplight parrotfish	3	28	38	33
			Striped parrotfish	3	14	18	16
			Threespot damselfish	3	14	18	16
			Yellowhead wrasse	1	14	14	14
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	2	10	10	10
			Barracuda, great	5	50	80	65
			Bicolor damselfish	4	8	8	8
			Black durgon	2	20	30	25
			Blue chromis	7	8	8	8
			Bluehead	5	12	16	14
			Brown chromis	8	8	8	8
			Clown wrasse	8	8	14	11
			Creole wrasse	8	12	16	14
			Gray snapper	2	50	60	55
			Honeycomb cowfish	1	24	24	24
			Redband parrotfish	3	25	30	28
			Sharpnose puffer	1	20	20	20
			Spanish hogfish	2	28	34	31
			Stoplight parrotfish	2	28	32	30
			Striped parrotfish	15	12	18	15
			Threespot damselfish	3	16	20	18
			Yellow goatfish	1	28	28	28
na	na	Bill Precht/Lisa Vitale	Barracuda, great	5	50	60	55
			Bicolor damselfish	5	6	9	8
			Blue chromis	7	8	10	9
			Blue tang	2	12	12	12
			Brown chromis	7	8	10	9
			Chub, Bermuda/Yellow	4	24	30	27
			Clown wrasse	1	8	8	8
			Coney	1	18	18	18
			Creole wrasse	2	12	14	13
			Doctorfish	4	12	16	14
			Dusky damselfish	1	12	12	12
			Longspine squirrelfish	1	28	28	28
			Neon goby	5	6	9	8
			Princess parrotfish	2	14	14	14
			Puddingwife	1	12	12	12
			Red hind	1	18	18	18
			Redband parrotfish	2	20	26	23
			Saddled blenny	1	8	8	8
			Sergeant major	1	18	18	18
			Spotfin butterflyfish	2	12	12	12
			Stoplight parrotfish	1	28	28	28
			Striped parrotfish	12	12	12	12
			Threespot damselfish	3	12	16	14
			Yellow goatfish	1	26	26	26
na	na	Bill Precht/Lisa Vitale	Barracuda, great	3	55	65	60
			Bicolor damselfish	5	6	8	7
			Black durgon	3	20	24	22

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West Flower Garden Bank 2004							
Date	**Time**	**Surveyor**	**Fish Common Name**	**#**	**min**	**max**	**mean**
			Blue tang	2	12	14	13
			Brown chromis	2	8	8	8
			Clown wrasse	23	8	12	10
			Creole wrasse	7	12	14	13
			Redband parrotfish	2	18	18	18
			Rock hind	1	16	16	16
			Sharpnose puffer	1	18	18	18
			Spanish hogfish	1	26	26	26
			Spotfin butterflyfish	1	10	10	10
			Striped parrotfish	2	12	14	13
			Threespot damselfish	1	12	12	12
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	2	10	12	11
			Barracuda, great	2	80	100	90
			Bicolor damselfish	4	6	6	6
			Black durgon	2	18	22	20
			Brown chromis	4	8	10	9
			Clown wrasse	15	10	12	11
			Creole wrasse	4	10	14	12
			Redband parrotfish	4	14	18	16
			Spanish hogfish	1	24	24	24
			Striped parrotfish	3	12	12	12
			Yellowtail damselfish	1	16	16	16
na	na	Bill Precht/Lisa Vitale	Barracuda, great	2	90	110	100
			Bicolor damselfish	5	6	8	7
			Black durgon	3	16	20	18
			Blue tang	1	12	12	12
			Brown chromis	6	8	8	8
			Clown wrasse	12	8	12	10
			Creole wrasse	2	10	10	10
			Redband parrotfish	4	14	16	15
			Rock hind	1	18	18	18
			Striped parrotfish	2	10	14	12
			Threespot damselfish	3	10	12	11
			Yellowtail damselfish	3	14	16	15
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	1	10	10	10
			Barracuda, great	3	90	90	90
			Black durgon	1	20	22	21
			Brown chromis	8	6	8	7
			Clown wrasse	8	10	10	10
			Nassau grouper	1	NA	NA	NA
			Redband parrotfish	2	12	16	14
			Rock hind	1	16	16	16
			Sharpnose puffer	1	18	18	18
			Spanish hogfish	1	NA	NA	NA
			Spotfin butterflyfish	2	NA	NA	NA
			Threespot damselfish	3	NA	NA	NA
			Yellowtail damselfish	3	14	14	14
na	na	Bill Precht/Lisa Vitale	Barracuda, great	3	80	120	100
			Bicolor damselfish	5	8	10	9
			Black durgon	1	22	22	22
			Blue tang	2	12	12	12
			Brown chromis	8	8	8	8
			Clown wrasse	8	12	14	13
			Creole wrasse	2	16	16	16
			Redband parrotfish	2	14	16	15
			Rock hind	1	16	16	16
			Spanish hogfish	1	28	28	28
			Spotfin butterflyfish	2	12	12	12
			Threespot damselfish	3	10	14	12
			Yellowtail damselfish	3	12	16	14

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West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
na	na	Bill Precht/Lisa Vitale	Barracuda, great	12	60	130	95
			Beaugregory	1	12	12	12
			Bicolor damselfish	8	8	8	8
			Black durgon	1	20	20	20
			Blue chromis	4	6	8	7
			Bluehead	2	14	14	14
			Brown chromis	4	6	8	7
			Chub, Bermuda/Yellow	12	20	30	25
			Clown wrasse	14	10	14	12
			Creole wrasse	13	14	18	16
			Doctorfish	2	12	16	14
			Graysby	1	18	18	18
			Longsnout butterflyfish	2	10	10	10
			Neon goby	2	6	6	6
			Queen parrotfish	1	16	16	16
			Saddled blenny	2	5	5	5
			Sergeant major	1	14	14	14
			Squirrelfish	1	22	22	22
			Stoplight parrotfish	5	20	40	30
			Sunshinefish	2	10	10	10
			Threespot damselfish	4	10	15	13
na	na	Bill Precht/Lisa Vitale	Barracuda, great	7	50	120	85
			Bicolor damselfish	5	6	8	7
			Black durgon	3	20	24	22
			Blue chromis	10	6	8	7
			Blue tang	5	10	12	11
			Bluehead	4	14	16	15
			Brown chromis	6	8	8	8
			Chub, Bermuda/Yellow	15	25	35	30
			Clown wrasse	13	12	14	13
			Creole wrasse	9	14	20	17
			Doctorfish	2	12	14	13
			Dusky damselfish	1	10	10	10
			Graysby	1	16	16	16
			Neon goby	5	5	8	7
			Princess parrotfish	12	16	18	17
			Redband parrotfish	4	16	20	18
			Sergeant major	2	12	14	13
			Stoplight parrotfish	5	25	45	35
			Sunshinefish	7	6	10	8
			Threespot damselfish	5	8	14	11
			Yellow goatfish	1	20	20	20
na	na	Bill Precht/Lisa Vitale	Barracuda, great	2	70	90	80
			Bicolor damselfish	6	6	8	7
			Blue chromis	6	8	8	8
			Blue tang	5	12	12	12
			Bluehead	5	12	16	14
			Brown chromis	8	8	10	9
			Clown wrasse	10	12	12	12
			Creole wrasse	25	15	20	17
			Doctorfish	5	10	16	13
			Dusky damselfish	2	10	12	11
			Graysby	1	16	16	16
			Longfin damselfish	1	12	12	12
			Neon goby	6	6	6	6
			Princess parrotfish	12	14	18	16
			Saddled blenny	2	6	8	7
			Sergeant major	1	12	12	12

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West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
			Spanish hogfish	2	26	28	27
			Spotfin butterflyfish	2	10	10	10
			Squirrelfish	1	22	22	22
			Stoplight parrotfish	2	40	46	43
			Sunshinefish	4	8	10	9
			Threespot damselfish	3	8	16	12
			Yellowtail damselfish	1	18	18	18
na	na	Bill Precht/Lisa Vitale	Amber Jack	4	85	85	85
			Barracuda, great	18	70	120	95
			Bicolor damselfish	5	8	8	8
			Black durgon	5	18	28	23
			Blue chromis	10	8	10	9
			Blue tang	5	10	12	11
			Bluehead	2	12	12	12
			Brown chromis	8	8	10	9
			Creole wrasse	1	18	18	18
			Doctorfish	2	12	16	14
			Dusky damselfish	1	12	12	12
			Graysby	1	18	18	18
			Neon goby	5	6	8	7
			Princess parrotfish	10	14	16	15
			Rock beauty	3	14	16	15
			Saddled blenny	4	6	6	6
			Spanish hogfish	1	28	28	28
			Spotfin butterflyfish	2	10	12	11
			Stoplight parrotfish	5	38	50	44
			Sunshinefish	9	8	8	8
			Threespot damselfish	4	10	16	13
			Yellowtail damselfish	2	16	18	17
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	2	12	12	12
			Barracuda, great	2	80	100	90
			Bicolor damselfish	10	6	8	7
			Blue chromis	11	8	8	8
			Blue tang	15	10	14	12
			Bluehead	2	12	14	13
			Brown chromis	5	8	8	8
			Chub, Bermuda/Yellow	21	24	34	29
			Clown wrasse	6	10	16	13
			Creole wrasse	15	14	18	16
			Doctorfish	1	12	12	12
			Gray snapper	1	55	55	55
			Horse-eye jack	1	60	60	60
			Neon goby	5	6	8	7
			Princess parrotfish	7	12	16	14
			Spotfin butterflyfish	2	10	10	10
			Squirrelfish	1	22	22	22
			Stoplight parrotfish	10	40	65	55
			Sunshinefish	8	8	8	8
			Threespot damselfish	5	12	16	14
			Tiger grouper	1	90	90	90
			Yellow goatfish	36	18	28	23
			Yellowtail damselfish	2	12	16	14
na	na	Bill Precht/Lisa Vitale	Barracuda, great	4	80	100	90
			Bicolor damselfish	3	8	8	8
			Brown chromis	70	6	12	9
			Clown wrasse	3	8	14	11
			Goldspot goby	2	6	6	6
			Horse-eye jack	1	65	65	65
			Princess parrotfish	10	14	16	15
			Rock hind	1	20	20	20

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West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
			Striped parrotfish	2	12	12	12
			Threespot damselfish	1	12	12	12
na	na	Bill Precht/Lisa Vitale	Barracuda, great	6	60	120	90
			Bicolor damselfish	4	6	8	7
			Black durgon	1	24	24	24
			Bluehead	1	12	12	12
			Brown chromis	83	6	12	9
			Creole wrasse	5	14	20	17
			Neon goby	5	6	6	6
			Redband parrotfish	2	16	16	16
			Stoplight parrotfish	1	85	85	85
			Striped parrotfish	2	12	14	13
			Threespot damselfish	1	14	14	14
			Yellowtail damselfish	4	14	18	16
na	na	Bill Precht/Lisa Vitale	Amber Jack	2	90	110	100
			Barracuda, great	8	80	100	90
			Bicolor damselfish	4	8	8	8
			Brown chromis	17	8	8	8
			Chub, Bermuda/Yellow	2	26	28	27
			Clown wrasse	14	12	16	14
			Creole wrasse	8	12	22	17
			Dusky damselfish	1	10	10	10
			Redband parrotfish	1	14	14	14
			Rock beauty	1	18	18	18
			Rock hind	1	22	22	22
			Spanish hogfish	1	32	32	32
			Spotfin butterflyfish	2	12	12	12
			Threespot damselfish	2	12	16	14
na	na	Bill Precht/Lisa Vitale	Barracuda, great	3	90	90	90
			Bicolor damselfish	8	8	10	9
			Black durgon	2	20	24	22
			Creole wrasse	43	16	24	20
			Redband parrotfish	1	18	18	18
			Reef butterflyfish	2	10	10	10
			Sergeant major	1	14	14	14
			Spanish hogfish	4	28	32	30
			Striped parrotfish	3	14	16	15
			Yellowtail damselfish	2	14	14	14
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	2	12	12	12
			Barracuda, great	5	70	100	85
			Bicolor damselfish	5	8	8	8
			Black durgon	1	20	20	20
			Blue chromis	32	6	10	8
			Chub, Bermuda/Yellow	5	24	34	28
			Clown wrasse	4	12	16	14
			Dusky damselfish	1	12	12	12
			Spanish hogfish	2	32	32	32
			Striped parrotfish	4	12	16	14
			Threespot damselfish	3	10	14	12
			Yellowtail damselfish	3	12	14	13
na	na	Bill Precht/Lisa Vitale	Barracuda, great	4	60	100	80
			Bicolor damselfish	1	6	6	6
			Blue chromis	10	8	10	9
			Blue tang	2	12	12	12
			Bluehead	3	12	16	14
			Brown chromis	64	6	10	8
			Creole wrasse	10	12	22	17

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Fish Surveys: East and West Banks, 2004 and 2005

West Flower Garden Bank 2004							
Date	Time	Surveyor	Fish Common Name	#	min	max	mean
			Queen angelfish	1	34	34	34
			Striped parrotfish	4	12	14	13
			Yellowtail damselfish	1	14	14	14
na	na	Bill Precht/Lisa Vitale	Barracuda, great	2	100	100	100
			Bicolor damselfish	4	8	9	9
			Black durgon	1	34	34	34
			Blue tang	3	10	14	12
			Chub, Bermuda/Yellow	2	32	32	32
			Creole wrasse	3	12	18	15
			Dusky damselfish	1	12	12	12
			Reef butterflyfish	1	10	10	10
			Sergeant major	1	16	16	16
			Sharpnose puffer	1	28	28	28
			Spanish hogfish	3	34	36	35
na	na	Bill Precht/Lisa Vitale	Banded butterflyfish	3	8	10	9
			Bicolor damselfish	4	6	8	7
			Blue chromis	8	6	10	8
			Blue tang	1	12	12	12
			Bluehead	3	12	16	14
			Creole wrasse	13	12	20	16
			Queen angelfish	1	32	32	32
			Threespot damselfish	2	10	12	11
			Yellowtail damselfish	3	12	16	14
na	na	Bill Precht/Lisa Vitale	Barracuda, great	3	100	120	110
			Bicolor damselfish	3	6	8	7
			Black durgon	2	32	32	32
			Brown chromis	32	6	10	8
			Creole wrasse	13	10	20	15
			Dusky damselfish	1	8	8	8
			Threespot damselfish	3	12	12	12
			Tiger grouper	1	90	90	90
			Yellowtail damselfish	1	12	12	12
na	na	Bill Precht/Lisa Vitale	Barracuda, great	2	90	110	100
			Bicolor damselfish	4	8	8	8
			Black durgon	1	32	32	32
			Blue tang	2	12	12	12
			Creole wrasse	12	10	18	14
			Queen angelfish	2	32	32	32
			Rainbow runner	8	32	32	32
			Sharpnose puffer	1	26	26	26
			Threespot damselfish	3	8	14	11
na	na	Bill Precht/Lisa Vitale	Barracuda, great	6	65	115	90
			Bicolor damselfish	2	6	6	6
			Black durgon	2	28	34	31
			Blue tang	4	10	14	12
			Threespot damselfish	1	10	10	10
na	na	Bill Precht/Lisa Vitale	Amber Jack	4	100	100	100
			Barracuda, great	12	115	135	125
			Bicolor damselfish	5	6	8	7
			Black durgon	3	24	32	28
			Blue tang	6	8	12	10
			Bluehead	2	10	12	11
			Creole wrasse	4	14	14	14
			Horse-eye jack	1	85	85	85
			Queen angelfish	2	28	32	30
			Striped parrotfish	1	14	14	14
			Threespot damselfish	2	12	14	13

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Fish Surveys: East and West Banks, 2004 and 2005

East and West Flower Garden Banks Species List 2004		
Fish Species	**Fish Common Name**	**Family Name**
Diodon holocanthus	Balloonfish	Diodontidae
Chaetodon striatus	Banded butterflyfish	Chaetodontidae
Caranx ruber	Bar jack	Carangidae
Sphyraena barracuda	Barracuda, great	Sphyraenidae
Stegastes leucostictus	Beaugregory	Pomacentridae
Stegastes partitus	Bicolor damselfish	Pomacentridae
Melichthys niger	Black durgon	Balistidae
Caranx lugubris	Black jack	Carangidae
Chromis cyanea	Blue chromis	Pomacentridae
Acanthurus coeruleus	Blue tang	Acanthuridae
Thalassoma bifasciatum	Bluehead	Labridae
Inermia vittata	Boga	Inermiidae
Emmelichthyops atlanticus	Bonnetmouth	Inermiidae
Chromis multilineata	Brown chromis	Pomacentridae
Kyphosus sectator/incisor	Chub, Bermuda/Yellow	Kyphosidae
Halichoeres maculipinna	Clown wrasse	Labridae
Stegastes variabilis	Cocoa damselfish	Pomacentridae
Cephalopholis fulva	Coney	Serranidae
Clepticus parrae	Creole wrasse	Labridae
Paranthias furcifer	Creole-fish	Serranidae
Caranx hippos	Crevalle jack	Carangidae
Acanthurus chirurgus	Doctorfish	Acanthuridae
Stegastes dorsopunicans	Dusky damselfish	Pomacentridae
Pomacanthus paru	French angelfish	Pomacanthidae
Gnatholepis thompsoni	Goldspot goby	Gobiidae
Lutjanus griseus	Gray snapper	Lutjanidae
Cephalopholis cruentata	Graysby	Serranidae
Sparisoma atomarium	Greenblotch parrotfish	Scaridae
Lactophrys polygonius	Honeycomb cowfish	Ostraciidae
Caranx latus	Horse-eye jack	Carangidae
Stegastes diencaeus	Longfin damselfish	Pomacentridae
Chaetodon aculeatus	Longsnout butterflyfish	Chaetodontidae
Holocentrus rufus	Longspine squirrelfish	Holocentridae
Scarus coelestinus	Midnight parrotfish	Scaridae
Gobiosoma oceanops	Neon goby	Gobiidae
Acanthurus bahianus	Ocean surgeonfish	Acanthuridae
Canthidermis sufflamen	Ocean triggerfish	Balistidae
Aluterus schoepfi	Orange filefish	Balistidae
Cantherhines pullus	Orangespotted filefish	Balistidae
Diodon hystrix	Porcupinefish	Diodontidae
Scarus taeniopterus	Princess parrotfish	Scaridae
Halichoeres radiatus	Puddingwife	Labridae
Chromis scotti	Purple reeffish	Pomacentridae
Holacanthus ciliaris	Queen angelfish	Pomacanthidae
Scarus vetula	Queen parrotfish	Scaridae
Elagatis bipinnulata	Rainbow runner	Carangidae
Epinephelus guttatus	Red hind	Serranidae
Sparisoma aurofrenatum	Redband parrotfish	Scaridae
Ophioblennius atlanticus	Redlip blenny	Blenniidae
Chaetodon sedentarius	Reef butterflyfish	Chaetodontidae
Holacanthus tricolor	Rock beauty	Pomacanthidae
Epinephelus adscensionis	Rock hind	Serranidae
Malacoctenus triangulatus	Saddled blenny	Blenniidae
Abudefduf saxatilis	Sergeant major	Pomacentridae
Canthigaster rostrata	Sharpnose puffer	Tetraodontidae
Atherinidae	Silversides	Atherinidae
Lactophrys triqueter	Smooth trunkfish	Ostraciidae
Bodianus rufus	Spanish hogfish	Labridae
Chaetodon ocellatus	Spotfin butterflyfish	Chaetodontidae
Lactophrys bicaudalis	Spotted trunkfish	Ostraciidae
Holocentrus adscensionis	Squirrelfish	Holocentridae
Sparisoma viride	Stoplight parrotfish	Scaridae
Scarus iseri	Striped parrotfish	Scaridae
Chromis insolata	Sunshinefish	Pomacentridae

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Fish Surveys: East and West Banks, 2004 and 2005

East and West Flower Garden Banks Species List 2004		
Fish Species	**Fish Common Name**	**Family Name**
Serranus phoebe	Tattler bass	Serranidae
Stegastes planifrons	Threespot damselfish	Pomacentridae
Mycteroperca tigris	Tiger grouper	Serranidae
Mulloidichthys martinicus	Yellow goatfish	Mullidae
Mycteroperca venenosa	Yellowfin grouper	Serranidae
Halichoeres garnoti	Yellowhead wrasse	Labridae
Mycteroperca interstitialis	Yellowmouth grouper	Serranidae
Microspathodon chrysurus	Yellowtail damselfish	Pomacentridae

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Fish Surveys: East and West Banks, 2004 and 2005

East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
6/8/05	9:22-9:27	Woithe	bicolor damselfish	6	6	10	8
			blue chromis	4	8	10	9
			blue tang	2	16	20	18
			bluehead	10	4	10	6
			brown chromis	40	2	8	3
			clown wrasse	6	4	6	5
			ocean surgeonfish	1	20	20	20
			ocean triggerfish	7	35	50	45
			queen parrotfish	1	30	30	30
			redband parrotfish	2	8	12	10
			redlip blenny	1	3	3	3
			rock beauty	1	18	18	18
			sharpnose puffer	3	8	12	10
			spanish hogfish	1	10	10	10
			stoplight parrotfish	4	15	30	23
			threespot damselfish	7	5	15	13
			yellowtail damselfish	1	15	15	15
6/8/05	9:34-9:39	Woithe	bicolor damselfish	5	4	8	6
			bluehead	15	3	13	5
			brown chromis	10	3	12	5
			clown wrasse	8	3	5	4
			doctorfish	2	20	22	21
			french angelfish	2	35	35	35
			longsnout butterflyfish	2	8	8	8
			longspine squirrelfish	1	25	25	25
			ocean triggerfish	5	35	45	40
			redlip blenny	1	4	4	4
			reef butterflyfish	2	15	15	15
			rock hind	2	15	25	20
			sharpnose puffer	1	8	8	8
			threespot damselfish	6	4	12	10
			whitespotted filefish	1	28	28	28
6/8/05	9:27	Evans	bar jack	1	40	40	40
			barracuda, great	6	40	100	70
			bicolor damselfish	10	10	12	11
			blue chromis	8	10	15	13
			blue tang	4	20	25	23
			bluehead	20	4	12	8
			brown chromis	50	6	12	8
			creole wrasse	30	6	10	8
			graysby	1	28	28	28
			longfin damselfish	1	8	8	8
			ocean triggerfish	8	40	50	45
			queen parrotfish	15	13	40	20
			redlip blenny	1	8	8	8
			reef butterflyfish	2	27	27	27
			sharpnose puffer	1	8	8	8
			smooth trunkfish	1	15	15	15
			stoplight parrotfish	2	12	35	22
			threespot damselfish	10	8	15	12
			yellowhead wrasse	1	10	10	10
6/8/05	9:42	Evans	bicolor damselfish	10	8	12	10
			blue chromis	5	4	8	6
			blue tang	2	23	23	23
			bluehead	20	7	13	12
			brown chromis	20	5	12	6
			creole wrasse	25	8	20	17
			crevalle jack	5	60	70	65
			french angelfish	1	55	55	55
			graysby	1	28	28	28

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East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			ocean surgeonfish	5	20	28	24
			ocean triggerfish	7	40	50	45
			princess parrotfish	1	17	17	17
			puddingwife	1	37	37	37
			queen parrotfish	3	15	25	20
			sharpnose puffer	1	8	8	8
			spotfin hogfish	2	10	12	11
			stoplight parrotfish	1	15	15	15
			threespot damselfish	12	8	16	12
			yellowhead wrasse	1	11	11	11
6/8/05	9:53	Evans	bar jack	12	12	12	12
			barracuda, great	40	40	40	40
			beaugregory	5	5	5	5
			bicolor damselfsih	8	8	12	10
			black durgon	35	35	35	35
			bluehead	7	7	12	8
			brown chromis	4	4	13	8
			crevalle jack	40	40	50	45
			longsnout butterflyfish	10	10	10	10
			ocean surgeonfish	23	23	28	25
			ocean triggerfish	40	40	40	40
			queen parrotfish	28	28	28	28
			sharpnose puffer	8	8	8	8
			stoplight parrotfish	40	40	40	40
			threespot damselfish	5	5	12	9
			tiger grouper	35	35	35	35
			yellowtail damselfish	13	13	15	14
6/8/05	13:15-13:20	Woithe	barracuda, great	1	50	50	50
			bicolor damselfish	6	8	8	8
			black jack	2	30	40	38
			bluehead	15	4	10	6
			brown chromis	80	2	10	6
			chub, Bermuda/yellow	1	25	25	25
			creole wrasse	14	12	15	14
			doctorfish	3	15	20	18
			neon goby	2	2	2	2
			ocean triggerfish	2	30	40	35
			queen parrotfish	2	20	30	25
			redlip blenny	2	3	3	3
			reef butterflyfish	2	13	13	13
			spanish hogfish	2	10	20	15
			squirrelfish	1	20	20	20
			stoplight parrotfish	1	30	30	30
			threespot damselfish	4	5	12	10
6/8/05	13:31-13:36	Woithe	bicolor damselfish	2	8	10	9
			blue tang	1	25	25	25
			bluehead	12	2	12	6
			brown chromis	50	1	10	5
			creole wrasse	25	14	20	18
			dusky damselfish	1	5	5	5
			honeycomb cowfish	1	18	18	18
			neon goby	19	1	2	2
			ocean triggerfish	1	30	30	30
			queen parrotfish	2	25	33	29
			redlip blenny	1	3	3	3
			sharpnose puffer	1	5	5	5
			smooth trunkfish	2	15	15	15
			spanish hogfish	3	1	3	2
			threespot damselfish	3	12	12	12

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Fish Surveys: East and West Banks, 2004 and 2005

East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
6/8/05	13:24-13:29	Woithe	bicolor damselfish	3	8	8	8
			black durgon	2	25	25	25
			blue tang	2	20	25	23
			bluehead	15	4	10	5
			brown chromis	200	10	15	12
			chub, Bermuda/yellow	1	25	25	25
			creole wrasse	15	15	23	20
			queen parrotfish	4	10	35	23
			sharpnose puffer	2	8	8	8
			spanish hogfish	1	10	10	10
			stoplight parrotfish	1	32	32	32
			threespot damselfish	4	8	12	11
			yellowtail damselfish	1	12	12	12
6/8/05	16:17-16:22	Woithe	bar jack	100	40	60	50
			barracuda, great	1	50	50	50
			bicolor damselfish	6	6	10	8
			black durgon	1	25	25	25
			blue chromis	6	5	12	9
			blue tang	1	13	13	13
			bluehead	6	4	12	6
			brown chromis	20	8	13	12
			creole-fish	3	18	25	22
			doctorfish	1	20	20	20
			graysby	1	20	20	20
			ocean triggerfish	2	30	30	30
			princess parrotfish	3	8	15	11
			queen parrotfish	1	18	18	18
			spanish hogfish	2	8	10	12
			threespot damselfish	4	10	13	11
			yellowhead wrasse	1	15	15	15
6/8/05	16:26-16:31	Woithe	barracuda, great	3	60	70	65
			bicolor damselfish	2	8	8	8
			blue tang	1	20	20	20
			bluehead	10	3	10	5
			brown chromis	40	2	12	8
			clown wrasse	8	2	5	3
			creole wrasse	15	2	20	4
			dusky damselfish	2	10	12	11
			graysby	1	20	20	20
			neon goby	2	2	2	2
			queen parrotfish	1	25	25	25
			redlip blenny	2	3	3	3
			reef butterflyfish	1	13	13	13
			spanish hogfish	3	5	15	9
			threespot damselfish	3	12	12	12
6/8/05	16:33-16:38	Woithe	barracuda, great	10	60	80	70
			bicolor damselfish	2	6	8	7
			blue tang	1	20	20	20
			bluehead	7	4	12	6
			brown chromis	6	2	12	8
			chub, Bermuda/yellow	6	40	50	45
			crevalle jack	1	60	60	60
			dusky damselfish	2	10	12	11
			queen parrotfish	2	18	30	24
			sharpnose puffer	1	5	5	5
			spanish hogfish	1	12	12	12
			threespot damselfish	3	10	14	12
6/8/05	19:09-19:14	Woithe	bicolor damselfish	3	6	8	7
			black durgon	1	30	30	30

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East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			blue tang	1	20	20	20
			bluehead	10	2	9	4
			brown chromis	10	3	10	6
			cocoa damselfish	2	1	4	2
			creole wrasse	3	15	20	17
			creole-fish	2	20	20	20
			doctorfish	3	15	20	17
			graysby	1	20	20	20
			ocean surgeonfish	1	20	20	20
			ocean triggerfish	1	35	35	35
			princess parrotfish	1	28	28	28
			redband parrotfish	2	5	8	7
			redlip blenny	1	3	3	3
			reef butterflyfish	2	15	15	15
			spotted drum	1	15	15	15
			threespot damselfish	4	10	13	12
6/8/05	19:18-19:23	Woithe	bicolor damselfish	4	4	8	7
			bluehead	6	2	8	4
			brown chromis	9	2	10	8
			creole wrasse	5	15	25	20
			creole-fish	3	10	20	18
			doctorfish	1	20	20	20
			dusky damselfish	3	5	9	7
			longsnout butterflyfish	1	5	5	5
			marbled grouper	1	40	40	40
			neon goby	3	2	2	2
			ocean triggerfish	1	40	40	40
			queen parrotfish	4	10	28	15
			redband parrotfish	1	3	3	3
			redspotted hawkfish	3	2	3	3
			reef butterflyfish	2	12	12	12
			spanish hogfish	1	10	10	10
			stoplight parrotfish	4	3	25	15
			sunshinefish	1	7	7	7
			threespot damselfish	4	4	12	10
			wrasse basslet	1	5	5	5
6/8/05	19:28-19:33	Woithe	bicolor damselfish	4	8	10	8
			blue chromis	2	10	10	10
			blue tang	1	20	20	20
			bluehead	6	3	8	4
			brown chromis	12	2	12	8
			cocoa damselfish	1	6	6	6
			creole wrasse	7	10	20	15
			creole-fish	6	20	25	22
			doctorfish	1	18	18	18
			ocean triggerfish	2	40	40	40
			queen parrotfish	2	15	30	23
			redband parrotfish	3	15	25	18
			reef butterflyfish	2	15	15	15
			rock beauty	2	12	20	16
			spanish hogfish	1	20	20	20
			threespot damselfish	5	5	12	10
			yellow goatfish	2	25	25	25
			yellowtail damselfish	1	15	15	15
6/8/05	13:17	Evans	bar jack	1	38	38	38
			bicolor damselfish	20	3	9	7
			black durgon	1	33	33	33
			blue chromis	8	7	11	9
			blue tang	1	12	12	12
			bluehead	20	3	11	7

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East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			brown chromis	50	7	14	13
			chub, Bermuda/yellow	1	40	40	40
			creole wrasse	30	11	15	13
			ocean surgeonfish	1	28	28	28
			ocean triggerfish	2	40	40	40
			queen parrotfish	2	35	35	35
			redlip blenny	4	8	8	8
			sharpnose puffer	2	10	10	10
			smooth trunkfish	3	13	13	13
			spanish hogfish	5	7	15	12
			stoplight parrotfish	1	37	37	37
			threespot damselfish	15	8	12	10
6/8/05	13:27	Evans	blue tang	2	12	17	17
			bluehead	30	7	11	10
			brown chromis	70	4	9	7
			cocoa damselfish	3	5	8	6
			ocean surgeonfish	1	27	27	27
			purple reeffish	1	3	3	3
			queen parrotfish	3	20	20	20
			redband parrotfish	1	21	21	21
			redlip blenny	5	8	8	8
			reef butterflyfish	2	17	17	17
			sharpnose puffer	2	10	12	12
			spanish hogfish	1	16	16	16
			spotfin hogfish	1	7	7	7
			threespot damselfish	17	7	15	13
			tiger grouper	1	45	45	45
6/8/05	13:35	Evans	bicolor damselfish	10	7	11	9
			blue chromis	10	4	16	13
			blue tang	2	14	21	17
			bluehead	20	3	13	8
			brown chromis	40	5	10	8
			creole wrasse	30	10	15	13
			creole-fish	2	17	19	18
			crevalle jack	8	70	70	70
			dog snapper	1	85	85	85
			ocean triggerfish	8	40	55	48
			porcupinefish	1	50	50	50
			princess parrotfish	1	13	13	13
			queen parrotfish	3	18	38	19
			sharpnose puffer	3	13	13	13
			spanish hogfish	7	7	16	10
			threespot damselfish	15	7	15	9
			yellow goatfish	2	30	37	33
			yellowhead wrasse	1	16	16	16
6/8/05	13:47	Evans	bar jack	2	38	38	38
			bicolor damselfish	10	7	10	9
			bluehead	15	4	10	7
			brown chromis	40	3	15	10
			dog snapper	1	80	80	80
			ocean surgeonfish	2	20	20	20
			princess parrotfish	2	10	10	10
			queen parrotfish	2	13	30	21
			reef butterflyfish	1	8	8	8
			rock hind	1	27	27	27
			sharpnose puffer	1	8	8	8
			stoplight parrotfish	1	17	17	17
			stoplight parrotfish	1	37	37	37
			threespot damselfish	10	8	14	11
			yellowtail parrotfish	1	17	17	17

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East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
6/8/05	16:20	Evans	bar jack	1	15	15	15
			barracuda, great	1	50	50	50
			bicolor damselfish	10	11	11	11
			blue chromis	6	8	15	11
			blue tang	1	23	23	23
			bluehead	50	3	8	4
			brown chromis	200	8	14	12
			chub, Bermuda/yellow	1	40	40	40
			cocoa damselfish	1	3	3	3
			creole wrasse	30	11	27	25
			graysby	1	32	32	32
			longspine squirrelfish	1	17	17	17
			ocean surgeonfish	2	23	23	23
			ocean triggerfish	3	40	50	45
			orangespotted filefish	1	14	14	14
			princess parrotfish	2	22	28	25
			queen parrotfish	2	18	38	27
			redlip blenny	2	8	8	8
			reef butterflyfish	2	20	20	20
			sharpnose puffer	6	7	11	9
			spanish hogfish	3	8	12	11
			stoplight parrotfish	1	5	5	5
			threespot damselfish	10	8	13	11
6/8/05	16:33	Evans	bar jack	3	19	19	19
			barracuda, great	4	40	60	50
			bicolor damselfish	5	1	7	5
			black durgon	1	40	40	40
			black jack	1	38	38	38
			blue tang	4	12	23	17
			bluehead	15	3	8	5
			brown chromis	25	3	7	5
			chub, Bermuda/yellow	1	38	38	38
			creole wrasse	50	8	20	9
			french angelfish	2	50	50	50
			ocean triggerfish	1	45	45	45
			queen parrotfish	4	20	38	29
			queen parrotfish	1	20	20	20
			redspotted hawkfish	1	7	7	7
			reef butterflyfish	2	17	17	17
			sharpnose puffer	13	8	13	11
			stoplight parrotfish	1	40	40	40
			threespot damselfish	10	8	12	11
			whitespotted filefish	1	38	38	38
			yellowmouth grouper	1	43	43	43
6/8/05	16:46	Evans	banded butterflyfish	2	25	25	25
			barracuda, great	4	60	70	65
			bicolor damselfish	10	3	8	5
			blue chromis	3	7	8	8
			blue tang	4	20	25	23
			bluehead	50	1	11	4
			brown chromis	200	5	12	10
			chub, Bermuda/yellow	2	30	30	30
			creole wrasse	50	7	20	10
			honeycomb cowfish	1	40	40	40
			longsnout butterflyfish	1	8	8	8
			ocean surgeonfish	2	27	27	27
			princess parrotfish	2	7	10	8
			queen parrotfish	5	20	37	29
			redlip blenny	2	7	9	8
			reef butterflyfish	1	14	14	14

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East Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			rock beauty	1	27	27	27
			sharpnose puffer	10	8	13	10
			stoplight parrotfish	3	8	30	9
			threespot damselfish	10	7	13	10
6/8/05	19:11	Evans	bar jack	3	15	15	15
			barracuda, great	4	40	60	50
			bicolor damselfish	30	7	9	8
			black durgon	1	30	30	30
			blue chromis	1	8	8	8
			blue tang	1	23	23	23
			brown chromis	20	4	8	6
			creole wrasse	20	18	25	21
			creole-fish	1	25	25	25
			horse-eye jack	1	60	60	60
			ocean surgeonfish	2	36	36	36
			ocean triggerfish	8	40	60	50
			queen parrotfish	4	28	32	30
			redlip blenny	1	8	8	8
			sharpnose puffer	2	10	10	10
			spanish hogfish	1	17	17	17
			spotfin butterflyfish	2	25	25	25
			stoplight parrotfish	3	28	40	34
			stripped parrotfish	1	8	8	8
			threespot damselfish	10	8	10	9
6/8/05	19:23	Evans	barracuda, great	2	30	50	40
			bicolor damselfish	7	5	10	8
			black durgon	3	38	38	38
			blue chromis	7	4	8	6
			brown chromis	180	5	12	8
			clown wrasse	1	14	14	14
			creole wrasse	20	11	23	17
			creole-fish	50	20	30	25
			crevalle jack	5	60	60	60
			ocean triggerfish	10	40	50	45
			rock beauty	1	23	23	23
			threespot damselfish	17	8	12	10
			yellowhead wrasse	2	40	40	40
6/8/05	19:30	Evans	barracuda, great	5	40	60	50
			bicolor damselfish	20	5	10	6
			black durgon	2	38	38	38
			black jack	2	50	50	50
			blue chromis	12	8	13	10
			bluehead	20	4	8	6
			brown chromis	230	5	10	7
			creole wrasse	30	8	20	14
			longsnout butterflyfish	1	8	8	8
			ocean triggerfish	8	40	50	45
			princess parrotfish	1	18	18	18
			queen parrotfish	7	8	30	10
			redband parrotfish	1	28	28	28
			redtail parrotfish	1	30	30	30
			reef butterflyfish	2	18	18	18
			rock beauty	1	30	30	30
			sergeant major	2	18	18	18
			sharpnose puffer	2	8	8	8
			spanish hogfish	1	8	8	8
			tiger grouper	1	43	43	43

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West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
6/5/05	10:14-10:19	Woithe	bicolor damselfish	4	4	4	4
			black durgon	1	25	25	25
			Blue chromis	20	2	10	4
			Blue tang	3	15	10	18
			Brown chromis	15	2	10	5
			chub, Bermuda/yellow	2	30	30	30
			Cocoa damselfish	1	3	3	3
			creole-fish	1	15	15	15
			Queen parrotfish	5	15	20	18
			Rock Beauty	1	20	20	20
			Rock hind	2	10	20	15
			Sharpnose puffer	5	4	8	6
			Spotfin butterflyfish	20	10	10	10
			Stoplight parrotfish	1	30	30	30
			yellowhead wrasse	3	7	10	8
6/5/05	10:23-10:28	Woithe	barracuda, great	1	60	60	60
			bicolor damselfish	1	5	5	5
			blue chromis	3	5	5	5
			blue tang	3	18	21	20
			Bluehead	15	2	12	4
			brown chromis	20	2	10	3
			creole wrasse	2	8	8	8
			creole-fish	8	13	18	15
			crevalle jack	40	50	80	70
			Dog snapper	1	20	20	20
			longsnout butterflyfish	1	8	8	8
			neon goby	1	2	2	2
			Queen parrotfish	2	20	30	25
			reef butterflyfish	2	12	12	12
			spanish hogfish	3	8	12	10
			threespot damselfish	1	5	5	5
			whitespotted filefish	1	25	25	25
6/5/05	10:15	Evans	bar jack	10	13	13	12
			barracuda, great	4	16	100	60
			beaugregory	2	7	10	9
			bicolor damselfish	30	6	6	6
			black grouper	1	90	90	90
			blue chromis	5	4	7	6
			blue tang	4	13	20	17
			bluehead	20	5	10	7
			clown wrasse	1	15	15	15
			creole-fish	30	13	20	17
			graysby	1	13	13	13
			longsnout butterflyfish	1	15	15	15
			queen angelfish	1	40	40	40
			queen parrotfish	1	30	30	30
			redspotted hawkfish	1	20	20	20
			reef butterflyfish	2	15	15	15
			sharpnose puffer	10	8	8	8
			spotfin hogfish	13	8	11	9
			stoplight parrotfish	1	5	5	5
			striped parrotfish	2	20	20	20
			yellow goatfish	2	21	21	21
			yellowtail damselfish	1	13	13	13
6/5/05	10:26	Evans	barracuda, great	3	10	60	40
			beaugregory	7	7	7	7
			bicolor damselfish	7	6	8	7
			blue chromis	3	5	5	5
			blue tang	3	15	15	15
			bluehead	3	8	8	8
			creole-fish	20	15	15	15

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West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			longsnout butteflyfish	1	17	17	17
			purple reeffish	6	2	6	5
			queen parrotfish	1	35	35	35
			rock beauty	1	23	23	23
			spotfin hogfish	2	8	8	8
			striped parrotfish	3	35	35	35
6/6/05	16:17-16:22	Woithe	barracuda, great	2	60	60	60
			bicolor damselfish	1	3	3	3
			black jack	1	70	70	70
			blue chromis	4	8	15	10
			blue tang	1	25	25	25
			bluehead	10	5	12	10
			brown chromis	30	2	15	5
			chub, Bermuda/yellow	2	20	20	20
			cocoa damselfish	1	4	4	4
			Creole wrasse	15	10	25	19
			creole-fish	4	18	25	22
			doctorfish	1	20	20	20
			neon goby	3	2	2	2
			queen parrotfish	2	28	30	29
			reef butterflyfish	2	18	18	18
			seaweed blenny	5	3	3	2
			spanish hogfish	2	10	15	12
			spotted moray	1	80	80	80
			squirrelfish	1	20	20	20
			threespot damselfish	3	8	10	9
			yellowhead wrasse	1	8	8	8
			yellowtail damselfish	1	18	18	18
6/6/05	16:30-16:35	Woithe	barracuda, great	1	70	70	70
			bicolor damselfish	3	5	5	5
			black durgon	1	25	25	25
			black jack	1	75	75	75
			brown chromis	100	2	10	3
			chub, Bermuda/yellow	1	30	30	30
			cocoa damselfish	1	3	3	3
			creole wrasse	100	2	20	4
			creole-fish	10	15	30	25
			horse-eye jack	15	40	80	65
			longsnout butterflyfish	1	5	5	5
			queen parrtofish	2	30	35	33
			redspotted hawkfish	1	3	20	3
			reef butterflyfish	4	10	18	15
			rock hind	1	20	20	20
			seaweed blenny	1	3	3	3
			sergeant major	1	10	10	10
			spanish hogfish	1	10	10	10
			stoplight parrotfish	2	30	40	35
			threespot damselfish	3	10	10	10
			yellowhead wrasse	5	3	10	5
			yellowtail damselfish	1	12	12	12
6/6/05	16:42-16:47	Woithe	barracuda, great	1	30	30	30
			blue tang	1	20	20	20
			bluehead	10	3	12	5
			brown chromis	30	10	15	12
			creole wrasse	15	10	20	18
			creole-fish	10	10	20	15
			puddingwife	1	40	40	40
			queen parrotfish	5	15	13	22
			rock hind	1	30	30	30
			sharpnose puffer	1	4	4	4
			spanish hogfish	1	18	18	18

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West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			stoplight parrotfish	3	15	30	25
			sunshinefish	1	3	3	3
			threespot damselfish	3	8	12	10
			yellowfin grouper	1	35	35	35
			yellowhead wrasse	3	5	8	6
6/6/05	16:15-16:20	Robbart	barracuda, great	7	50	150	100
			bicolor damselfish	2	3	3	3
			black durgon	3	10	14	12
			blue chromis	2	2	6	4
			blue tang	2	7	7	7
			bluehead	2	5	5	5
			brown chromis	5	3	3	3
			creole wrasse	10	4	20	10
			creole-fish	15	8	12	10
			queen parrotfish	6	10	18	14
			red grouper	1	20	20	20
			sergeant major	2	8	8	8
			spotfin butterflyfish	2	7	7	7
			tiger grouper	1	75	75	75
			yellow goatfish	10	10	15	12
6/6/05	16:28-16:33	Robbart	bar jack	15	20	25	23
			barracuda, great	3	50	100	75
			bicolor damselfish	2	3	5	4
			blue chromis	7	3	5	4
			blue tang	1	12	12	12
			brown chromis	100	2	6	4
			chub, Bermuda/yellow	5	15	40	25
			creole wrasse	100	8	15	12
			creole-fish	50	8	12	10
			crevalle jack	12	20	30	25
			princess parrotfish	2	3	5	4
			queen parrotfish	3	10	15	14
			stoplight parrotfish	1	15	15	15
			threespot damselfish	4	3	5	4
			yellow goatfish	2	8	8	8
6/6/05	16:40-16:45	Robbart	barracuda, great	4	50	100	65
			black durgon	1	12	12	12
			brown chromis	50	3	7	5
			chub, Bermuda/yellow	5	10	18	15
			creole wrasse	100	8	16	12
			princess parrotfish	2	6	6	6
			queen angelfish	1	15	15	15
			queen parrotfish	4	8	10	9
			red grouper	1	25	25	25
			redband parrotfish	2	10	10	10
			sergeant major	1	5	5	5
			spotfin hogfish	1	3	3	3
			stoplight parrotfish	1	3	3	3
6/7/05	7:47	Evans	black durgon	3	25	30	27
			blue chromis	10	4	8	6
			blue tang	6	20	25	23
			brown chromis	20	3	8	6
			creole wrasse	3	8	21	16
			creole-fish	5	10	25	18
			dog snapper	1	80	80	80
			princess parrotfish	5	25	25	25
			sharpnose puffer	3	8	10	9
			threespot damselfish	5	10	10	10
			whitespotted filefish	1	40	40	40
			yellow goatfish	4	18	20	19

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West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
6/7/05	7:59	Evans	barracuda, great	8	60	80	70
			black durgon	2	30	30	30
			blue chromis	10	5	8	7
			blue tang	2	20	20	20
			creole wrasse	3	10	25	18
			creole-fish	10	20	30	25
			dog snapper	1	50	50	50
			ocean surgeonfish	3	25	25	25
			queen parrotfish	5	25	35	30
			redband parrotfish	1	20	20	20
			redtail parrotfish	1	30	30	30
			reef butterflyfish	2	10	10	10
			rock beauty	1	35	35	35
			spotfin hogfish	3	8	10	9
			stoplight parrotfish	1	25	25	25
			threespot damselfish	10	7	10	8
			tiger grouper	1	30	30	30
6/7/05	10:41	Evans	bicolor damselfish	8	8	12	10
			black durgon	3	35	35	35
			blue chromis	10	7	13	10
			blue tang	25	25	28	27
			bluehead	20	4	12	8
			brown chromis	150	3	8	5
			creole-fish	8	10	18	14
			doctorfish	1	31	31	31
			graysby	1	28	28	28
			princess parrotfish	3	25	28	26
			queen parrotfish	3	32	32	32
			red hind	1	28	28	28
			sharpnose puffer	15	8	10	9
			spotfin hogfish	5	10	12	11
			threespot damselfish	10	12	15	13
			tiger grouper	1	35	35	35
			yellow goatfish	3	20	25	22
			yellowhead wrasse	1	17	17	17
6/7/05	10:55	Evans	barracuda, great	5	40	60	50
			bicolor damselfish	7	10	12	11
			blue chromis	8	5	12	8
			blue tang	8	12	15	14
			bluehead	1	8	8	8
			brown chromis	125	3	4	3
			creole-fish	10	20	30	25
			ocean triggerfish	2	40	40	40
			princess parrotfish	3	30	30	30
			queen parrotfish	3	30	40	35
			spanish hogfish	1	30	30	30
			spotfin hogfish	5	10	15	13
			stoplight parrotfish	1	35	35	35
			threespot damselfish	3	10	12	11
			tiger grouper	1	50	50	50
			yellowtail damselfish	2	18	23	21
6/7/05	11:06	Evans	barracuda, great	4	40	60	50
			bicolor damselfish	10	8	12	10
			black durgon	1	30	30	30
			blue tang	8	20	25	23
			bluehead	8	8	12	10
			brown chromis	60	4	6	5
			chub, Bermuda/yellow	4	35	35	35
			creole-fish	23	15	35	23
			dog snapper	2	70	70	70

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			longsnout butterflyfish	1	8	8	8
			queen parrotfish	4	30	35	33
			sharpnose puffer	3	8	8	8
			spotfin hogfish	3	11	11	11
			stoplight parrotfish	3	28	40	37
			threespot damselfish	10	8	12	10
6/7/05	14:06	Evans	bar jack	1	12	12	12
			barracuda, great	8	60	70	65
			bicolor damselfish	5	8	12	10
			black durgon	2	35	35	35
			blue chromis	1	3	3	3
			blue tang	4	20	20	20
			bluehead	3	5	12	8
			brown chromis	40	10	15	14
			chub, Bermuda/yellow	1	28	28	28
			creole wrasse	10	8	23	17
			creole-fish	5	20	25	23
			purple reeffish	1	3	3	3
			queen parrotfish	3	20	28	24
			reef butterflyfish	2	14	14	14
			sharpnose puffer	4	8	10	9
			spotfin hogfish	2	8	12	10
			stoplight parrotfish	1	45	45	45
			threespot damselfish	3	6	8	7
			yellowhead wrasse	1	13	13	13
6/7/05	14:20	Evans	blue chromis	2	8	8	8
			blue tang	3	23	23	23
			bluehead	2	5	13	7
			brown chromis	50	8	15	7
			chub, Bermuda/yellow	2	15	28	22
			creole wrasse	5	18	18	18
			creole-fish	10	18	23	20
			crevalle jack	10	65	65	65
			graysby	1	22	22	22
			queen parrotfish	5	21	38	28
			redlip blenny	1	8	8	8
			sergeant major	1	10	10	10
			spotfin butterflyfish	2	20	20	20
			stoplight parrotfish	3	18	25	22
			tiger grouper	1	20	20	20
			yellowtail damselfish	1	15	15	15
6/7/05	14:31	Evans	barracuda, great	4	40	60	55
			bicolor damselfish	4	6	6	6
			bluehead	10	5	12	8
			brown chromis	200	3	11	10
			creole-fish	2	23	23	23
			crevalle jack	8	50	60	55
			queen parrotfish	1	23	23	23
			reef butterflyfish	2	8	8	8
			sergeant major	1	15	15	15
			spotfin hogfish	2	8	8	8
			stoplight parrotfish	2	18	40	27
6/7/05	7:48-7:53	Woithe	bicolor damselfish	9	3	6	4
			bluehead	10	2	12	4
			brown chromis	40	1	10	1
			creole-fish	5	15	20	18
			longsnout butterflyfish	2	8	8	8
			queen parrotfish	1	40	40	40
			red hind	1	25	25	25
			redband parrotfish	1	25	25	25

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			redspotted hawkfish	1	4	4	4
			sharpnose puffer	4	8	8	8
			smooth trunkfish	1	14	14	14
			spanish hogfish	2	10	14	12
			threespot damselfish	6	8	10	9
			tiger grouper	1	40	40	40
			yellowhead wrasse	1	13	13	13
6/7/05	7:35-7:40	Woithe	barracuda, great	8	50	90	70
			bicolor damselfish	3	3	8	4
			black durgon	1	28	28	28
			blue chromis	3	2	10	6
			blue tang	1	25	25	25
			brown chromis	10	3	10	5
			clown wrasse	5	2	5	4
			creole-fish	10	20	25	24
			neon goby	1	3	3	3
			seaweed blenny	1	3	3	3
			sharpnose puffer	1	8	8	8
			smooth trunkfish	1	15	15	15
			spanish hogfish	3	10	15	13
			squirrelfish	1	20	20	20
			stoplight parrotfish	1	45	45	45
			sunshinefish	1	6	6	6
			threespot damselfish	4	5	10	8
			yellowmouth grouper	1	40	40	40
6/7/05	14:06-14:11	Woithe	bicolor damselfish	4	5	10	8
			black durgon	2	20	30	25
			blue tang	2	20	25	23
			bluehead	10	2	15	5
			brown crhomis	200	2	10	4
			creole wrasse	10	10	25	20
			creole-fish	20	10	20	18
			crevalle jack	10	60	80	70
			dog snapper	1	50	50	50
			neon goby	2	2	2	2
			queen parrotfish	1	25	25	25
			redband parrotfish	1	15	5	15
			redlip blenny	1	4	4	4
			reef butterflyfish	2	12	12	12
			sergeant major	1	20	20	20
			sharpnose puffer	1	6	6	6
			spanish hogfish	3	10	20	18
			stoplight parrotfish	2	25	35	30
			threespot damselfish	4	10	12	11
			yellowtail damselfish	2	10	15	13
6/7/05	14:17	Woithe	bar jack	3	12	14	13
			barracuda, great	1	60	60	60
			bicolor damselfish	4	4	6	5
			black durgon	1	30	30	30
			blue chromis	10	3	10	5
			blue tang	3	3	20	17
			bluehead	8	3	10	5
			brown chromis	100	2	10	4
			clown wrasse	7	2	4	3
			creole wrasse	10	2	20	15
			creole-fish	10	20	30	25
			crevalle jack	10	60	80	70
			longsnout butterflyfish	1	5	5	5
			neon goby	5	2	2	2
			queen parrotfish	1	10	10	10
			smooth trunkfish	1	13	13	13

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

West Flower Garden Bank 2005							
Date	Time	Surveyor	Species name	#	Min (cm)	Max (cm)	Mean (cm)
			spanish hogfish	2	10	20	15
			threespot damselfish	9	5	15	12
			yellowtail damselfish	2	2	20	12
6/7/05	14:27-14:32	Woithe	bicolor damselfish	4	4	6	5
			blue tang	1	10	10	10
			bluehead	6	3	5	4
			brown chromis	40	2	10	4
			clown wrasse	5	3	5	4
			creole wrasse	18	2	25	10
			creole-fish	8	18	23	20
			crevalle jack	10	60	80	70
			dog snapper	1	40	40	40
			dusky damselfish	1	10	10	10
			queen parrotfish	4	15	30	25
			reef butterflyfish	2	12	12	12
			sharpnose puffer	3	6	8	7
			spanish hogfish	1	20	20	20
			squirrelfish	1	15	15	15
			yellowtail damselfish	2	12	20	16

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

East and West Flower Garden Banks Species List 2005		
Fish Species	**Fish Common Name**	**Family Name**
Chaetodon striatus	Banded butterflyfish	Chaetodontidae
Caranx ruber	Bar jack	Carangidae
Sphyraena barracuda	Barracuda, great	Sphyraenidae
Stegastes leucostictus	Beaugregory	Pomacentridae
Stegastes partitus	Bicolor damselfish	Pomacentridae
Melichthys niger	Black durgon	Balistidae
Mycteroperca bonaci	Black grouper	Serranidae
Caranx lugubris	Black jack	Carangidae
Chromis cyanea	Blue chromis	Pomacentridae
Acanthurus coeruleus	Blue tang	Acanthuridae
Thalassoma bifasciatum	Bluehead	Labridae
Chromis multilineata	Brown chromis	Pomacentridae
Kyphosus sectator/incisor	Chub, Bermuda/Yellow	Kyphosidae
Halichoeres maculipinna	Clown wrasse	Labridae
Stegastes variabilis	Cocoa damselfish	Pomacentridae
Clepticus parrae	Creole wrasse	Labridae
Paranthias furcifer	Creole-fish	Serranidae
Caranx hippos	Crevalle jack	Carangidae
Acanthurus chirurgus	Doctorfish	Acanthuridae
Lutjanus jocu	Dog snapper	Lutjanidae
Stegastes dorsopunicans	Dusky damselfish	Pomacentridae
Pomacanthus paru	French angelfish	Pomacanthidae
Cephalopholis cruentata	Graysby	Serranidae
Lactophrys polygonius	Honeycomb cowfish	Ostraciidae
Caranx latus	Horse-eye jack	Carangidae
Stegastes diencaeus	Longfin damselfish	Pomacentridae
Chaetodon aculeatus	Longsnout butterflyfish	Chaetodontidae
Holocentrus rufus	Longspine squirrelfish	Holocentridae
Dermatolepis inermis	Marbled grouper	Serranidae
Gobiosoma oceanops	Neon goby	Gobiidae
Acanthurus bahianus	Ocean surgeonfish	Acanthuridae
Canthidermis sufflamen	Ocean triggerfish	Balistidae
Cantherhines pullus	Orangespotted filefish	Monocanthidae
Diodon hystrix	Porcupinefish	Diodontidae
Scarus taeniopterus	Princess parrotfish	Scaridae
Halichoeres radiatus	Puddingwife	Labridae
Chromis scotti	Purple reeffish	Pomacentridae
Holacanthus ciliaris	Queen angelfish	Pomacanthidae
Scarus vetula	Queen parrotfish	Scaridae
Epinephelus morio	Red grouper	Serranidae
Epinephelus guttatus	Red hind	Serranidae
Sparisoma aurofrenatum	Redband parrotfish	Scaridae
Sparisoma rubripinne	Redfin parrotfish	Scaridae
Ophioblennius atlanticus	Redlip blenny	Blenniidae
Amblycirrhitus pinos	Redspotted hawkfish	Cirrhitidae
Sparisoma chrysopterum	Redtail parrotfish	Scaridae
Chaetodon sedentarius	Reef butterflyfish	Chaetodontidae
Holacanthus tricolor	Rock beauty	Pomacanthidae
Epinephelus adscensionis	Rock hind	Serranidae
Parablennius marmoreus	Seaweed blenny	Blenniidae
Abudefduf saxatilis	Sergeant major	Pomacentridae
Canthigaster rostrata	Sharpnose puffer	Tetraodontidae
Atherinidae	Silversides	Atherinidae
Lactophrys triqueter	Smooth trunkfish	Ostraciidae
Bodianus rufus	Spanish hogfish	Labridae
Chaetodon ocellatus	Spotfin butterflyfish	Chaetodontidae
Bodianus pulchellus	Spotfin hogfish	Labridae
Equetus punctatus	Spotted drum	Sciaenidae
Gymnothorax moringa	Spotted moray	Muraenidae
Holocentrus adscensionis	Squirrelfish	Holocentridae
Sparisoma viride	Stoplight parrotfish	Scaridae
Scarus iseri	Striped parrotfish	Scaridae
Chromis insolata	Sunshinefish	Pomacentridae
Stegastes planifrons	Threespot damselfish	Pomacentridae
Mycteroperca tigris	Tiger grouper	Serranidae

Appendix 6
Fish Surveys: East and West Banks, 2004 and 2005

East and West Flower Garden Banks Species List 2005		
Fish Species	**Fish Common Name**	**Family Name**
Cantherhines macrocerus	Whitespotted filefish	Monocanthidae
Liopropoma eukrines	Wrasse bass	Serranidae
Mulloidichthys martinicus	Yellow goatfish	Mullidae
Mycteroperca venenosa	Yellowfin grouper	Serranidae
Halichoeres garnoti	Yellowhead wrasse	Labridae
Mycteroperca interstitialis	Yellowmouth grouper	Serranidae
Microspathodon chrysurus	Yellowtail damselfish	Pomacentridae

The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.