

## **Work Plan**

**Project Title: Benthic and pelagic grazing of phytoplankton in Florida Bay: Impacts on algal blooms and variability due to changes in freshwater discharge**

**PI: Christopher J. Gobler**

**Co-PI: Bradley J. Peterson**

**Year one:** In year one, we will prepare and purchase for our first year of sampling. We will conduct four seasonal sampling of Florida Bay, executing research objectives 1 – 4. After each field sampling, laboratory will be conducted to analyzed field collected samples. Data will be worked up and analyzed as samples data becomes available.

**Year two:** In year two, we will focus our sampling of Florida Bay within the seasonal salinity extremes (summer vs winter), executing research objectives 1 – 4. After each field sampling, laboratory will be conducted to analyzed field collected samples. Data will be worked up and analyzed as samples data becomes available. As the final data becomes available, we will execute objective five of our project, modeling growth and mortality rates of phytoplankton in Florida Bay as a function of season and environmental conditions. We anticipate that we will be concurrently preparing manuscript and presentations in year two.

**See the project time line on the following page for further detail.**

Task	2006/2007												2007/2008											
	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
Preparation and Setup	X	X																						
Initiation of Field Experiments		X	X		X		X		X		X			X						X				
Field Experiments		X	X		X		X		X		X			X						X				
Monitoring of Field Experiments					X		X		X		X			X						X				
Data Analysis				XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Laboratory analysis				XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Datamap creation							X												X	XX	XX			
Presentation at Scientific Meetings									X											X				
Reports and Publications														X									X	X

**Project Title:** Benthic and pelagic grazing of phytoplankton in Florida Bay: Impacts on algal blooms and variability due to changes in freshwater discharge

**PI:** Christopher J. Gobler  
**Co-PI:** Bradley J. Peterson