STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

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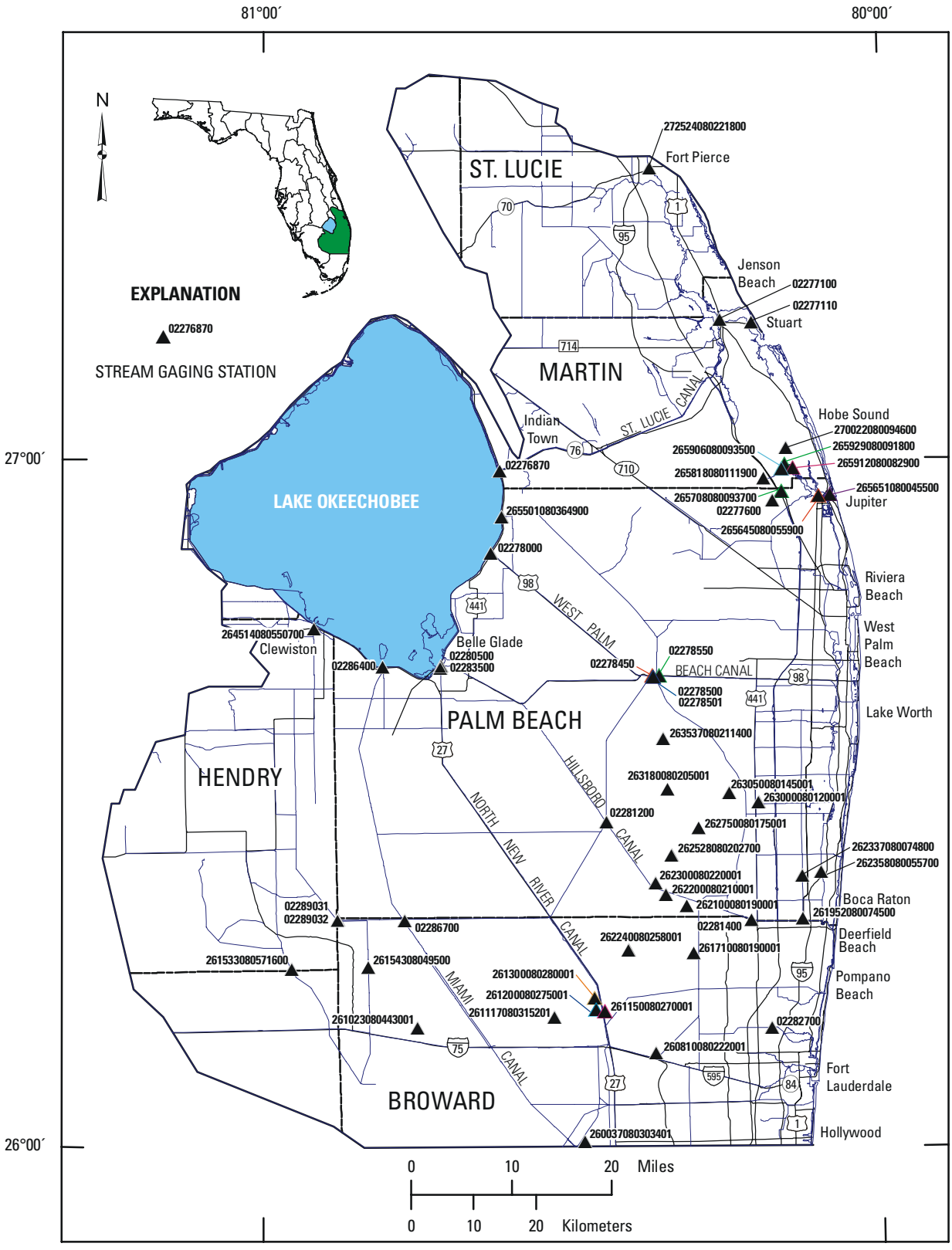

Figure 17. Location of gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees.

272524080221800 FIVE MILE CANAL ABOVE S-29-1-4 NEAR FT. PIERCE, FL

LOCATION.--Lat 27 25'24", long 80 22'18", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.19, T.35 S., R.40 E., St. Lucie County, Hydrologic Unit 03090202, on west bank of Five Mile Canal above structure S-29-1-4, 2.2 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 2002 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (from engineering as-built drawings for structure S-29-1-4).

REMARKS.--Records poor. Flow regulated by vertical lift gates at structure S-29-1-4 located 250 feet downstream of station and agricultural pumping. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 complete water year of discharge (2004,2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.28 ft Sept. 26, 2004; minimum, 2.98 ft Oct. 22, 23, 2003.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.74 ft June 6; minimum, 3.62 ft Aug. 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.18	5.58	4.25	5.95	5.90	6.13	6.57	6.52	7.49	7.74	7.29	6.15
2	7.50	5.36	4.27	5.94	5.90	6.14	6.72	6.63	7.82	7.08	7.00	6.21
3	6.63	5.21	4.22	5.93	5.91	6.06	6.67	6.59	7.90	7.18	6.99	6.20
4	6.01	5.21	4.17	5.93	5.91	6.56	6.54	7.15	9.87	7.41	6.70	6.25
5	4.87	5.81	4.21	5.93	5.90	6.41	6.51	9.09	9.95	6.86	6.57	6.52
6	4.56	5.63	4.38	5.92	5.90	6.24	6.51	7.78	10.35	6.65	6.46	6.60
7	5.69	5.22	5.70	5.92	5.90	---	6.60	7.23	9.02	6.54	6.62	6.51
8	5.44	4.99	5.90	5.92	5.89	6.18	8.16	7.05	8.04	6.52	7.10	6.39
9	4.96	5.15	5.90	5.92	5.89	---	7.06	6.98	7.80	6.46	6.77	6.31
10	4.65	6.00	5.91	5.91	5.89	7.20	6.72	6.94	7.51	7.20	6.57	6.27
11	4.58	6.00	5.91	5.91	5.88	6.64	6.54	6.90	8.71	7.40	6.45	6.20
12	4.68	5.84	5.90	5.91	5.88	6.06	6.48	6.84	6.87	7.50	6.39	6.21
13	4.73	5.74	5.90	5.91	5.89	6.09	6.49	6.84	---	6.99	6.37	6.12
14	4.45	5.85	5.90	6.02	5.88	6.45	6.48	6.82	4.57	6.76	6.36	5.98
15	4.43	6.00	5.90	6.10	5.89	6.61	6.40	6.82	5.65	---	6.31	5.92
16	4.39	5.94	5.91	6.00	5.89	6.50	6.38	6.80	6.78	6.60	6.28	5.91
17	4.16	5.82	5.94	5.92	5.88	7.40	6.42	6.59	---	6.51	6.27	5.91
18	4.01	5.76	6.12	5.92	5.88	7.62	6.46	6.34	6.68	6.45	6.21	5.91
19	4.10	5.69	5.94	5.91	5.88	6.99	6.49	6.32	6.65	6.42	6.19	5.92
20	5.20	5.64	5.91	5.92	5.88	6.71	6.43	6.32	6.77	6.40	6.20	5.93
21	6.30	5.59	5.90	5.92	5.88	6.89	6.46	6.33	6.72	6.35	6.26	6.02
22	6.10	5.44	5.90	5.92	5.89	7.53	6.44	6.33	6.61	6.33	6.30	6.06
23	5.92	5.73	5.90	5.92	5.89	7.03	6.43	6.31	6.57	6.30	6.25	6.23
24	6.01	5.73	5.91	5.91	5.89	6.82	6.53	6.28	6.67	6.29	6.24	6.43
25	5.93	5.78	5.98	5.91	6.17	6.75	6.43	6.38	6.62	6.35	4.94	6.38
26	5.82	5.82	6.04	5.91	6.24	6.90	6.40	6.75	6.61	6.38	4.98	6.34
27	5.76	5.54	5.95	5.90	6.37	6.73	7.05	6.56	6.95	6.32	6.37	6.34
28	5.82	5.30	5.94	5.91	6.22	6.66	7.02	6.44	6.90	6.27	6.29	6.39
29	6.06	5.08	5.94	5.93	---	6.76	6.73	6.36	6.73	6.27	6.23	6.53
30	5.88	4.64	5.96	5.92	---	6.60	6.57	6.36	6.89	6.37	5.96	6.55
31	5.76	---	5.95	5.91	---	6.57	---	6.59	---	6.90	6.10	---
TOTAL	169.58	167.09	173.61	183.85	166.37	---	198.69	209.24	---	---	197.02	186.69
MEAN	5.47	5.57	5.60	5.93	5.94	---	6.62	6.75	---	---	6.36	6.22
MAX	9.18	6.00	6.12	6.10	6.37	---	8.16	9.09	---	---	7.29	6.60
MIN	4.01	4.64	4.17	5.90	5.88	---	6.38	6.28	---	---	4.94	5.91

272524080221800 FIVE MILE CANAL ABOVE S-29-1-4 NEAR FT. PIERCE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	8.5	3.4	3.1	2.3	7.8	31	11	99	133	78	9.8
2	151	6.0	3.2	2.8	1.5	7.6	42	17	118	63	52	12
3	107	6.3	3.3	3.1	3.5	8.1	37	20	135	74	51	13
4	79	6.7	3.5	2.9	1.5	31	28	56	362	97	31	14
5	41	6.3	3.2	1.9	2.0	26	27	137	381	45	23	25
6	39	5.8	2.8	2.3	2.5	16	26	58	383	31	19	30
7	75	5.3	1.9	2.4	1.6	e13	30	32	193	25	35	24
8	63	4.9	2.9	2.5	0.96	13	135	24	90	23	63	18
9	48	5.6	3.2	2.3	2.0	e28	61	21	74	22	36	15
10	42	9.6	2.8	1.6	1.6	82	38	20	55	72	24	14
11	40	8.2	2.4	2.6	1.8	41	26	19	299	93	19	12
12	40	7.8	3.1	4.0	2.0	7.9	23	18	171	107	16	13
13	43	5.7	1.3	4.2	3.1	9.9	23	18	77	55	15	9.1
14	38	7.3	1.1	5.4	1.7	28	22	18	52	36	15	4.5
15	38	10	1.6	7.0	1.1	32	21	17	36	e35	13	3.7
16	39	7.6	2.2	3.3	1.7	25	19	18	35	26	12	3.3
17	33	6.8	0.62	2.1	1.2	95	17	18	e35	22	12	3.2
18	e24	5.8	8.7	2.0	1.9	109	13	18	29	19	10	3.6
19	19	6.0	4.3	3.5	1.9	55	11	15	28	18	9.3	4.0
20	16	6.7	4.5	4.0	2.4	35	8.5	16	34	17	10	4.6
21	16	6.0	4.0	2.4	2.8	47	7.3	17	31	15	13	5.8
22	11	5.0	4.8	3.1	1.6	95	4.4	17	25	14	13	7.4
23	7.1	7.0	2.6	2.6	1.0	60	6.6	17	23	14	12	13
24	9.7	5.7	1.0	2.6	1.9	45	6.5	15	29	13	11	21
25	7.8	6.0	5.3	2.4	11	42	3.4	19	29	15	19	19
26	7.6	5.7	6.6	1.4	12	53	3.9	37	27	17	21	17
27	6.7	5.4	3.4	1.4	15	39	32	26	50	14	15	17
28	7.5	4.2	3.4	3.5	9.0	35	36	20	45	12	13	20
29	11	5.0	2.9	4.3	---	42	18	18	34	13	10	27
30	7.9	4.1	2.9	2.4	---	31	14	18	50	17	4.7	28
31	8.0	---	3.1	1.1	---	29	---	31	---	53	6.8	---
TOTAL	1,275.3	191.0	100.02	90.2	92.56	1,188.3	770.6	806	3,029	1,210	681.8	411.0
MEAN	41.1	6.37	3.23	2.91	3.31	38.3	25.7	26.0	101	39.0	22.0	13.7
MAX	200	10	8.7	7.0	15	109	135	137	383	133	78	30
MIN	6.7	4.1	0.62	1.1	0.96	7.6	3.4	11	23	12	4.7	3.2
AC-FT	2,530	379	198	179	184	2,360	1,530	1,600	6,010	2,400	1,350	815

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	25.6	12.7	4.42	10.3	12.8	21.9	13.5	12.9	44.9	20.0	43.9	81.7
MAX	41.1	19.1	5.62	22.4	23.1	38.3	25.7	26.0	101	39.0	83.1	201
(WY)	(2005)	(2004)	(2004)	(2003)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	9.97	6.37	3.23	2.91	3.31	5.39	6.58	0.87	0.42	0.98	22.0	13.7
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	9,695.62		9,845.78			
ANNUAL MEAN	26.5		27.0		26.0	
HIGHEST ANNUAL MEAN					27.0	2005
LOWEST ANNUAL MEAN					25.1	2004
HIGHEST DAILY MEAN	444	Sep 6	383	Jun 6	444	Sep 6, 2004
LOWEST DAILY MEAN	-5.4	Jul 10	0.62	Dec 17	-5.4	Jul 10, 2004
ANNUAL SEVEN-DAY MINIMUM	-0.98	Jun 21	1.7	Feb 14	-0.98	Jun 21, 2004
ANNUAL RUNOFF (AC-FT)	19,230		19,530		18,860	
10 PERCENT EXCEEDS	57		57		55	
50 PERCENT EXCEEDS	4.5		14		7.4	
90 PERCENT EXCEEDS	0.05		2.4		1.4	

e Estimated

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

LOCATION.-- Lat 26 59'00", long 80 03'70", in sec.22, T.40 S., R.37 E., Martin County, Hydrologic Unit 03090202, 0.5 mi downstream of control structure 308, directly beneath the U.S. Highway 441 overpass, just north of U.S. Highway 76 and 24 mi upstream of control structure 80.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1931 to September 1952, October 1981 to current year. Prior to October 1946, published as St. Lucie Canal at lock 1, at Lake Okeechobee. Previously published as station number 02276500. All published data stored under current station number. Canal stage previously published under 02276871 has been moved to the current station number 02276870 for publication. Lake and canal stage at Lock Structure S-308 discontinued September 30, 1998.

REVISED RECORDS.--WDR FL-00-2A, 1999; WRD FL-03-2A, 2002.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter installed May 17, 2001. Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter until October 19, 2001, when it was removed. The acoustic velocity meter and acoustic Doppler velocity meter were run in tandem for the period of May 17, 2001 to October 19, 2001. This acoustic velocity meter station is located 0.5 mi downstream of S-308 and is stored under 02276877 in the files of the U.S. Geological Survey. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S.Army Corps of Engineers bench mark). Prior to January 17, 1934, staff gage at site 0.4 mi downstream at different datum. January 17, 1934 to March 15, 1951, water-stage recorder at site 0.8 mi downstream at datum 1.56 ft lower. March 16, 1951, to September 1952, water-stage recorder at bridge on U.S. Highway 441 at present datum. January 17, 1934, to September 1952, auxiliary water-stage recorder 10.9 mi downstream. Prior to April 24, 1992, canal stage data obtained with digital water level recorder. August 1, 1986 to June 20, 1989, electromagnetic velocity meter and canal stage recorder 1200 ft downstream of S-308. April 4, 1992 satellite data collection platform installed at S-308 for lake and canal stages. May 1994, satellite data collection platform with water-stage shaft encoder for canal stage and acoustic velocity meter with cross path installed 0.5 mi downstream of S-308. This data was not used until October 1, 1996, to determine the discharge from S-308. The discharge is computed under station number 02276877, then stored under 02276870 for publication. Prior to October 1, 1998, satellite data collection platform with water-stage shaft encoders for lake and canal stages in control house of S-308.

REMARKS.--Records poor. Flow regulated by control structure 308 gates and lock at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades (negative figures indicate reverse flow towards Lake Okeechobee). Discharge computed from relations between discharge, head, gate openings, and slope prior to October 1, 1996. Flow is determined by relationship between the mean cross-sectional velocity and an average index line velocity (from the cross path index line velocities) measured with the acoustic velocity meter, from October 1, 1996 to August 13, 2001, acoustic Doppler velocity meter, August 14, 2001 to present. Extreme lake stages for the current year no longer published due to the discontinuation of the U.S. Geological Survey equipment at S-308.

COOPERATION.--Canal stage record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1932-52, 1982-88, 1990, 1993-1996, 1999-2000, 2002).

EXTREME LAKE STAGES FOR PERIOD OF RECORD (1931-1998).--Maximum gage height, 19.63 ft Mar. 9, 1998; minimum, 9.63 ft June 22, 1990.

EXTREME CANAL STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.87 ft Sept. 26, 2004; minimum, 8.66 ft May 22, 2001.

EXTREME CANAL STAGES FOR CURRENT YEAR.--Maximum gage height, 17.47 ft Oct. 19; minimum, 11.83 ft Aug. 25.

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.28	15.91	14.54	14.64	14.30	14.19	14.11	14.35	14.05	14.64	16.03	14.36
2	15.64	15.92	14.64	14.62	14.18	14.26	14.26	14.29	14.44	15.04	15.06	14.41
3	15.87	15.97	14.52	14.39	14.22	14.37	14.14	14.37	14.66	15.42	14.79	14.53
4	---	16.02	14.44	14.20	14.37	14.35	14.23	14.35	15.27	15.55	14.57	14.36
5	16.42	16.14	14.40	14.38	14.22	14.39	14.32	14.35	14.89	15.60	14.55	14.58
6	16.90	16.10	14.24	14.27	14.52	14.29	14.44	14.18	14.18	15.73	14.57	---
7	16.43	16.07	14.13	14.26	14.40	14.41	14.49	14.46	14.47	15.44	14.55	14.53
8	16.75	16.01	14.27	14.41	14.44	14.37	14.43	14.51	14.62	14.89	14.59	14.44
9	17.02	---	14.14	14.48	14.41	14.46	14.39	14.47	14.62	14.96	14.56	14.39
10	17.02	15.67	14.40	14.27	14.34	14.31	14.21	14.46	14.53	14.84	14.53	14.46
11	16.99	14.81	14.24	14.26	14.33	14.36	14.31	14.45	14.48	14.80	14.54	14.22
12	17.02	14.74	14.09	14.48	14.34	14.17	14.12	14.44	14.32	14.83	14.46	14.40
13	16.98	14.85	14.23	14.25	14.40	14.16	14.10	14.39	14.36	14.82	14.50	14.29
14	16.99	14.69	14.66	14.32	14.29	14.24	14.16	14.41	14.48	15.81	14.49	14.24
15	17.03	14.39	14.50	14.50	14.17	14.36	14.23	14.41	14.34	---	14.51	14.24
16	16.91	---	14.50	14.35	14.31	14.45	14.29	14.38	14.26	16.45	14.49	14.56
17	17.02	14.23	14.49	14.44	14.30	14.59	14.42	14.31	14.51	16.42	14.79	14.62
18	16.98	14.23	14.44	14.48	14.38	14.28	14.43	14.20	14.66	16.41	15.73	14.69
19	17.14	14.32	14.37	14.46	14.43	14.21	14.26	14.09	14.71	16.41	15.68	14.62
20	---	14.68	14.16	14.40	14.36	14.45	14.28	14.10	14.60	16.40	15.64	14.48
21	17.19	14.72	14.43	14.31	14.26	14.35	14.26	14.20	14.47	16.37	15.60	14.27
22	17.10	14.59	14.52	14.31	14.27	14.34	14.13	14.11	14.27	16.39	15.26	14.56
23	17.08	14.40	14.36	14.27	14.35	14.27	14.14	14.09	14.35	16.40	15.03	14.39
24	17.06	14.30	14.29	14.24	14.37	14.42	14.24	14.16	14.55	16.37	13.84	14.42
25	16.96	14.34	14.29	14.20	14.35	14.27	14.21	14.11	14.52	16.30	12.14	14.49
26	16.74	14.38	14.11	14.41	14.20	14.47	14.41	14.01	14.40	16.25	13.02	14.59
27	15.99	14.29	14.05	14.51	14.27	14.62	14.47	14.09	14.51	16.24	14.40	14.66
28	15.92	14.21	14.18	14.53	14.15	14.69	14.41	14.11	14.55	16.17	14.59	14.58
29	16.00	14.06	14.29	14.52	---	14.41	14.41	14.01	14.66	16.12	14.48	14.58
30	15.99	14.20	14.51	14.36	---	14.27	14.35	13.96	14.49	16.05	14.42	14.35
31	15.95	---	14.59	14.30	---	14.29	---	13.94	---	16.05	14.34	---
TOTAL	---	---	445.02	445.82	400.93	445.07	428.65	441.76	435.22	---	453.75	---
MEAN	---	---	14.36	14.38	14.32	14.36	14.29	14.25	14.51	---	14.64	---
MAX	---	---	14.66	14.64	14.52	14.69	14.49	14.51	15.27	---	16.03	---
MIN	---	---	14.05	14.20	14.15	14.16	14.10	13.94	14.05	---	12.14	---

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,330	3,480	1,700	129	538	121	575	579	434	1,170	5,140	520
2	1,860	3,480	1,480	78	703	239	221	579	-24	2,070	3,220	362
3	2,340	3,450	1,080	60	543	145	323	518	-281	2,480	2,040	151
4	e2,490	3,560	937	145	242	51	288	180	-333	2,490	2,000	30
5	3,570	3,680	936	284	266	-53	242	-18	443	2,690	2,020	20
6	5,040	3,550	726	87	901	162	804	330	121	---	2,040	e664
7	4,720	3,490	683	174	1,770	-55	1,220	929	390	---	1,980	1,180
8	5,130	3,580	378	93	1,960	-74	1,130	1,570	1,330	---	1,850	1,390
9	5,040	e3,620	419	74	1,610	49	727	1,820	1,360	---	1,980	1,130
10	5,170	2,620	201	170	1,210	106	587	1,370	977	---	1,980	592
11	5,160	1,900	-30	546	1,000	-14	661	922	519	---	1,960	675
12	5,270	2,370	175	224	683	59	379	872	441	---	1,990	575
13	5,460	1,670	1,130	149	593	79	254	813	327	2,510	2,030	249
14	5,530	932	1,650	157	423	117	61	520	254	4,480	2,030	511
15	5,560	921	1,660	42	499	33	81	387	261	e5,040	2,160	297
16	5,460	e865	1,490	8.2	569	924	790	265	59	5,490	2,130	1,140
17	5,490	877	955	51	314	657	1,460	255	678	5,390	2,680	1,390
18	5,460	748	629	58	460	368	1,480	1,100	1,600	5,650	4,100	1,960
19	6,480	750	465	9.6	376	639	1,290	1,850	1,840	5,760	4,360	1,760
20	e6,590	966	528	-47	276	245	854	2,080	1,250	5,830	4,420	990
21	6,510	1,370	461	-18	380	53	682	1,390	648	5,600	4,290	792
22	6,420	1,300	110	-2.6	514	56	457	844	438	5,720	3,170	479
23	6,550	1,070	-65	-29	272	68	485	1,100	387	5,770	1,630	203
24	6,450	741	9.2	341	413	190	91	825	24	5,840	415	416
25	5,800	341	44	163	59	159	156	334	-126	5,710	141	328
26	4,670	595	-48	511	50	991	1,080	-115	45	5,520	395	1,080
27	3,060	342	197	1,400	-80	2,010	1,470	-344	99	5,130	1,010	1,930
28	3,450	109	514	1,350	5.5	1,960	1,340	591	368	5,550	1,680	1,740
29	3,550	358	249	1,010	---	1,350	1,220	1,280	480	5,430	1,850	1,120
30	3,440	934	153	594	---	902	864	1,440	816	5,370	1,540	730
31	3,420	---	145	662	---	601	---	1,210	---	5,270	757	---
TOTAL	146,470	53,669	18,961.2	8,473.2	16,549.5	12,138	21,272	25,476	14,825	---	68,988	24,404
MEAN	4,725	1,789	612	273	591	392	709	822	494	---	2,225	813
MAX	6,590	3,680	1,700	1,400	1,960	2,010	1,480	2,080	1,840	---	5,140	1,960
MIN	1,330	109	-65	-47	-80	-74	61	-344	-333	---	141	20
AC-FT	290,500	106,500	37,610	16,810	32,830	24,080	42,190	50,530	29,410	---	136,800	48,410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	1,650	1,059	704	605	649	902	1,069	620	479	636	794	1,093
MAX	6,480	6,831	6,350	5,649	5,453	7,246	4,620	4,474	3,949	4,697	5,152	6,403
(WY)	(1948)	(1948)	(1948)	(1948)	(1948)	(1983)	(1983)	(1931)	(1931)	(1947)	(1947)	(1949)
MIN	-1,101	-120	-138	-130	-24.1	-647	-531	-242	-1,107	-618	-614	-1,036
(WY)	(1988)	(1988)	(1986)	(1986)	(1991)	(1989)	(1991)	(1991)	(1994)	(1989)	(1985)	(1989)

SUMMARY STATISTICS — WATER YEARS 1931 - 2005

ANNUAL MEAN	899	
HIGHEST ANNUAL MEAN	3,511	1948
LOWEST ANNUAL MEAN	-49.6	1986
HIGHEST DAILY MEAN	8,150	Feb 26, 1983
LOWEST DAILY MEAN	-4,280	Sep 14, 1985
ANNUAL SEVEN-DAY MINIMUM	-2,980	Aug 7, 1985
ANNUAL RUNOFF (AC-FT)	650,900	
10 PERCENT EXCEEDS	3,700	
50 PERCENT EXCEEDS	185	
90 PERCENT EXCEEDS	0.00	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL

LOCATION.--Lat 27 12'07", long 80 15'32", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$, sec.5, T.38 S., R.41 E., Martin County, Hydrologic Unit 03090202, middle of Roosevelt Bridge, 2.7 mi west of Atlantic Ocean, 0.4 mi northwest of Stuart.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--August 1997 to current year.

REVISED RECORDS.--WDR FL-2004-2A, 2002, 2003.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Data prior to October 1, 2001, is available in the U.S. Geological Survey Open-File Report 2004-1265. Prior to October 1, 2002, only the mean daily gage height and discharge records are available in the files of the U.S. Geological Survey. Prior to October 1, 2002, data was published at a datum 0.02 ft lower than current datum. During periods of missing record, values may be higher or lower than the listed extremes.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 5.32 ft Sept. 5, 2004; minimum, -1.05 ft Dec. 11, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 2.83 ft Oct. 25; minimum, -1.05 ft Dec. 11.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): August 1997 to current year.
WATER TEMPERATURE (TOP, BOTTOM): August 1997 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors. Data prior to October 1, 2001, is available in the U.S. Geological Survey Open-File Report 2004-1265. Prior to October 1, 2002, only the mean daily salinity and water temperature records are available in the files of the U.S. Geological Survey.

REMARKS.--Salinity (TOP) record (maximum and minimum) rated excellent except for the following periods: Dec. 31 to Jan 13, Mar. 9, 10, Aug. 9-18, which are good. Salinity (BOTTOM) record (maximum and minimum) rated excellent except for the following periods: Dec. 13 to Jan. 6, Jan. 31 to Feb. 10, which are good, Jan. 7-13, which is rated fair. Temperature (TOP and BOTTOM) (maximum and minimum) record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensors located at -1.87 ft NGVD (TOP) and -8.6 ft NGVD (BOTTOM).

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 32.3 ppt Feb. 24, 2002; minimum recorded, 0.0 ppt Mar. 12, 1998, Nov. 3, 1999.
SALINITY (BOTTOM): Maximum recorded, 31.8 ppt Apr. 30, 2001; minimum recorded, 0.1 ppt on multiple days during the months of Apr. 1998, Oct. 1999, Aug. 2001, Sept. 2004, Oct. 2004, and July 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 33.9 C July 16, 2002; minimum recorded, 11.4 C Jan. 25, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7 C Aug. 2, 1998; minimum recorded, 12.0 C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 24.4 ppt Feb. 5, 6; minimum recorded, 0.1 ppt on multiple days during the months of Oct. and July.
SALINITY (BOTTOM): Maximum recorded, 29.2 ppt Apr. 16; minimum recorded, 0.1 ppt on multiple days during the months of Oct., June, July, Aug. and Sept.
WATER TEMPERATURE (TOP): Maximum recorded, 33.4 C Aug. 14, 17; minimum recorded, 14.6 C Jan. 25.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.4 C Aug. 17; minimum recorded, 15.0 C Jan. 25.

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.96	0.54	1.63	0.23	1.19	-0.13	0.88	-0.29	1.81	0.55	1.00	-0.13
2	1.81	0.42	1.47	0.02	1.20	-0.13	1.03	-0.11	1.89	0.47	0.97	-0.19
3	1.80	0.36	1.51	0.05	1.31	-0.02	0.91	-0.26	1.87	0.52	0.91	-0.09
4	1.81	0.46	1.52	0.17	1.35	0.17	0.77	-0.38	2.13	0.53	1.11	-0.08
5	1.82	0.42	1.54	0.14	1.09	-0.12	0.96	-0.53	2.65	1.05	0.69	-0.13
6	1.88	0.62	2.06	0.64	0.91	-0.29	0.90	-0.54	2.63	0.93	0.53	-0.25
7	2.18	1.04	1.86	0.72	0.89	-0.31	0.87	-0.66	2.28	0.73	0.56	-0.09
8	2.27	0.96	1.64	0.51	0.97	-0.37	0.98	-0.71	2.35	0.59	0.47	-0.02
9	2.30	1.03	1.88	0.38	0.88	-0.63	0.93	-0.79	2.01	0.48	0.89	-0.37
10	2.24	0.96	2.38	0.95	0.69	-0.87	1.17	-0.68	1.67	0.25	1.47	0.09
11	2.02	0.79	2.25	0.80	0.66	-1.05	1.41	-0.48	1.75	0.24	1.26	0.02
12	2.06	0.66	2.14	0.40	0.91	-0.92	1.36	-0.30	1.73	0.45	0.97	-0.45
13	2.23	0.80	1.94	0.17	0.82	-0.85	1.39	-0.24	1.67	0.20	0.77	-0.51
14	2.31	0.73	2.40	0.18	0.86	-0.88	0.92	-0.41	1.44	-0.15	0.62	-0.75
15	2.42	0.78	2.78	1.00	1.35	-0.59	1.37	-0.13	1.07	-0.39	0.51	-0.63
16	2.23	0.50	2.28	0.69	1.63	0.05	1.73	0.57	0.85	-0.32	0.83	-0.28
17	2.03	0.29	2.00	0.39	1.31	-0.11	1.93	0.53	1.01	-0.27	1.04	0.05
18	1.77	0.13	1.84	0.40	1.47	0.13	1.84	0.49	1.03	-0.25	1.37	0.29
19	1.64	-0.07	1.72	0.33	1.39	-0.01	1.83	0.19	1.29	-0.03	1.57	0.23
20	1.71	-0.11	1.64	0.32	1.15	-0.01	1.50	0.11	0.87	-0.23	1.49	0.22
21	1.93	0.19	1.50	0.29	1.31	-0.21	1.51	0.03	0.53	-0.56	1.36	0.08
22	2.44	0.77	1.60	0.16	1.10	-0.36	1.33	-0.12	0.51	-0.73	1.43	0.21
23	2.65	1.22	1.71	0.23	1.10	-0.28	1.18	-0.23	0.65	-0.68	1.17	-0.12
24	2.81	1.42	1.68	0.11	1.00	-0.59	1.55	0.02	0.85	-0.43	1.05	-0.27
25	2.83	1.47	1.30	-0.11	1.51	-0.28	1.65	0.19	1.09	-0.32	1.22	-0.17
26	2.76	1.35	1.40	-0.33	1.17	0.01	1.65	0.22	1.37	0.24	1.46	-0.03
27	2.76	1.22	1.73	0.09	1.68	0.00	1.47	0.03	1.49	0.33	1.61	0.07
28	2.51	0.99	1.41	-0.11	1.72	0.38	1.98	0.34	1.32	-0.03	1.61	-0.11
29	2.32	0.79	1.45	-0.11	1.47	0.13	1.88	0.64	---	---	1.37	-0.15
30	2.20	0.61	1.44	-0.09	1.41	-0.01	1.67	0.51	---	---	1.41	-0.32
31	1.96	0.47	---	---	1.21	-0.03	1.73	0.61	---	---	1.19	-0.45
MONTH	2.83	-0.11	2.78	-0.33	1.72	-1.05	1.98	-0.79	2.65	-0.73	1.61	-0.75
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.01	-0.45	0.73	-0.65	1.56	0.24	1.37	-0.14	1.27	-0.24	1.45	0.07
2	1.07	-0.55	1.03	-0.65	1.54	0.17	1.39	-0.17	1.39	-0.19	1.59	0.23
3	0.93	-0.52	1.40	-0.03	1.49	-0.03	1.24	-0.19	1.54	0.01	2.00	0.53
4	1.11	-0.32	1.38	0.03	1.58	0.11	1.21	-0.31	1.47	0.07	1.99	0.78
5	1.05	-0.33	1.43	-0.05	1.60	-0.07	1.34	-0.29	1.44	0.06	1.98	0.67
6	1.15	-0.27	1.83	0.21	1.63	0.07	1.39	-0.08	1.47	0.13	2.21	0.94
7	1.13	-0.27	1.89	0.34	1.57	-0.12	1.39	-0.15	1.55	0.34	---	---
8	1.40	-0.17	1.82	0.07	1.52	0.10	1.32	-0.21	1.69	0.49	---	---
9	1.47	-0.13	1.59	-0.21	1.61	0.03	1.25	-0.05	1.63	0.45	---	---
10	1.56	0.04	1.37	-0.23	1.46	0.04	1.07	-0.37	1.56	0.32	---	---
11	1.71	0.15	1.22	-0.36	1.37	-0.10	0.87	-0.15	1.39	0.13	---	---
12	1.65	-0.03	1.10	-0.22	1.15	-0.23	1.00	-0.05	1.25	-0.05	---	---
13	1.39	-0.31	1.21	-0.02	1.02	-0.03	1.05	-0.04	1.31	-0.17	2.35	0.78
14	1.15	0.15	1.29	-0.05	1.15	-0.01	1.12	-0.07	1.39	-0.17	2.46	0.76
15	1.67	0.67	1.18	-0.05	1.03	-0.10	---	---	1.33	-0.29	2.52	0.82
16	2.05	0.97	1.17	0.01	0.93	-0.34	1.14	-0.27	1.37	-0.29	2.36	0.85
17	2.13	0.99	1.00	-0.07	1.20	-0.22	1.23	-0.30	1.45	-0.34	2.21	0.72
18	1.98	0.79	1.11	0.10	1.38	-0.22	1.31	-0.34	1.59	-0.13	2.24	0.77
19	1.65	0.57	1.36	0.15	1.55	-0.19	1.32	-0.37	1.72	0.00	2.35	0.86
20	1.41	0.21	1.59	0.17	1.59	-0.14	1.39	-0.36	1.73	0.13	2.72	1.24
21	1.27	0.05	1.62	0.08	1.76	-0.07	1.45	-0.27	1.73	0.23	2.14	0.60
22	1.33	-0.01	1.93	0.22	1.71	-0.07	1.49	-0.13	1.73	0.29	1.87	0.46
23	1.21	-0.30	1.83	0.19	1.73	-0.04	1.57	-0.17	1.60	0.14	1.81	0.39
24	1.41	-0.19	1.81	-0.13	1.81	0.35	1.53	0.19	1.56	0.01	1.80	0.36
25	1.41	-0.17	1.77	0.21	1.95	0.23	1.69	0.38	2.31	0.51	1.89	0.56
26	1.37	-0.41	1.95	0.25	1.81	0.35	1.73	0.39	1.92	0.53	1.93	0.59
27	1.19	-0.60	1.91	0.01	1.79	0.31	1.43	0.05	1.89	0.48	2.04	0.74
28	1.01	-0.32	1.60	-0.11	1.47	0.15	1.14	-0.24	1.66	0.31	2.03	0.80
29	1.30	-0.33	1.43	0.12	1.19	-0.03	1.01	-0.39	1.53	0.09	2.14	0.84
30	1.11	-0.64	1.57	0.25	1.25	-0.19	0.95	-0.43	1.55	0.15	2.17	0.93
31	---	---	1.55	0.23	---	---	1.13	-0.25	1.47	0.11	---	---
MONTH	2.13	-0.64	1.95	-0.65	1.95	-0.34	1.73	-0.43	2.31	-0.34	2.72	0.07
YEAR	2.83	-1.05										

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.2	0.1	0.8	0.2	12.0	4.6	18.0	13.3	18.3	9.4	21.3	16.2
2	0.2	0.1	0.5	0.2	12.6	3.4	18.3	14.2	19.2	8.4	21.6	16.0
3	0.2	0.1	0.5	0.2	12.4	4.1	17.5	13.8	18.8	8.7	20.5	15.2
4	0.2	0.1	0.8	0.2	12.3	4.3	17.1	13.3	20.8	11.8	21.3	13.8
5	0.2	0.2	1.3	0.2	11.8	4.0	17.5	13.4	24.4	17.9	18.8	12.7
6	0.2	0.2	4.2	0.4	12.0	5.8	18.0	13.3	24.4	17.1	18.8	12.4
7	0.2	0.2	3.3	0.6	11.8	6.2	19.0	12.8	20.7	10.5	18.9	11.9
8	0.2	0.2	3.2	0.5	12.9	7.3	19.6	13.7	18.8	7.2	19.5	13.4
9	0.2	0.2	4.2	0.6	13.5	7.5	19.9	13.4	16.5	5.7	20.5	15.6
10	0.2	0.2	3.0	0.9	14.1	8.0	20.5	12.8	18.3	7.4	18.6	11.8
11	0.2	0.2	2.4	0.8	16.1	9.1	22.3	13.9	19.0	7.0	16.0	8.8
12	0.2	0.2	2.0	0.6	19.2	11.4	21.2	15.1	18.4	7.0	14.4	8.0
13	0.4	0.2	4.2	0.6	18.3	7.8	22.7	16.4	18.9	8.7	14.6	6.9
14	0.8	0.2	8.7	1.1	16.5	6.4	20.7	16.4	17.7	9.4	14.6	7.4
15	1.3	0.2	10.3	2.6	19.7	2.8	21.0	14.8	16.4	11.3	15.0	8.2
16	1.3	0.2	6.2	2.0	17.5	4.7	23.1	15.4	17.3	11.6	15.5	7.3
17	0.8	0.2	8.1	1.8	14.0	3.9	23.6	16.9	20.1	13.5	14.9	4.0
18	0.4	0.2	10.0	2.2	15.2	5.7	23.7	16.2	19.8	13.4	9.5	1.9
19	0.3	0.2	10.2	2.8	18.4	6.4	21.5	15.5	20.9	16.0	5.7	1.6
20	0.2	0.2	11.2	3.9	18.1	6.4	21.3	14.3	20.4	15.5	4.5	1.2
21	0.2	0.2	10.1	3.6	17.0	6.5	21.9	13.1	19.4	14.0	4.2	1.4
22	1.2	0.2	9.3	3.1	15.6	8.3	21.3	13.8	19.7	14.2	3.8	2.1
23	1.6	0.2	10.0	3.4	16.1	9.9	22.2	15.8	20.8	15.0	2.7	1.5
24	1.6	0.2	9.3	3.9	17.2	10.4	24.1	19.0	21.7	16.1	3.2	1.4
25	1.8	0.3	11.0	4.7	21.3	13.1	23.9	19.0	22.3	16.7	5.2	1.2
26	2.4	0.3	13.0	5.6	20.7	12.8	24.0	16.7	22.8	16.9	5.8	1.7
27	1.5	0.3	14.2	5.3	22.5	15.5	23.0	12.7	23.2	16.3	6.1	1.7
28	2.6	0.3	14.0	6.6	21.9	16.0	23.4	8.4	21.0	16.1	5.5	1.4
29	1.9	0.4	13.8	7.2	19.4	12.7	20.5	7.6	---	---	6.0	1.2
30	2.0	0.4	14.8	7.0	20.2	12.1	18.4	7.6	---	---	6.3	1.7
31	1.8	0.4	---	---	19.1	13.5	18.8	11.1	---	---	5.9	2.1
MONTH	2.6	0.1	14.8	0.2	22.5	2.8	24.1	7.6	24.4	5.7	21.6	1.2
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.0	2.5	10.4	5.3	10.0	5.4	0.6	0.2	0.2	0.2	4.9	0.8
2	6.8	2.7	11.9	4.2	7.6	3.6	0.6	0.2	0.3	0.2	6.8	1.3
3	8.1	2.6	14.8	8.0	4.2	2.0	0.4	0.2	1.1	0.2	7.8	1.5
4	9.4	2.1	14.1	7.6	2.3	0.7	0.3	0.2	1.3	0.2	7.4	2.0
5	9.9	2.7	13.7	8.5	1.0	0.4	0.3	0.2	2.0	0.2	6.4	1.4
6	11.6	4.8	15.3	6.8	0.6	0.3	0.3	0.2	1.6	0.3	4.4	0.8
7	8.8	4.0	14.2	7.3	0.6	0.2	0.3	0.2	2.0	0.3	5.4	0.7
8	7.3	2.1	13.9	5.1	0.3	0.2	0.3	0.2	1.8	0.2	6.6	1.1
9	7.8	2.4	11.4	3.8	0.3	0.2	0.3	0.2	1.1	0.2	8.0	1.3
10	8.0	2.6	10.2	4.0	0.3	0.2	0.3	0.2	1.1	0.2	7.2	1.9
11	8.9	2.9	9.7	4.9	0.3	0.2	0.3	0.2	0.8	0.2	7.0	1.9
12	7.1	2.9	9.6	5.5	0.3	0.2	0.3	0.2	1.1	0.2	9.8	2.3
13	8.4	3.8	10.1	6.1	0.3	0.2	0.2	0.2	1.4	0.2	12.0	3.1
14	11.5	4.0	10.5	5.5	1.0	0.2	0.2	0.2	2.0	0.2	12.6	4.2
15	15.0	6.4	9.9	5.1	2.2	0.4	---	---	2.1	0.2	14.2	5.6
16	15.8	7.3	11.4	5.8	4.1	0.6	0.2	0.1	1.4	0.3	14.7	6.2
17	15.0	4.0	11.9	7.1	3.8	0.5	0.2	0.1	2.1	0.3	12.4	4.5
18	14.8	3.2	11.9	8.0	4.2	0.4	0.2	0.1	1.6	0.2	9.8	3.4
19	10.0	3.1	11.1	4.9	4.8	0.6	0.2	0.1	1.5	0.2	8.6	3.7
20	9.4	3.1	9.6	2.6	4.6	0.8	0.2	0.1	1.4	0.2	9.9	3.6
21	10.7	4.0	12.8	3.6	4.7	1.2	0.2	0.2	2.4	0.2	6.2	3.5
22	12.0	4.8	13.4	4.8	5.2	0.9	0.5	0.2	2.7	0.3	5.5	3.4
23	14.1	5.8	12.6	5.3	5.9	1.3	2.1	0.2	1.8	0.4	5.1	2.8
24	17.2	8.1	15.4	5.8	5.9	0.6	2.2	0.2	2.2	0.3	4.9	2.8
25	17.8	9.7	15.4	7.7	1.9	0.4	2.1	0.3	4.8	0.3	5.6	3.0
26	17.9	9.2	16.4	8.0	1.7	0.3	1.0	0.2	2.3	0.4	5.4	2.1
27	15.9	4.6	13.9	8.6	1.4	0.2	0.6	0.2	1.5	0.4	6.2	1.7
28	13.7	2.8	14.4	6.4	0.5	0.2	0.3	0.2	1.4	0.3	5.6	1.7
29	13.5	4.8	14.4	4.8	0.3	0.2	0.2	0.2	1.2	0.3	5.1	1.7
30	11.4	5.8	12.7	5.4	0.3	0.2	0.2	0.2	2.1	0.3	4.1	1.8
31	---	---	11.5	5.4	---	---	0.3	0.2	3.5	0.3	---	---
MONTH	17.9	2.1	16.4	2.6	10.0	0.2	2.2	0.1	4.8	0.2	14.7	0.7
YEAR	24.4	0.1										

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.3	28.1	25.6	24.8	23.8	21.9	19.3	18.1	19.3	17.4	22.0	20.8
2	29.2	28.4	25.6	24.6	23.9	22.0	19.7	18.6	19.9	18.3	20.9	19.7
3	29.0	28.1	25.7	24.8	22.9	21.6	19.9	19.0	20.5	18.6	20.0	18.4
4	29.8	28.2	25.9	24.9	22.4	20.3	20.7	19.2	19.7	18.5	19.3	18.1
5	29.2	28.3	25.6	24.7	22.6	20.4	21.4	19.7	18.5	17.3	20.6	17.7
6	28.6	27.7	24.7	24.0	22.8	21.1	21.8	20.4	18.1	16.9	20.1	18.1
7	27.9	26.4	24.7	23.5	23.4	22.0	22.2	20.8	19.0	17.5	20.9	18.9
8	26.7	25.4	24.3	23.1	23.8	22.2	22.9	21.3	19.8	17.9	20.6	19.8
9	27.2	25.8	23.6	22.7	24.0	23.0	23.3	21.8	20.3	18.6	19.8	18.3
10	27.4	26.3	23.1	22.4	24.1	23.1	23.5	21.9	20.6	18.9	18.8	17.4
11	27.1	26.4	22.9	22.0	23.5	21.8	23.2	22.2	19.1	17.2	19.4	17.6
12	26.7	26.1	23.2	22.3	21.9	19.5	23.1	22.2	17.9	15.6	20.2	17.8
13	27.3	26.1	23.8	22.5	20.4	18.5	23.0	22.4	18.4	15.8	21.2	18.1
14	27.5	26.2	23.6	22.6	19.9	18.3	23.0	22.4	19.2	17.1	22.3	19.4
15	27.2	26.3	22.6	21.4	18.7	16.5	22.5	21.7	20.4	18.2	23.0	21.0
16	26.4	25.1	22.1	20.9	17.4	15.9	22.0	20.1	22.0	19.0	23.9	22.1
17	25.8	24.6	21.4	20.8	17.6	16.8	20.1	17.8	21.6	19.7	23.2	21.7
18	25.8	24.8	21.4	20.7	19.1	17.2	18.0	16.8	21.6	20.4	22.1	20.9
19	26.1	25.2	22.5	20.6	18.8	17.4	17.6	16.4	20.8	19.1	22.2	19.8
20	26.6	25.4	23.2	21.1	17.9	15.3	17.1	15.7	20.6	19.3	22.4	20.2
21	27.1	25.7	23.2	21.7	16.6	15.1	17.5	16.0	21.8	19.6	22.2	21.1
22	26.7	26.0	23.7	22.1	17.2	16.0	18.7	16.5	22.0	20.3	23.3	21.7
23	26.2	25.3	23.6	22.4	18.1	17.1	18.3	17.0	22.4	21.1	24.1	22.6
24	26.0	25.0	23.5	22.6	18.5	17.9	17.0	15.2	22.6	21.4	24.6	23.0
25	26.4	24.9	23.8	22.9	18.7	18.0	15.9	14.6	22.6	21.9	25.5	23.7
26	25.9	25.0	23.0	21.5	18.8	17.4	17.1	14.8	22.8	21.8	26.1	24.3
27	25.5	24.7	22.7	21.4	17.5	16.3	18.1	16.1	22.5	22.1	26.6	25.0
28	25.4	24.4	23.3	22.0	16.6	16.1	17.8	17.0	23.0	21.9	25.8	24.0
29	25.4	24.5	22.7	21.7	16.8	15.8	18.4	16.8	---	---	25.4	23.5
30	25.9	24.7	22.4	21.6	17.6	16.5	19.1	17.4	---	---	26.8	23.3
31	25.8	24.7	---	---	18.5	17.3	19.1	17.5	---	---	25.9	24.1
MONTH	29.8	24.4	25.9	20.6	24.1	15.1	23.5	14.6	23.0	15.6	26.8	17.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.5	24.5	26.0	25.0	28.6	27.4	30.0	28.5	30.8	29.4	31.8	29.8
2	25.4	23.5	27.2	25.1	27.4	26.6	30.6	29.3	30.4	29.3	31.7	30.0
3	23.7	21.6	26.8	25.5	26.8	26.2	31.1	29.8	31.3	29.5	30.8	29.6
4	24.2	20.7	26.8	25.8	26.7	25.8	31.3	30.0	31.0	29.5	29.9	28.6
5	24.6	22.2	25.8	25.2	26.9	25.6	31.9	30.0	30.8	29.6	28.9	28.0
6	23.9	22.5	25.6	24.7	27.5	25.7	32.0	30.5	31.3	29.7	28.2	27.5
7	24.5	22.7	25.5	24.2	28.2	26.7	32.1	30.6	32.0	30.2	28.6	27.1
8	24.8	23.3	26.2	24.1	29.2	27.6	31.6	30.6	31.1	29.4	28.1	27.4
9	24.8	23.2	26.9	24.6	28.9	28.2	31.0	29.4	31.8	29.5	28.5	27.2
10	25.3	23.4	26.9	24.8	28.4	27.2	29.5	28.7	31.3	30.0	29.6	27.6
11	25.2	23.2	27.1	25.1	27.6	26.8	29.5	28.3	31.1	30.4	30.3	28.2
12	25.2	23.7	27.4	25.6	28.2	27.1	31.0	28.8	32.8	30.3	30.3	28.2
13	25.0	23.8	27.1	25.6	29.4	27.6	32.0	29.8	32.9	31.1	30.4	28.6
14	24.8	22.9	27.1	25.3	30.8	28.4	30.8	29.6	33.4	31.0	31.0	28.3
15	23.8	22.1	27.4	25.6	31.8	29.4	---	---	32.6	30.3	30.8	28.8
16	22.4	21.2	28.1	25.5	31.6	29.8	30.7	29.5	32.7	30.9	31.4	29.3
17	22.0	20.3	28.5	26.1	31.7	29.1	31.2	29.5	33.4	31.5	30.9	29.7
18	23.4	20.3	28.0	26.5	31.6	29.7	31.1	29.4	33.2	31.4	31.2	29.7
19	23.8	21.4	28.1	26.3	31.8	30.1	31.6	29.5	33.1	31.0	30.2	29.2
20	23.7	22.1	28.9	26.1	30.8	29.1	31.6	29.8	32.9	31.2	29.2	28.3
21	24.7	22.4	28.9	27.0	29.7	28.4	31.4	29.8	32.9	31.1	28.3	27.8
22	25.2	23.1	29.4	27.3	29.6	28.7	32.0	29.9	32.5	30.8	27.9	27.6
23	25.6	23.6	29.5	27.5	29.8	28.4	32.0	30.1	32.6	30.8	28.1	27.4
24	24.9	23.3	29.6	27.7	28.8	27.7	32.7	30.3	32.3	31.0	29.0	27.4
25	24.2	21.8	28.7	27.1	29.4	27.2	31.7	30.3	31.2	29.4	28.9	27.6
26	25.1	22.6	27.6	26.6	29.6	28.1	32.0	30.3	29.4	28.5	29.3	27.9
27	25.4	23.8	28.7	26.3	29.8	28.5	31.9	30.5	29.7	28.7	29.5	27.9
28	25.6	23.6	30.1	27.4	29.5	28.2	32.0	30.5	30.0	29.0	29.9	28.1
29	26.6	24.0	30.4	28.0	29.1	28.4	31.7	30.8	30.4	28.9	30.5	28.4
30	26.3	24.3	30.6	28.7	29.8	28.3	32.1	31.0	30.9	29.4	29.3	28.5
31	---	---	29.7	28.5	---	---	31.4	30.1	31.1	29.5	---	---
MONTH	26.6	20.3	30.6	24.1	31.8	25.6	32.7	28.3	33.4	28.5	31.8	27.1
YEAR	33.4	14.6										

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.2	0.1	0.9	0.2	15.6	8.0	17.0	13.7	21.8	15.2	21.4	16.3
2	0.2	0.1	0.5	0.2	18.6	6.7	17.3	13.6	22.1	15.2	21.8	15.8
3	0.2	0.1	0.5	0.2	19.0	6.9	16.5	13.4	22.3	14.9	22.7	15.0
4	0.2	0.1	0.8	0.2	18.9	8.0	16.7	13.4	20.6	16.7	22.0	14.2
5	0.2	0.2	1.8	0.3	18.2	8.5	17.3	13.2	24.9	17.2	21.1	13.0
6	0.2	0.2	12.8	0.6	15.1	9.6	18.3	13.0	26.0	17.5	19.3	12.6
7	0.2	0.2	11.6	0.9	13.1	9.2	19.1	12.9	21.3	15.9	21.1	13.9
8	0.2	0.2	8.7	0.9	14.1	9.5	20.1	13.5	21.8	13.0	20.1	13.9
9	0.2	0.2	6.5	0.9	15.3	9.7	20.8	13.3	19.5	13.2	21.3	15.4
10	0.2	0.2	3.8	1.0	15.6	9.2	22.1	13.0	18.5	11.7	20.5	13.2
11	0.2	0.2	2.4	0.8	17.6	10.2	22.6	14.5	20.9	14.2	19.4	9.9
12	0.2	0.2	2.6	0.7	20.8	11.4	21.5	15.3	21.3	14.1	16.1	9.1
13	0.7	0.2	7.0	0.7	20.4	10.2	24.0	16.0	21.1	13.8	15.9	9.0
14	1.9	0.2	8.8	1.2	19.2	10.2	21.4	16.7	18.9	13.7	16.6	10.1
15	1.8	0.2	11.2	2.8	19.2	9.1	23.2	13.2	17.7	14.1	16.5	10.2
16	1.8	0.2	7.0	2.4	20.3	10.8	25.6	16.0	19.5	14.3	18.5	10.8
17	0.8	0.2	14.3	2.7	16.7	10.2	27.0	12.6	22.8	14.7	17.7	6.1
18	0.4	0.2	17.3	3.1	17.3	10.6	25.5	17.1	20.9	15.3	15.2	3.2
19	0.3	0.2	15.5	4.6	20.8	11.9	25.0	17.6	23.2	16.1	10.0	2.5
20	0.2	0.2	14.0	6.0	19.8	12.6	25.8	17.1	20.8	16.0	7.1	2.2
21	0.2	0.2	14.0	5.2	19.4	12.3	24.3	16.2	20.2	15.7	5.5	1.8
22	1.2	0.2	12.9	4.8	16.7	12.7	24.0	16.4	20.3	15.6	5.5	2.3
23	2.1	0.2	13.0	5.0	17.4	11.6	22.9	17.0	21.0	16.2	3.1	1.7
24	2.6	0.2	13.0	6.2	17.8	12.2	24.7	18.8	22.4	16.7	3.7	1.5
25	4.9	0.3	14.2	5.6	20.8	12.8	26.8	19.0	22.6	16.8	6.8	1.4
26	3.8	0.3	15.2	6.7	19.8	12.3	26.7	18.2	22.7	16.8	7.6	2.2
27	3.1	0.3	16.9	7.4	22.0	14.5	24.3	16.6	23.2	17.3	8.3	2.3
28	4.5	0.5	15.6	7.2	21.2	15.2	23.3	17.1	21.1	16.2	8.2	2.2
29	2.9	0.4	15.6	7.7	19.2	14.9	20.6	13.9	---	---	10.5	2.0
30	3.4	0.5	15.4	8.5	19.1	14.8	21.0	14.8	---	---	10.5	2.1
31	2.0	0.5	---	---	17.9	13.8	19.8	14.8	---	---	8.2	2.9
MONTH	4.9	0.1	17.3	0.2	22.0	6.7	27.0	12.6	26.0	11.7	22.7	1.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.8	2.8	11.0	7.1	11.3	6.8	0.6	0.2	0.2	0.2	11.9	1.4
2	9.1	3.2	15.6	7.2	9.3	4.0	0.6	0.2	0.2	0.2	13.1	2.2
3	11.1	3.3	18.8	9.7	5.0	2.0	0.4	0.2	1.2	0.2	14.2	2.5
4	16.2	3.9	19.4	9.8	2.3	0.8	0.3	0.2	1.6	0.2	8.3	2.4
5	14.3	3.7	15.5	9.3	1.0	0.5	0.3	0.2	2.3	0.2	7.2	2.1
6	12.0	5.3	17.3	7.3	0.6	0.3	0.3	0.2	2.2	0.3	8.4	1.4
7	9.3	4.3	20.2	7.6	0.4	0.2	0.3	0.2	3.5	0.4	9.7	1.4
8	10.6	2.8	14.1	7.1	0.3	0.2	0.3	0.2	2.6	0.2	12.3	2.3
9	11.9	2.7	13.8	5.2	0.3	0.2	0.3	0.2	1.9	0.2	13.4	2.8
10	13.9	3.1	13.3	5.9	0.3	0.2	0.3	0.2	1.5	0.2	13.7	2.8
11	11.3	3.3	12.1	5.9	0.3	0.2	0.3	0.2	1.1	0.2	18.9	3.0
12	10.8	3.9	11.3	6.6	0.3	0.2	0.3	0.2	1.2	0.2	17.8	3.4
13	17.5	4.3	10.1	6.6	0.3	0.2	0.2	0.2	1.5	0.2	17.5	5.1
14	19.7	6.5	10.0	6.0	1.5	0.2	0.2	0.2	2.4	0.3	18.2	5.8
15	19.4	7.6	13.8	6.3	2.9	0.4	---	---	4.9	0.2	18.6	7.8
16	24.5	8.8	14.7	7.6	4.5	0.6	0.2	0.1	1.5	0.3	18.7	8.0
17	25.1	10.6	12.0	8.0	6.6	0.6	0.2	0.1	2.3	0.3	15.7	6.1
18	21.4	7.7	12.6	8.2	5.4	0.6	0.2	0.1	2.7	0.2	12.6	5.3
19	12.1	8.2	11.9	6.9	6.8	0.7	0.2	0.1	2.8	0.2	9.2	5.2
20	11.2	6.8	13.3	6.0	7.1	0.8	0.2	0.1	3.5	0.2	9.8	4.6
21	12.8	7.3	16.3	6.4	8.2	1.4	0.2	0.1	4.5	0.2	6.2	4.1
22	14.1	7.7	15.7	6.9	8.3	1.1	0.5	0.1	4.4	0.4	5.3	3.5
23	15.9	8.3	16.4	7.4	8.0	1.6	2.0	0.2	2.8	0.5	4.8	3.2
24	18.3	9.7	18.6	6.8	6.8	0.7	3.7	0.2	2.1	0.3	4.8	3.0
25	19.8	11.0	18.9	8.7	3.1	0.4	3.1	0.3	5.4	0.3	5.5	3.1
26	21.1	10.4	16.9	8.9	1.8	0.3	1.3	0.2	2.3	0.4	7.2	2.8
27	17.9	8.5	15.4	8.8	1.5	0.2	0.6	0.2	1.6	0.4	16.0	2.9
28	15.6	7.5	18.6	8.2	0.6	0.2	0.3	0.1	1.6	0.4	15.4	2.8
29	16.1	7.5	16.0	7.7	0.3	0.2	0.2	0.2	1.3	0.3	11.3	2.7
30	12.6	7.2	14.9	8.6	0.3	0.2	0.2	0.2	2.7	0.4	5.2	1.9
31	---	---	13.6	8.7	---	---	0.3	0.2	7.4	0.6	---	---
MONTH	25.1	2.7	20.2	5.2	11.3	0.2	3.7	0.1	7.4	0.2	18.9	1.4
YEAR	27.0	0.1										

02277100 ST. LUCIE RIVER AT SPEEDY POINT, STUART, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.3	28.1	25.6	24.8	22.9	22.1	19.4	18.1	19.2	17.9	22.1	20.8
2	29.2	28.5	25.6	24.7	23.2	22.3	19.7	18.6	19.5	18.5	20.9	19.8
3	29.0	28.1	25.7	24.8	23.0	22.0	19.9	19.1	19.8	19.1	20.2	18.6
4	29.6	28.2	25.9	24.9	22.7	20.8	20.7	19.2	19.8	18.5	19.3	18.1
5	29.2	28.1	25.5	24.9	22.4	20.7	21.3	19.8	18.9	17.5	20.2	18.3
6	28.6	27.7	25.6	24.1	22.8	21.6	21.8	20.6	18.0	17.0	20.1	18.3
7	27.8	26.4	24.8	23.6	23.2	22.1	22.3	21.0	18.5	17.5	20.6	19.2
8	26.7	25.4	24.5	23.4	23.7	22.4	22.8	21.4	19.4	18.1	20.6	19.8
9	27.2	25.7	23.7	23.1	23.9	23.1	23.2	21.9	19.9	18.8	19.9	18.4
10	27.4	26.3	23.2	22.3	24.0	23.1	23.3	22.2	20.2	19.1	18.9	17.6
11	27.1	26.4	22.9	22.0	23.6	21.9	23.1	22.2	19.1	17.7	19.3	17.9
12	26.6	26.1	23.2	22.3	21.9	20.1	22.9	22.3	18.3	16.6	19.9	18.2
13	27.3	26.1	23.7	22.5	20.4	19.1	22.9	22.5	18.0	16.7	20.8	18.5
14	27.5	26.2	23.6	22.6	20.0	18.6	23.0	22.4	19.1	17.4	21.8	19.7
15	27.2	26.5	22.7	21.4	18.9	16.9	22.5	21.8	20.3	18.2	22.6	20.9
16	26.6	25.1	22.0	20.9	17.3	16.2	22.2	20.3	20.7	19.1	23.6	22.0
17	25.8	24.6	21.8	20.9	17.5	16.8	20.7	18.2	21.4	20.0	23.1	21.8
18	25.8	24.8	21.9	20.8	18.9	17.3	18.7	17.0	21.5	20.6	22.4	21.1
19	26.0	25.2	22.4	20.9	18.8	17.8	17.5	16.5	20.8	19.4	22.0	20.2
20	26.5	25.4	23.1	21.3	18.3	16.0	17.4	16.1	20.6	19.3	22.1	20.6
21	27.0	25.7	23.2	22.1	16.8	15.4	17.4	16.4	21.3	19.9	22.2	21.2
22	26.7	26.0	23.7	22.4	17.1	16.1	18.4	16.9	21.9	20.5	23.3	21.8
23	26.2	25.4	23.7	22.8	18.1	17.0	18.3	17.0	22.4	21.2	24.0	22.6
24	26.0	25.2	23.7	22.8	18.5	17.8	17.0	15.3	22.6	21.5	24.7	23.0
25	26.4	25.1	23.8	23.0	19.1	18.1	16.1	15.0	22.6	22.1	25.3	23.7
26	25.8	25.1	23.0	21.7	19.0	17.6	16.8	15.1	22.7	21.9	25.8	24.4
27	25.5	24.7	22.6	21.6	17.6	16.5	17.6	16.1	22.5	22.3	26.4	25.0
28	25.4	24.5	23.0	22.1	16.9	16.2	17.3	16.9	23.0	22.0	25.8	24.1
29	25.4	24.5	22.7	22.0	16.7	16.0	17.8	16.8	---	---	25.0	23.5
30	25.7	24.8	22.4	21.8	17.6	16.6	18.5	17.4	---	---	25.2	23.5
31	25.9	24.8	---	---	18.4	17.3	19.0	17.8	---	---	25.8	24.3
MONTH	29.6	24.5	25.9	20.8	24.0	15.4	23.3	15.0	23.0	16.6	26.4	17.6
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.4	24.7	25.9	25.1	28.7	27.5	30.0	28.5	30.7	29.4	31.4	29.9
2	25.4	23.7	26.7	25.3	27.5	26.7	30.6	29.3	30.3	29.3	31.2	30.0
3	23.9	21.9	26.9	25.7	26.8	26.2	31.1	29.8	31.3	29.5	30.8	29.6
4	23.8	21.5	26.5	25.9	26.7	25.8	31.3	30.0	31.0	29.6	29.9	28.7
5	24.7	22.3	26.0	25.4	26.9	25.6	31.9	30.0	30.7	29.6	28.9	28.1
6	23.8	22.5	25.6	24.8	27.5	25.7	32.0	30.5	31.1	29.8	28.2	27.7
7	24.3	22.8	25.5	24.4	28.2	26.7	32.1	30.6	31.5	30.2	28.3	27.3
8	24.8	23.4	25.7	23.8	29.2	27.6	31.6	30.6	30.9	29.6	28.0	27.4
9	24.7	23.4	26.5	24.5	28.9	28.2	30.9	29.4	30.9	29.5	28.3	27.3
10	24.9	23.6	26.6	25.0	28.4	27.2	29.5	28.7	31.2	30.0	29.4	27.7
11	24.8	23.4	26.7	25.3	27.6	26.8	29.5	28.3	31.0	30.4	29.8	28.3
12	24.8	23.9	26.9	25.8	28.2	27.1	30.6	28.8	32.4	30.3	29.7	28.5
13	24.9	23.9	27.1	25.7	29.2	27.6	31.6	29.8	32.8	31.0	30.0	28.9
14	24.2	23.1	27.1	25.4	30.7	28.4	30.8	29.6	33.1	31.0	30.4	29.0
15	23.7	22.2	26.4	25.6	31.4	29.4	---	---	32.6	30.5	30.7	29.1
16	22.8	21.7	27.7	25.6	31.4	29.9	30.6	29.5	32.7	31.0	30.9	29.5
17	22.2	21.0	28.5	26.3	31.1	29.3	31.2	29.4	33.4	31.6	30.8	29.7
18	23.6	21.2	28.1	26.5	31.6	29.8	31.1	29.4	33.3	31.5	30.8	29.7
19	23.7	21.5	28.1	26.4	31.8	30.2	31.6	29.5	33.1	31.0	30.2	29.2
20	23.7	22.1	28.8	26.6	30.9	29.4	31.6	29.8	32.6	31.2	29.2	28.3
21	24.7	22.5	28.9	27.3	29.6	28.4	31.4	29.8	32.4	31.1	28.4	27.9
22	25.2	23.2	29.3	27.4	29.5	28.4	32.0	29.9	32.5	30.8	27.9	27.6
23	25.3	23.7	29.1	27.9	29.6	28.4	32.0	30.1	32.4	30.8	28.0	27.4
24	24.6	23.3	29.4	28.0	28.8	27.8	31.8	30.3	32.3	31.0	29.0	27.4
25	24.0	22.5	28.5	27.3	29.0	27.2	31.5	30.3	31.2	29.4	28.9	27.6
26	24.9	23.1	27.5	26.6	29.5	28.1	31.9	30.3	29.4	28.5	29.1	27.9
27	25.2	24.0	28.2	26.6	29.8	28.5	31.9	30.5	29.7	28.7	29.2	28.2
28	25.5	23.9	29.6	27.5	29.5	28.2	31.8	30.5	29.8	29.0	29.9	28.5
29	25.9	24.3	30.2	28.2	29.1	28.4	31.7	30.8	30.4	28.9	30.4	28.7
30	26.1	24.6	30.4	28.9	29.7	28.3	32.1	31.0	30.9	29.5	29.3	28.7
31	---	---	29.7	28.6	---	---	31.4	30.1	30.8	29.7	---	---
MONTH	26.4	21.0	30.4	23.8	31.8	25.6	32.1	28.3	33.4	28.5	31.4	27.3
YEAR	33.4	15.0										

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL

LOCATION.--Lat 27 11'58", long 80 12'25", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, sec.2, T.38 S., R.41 E., Martin County, Hydrologic Unit 03090202, middle of Evans Crary Sr. Bridge footing, 2.7 mi west of Atlantic Ocean, 3.4 mi southeast of Stuart.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--
DISCHARGE: August 1997 to September 2000.
GAGE HEIGHT: August 1997 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2000, an acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 converted through VERTCON using the NAVD88 survey levels from a benchmark provided by Florida Department of Environmental Protection (FDEP). Gage height data prior to water year 2003 are 0.07 ft lower than current datum. This datum was taken into account and the data prior to water year 2003 has been updated.

REMARKS.--Gage height record good for the entire year.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 48,900 ft^3/s Aug. 31, 1997; minimum negative, 44,600 ft^3/s July 24, 2000.
GAGE HEIGHT: Maximum gage height, 5.47 ft Sept. 25, 2004; minimum, -1.21 ft Apr. 28, 1998.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 2.99 ft Sept. 9; minimum, -1.04 ft Dec. 11.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): August 1997 to current year.
WATER TEMPERATURE (TOP, BOTTOM): August 1997 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.-- Salinity (TOP) record (maximum and minimum) rated excellent except for the following periods: Dec. 13 to Jan. 6, which are good; Jan. 7-12, which are fair; Nov. 8, 9, Jan. 23, 24, July 15, which are missing values. Salinity (BOTTOM) record (maximum and minimum) rated excellent except for the following periods: Jan. 23, 24, July 15, which are missing values. Temperature (TOP and BOTTOM) record are rated excellent. Elevation of salinity and temperature sensors ranged from -1.6 ft to -1.7 ft NGVD (TOP) and -6.8 ft NGVD (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 37 ppt May 31, 2004; minimum recorded, 0.01 ppt Apr. 7, 1998.
SALINITY (BOTTOM): Maximum recorded, 38 ppt Mar. 22, 1999, Mar. 11, 31, 2002; minimum recorded, 0.0 ppt Mar. 20, 21, 26, Apr. 1, 1998.
WATER TEMPERATURE (TOP): Maximum recorded, 33.8 C Aug. 18, 1998; minimum recorded, 12.0 C Jan. 25, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.4 C Sept. 1, 1998; minimum recorded, 12.0 C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 36.2 ppt Jan. 13; minimum recorded, 0.1 Oct. 1.
SALINITY (BOTTOM): Maximum recorded, 35.0 ppt Nov. 15, Jan. 13, Mar. 9; minimum recorded, 0.1 ppt Oct. 1.
WATER TEMPERATURE (TOP): Maximum recorded, 34.2 C Aug. 22; minimum recorded, 14.6 C Jan. 25.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.6 C Aug. 18; minimum recorded, 14.7 C Jan. 25.

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.88	0.38	1.50	0.18	1.09	-0.17	0.74	-0.34	1.78	0.55	1.16	-0.10
2	1.71	0.28	1.36	-0.02	1.13	-0.18	0.85	-0.18	1.88	0.47	1.11	-0.23
3	1.66	0.25	1.40	0.03	1.19	-0.05	0.75	-0.31	1.86	0.52	1.11	-0.20
4	1.69	0.38	1.41	0.17	1.26	0.13	0.68	-0.40	2.16	0.66	1.33	-0.23
5	1.72	0.36	1.49	0.18	0.95	-0.13	0.85	-0.55	2.72	1.08	1.09	-0.50
6	1.72	0.50	1.98	0.71	0.80	-0.35	0.82	-0.63	2.62	0.94	0.88	-0.51
7	2.01	0.83	1.80	0.67	0.79	-0.38	0.79	-0.68	2.25	0.69	1.03	-0.44
8	2.15	0.83	1.56	0.47	0.87	-0.51	0.90	-0.74	2.36	0.58	1.01	-0.43
9	2.21	0.92	1.70	0.37	0.78	-0.67	0.86	-0.82	2.03	0.48	1.34	-0.47
10	2.14	0.79	2.19	0.76	0.60	-0.92	1.09	-0.71	1.71	0.25	1.43	0.02
11	1.92	0.67	2.12	0.71	0.69	-1.04	1.29	-0.51	1.76	0.34	1.23	-0.18
12	1.99	0.59	2.06	0.34	0.85	-0.93	1.25	-0.34	1.77	0.46	0.84	-0.52
13	2.20	0.72	1.87	0.13	0.75	-0.88	1.25	-0.29	1.69	0.20	0.76	-0.65
14	2.25	0.68	2.22	0.08	0.74	-0.91	1.07	-0.44	1.41	-0.10	0.61	-0.84
15	2.37	0.71	2.59	0.84	1.24	-0.58	1.29	-0.12	1.06	-0.38	0.48	-0.59
16	2.12	0.46	2.19	0.62	1.45	-0.06	1.71	0.60	0.85	-0.29	0.81	-0.25
17	1.91	0.24	1.93	0.34	1.20	-0.16	1.96	0.57	1.01	-0.23	1.04	0.05
18	1.63	0.03	1.77	0.38	1.34	0.09	1.85	0.47	1.07	-0.21	1.34	0.28
19	1.48	-0.13	1.63	0.27	1.32	-0.03	1.76	0.15	1.24	-0.13	1.57	0.27
20	1.57	-0.19	1.53	0.26	1.14	-0.07	1.46	0.13	0.90	-0.32	1.49	0.19
21	1.82	0.12	1.41	0.19	1.21	-0.35	1.47	0.04	0.66	-0.56	1.33	0.13
22	2.33	0.53	1.50	0.13	0.97	-0.42	1.26	-0.10	0.50	-0.70	1.40	0.22
23	2.55	1.11	1.59	0.21	1.02	-0.30	1.21	-0.20	0.64	-0.66	1.16	-0.06
24	2.74	1.30	1.58	0.07	0.90	-0.61	1.55	0.10	0.89	-0.41	1.01	-0.23
25	2.75	1.35	1.25	-0.14	1.41	-0.30	1.61	0.21	1.24	-0.32	1.19	-0.11
26	2.74	1.29	1.31	-0.35	1.42	0.06	1.61	0.24	1.50	0.20	1.43	0.00
27	2.71	1.18	1.59	0.03	1.66	0.01	1.40	0.04	1.53	0.34	1.55	0.13
28	2.46	0.99	1.30	-0.10	1.59	0.31	1.80	0.33	1.49	0.03	1.53	-0.02
29	2.26	0.76	1.29	-0.14	1.38	0.10	1.75	0.61	---	---	1.40	-0.11
30	2.14	0.60	1.25	-0.16	1.24	-0.05	1.65	0.51	---	---	1.40	-0.31
31	1.86	0.45	---	---	1.03	-0.10	1.68	0.61	---	---	1.14	-0.43
MONTH	2.75	-0.19	2.59	-0.35	1.66	-1.04	1.96	-0.82	2.72	-0.70	1.57	-0.84
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	0.99	-0.41	0.73	-0.60	1.56	0.32	1.38	-0.05	1.31	-0.20	1.52	0.15
2	1.04	-0.46	1.06	-0.57	1.54	0.25	1.39	-0.10	1.40	-0.12	1.67	0.31
3	0.93	-0.27	1.37	0.00	1.50	0.01	1.27	-0.19	1.57	0.06	2.04	0.65
4	1.10	-0.30	1.33	0.05	1.59	0.08	1.23	-0.34	1.52	0.09	1.97	0.84
5	1.04	-0.30	1.41	0.01	1.59	-0.11	1.34	-0.26	1.48	0.15	2.04	0.80
6	1.06	-0.28	1.85	0.21	1.64	-0.01	1.39	-0.09	1.52	0.20	2.36	1.03
7	1.06	-0.27	1.86	0.31	1.47	-0.11	1.37	-0.16	1.65	0.38	2.56	1.28
8	1.38	-0.14	1.68	0.08	1.56	0.06	1.31	-0.24	1.74	0.54	2.75	1.29
9	1.47	-0.12	1.56	-0.20	1.61	0.02	1.18	-0.17	1.68	0.53	2.99	1.55
10	1.56	0.04	1.35	-0.22	1.40	-0.05	1.09	-0.36	1.59	0.42	2.88	1.42
11	1.65	0.11	1.21	-0.34	1.32	-0.06	0.87	-0.15	1.41	0.25	2.66	1.21
12	1.60	-0.04	1.10	-0.21	1.15	-0.15	1.01	0.00	1.25	0.05	2.59	1.04
13	1.35	-0.23	1.17	-0.05	1.05	0.03	1.10	0.03	1.34	-0.07	2.46	0.92
14	1.17	0.17	1.22	-0.04	1.16	0.06	1.12	-0.05	1.40	-0.06	2.55	0.89
15	1.70	0.70	1.16	0.00	1.07	-0.05	---	---	1.32	-0.23	2.61	0.93
16	2.06	1.04	1.17	0.02	0.88	-0.25	1.15	-0.24	1.37	-0.25	2.41	0.92
17	2.18	1.06	1.00	-0.05	1.19	-0.12	1.24	-0.30	1.47	-0.30	2.28	0.81
18	2.02	0.73	1.03	-0.04	1.38	-0.15	1.29	-0.33	1.60	-0.11	2.27	0.88
19	1.61	0.58	1.30	0.09	1.57	-0.16	1.31	-0.37	1.73	0.05	2.34	0.92
20	1.39	0.27	1.56	0.14	1.62	-0.04	1.38	-0.36	1.77	0.18	2.67	1.20
21	1.24	0.05	1.63	0.07	1.80	-0.02	1.47	-0.27	1.77	0.31	2.14	0.68
22	1.32	0.00	1.90	0.22	1.76	0.01	1.57	-0.08	1.75	0.37	1.93	0.53
23	1.24	-0.15	1.87	0.22	1.76	-0.02	1.60	-0.10	1.64	0.25	1.85	0.47
24	1.47	-0.09	1.74	-0.02	1.80	0.35	1.55	0.27	1.55	0.13	1.83	0.45
25	1.45	-0.15	1.87	0.26	1.98	0.27	1.73	0.44	2.23	0.59	1.93	0.65
26	1.40	-0.39	1.98	0.28	1.83	0.39	1.76	0.43	1.86	0.59	1.98	0.69
27	1.23	-0.54	1.93	0.08	1.81	0.36	1.45	0.12	1.93	0.52	2.09	0.83
28	1.04	-0.30	1.62	-0.04	1.48	0.19	1.18	-0.24	1.72	0.44	2.08	0.86
29	1.29	-0.29	1.48	0.18	1.20	-0.02	1.00	-0.35	1.55	0.20	2.15	0.91
30	1.11	-0.62	1.59	0.32	1.31	-0.12	1.02	-0.44	1.65	0.28	2.18	0.96
31	---	---	1.57	0.26	---	---	1.18	-0.23	1.56	0.26	---	---
MONTH	2.18	-0.62	1.98	-0.60	1.98	-0.25	1.76	-0.44	2.23	-0.30	2.99	0.15
YEAR	2.99	-1.04										

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.9	0.1	11.7	1.2	24.5	11.2	30.9	19.2	28.5	18.8	30.4	23.6
2	2.6	0.2	8.8	0.7	23.7	10.9	32.2	20.8	29.4	19.8	31.1	22.2
3	3.4	0.2	14.6	0.7	23.0	11.3	30.6	19.0	30.6	17.6	32.4	22.5
4	4.2	0.2	14.4	0.6	23.2	11.2	31.1	17.5	32.6	18.7	32.5	20.2
5	5.1	0.2	10.9	0.9	23.8	11.5	31.9	17.6	33.4	23.7	30.6	20.1
6	2.2	0.2	18.8	1.6	22.6	10.8	32.0	17.3	33.5	23.1	30.2	19.7
7	2.0	0.2	17.8	3.3	23.9	11.9	32.8	18.1	32.2	21.3	32.7	19.2
8	2.7	0.2	---	---	27.6	11.9	33.7	18.8	33.2	16.9	33.0	20.3
9	3.8	0.2	---	---	28.1	12.6	32.9	17.3	29.9	14.6	33.5	20.7
10	4.3	0.2	22.9	4.4	30.9	13.7	33.5	18.8	28.6	15.2	29.0	19.8
11	4.8	0.2	25.1	2.9	31.6	14.9	33.0	19.8	30.9	19.7	26.3	16.7
12	6.3	0.3	25.9	2.0	33.8	18.0	33.0	21.8	29.8	19.3	27.3	15.7
13	7.1	0.3	27.1	1.6	31.7	15.7	36.2	24.1	29.8	18.4	26.9	15.1
14	14.6	0.7	32.2	3.7	31.7	14.9	32.6	20.9	30.1	18.0	26.6	14.2
15	16.5	1.0	34.1	10.9	33.2	17.7	33.2	22.1	29.7	17.2	27.5	14.9
16	13.0	1.0	30.1	8.1	31.4	14.1	31.8	25.4	29.4	18.5	30.0	16.1
17	15.2	0.7	25.5	4.9	27.9	13.5	32.2	25.3	31.3	18.8	28.3	11.1
18	10.9	0.4	26.1	7.6	28.0	14.4	31.8	24.3	30.6	19.2	16.1	6.2
19	9.2	0.4	26.8	8.3	26.6	15.7	32.3	21.2	32.1	22.6	14.6	4.8
20	9.2	0.3	25.7	9.0	25.6	17.5	30.8	21.0	31.2	24.2	14.5	4.8
21	13.8	0.3	23.9	8.9	28.0	17.2	32.0	22.1	31.7	19.5	18.9	4.6
22	15.2	0.5	25.0	7.8	30.7	17.0	30.9	21.4	31.4	20.8	17.7	5.0
23	16.4	0.6	26.1	8.5	30.9	17.1	---	---	32.8	21.1	10.4	3.7
24	15.7	1.1	27.8	9.0	29.9	15.0	---	---	33.9	22.4	20.6	3.4
25	15.1	1.7	24.5	10.0	33.9	17.9	32.1	23.5	32.8	22.9	21.7	3.5
26	15.5	1.4	29.0	11.5	31.0	21.7	32.3	23.3	33.4	24.6	23.4	5.9
27	20.9	1.6	31.2	15.3	33.4	22.0	30.4	22.0	33.9	24.7	24.3	6.3
28	22.6	1.7	29.0	13.1	32.1	21.7	33.9	21.2	32.9	23.4	20.9	6.9
29	23.0	1.9	30.9	13.5	32.6	21.6	30.8	20.6	---	---	21.0	6.4
30	21.2	1.7	30.7	15.2	32.1	20.9	28.6	15.5	---	---	23.2	6.8
31	16.9	1.5	---	---	32.3	22.0	27.5	18.4	---	---	23.6	6.2
MONTH	23.0	0.1	34.1	0.6	33.9	10.8	36.2	15.5	33.9	14.6	33.5	3.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.2	6.7	23.7	10.9	23.6	10.8	7.3	0.5	6.5	0.2	21.6	3.4
2	26.2	7.9	27.5	10.8	16.5	8.1	10.3	0.8	10.4	0.2	23.4	4.8
3	23.3	8.7	31.2	13.7	11.9	4.6	7.0	0.7	15.0	0.5	24.3	6.6
4	26.1	9.1	29.8	15.9	7.8	2.6	6.1	0.3	11.6	0.8	25.2	8.0
5	26.0	10.3	28.2	14.8	4.0	0.8	9.8	0.3	12.7	1.3	22.9	5.6
6	29.9	13.7	30.1	13.4	2.8	0.5	8.6	0.3	15.0	1.3	22.1	3.4
7	27.5	10.7	30.7	14.4	4.3	0.3	10.1	0.3	13.8	1.4	17.5	3.8
8	20.6	7.1	29.6	11.8	9.4	0.3	6.1	0.3	16.2	1.4	16.9	5.3
9	25.2	6.5	26.7	9.1	8.7	0.3	8.3	0.3	13.2	1.0	22.1	6.5
10	28.2	7.4	26.8	9.3	7.1	0.3	2.7	0.2	14.0	0.8	24.8	6.1
11	28.2	8.3	26.4	9.1	6.6	0.3	2.2	0.2	14.0	0.8	25.2	5.2
12	27.8	7.9	25.9	8.8	2.7	0.3	3.1	0.3	12.3	0.7	25.8	6.7
13	27.1	8.9	27.4	13.4	10.3	0.4	4.5	0.3	13.7	0.6	28.1	7.6
14	25.6	11.2	28.5	13.4	18.7	0.5	7.5	0.3	18.4	1.4	31.0	9.9
15	27.5	15.7	28.0	10.8	17.7	1.4	---	---	18.7	1.6	31.8	11.9
16	29.7	17.8	26.3	10.9	17.0	2.4	5.3	0.2	18.3	1.2	28.5	13.3
17	26.3	15.8	27.4	13.6	15.9	3.1	8.1	0.2	20.3	0.8	26.0	11.2
18	22.1	11.6	27.4	14.8	15.7	3.0	7.5	0.2	20.3	1.3	27.1	8.1
19	23.7	12.9	29.8	14.1	22.4	3.4	9.4	0.2	19.9	0.9	28.2	9.0
20	22.0	10.8	28.4	10.3	24.4	3.7	14.1	0.2	19.1	0.9	31.4	10.7
21	23.4	9.3	27.6	9.4	27.4	4.0	14.0	0.2	17.5	1.2	24.4	7.0
22	26.0	10.9	31.9	10.7	27.5	4.3	18.2	0.3	18.2	1.4	23.6	5.9
23	28.5	12.1	31.4	12.2	27.4	4.7	15.8	0.9	18.0	1.2	23.0	5.5
24	31.9	15.9	30.6	12.9	28.6	2.7	17.7	1.5	21.7	1.1	22.0	4.7
25	31.5	17.4	31.9	17.4	20.1	1.6	16.9	1.0	26.4	3.0	23.3	5.1
26	31.8	17.3	30.2	16.4	16.8	1.2	13.8	0.6	20.3	3.3	21.7	5.6
27	31.5	14.2	31.1	14.2	16.8	0.7	9.7	0.6	23.8	3.0	21.5	4.8
28	29.4	12.8	30.0	14.0	6.4	0.4	6.6	0.3	14.6	1.4	21.7	4.7
29	30.1	12.3	27.3	14.3	4.9	0.3	5.2	0.3	15.2	1.0	19.4	4.1
30	28.3	12.2	28.4	13.3	10.2	0.3	7.6	0.2	19.8	1.2	19.2	3.6
31	---	---	25.0	12.5	---	---	4.4	0.2	21.6	2.1	---	---
MONTH	31.9	6.5	31.9	8.8	28.6	0.3	18.2	0.2	26.4	0.2	31.8	3.4
YEAR	36.2	0.1										

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.5	27.5	26.0	24.8	24.0	21.4	20.0	17.8	19.5	17.5	22.3	20.7
2	29.2	27.8	26.4	24.6	23.6	21.8	20.6	18.5	19.9	18.3	20.9	19.5
3	29.3	27.6	26.1	24.5	23.1	21.2	20.6	19.1	20.2	18.9	20.0	18.3
4	29.4	27.9	26.4	24.8	21.9	20.0	21.2	19.2	19.8	18.1	19.1	18.0
5	29.5	28.0	25.5	24.5	22.2	20.1	21.6	20.1	18.1	16.6	20.1	17.8
6	28.6	27.7	24.7	23.5	22.8	21.1	21.9	20.6	17.8	16.3	20.1	18.1
7	27.8	25.9	24.8	22.6	23.2	22.0	22.9	20.8	18.8	17.0	21.2	19.0
8	26.5	25.4	---	---	24.1	22.2	23.5	21.5	19.8	17.8	20.4	19.5
9	27.0	25.3	---	---	24.5	22.9	23.8	21.5	20.8	18.4	20.4	18.5
10	27.3	25.8	23.5	22.4	24.1	23.2	23.9	21.7	20.8	19.1	18.8	17.7
11	26.8	26.1	23.1	21.8	23.6	21.4	23.6	21.9	20.0	17.9	19.0	17.2
12	26.5	26.0	23.7	22.0	21.5	19.4	23.3	21.9	18.4	16.3	19.8	18.0
13	27.1	25.9	25.0	22.4	20.4	18.5	23.3	22.3	18.7	15.9	20.9	17.9
14	27.1	26.0	25.4	22.9	20.3	18.7	23.2	22.3	19.4	16.8	22.1	19.2
15	27.1	26.0	24.6	21.4	19.4	16.4	22.4	21.5	20.6	18.0	23.0	20.7
16	26.1	24.8	23.0	20.5	18.2	15.7	22.2	20.0	21.2	18.9	23.7	21.8
17	26.3	24.5	22.4	20.3	18.2	16.5	20.1	17.9	22.1	19.8	23.3	21.7
18	26.3	24.5	22.5	20.5	19.5	17.1	17.9	16.7	21.8	20.3	22.1	20.3
19	26.6	25.1	23.2	20.6	18.9	17.4	17.7	16.4	21.4	19.9	22.2	19.8
20	26.6	25.4	23.4	21.2	17.8	15.9	16.9	15.6	21.1	19.6	22.6	20.2
21	26.9	25.1	23.5	21.8	16.8	15.2	17.7	16.2	21.7	19.4	22.6	21.1
22	26.7	25.5	24.2	22.5	17.5	16.2	18.4	16.6	22.9	20.4	23.7	21.8
23	26.2	25.2	24.1	22.7	19.0	17.3	---	---	23.2	21.2	24.4	22.9
24	26.7	24.6	24.0	22.8	20.5	17.8	---	---	22.9	21.4	25.3	22.9
25	26.6	25.0	23.9	22.7	21.6	17.9	16.1	14.6	22.8	21.8	25.5	23.6
26	26.1	24.9	23.4	21.9	20.3	17.6	16.7	14.7	23.2	21.7	26.8	24.1
27	25.6	24.5	23.3	21.7	17.6	16.7	18.1	15.9	22.9	22.2	26.4	24.4
28	25.7	24.1	23.5	22.0	17.1	16.0	20.7	16.7	23.1	22.0	25.5	23.5
29	26.1	24.2	23.4	21.3	17.3	15.9	18.8	16.6	---	---	25.0	22.9
30	26.8	24.4	23.0	21.4	18.3	16.4	19.1	16.8	---	---	25.9	22.5
31	26.8	24.5	---	---	19.8	17.4	19.7	17.7	---	---	25.7	23.1
MONTH	29.5	24.1	26.4	20.3	24.5	15.2	23.9	14.6	23.2	15.9	26.8	17.2
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.9	23.8	25.8	24.6	28.3	26.9	30.5	28.2	31.8	29.8	32.0	29.2
2	25.3	22.9	27.4	24.9	27.0	26.4	30.6	28.9	32.0	29.7	32.8	29.6
3	22.9	20.8	27.0	25.2	27.1	26.0	31.3	29.5	31.9	29.4	30.8	29.5
4	24.4	20.3	26.5	25.1	26.5	25.8	31.6	29.9	32.8	29.5	29.7	28.5
5	24.6	21.4	25.6	24.9	27.6	26.0	32.3	30.0	31.5	29.3	29.0	27.8
6	23.7	22.0	25.7	24.2	29.0	26.4	32.2	30.2	32.3	29.3	28.3	27.3
7	24.1	22.4	25.8	23.5	28.9	26.9	32.3	30.4	32.7	29.8	28.6	27.1
8	24.7	23.1	26.4	23.0	29.2	27.6	32.0	30.3	32.0	29.6	28.0	27.1
9	25.1	22.9	26.9	23.9	29.2	28.0	30.6	29.4	31.6	29.8	28.7	27.0
10	25.8	23.0	27.6	24.4	28.3	27.1	29.4	28.4	31.8	29.7	29.3	27.3
11	26.2	22.5	27.1	24.8	27.4	26.7	30.9	28.3	32.5	30.1	30.0	28.0
12	25.2	23.1	27.6	24.6	28.2	26.8	30.9	28.6	32.3	29.9	30.0	27.9
13	24.9	23.1	27.1	24.4	30.0	27.3	31.8	29.6	32.8	30.6	30.2	28.3
14	24.3	22.3	27.2	24.6	30.6	27.6	31.6	30.0	33.7	30.5	30.2	28.2
15	23.2	21.6	26.6	24.9	31.4	28.4	---	---	32.4	29.7	30.8	28.4
16	22.1	21.0	27.5	24.9	31.5	28.4	30.9	29.5	33.1	30.4	31.3	28.8
17	21.6	19.9	28.1	25.2	31.3	28.0	31.4	29.5	33.8	31.0	31.0	29.1
18	22.6	20.3	28.0	25.9	31.4	29.0	31.6	29.7	33.8	31.0	31.7	29.4
19	23.8	21.0	28.0	26.0	32.4	28.5	32.0	29.8	33.6	31.0	30.3	28.9
20	23.6	21.5	28.8	25.8	30.0	27.1	31.9	29.6	33.1	31.0	29.2	28.0
21	25.3	22.1	29.5	26.5	30.1	26.6	31.9	29.6	33.9	31.1	28.3	27.5
22	25.7	22.8	29.5	26.9	29.4	26.7	32.5	29.6	34.2	31.1	27.9	27.1
23	25.1	23.1	29.9	27.2	30.3	26.7	32.2	30.3	32.8	30.7	28.2	27.0
24	24.6	23.1	29.4	27.4	29.0	27.0	32.5	30.3	32.2	30.6	29.3	26.9
25	24.5	21.7	28.5	26.7	29.9	27.7	32.2	29.7	31.0	28.6	29.3	26.8
26	25.2	22.2	27.4	26.1	30.2	28.0	32.3	29.9	29.4	27.8	29.4	27.3
27	25.1	23.7	29.3	26.1	30.4	28.1	32.5	30.0	29.7	28.2	30.2	27.8
28	25.8	23.4	29.6	27.0	30.0	28.4	32.3	30.4	29.7	28.6	30.1	27.8
29	25.8	23.2	29.6	27.6	29.4	28.6	31.8	30.4	30.1	28.7	30.9	28.2
30	25.8	23.9	30.1	27.9	29.7	28.3	32.1	30.5	30.9	28.9	29.3	28.5
31	---	---	29.1	27.8	---	---	31.9	30.2	31.4	29.0	---	---
MONTH	26.2	19.9	30.1	23.0	32.4	25.8	32.5	28.2	34.2	27.8	32.8	26.8
YEAR	34.2	14.6										

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	19.8	0.1	26.0	2.3	31.0	18.2	31.8	21.3	31.0	23.9	31.4	23.8
2	14.6	0.2	25.4	1.2	30.0	16.9	32.5	23.4	32.3	22.5	32.1	23.2
3	22.1	0.2	29.5	1.3	31.1	15.2	31.0	23.9	32.4	20.3	32.8	25.0
4	27.3	0.4	28.1	1.8	28.1	18.3	30.7	21.9	34.4	23.9	33.0	22.7
5	25.6	0.7	32.8	2.1	26.8	15.4	32.0	21.1	34.3	24.2	32.3	20.3
6	17.8	0.2	29.9	9.6	26.8	15.2	32.0	19.5	33.7	24.4	32.5	20.4
7	17.9	0.3	26.3	8.0	28.7	15.7	32.9	18.7	33.0	24.7	33.3	20.6
8	22.0	0.3	24.3	3.3	31.8	15.7	33.3	19.9	34.1	22.2	32.5	20.4
9	20.9	0.6	27.6	2.9	30.9	15.3	32.2	20.0	32.4	19.1	35.0	22.3
10	23.4	0.6	31.4	13.8	32.5	14.2	33.3	21.6	31.7	16.9	32.4	21.5
11	21.8	0.5	31.1	7.5	32.9	15.6	33.2	23.3	34.1	20.6	29.6	18.8
12	21.3	0.6	32.5	4.3	33.5	18.7	33.1	23.6	32.4	20.7	29.3	16.8
13	27.8	0.8	31.8	3.8	32.5	16.8	35.0	24.0	31.2	19.8	30.3	16.6
14	30.5	1.2	34.1	8.0	32.3	15.9	33.7	22.8	32.3	19.0	32.0	16.5
15	29.8	1.6	35.0	18.5	33.8	17.3	33.8	23.7	33.8	19.4	32.2	20.1
16	31.6	1.6	32.9	14.7	32.3	19.0	32.9	25.9	31.9	22.0	32.9	17.7
17	27.9	1.3	31.9	12.6	30.3	18.5	33.0	25.0	33.6	23.4	33.1	11.7
18	24.1	0.9	31.0	14.8	30.3	19.3	32.9	26.3	33.3	24.0	27.6	10.6
19	29.0	0.5	30.4	16.0	29.8	18.1	33.2	25.6	33.1	26.4	26.8	9.7
20	30.3	0.5	28.7	16.2	28.3	18.6	32.1	22.6	31.4	24.8	28.0	8.1
21	32.7	0.7	28.9	16.2	30.0	19.8	32.5	22.2	32.8	22.8	27.4	8.7
22	31.6	2.7	30.4	15.3	31.1	19.5	31.8	22.2	32.9	20.8	26.3	5.8
23	28.9	5.5	32.1	15.1	32.8	18.8	---	---	33.9	21.8	27.8	4.0
24	28.4	4.6	33.6	11.5	31.7	16.7	---	---	33.7	24.9	30.7	4.7
25	29.7	6.3	32.5	11.9	33.8	21.8	33.7	25.8	34.2	25.2	30.2	5.5
26	30.4	5.0	34.2	14.7	29.8	21.7	33.1	24.7	34.5	25.7	30.8	10.3
27	31.7	5.4	33.1	19.4	33.2	22.6	31.5	23.5	33.7	25.1	30.8	7.1
28	30.5	6.1	33.3	14.0	32.0	24.5	34.3	23.7	33.2	23.6	32.5	7.3
29	28.4	6.1	33.0	18.7	32.2	22.6	32.0	22.4	---	---	30.2	8.7
30	28.5	4.9	32.2	19.8	32.4	23.4	31.5	19.0	---	---	32.6	11.5
31	26.7	6.0	---	---	32.8	21.8	31.4	21.9	---	---	31.1	9.5
MONTH	32.7	0.1	35.0	1.2	33.8	14.2	35.0	18.7	34.5	16.9	35.0	4.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	31.4	9.8	34.5	14.2	25.5	13.6	29.7	0.7	29.4	0.4	31.7	13.7
2	33.4	10.5	33.4	15.7	21.4	9.3	30.7	0.9	29.7	0.8	30.5	13.6
3	33.2	11.8	33.4	22.8	19.2	5.3	24.1	0.9	28.4	1.1	30.6	14.0
4	32.7	15.8	31.6	20.1	18.5	2.8	25.9	0.7	27.8	3.6	30.9	13.9
5	30.3	16.3	33.4	16.4	19.9	1.0	28.2	0.5	28.9	4.0	28.3	11.2
6	33.0	16.1	34.1	19.0	18.7	0.7	29.2	0.7	30.9	6.2	28.1	9.6
7	33.7	11.8	33.6	20.9	14.0	0.4	27.9	0.6	29.6	6.8	28.9	6.5
8	33.7	9.1	32.9	16.5	16.3	0.6	29.9	0.7	26.8	5.3	31.8	7.8
9	31.1	9.1	31.3	14.6	27.1	0.5	25.2	0.3	26.7	3.2	31.9	7.3
10	31.7	13.8	30.7	15.0	24.9	0.4	18.0	0.2	27.2	3.8	32.2	9.9
11	32.7	15.1	30.3	13.6	27.8	0.3	11.6	0.3	28.4	2.0	32.1	10.8
12	31.0	12.2	32.1	16.5	25.3	0.5	17.5	0.6	28.0	3.5	33.4	11.9
13	33.4	12.7	31.4	21.4	30.1	2.1	27.1	0.7	31.6	2.4	32.6	12.4
14	32.9	14.5	30.2	20.4	27.0	6.0	25.5	0.7	29.4	3.6	33.2	14.6
15	33.6	18.0	30.6	19.5	26.0	8.9	---	---	28.9	4.5	33.0	15.4
16	32.6	21.5	30.6	20.8	28.0	6.4	26.9	0.4	30.7	3.2	30.2	19.4
17	29.7	18.9	29.9	21.7	29.6	5.3	26.5	0.5	29.6	4.7	30.0	13.3
18	26.1	17.5	31.2	23.3	29.6	4.4	25.5	0.4	28.9	2.6	30.9	12.4
19	26.4	17.5	31.8	19.8	32.3	5.6	27.7	0.4	30.2	3.0	30.6	14.6
20	27.8	16.9	32.2	21.3	31.9	5.5	28.2	0.6	30.2	4.0	32.6	17.1
21	29.3	16.5	31.8	17.2	31.9	8.9	28.2	0.5	29.1	3.4	29.1	9.1
22	30.0	16.3	34.4	18.1	31.1	9.0	27.1	1.4	28.4	3.7	29.9	8.8
23	32.5	15.2	34.4	18.8	31.2	9.6	29.9	1.4	29.2	2.8	28.4	8.2
24	33.3	17.8	33.6	15.2	31.1	5.8	31.9	2.5	30.2	5.3	29.3	8.8
25	33.6	21.8	33.8	18.8	28.0	2.6	30.8	3.7	32.2	13.0	29.5	14.5
26	33.2	18.5	32.4	19.8	29.8	3.3	25.9	3.4	27.1	4.0	28.9	14.2
27	34.8	15.2	32.5	19.3	26.5	1.7	23.7	1.2	30.2	5.2	28.9	15.2
28	33.5	18.2	29.8	15.8	19.6	0.8	29.4	0.6	28.8	2.6	27.3	12.7
29	33.2	15.2	30.0	18.1	21.4	0.6	27.5	0.6	28.5	1.6	28.0	10.3
30	33.6	13.0	29.2	15.8	28.4	0.6	26.1	0.6	29.2	2.7	27.6	6.2
31	---	---	27.5	14.3	---	---	28.3	0.6	31.9	6.0	---	---
MONTH	34.8	9.1	34.5	13.6	32.3	0.3	31.9	0.2	32.2	0.4	33.4	6.2
YEAR	35.0	0.1										

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.0	27.3	26.0	24.9	23.3	22.2	20.5	18.4	19.6	18.6	22.4	20.9
2	29.0	27.5	25.9	24.7	23.9	22.2	20.9	19.1	19.8	18.9	21.2	19.6
3	28.7	27.1	26.5	24.9	23.8	22.0	20.8	19.5	19.9	19.1	20.4	18.6
4	28.8	27.6	26.8	25.0	23.2	21.3	21.2	19.9	19.8	18.3	19.4	18.3
5	29.0	27.9	26.5	25.1	22.4	20.9	21.6	20.4	18.3	16.6	19.6	18.1
6	28.6	27.7	26.2	24.7	22.9	21.8	22.2	21.1	17.5	16.3	20.1	18.7
7	27.9	26.1	25.5	23.7	23.4	22.2	22.8	21.4	18.2	17.0	20.8	19.5
8	27.0	25.5	25.0	23.3	23.9	22.4	23.4	22.0	20.6	17.7	20.6	20.0
9	26.9	25.6	24.6	23.0	24.6	23.3	23.8	22.2	20.9	18.9	20.9	18.8
10	27.3	26.0	24.2	23.1	24.4	23.6	23.8	22.2	21.3	19.3	19.1	17.7
11	26.9	26.5	23.4	22.2	24.0	22.3	23.6	22.3	21.1	17.9	19.2	17.8
12	26.6	26.1	24.2	22.3	22.9	19.9	23.5	22.2	19.3	16.8	19.9	18.2
13	27.3	26.0	24.9	22.5	20.7	19.0	23.5	22.2	18.6	17.0	20.7	18.4
14	27.4	26.1	25.8	23.5	20.8	19.0	23.4	22.2	19.0	17.8	21.8	19.5
15	27.4	26.4	25.0	22.5	20.8	16.5	22.9	22.0	20.2	18.8	22.4	21.1
16	27.2	24.7	23.9	21.1	19.1	16.4	22.5	20.3	21.3	19.8	23.6	22.0
17	26.7	24.5	23.2	21.1	18.7	17.1	20.5	18.1	22.1	20.6	23.4	21.9
18	26.1	24.5	23.4	21.3	19.8	17.7	18.4	17.1	22.3	21.1	22.5	21.6
19	26.2	25.2	23.7	21.8	19.4	17.9	17.8	16.6	21.6	20.3	21.8	21.0
20	26.0	24.9	23.8	22.1	18.2	16.4	17.6	16.3	21.1	19.9	21.9	20.9
21	26.1	25.3	23.8	22.3	17.0	15.6	17.7	16.5	21.8	20.2	22.1	21.4
22	26.4	25.5	24.6	22.8	17.7	16.4	18.8	17.1	22.4	20.7	23.4	21.8
23	26.2	25.7	24.5	23.3	20.0	17.4	---	---	23.2	21.4	24.3	22.9
24	26.2	25.2	24.4	23.4	21.2	18.1	---	---	23.1	22.0	24.6	22.3
25	26.3	25.2	24.4	23.4	22.5	18.8	16.2	14.7	23.1	22.2	25.6	23.2
26	26.0	25.1	24.3	22.3	21.1	18.0	16.6	15.0	23.0	22.1	25.9	23.4
27	25.7	24.8	23.7	22.3	18.2	16.8	18.0	16.0	23.0	22.2	26.3	24.0
28	25.6	24.4	24.0	22.2	17.6	16.6	21.3	17.0	23.0	22.1	25.3	23.4
29	25.6	24.5	23.7	22.2	17.2	16.3	19.4	16.9	---	---	24.6	22.3
30	25.7	24.6	23.4	22.1	18.9	16.9	19.6	17.7	---	---	24.5	22.2
31	25.8	24.8	---	---	20.3	17.5	20.3	18.4	---	---	25.6	22.8
MONTH	29.0	24.4	26.8	21.1	24.6	15.6	23.8	14.7	23.2	16.3	26.3	17.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.8	23.0	25.5	24.5	28.2	26.6	30.4	27.7	31.7	28.3	30.4	28.5
2	25.3	22.8	26.2	24.9	27.3	26.2	30.6	28.0	31.0	28.9	30.9	29.5
3	23.1	21.1	26.3	25.1	27.0	26.2	31.3	28.1	31.7	28.9	30.3	29.7
4	22.3	20.6	26.3	25.4	26.6	26.0	31.6	28.3	31.6	29.0	29.9	28.7
5	23.6	21.5	25.8	24.8	27.7	26.1	32.0	28.1	30.7	28.9	29.2	28.1
6	23.9	21.8	25.3	24.1	28.4	26.4	32.2	28.0	31.3	29.1	28.5	27.5
7	24.3	22.4	25.1	23.6	28.6	26.8	32.3	28.0	30.9	29.6	28.4	27.1
8	24.7	23.1	25.8	23.8	29.2	26.7	31.9	27.6	30.7	29.7	28.4	27.3
9	24.6	23.1	25.8	24.0	29.1	27.0	30.4	28.8	31.0	29.9	28.4	27.1
10	24.8	23.1	26.3	24.5	28.3	27.1	29.4	28.4	31.1	29.7	28.8	27.6
11	24.6	23.3	26.8	24.9	27.4	26.6	30.2	28.0	30.9	29.7	29.2	28.4
12	24.9	23.5	26.2	25.1	28.3	26.9	30.8	27.7	31.1	29.7	29.4	28.6
13	24.5	23.6	26.2	25.2	28.9	25.7	31.1	27.5	31.8	29.2	29.7	29.0
14	24.0	22.6	26.6	25.2	28.5	26.5	31.2	28.0	31.8	29.6	29.8	28.7
15	23.3	22.1	26.0	25.2	29.3	26.9	---	---	32.1	30.1	30.0	28.5
16	22.1	21.4	26.3	25.3	30.3	27.0	30.7	27.5	32.4	30.2	30.6	28.8
17	21.6	20.6	27.3	25.7	31.1	27.5	31.2	28.3	33.5	30.6	30.6	29.0
18	22.0	20.6	27.6	26.3	31.0	28.1	31.3	28.7	33.6	30.8	30.8	29.2
19	22.5	21.2	27.6	26.2	31.6	27.0	31.9	28.5	33.2	30.5	30.2	29.1
20	22.9	21.9	27.7	26.1	29.6	26.0	31.7	27.4	32.6	30.4	29.3	28.2
21	23.9	22.1	28.5	26.7	29.3	26.0	31.7	27.4	32.8	30.5	28.6	27.5
22	24.8	22.8	28.7	26.9	28.9	26.1	32.1	28.1	32.1	30.5	27.9	27.2
23	25.0	23.6	29.2	26.9	29.0	26.2	32.2	29.4	31.9	30.6	27.9	27.0
24	24.5	23.3	29.1	27.1	28.5	27.0	31.0	29.2	31.6	30.6	28.6	27.2
25	24.1	22.2	28.0	26.5	29.3	27.6	30.9	29.1	31.0	28.8	28.6	27.9
26	25.1	22.2	27.2	26.4	29.2	28.2	31.5	29.4	29.0	27.9	29.0	28.1
27	25.1	23.8	28.1	26.1	29.1	28.1	31.8	30.0	29.4	28.6	28.8	28.5
28	25.7	23.8	29.5	27.2	29.8	28.2	31.8	29.3	29.4	28.9	29.0	28.5
29	25.7	24.2	29.4	27.3	29.4	28.1	31.6	28.1	30.1	29.0	29.5	28.5
30	25.8	24.4	29.6	27.5	29.7	27.2	32.0	28.5	31.0	28.7	29.2	28.7
31	---	---	29.1	27.2	---	---	31.9	28.6	30.6	28.5	---	---
MONTH	25.8	20.6	29.6	23.6	31.6	25.7	32.3	27.4	33.6	27.9	30.9	27.0
YEAR	33.6	14.7										

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

LOCATION.--Lat 27 00'57", long 80 09'10", in SE ¼ SE ¼ SE ¼ sec.5, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in Jonathan Dickinson State Park, near left bank on foot bridge, 1.75 mi upstream from mouth, 2.1 mi south of State Road 707, and 3.25 mi southwest of Hobe Sound.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1979 to March 1982, October 1984 to current year.

GAGE.--Electronic data logger and collector tube rain gage recorder. Rainfall data is available in the files of the U.S. Geological Survey. Elevation of gage is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair, except estimated records, which are poor. Extreme stages may be incorrect due to the large amount of missing gage height record.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 20 complete water years of discharge (1981, 1985-88, 1990, 1992-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.68 ft Oct. 16, 1999; minimum, 1.06 ft May 18, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height 7.10 ft Oct. 1; minimum 1.85 ft Feb. 24.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.72	2.45	---	2.34	2.27	3.46	2.32	2.24	5.90	---	---
2	6.56	3.64	---	---	2.30	2.22	3.46	2.32	2.75	5.83	---	---
3	6.39	3.56	---	---	2.29	2.19	3.55	2.34	3.45	5.86	---	---
4	6.29	3.47	---	---	2.27	2.63	3.47	2.45	3.93	5.96	---	---
5	6.20	3.39	---	---	2.24	2.66	3.38	2.80	4.01	5.77	---	---
6	6.12	3.31	---	---	2.21	2.60	3.27	2.85	4.00	5.64	---	---
7	6.07	3.22	---	---	2.18	2.51	3.16	2.79	4.55	5.52	---	---
8	6.02	3.14	---	---	2.14	2.44	3.66	2.68	4.43	5.41	---	---
9	5.95	3.07	---	---	2.11	2.71	3.85	2.57	4.08	5.32	---	---
10	5.87	3.05	---	---	2.10	3.68	3.77	2.48	3.83	5.27	---	---
11	5.83	2.98	---	---	2.06	3.77	3.64	2.40	4.36	5.17	---	---
12	5.77	2.91	---	---	2.04	3.70	3.51	2.33	4.62	5.07	---	---
13	5.69	2.86	---	---	2.01	3.61	3.40	2.27	4.41	4.96	---	---
14	5.60	3.04	---	---	2.00	3.51	3.30	2.22	4.18	4.84	---	---
15	5.49	3.13	---	---	1.98	3.40	3.18	2.23	3.95	4.73	---	---
16	5.36	3.03	---	---	1.96	3.29	3.07	2.22	3.79	4.62	---	---
17	5.22	2.95	---	---	1.95	3.40	2.97	2.17	4.89	4.50	---	---
18	5.08	2.90	---	---	1.94	4.33	2.90	2.13	4.69	4.38	---	---
19	4.96	2.85	---	---	1.91	4.45	2.82	2.07	4.46	4.27	---	---
20	4.88	2.80	---	---	1.89	4.36	2.73	2.03	4.43	4.16	---	---
21	4.92	2.75	---	---	1.87	4.25	2.68	1.99	4.41	4.06	---	---
22	4.85	2.73	---	---	1.87	4.29	2.63	1.98	4.53	4.02	---	---
23	4.77	2.66	---	---	1.87	4.25	2.57	1.96	4.58	3.90	---	---
24	4.73	2.62	---	---	1.87	4.15	2.50	1.93	4.76	3.80	---	---
25	4.61	2.60	---	---	2.02	4.06	2.44	1.93	5.07	4.03	---	---
26	4.50	2.56	---	---	2.10	4.02	2.38	2.04	5.07	4.19	---	---
27	4.36	2.53	---	---	2.22	3.96	2.44	2.04	5.07	---	---	---
28	4.20	2.58	---	---	2.32	3.90	2.49	2.01	5.13	---	---	---
29	4.06	2.53	---	2.45	---	3.85	2.44	1.95	5.46	---	---	---
30	3.95	2.48	---	2.44	---	3.72	2.38	1.92	5.94	---	---	---
31	3.83	---	---	2.39	---	3.59	---	2.01	---	---	---	---
TOTAL	---	89.06	---	---	58.06	107.77	91.50	69.43	131.07	---	---	---
MEAN	---	2.97	---	---	2.07	3.48	3.05	2.24	4.37	---	---	---
MAX	---	3.72	---	---	2.34	4.45	3.85	2.85	5.94	---	---	---
MIN	---	2.48	---	---	1.87	2.19	2.38	1.92	2.24	---	---	---

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e209	15	2.8	e2.0	2.5	2.1	12	2.4	2.1	97	e27	e55
2	162	14	e2.6	e2.0	2.3	1.9	12	2.4	5.4	93	e28	e69
3	139	13	e2.5	e1.9	2.2	1.8	13	2.5	12	95	e30	e184
4	127	12	e2.4	e1.8	2.1	4.2	12	3.2	20	100	e53	e164
5	117	11	e2.3	e1.7	2.0	4.4	11	5.5	21	89	e70	e224
6	107	9.8	e2.2	e1.6	1.8	3.9	9.7	5.9	21	82	e53	e237
7	103	8.8	e2.2	e1.5	1.7	3.5	8.6	5.4	35	76	e43	e144
8	98	7.9	e2.0	e1.4	1.6	3.0	15	4.6	32	71	e40	e101
9	91	7.2	e2.0	e1.4	1.4	5.1	18	3.9	23	67	e37	e85
10	84	7.1	e1.9	e1.3	1.4	15	16	3.4	18	64	e41	e74
11	81	6.5	e1.9	e1.2	1.2	16	15	2.9	32	60	e39	e67
12	76	5.9	e1.8	e1.1	1.2	15	13	2.5	38	56	e40	e62
13	70	5.5	e1.7	e0.99	1.1	14	11	2.2	31	51	e37	e57
14	63	7.1	e1.6	e0.99	1.0	13	10	1.9	26	46	e34	e53
15	58	7.8	e1.6	e2.7	0.97	11	8.8	2.0	21	42	e31	e51
16	52	7.0	e1.5	e2.6	0.92	9.8	7.7	1.9	18	39	e28	e47
17	47	6.3	e1.5	e2.5	0.89	11	6.8	1.7	48	35	e27	e45
18	43	5.8	e1.4	e2.5	0.84	28	6.2	1.5	40	31	e26	e43
19	40	5.5	e1.3	e2.4	0.76	31	5.6	1.3	33	28	e24	e41
20	39	5.1	e1.2	e2.3	0.70	28	5.0	1.2	33	25	e24	e41
21	47	4.6	e1.2	e2.2	0.66	25	4.6	1.0	32	23	e25	e41
22	44	4.5	e1.2	e2.2	0.66	26	4.3	1.0	35	22	e24	e55
23	41	4.0	e1.1	e2.1	0.67	25	3.9	0.94	37	20	e23	e72
24	40	3.8	e1.0	e2.1	0.65	23	3.4	0.85	44	18	e22	e64
25	36	3.6	e2.7	e2.0	1.1	21	3.1	0.87	56	22	e23	e59
26	33	3.4	e2.7	e1.9	1.4	21	2.7	1.2	56	26	e30	e55
27	29	3.2	e2.6	e1.8	1.9	19	3.1	1.2	56	e24	e33	e52
28	25	3.5	e2.5	e2.2	2.4	18	3.4	1.1	58	e24	e41	e51
29	22	3.2	e2.3	3.1	---	17	3.1	0.92	75	e27	e62	e49
30	19	2.9	e2.2	3.0	---	15	2.7	0.82	99	e26	e44	e47
31	17	---	e2.1	2.8	---	14	---	1.1	---	e26	e44	---
TOTAL	2,159	205.0	60.0	61.28	38.02	445.7	250.7	69.30	1,057.5	1,505	1,103	2,389
MEAN	69.6	6.83	1.94	1.98	1.36	14.4	8.36	2.24	35.2	48.5	35.6	79.6
MAX	209	15	2.8	3.1	2.5	31	18	5.9	99	100	70	237
MIN	17	2.9	1.0	0.99	0.65	1.8	2.7	0.82	2.1	18	22	41
AC-FT	4,280	407	119	122	75	884	497	137	2,100	2,990	2,190	4,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	44.1	24.1	12.2	8.62	7.92	10.1	5.86	3.78	8.38	15.5	24.5	33.1
MAX	233	124	69.5	43.7	52.8	50.1	29.0	16.8	41.9	51.8	104	89.9
(WY)	(1996)	(1995)	(1995)	(1993)	(1993)	(1996)	(1997)	(1998)	(1997)	(2002)	(2001)	(2004)
MIN	0.78	0.88	0.29	0.55	0.54	0.31	0.13	0.08	0.15	0.13	0.25	1.08
(WY)	(1989)	(1989)	(1982)	(1982)	(2001)	(1985)	(1981)	(1981)	(1981)	(2004)	(1990)	(2000)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	5,402.19		9,343.50			
ANNUAL MEAN	14.8		25.6		17.9	
HIGHEST ANNUAL MEAN					39.9	1995
LOWEST ANNUAL MEAN					0.99	1990
HIGHEST DAILY MEAN	323	Sep 26	237	Sep 6	1,230	Oct 18, 1995
LOWEST DAILY MEAN	0.06	Jul 14	0.65	Feb 24	0.01	Jun 5, 1989
ANNUAL SEVEN-DAY MINIMUM	0.07	Jul 9	0.71	Feb 18	0.05	May 30, 1989
MAXIMUM PEAK FLOW					1,800	Oct 17, 1995
MAXIMUM PEAK STAGE					11.00	Oct 17, 1995
INSTANTANEOUS LOW FLOW					0.00	Jun 1, 1989
ANNUAL RUNOFF (AC-FT)	10,720		18,530		12,930	
10 PERCENT EXCEEDS	53		65		52	
50 PERCENT EXCEEDS	1.6		12		4.6	
90 PERCENT EXCEEDS	0.14		1.3		0.40	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

265929080091800 LOXAHATCHEE RIVER AT OUTLET OF KITCHINGS CREEK, FL

LOCATION.--Lat 26 59'29", long 80 09'18", in NE 1/4 NW 1/4 SW 1/4, sec.16, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, on the Loxahatchee River, Jupiter, Fl, 3.67 mi west of State Road 811 Alternate (A1A), 2.2 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--December 2002 to current year.

GAGE.--Electronic data logger. Datum of gage is arbitrary.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 4.65 ft Sept. 5, 2004; minimum, -1.67 ft Dec 12, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 3.46 ft Sept. 9; minimum, -1.67 ft Dec. 12.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: December 2002 to current year.
WATER TEMPERATURE: December 2002 to current year.

INSTRUMENTATION.--Water-quality monitor sensor.

REMARKS.--Salinity record rated excellent for the entire water year. Temperature record rated good for the entire water year.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 20.0 ppt Apr. 17, 2005; minimum recorded, 0.0 ppt Apr. 8, 2003, Sept. 26, 30, 2004, Oct. 1, 2004, July 4, 2005 and Sept. 6, 2005.
WATER TEMPERATURE: Maximum recorded, 33.3 C June 28, 2004; minimum recorded, 12.8 C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 20.0 ppt Apr. 17; minimum recorded, 0.0 ppt Oct. 1, July 4, Sept. 6.
WATER TEMPERATURE: Maximum recorded, 32.7 C July 28; minimum recorded, 15.3 C Jan 26, Feb. 13.

265929080091800 LOXAHATCHEE RIVER AT OUTLET OF KITCHINGS CREEK, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.49	0.41	2.10	-0.33	1.76	-0.66	1.56	-0.71	2.21	0.01	1.63	-0.79
2	2.28	0.14	1.99	-0.39	1.74	-0.64	1.53	-0.58	2.33	-0.15	1.75	-0.78
3	2.19	0.01	1.83	-0.43	1.71	-0.57	1.37	-0.84	2.33	0.04	1.74	-0.69
4	2.20	0.13	1.88	-0.29	1.78	-0.33	1.34	-0.96	2.61	0.39	1.89	-0.85
5	2.02	0.11	1.82	-0.21	1.54	-0.63	1.56	-1.15	3.09	0.39	1.65	-1.21
6	1.89	0.14	2.23	0.25	1.41	-0.85	1.67	-1.11	3.26	0.33	1.57	-1.23
7	2.18	0.39	2.26	0.07	1.49	-0.95	1.74	-1.20	2.97	0.08	1.85	-1.05
8	2.42	0.47	2.02	-0.13	1.63	-1.03	1.87	-1.35	3.10	-0.06	1.87	-1.06
9	2.57	0.53	2.24	-0.33	1.60	-1.28	1.81	-1.51	2.79	-0.35	1.95	-1.18
10	2.57	0.33	2.73	0.12	1.68	-1.51	2.07	-1.48	2.47	-0.54	2.13	-0.94
11	2.42	0.13	2.89	0.03	1.76	-1.57	2.29	-1.28	2.34	-0.54	1.98	-0.95
12	2.61	0.04	2.93	-0.31	1.80	-1.67	2.20	-1.16	2.37	-0.23	1.69	-1.19
13	2.72	0.09	2.73	-0.63	1.72	-1.61	2.29	-0.90	2.38	-0.31	1.69	-1.11
14	2.81	-0.12	2.86	-0.75	1.83	-1.52	1.76	-1.07	2.21	-0.57	1.61	-1.26
15	3.06	-0.11	3.11	-0.03	1.93	-1.40	1.98	-0.82	1.81	-0.88	1.45	-1.11
16	2.74	-0.44	2.87	-0.16	2.22	-0.73	2.06	-0.02	1.52	-0.66	1.48	-0.82
17	2.58	-0.61	2.61	-0.33	1.99	-0.81	2.24	-0.06	1.68	-0.67	1.53	-0.50
18	2.39	-0.63	2.43	-0.26	2.01	-0.55	2.24	-0.09	1.58	-0.55	1.59	-0.29
19	2.16	-0.79	2.29	-0.29	1.93	-0.65	2.25	-0.27	1.74	-0.51	1.90	-0.21
20	2.03	-0.85	2.17	-0.36	1.74	-0.72	2.05	-0.27	1.54	-0.75	1.87	-0.30
21	2.28	-0.60	2.01	-0.47	1.86	-0.72	2.18	-0.38	1.47	-0.93	1.84	-0.35
22	2.77	-0.03	2.18	-0.53	1.89	-0.81	1.91	-0.63	1.31	-1.15	1.97	-0.31
23	2.94	0.38	2.25	-0.45	1.92	-0.69	1.83	-0.78	1.40	-1.21	1.73	-0.62
24	3.06	0.52	2.47	-0.50	1.85	-1.05	2.11	-0.55	1.68	-0.93	1.67	-0.79
25	3.13	0.68	2.18	-0.64	2.15	-0.92	2.27	-0.32	1.76	-0.96	1.89	-0.72
26	3.12	0.49	2.08	-1.03	2.00	-0.58	2.32	-0.31	2.06	-0.53	2.09	-0.61
27	3.17	0.38	2.39	-0.57	2.13	-0.57	2.07	-0.55	2.11	-0.27	2.18	-0.57
28	3.00	0.18	2.05	-0.65	2.29	-0.30	2.37	-0.31	2.13	-0.72	2.10	-0.81
29	2.92	0.05	2.02	-0.74	2.05	-0.39	2.28	-0.07	---	---	2.10	-0.82
30	2.73	-0.07	2.09	-0.61	2.04	-0.55	2.23	0.03	---	---	2.09	-0.94
31	2.48	-0.16	---	---	1.85	-0.47	2.18	-0.07	---	---	1.87	-1.01
MONTH	3.17	-0.85	3.11	-1.03	2.29	-1.67	2.37	-1.51	3.26	-1.21	2.18	-1.26
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.63	-0.96	1.70	-0.97	2.05	-0.64	2.07	-0.22	1.73	-0.89	2.02	-0.47
2	1.74	-1.10	1.77	-0.91	2.08	-0.69	2.04	-0.43	1.85	-0.79	2.17	-0.35
3	1.55	-0.73	2.05	-0.65	2.00	-0.60	1.68	-0.67	2.07	-0.57	2.65	0.08
4	1.81	-0.89	2.02	-0.58	2.09	-0.65	1.62	-0.77	1.97	-0.60	2.69	0.50
5	1.94	-0.85	2.05	-0.72	2.03	-0.85	1.82	-0.81	2.08	-0.35	2.49	0.55
6	2.08	-0.71	2.33	-0.67	2.12	-0.83	1.86	-0.72	2.03	-0.43	2.77	0.77
7	2.09	-0.72	2.55	-0.45	1.99	-0.67	1.82	-0.75	2.07	-0.24	2.95	0.97
8	2.20	-0.83	2.35	-0.55	2.13	-0.55	1.87	-0.61	2.12	-0.19	3.20	0.88
9	2.20	-0.88	2.25	-0.87	2.15	-0.48	1.91	-0.50	2.11	-0.26	3.46	1.04
10	2.20	-0.79	2.09	-0.83	2.03	-0.43	1.73	-0.59	1.99	-0.31	3.26	0.89
11	2.29	-0.60	1.89	-0.89	1.98	-0.35	1.45	-0.53	1.85	-0.44	3.12	0.66
12	2.31	-0.52	1.79	-0.79	1.80	-0.39	1.49	-0.47	1.82	-0.51	3.03	0.54
13	2.11	-0.71	1.77	-0.52	1.57	-0.31	1.55	-0.54	1.88	-0.64	2.95	0.23
14	1.89	-0.32	1.80	-0.46	1.68	-0.35	1.61	-0.68	2.05	-0.68	3.25	0.15
15	1.99	0.15	1.76	-0.32	1.61	-0.53	1.61	-0.72	1.97	-0.87	3.36	0.17
16	2.21	0.58	1.75	-0.18	1.69	-0.67	1.65	-0.86	2.10	-0.89	3.13	0.10
17	2.37	0.65	1.67	-0.39	2.01	-0.60	1.80	-1.01	2.21	-1.01	2.91	-0.19
18	2.21	0.26	1.59	-0.50	2.05	-0.69	1.89	-1.07	2.24	-0.97	2.88	-0.07
19	1.99	0.12	1.82	-0.55	2.21	-0.97	1.89	-1.19	2.33	-0.96	2.95	-0.03
20	1.93	-0.17	2.19	-0.51	2.28	-0.96	2.15	-1.18	2.29	-0.87	3.36	0.36
21	1.93	-0.44	2.30	-0.67	2.57	-0.82	2.29	-1.09	2.29	-0.69	2.70	-0.21
22	2.12	-0.57	2.59	-0.66	2.60	-0.79	2.27	-1.01	2.33	-0.60	2.57	-0.11
23	2.09	-0.76	2.68	-0.55	2.57	-0.83	2.29	-1.13	2.22	-0.69	2.39	-0.05
24	2.20	-0.87	2.61	-0.82	2.62	-0.65	---	---	2.17	-0.64	2.36	-0.09
25	2.17	-0.87	2.59	-0.79	2.66	-0.49	2.22	-0.55	2.78	-0.24	2.36	0.15
26	2.17	-0.92	2.63	-0.53	2.45	-0.42	2.21	-0.55	2.29	-0.21	2.36	0.22
27	2.02	-1.29	2.65	-0.67	2.41	-0.47	1.93	-0.78	2.43	-0.16	2.45	0.30
28	1.79	-1.06	2.38	-0.71	1.99	-0.49	1.63	-0.99	2.03	-0.21	2.53	0.27
29	1.97	-0.91	2.20	-0.58	1.82	-0.65	1.53	-1.03	2.01	-0.39	2.51	0.23
30	1.90	-1.02	2.20	-0.43	2.06	-0.25	1.53	-0.97	1.99	-0.36	2.65	0.30
31	---	---	2.13	-0.46	---	---	1.51	-0.98	2.01	-0.44	---	---
MONTH	2.37	-1.29	2.68	-0.97	2.66	-0.97	2.29	-1.19	2.78	-1.01	3.46	-0.47
YEAR	3.46	-1.67										

265929080091800 LOXAHATCHEE RIVER AT OUTLET OF KITCHINGS CREEK, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.1	0.0	0.2	0.2	1.0	0.3	0.7	0.3	10.9	1.3	6.1	0.7
2	0.1	0.1	0.2	0.2	1.4	0.3	0.6	0.3	13.3	1.5	7.6	0.8
3	0.1	0.1	0.2	0.2	2.5	0.3	0.5	0.3	13.4	1.9	9.2	1.0
4	0.1	0.1	0.2	0.2	3.3	0.3	0.6	0.3	15.2	2.8	9.1	0.8
5	0.1	0.1	0.2	0.2	2.1	0.4	1.1	0.3	18.6	2.7	5.2	0.6
6	0.1	0.1	0.3	0.2	2.2	0.4	1.7	0.4	19.4	2.9	5.2	0.6
7	0.1	0.1	2.6	0.2	2.2	0.3	2.2	0.3	17.1	2.6	7.7	0.6
8	0.1	0.1	1.5	0.2	2.9	0.3	3.9	0.3	17.6	2.1	7.5	0.6
9	0.1	0.1	2.4	0.2	2.3	0.3	4.3	0.4	16.4	1.9	8.1	0.5
10	0.1	0.1	5.3	0.2	2.0	0.3	7.2	0.4	13.8	1.5	1.9	0.3
11	0.1	0.1	4.5	0.2	2.3	0.3	9.7	0.4	13.4	1.4	0.8	0.3
12	0.1	0.1	4.0	0.2	3.9	0.3	8.5	0.5	13.6	1.7	0.4	0.2
13	0.2	0.1	2.7	0.3	4.4	0.3	7.8	0.4	14.0	1.6	0.5	0.2
14	0.2	0.1	4.5	0.3	5.4	0.3	4.4	0.4	12.7	1.3	0.6	0.2
15	0.2	0.1	5.7	0.2	7.4	0.3	3.7	0.3	9.5	1.1	0.5	0.2
16	0.2	0.1	3.8	0.2	10.6	0.4	4.2	0.3	7.3	0.9	0.5	0.2
17	0.2	0.1	2.6	0.2	7.6	0.4	7.6	0.6	9.4	1.1	0.6	0.3
18	0.2	0.1	2.2	0.2	7.0	0.4	12.9	0.8	10.5	1.2	0.3	0.1
19	0.2	0.1	2.2	0.2	6.9	0.5	13.1	1.0	15.6	1.4	0.3	0.1
20	0.2	0.2	1.3	0.3	6.0	0.5	11.7	1.0	9.6	1.8	0.3	0.2
21	0.2	0.2	0.8	0.3	8.3	0.5	12.0	1.0	8.8	1.8	0.3	0.2
22	0.2	0.2	1.2	0.3	6.7	0.5	9.8	1.0	8.1	1.6	0.3	0.2
23	0.2	0.2	1.7	0.3	5.4	0.4	8.6	0.9	8.7	1.5	0.3	0.2
24	0.3	0.2	2.9	0.3	4.9	0.3	14.0	0.9	10.5	1.8	0.3	0.2
25	0.3	0.2	1.0	0.3	6.2	0.3	14.6	1.4	9.9	1.8	0.3	0.2
26	0.4	0.2	1.1	0.3	5.9	0.3	14.4	1.6	11.0	1.2	0.3	0.2
27	0.7	0.2	4.7	0.3	8.2	0.3	11.6	1.2	10.8	1.0	0.2	0.2
28	0.5	0.2	2.0	0.3	8.9	0.4	14.6	1.5	9.8	0.7	0.2	0.2
29	0.4	0.2	1.7	0.3	6.2	0.4	11.3	1.4	---	---	0.3	0.2
30	0.2	0.2	2.9	0.3	5.6	0.4	10.4	1.3	---	---	0.3	0.2
31	0.2	0.2	---	---	2.0	0.3	9.8	1.1	---	---	0.3	0.2
MONTH	0.7	0.0	5.7	0.2	10.6	0.3	14.6	0.3	19.4	0.7	9.2	0.1
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	0.3	0.2	3.9	0.4	3.3	0.3	0.1	0.1	0.2	0.1	0.2	0.1
2	0.3	0.2	4.5	0.4	0.7	0.2	0.1	0.1	0.2	0.1	0.2	0.1
3	0.3	0.2	7.0	0.4	0.3	0.2	0.1	0.1	0.2	0.1	0.2	0.1
4	0.3	0.2	6.3	0.4	0.2	0.2	0.1	0.0	0.2	0.1	0.1	0.1
5	0.4	0.2	2.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
6	0.4	0.3	1.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
7	0.3	0.3	1.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
8	0.3	0.2	0.6	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
9	0.3	0.2	0.4	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
10	0.4	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
11	0.5	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
12	0.8	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
13	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
14	0.3	0.2	0.4	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
15	0.9	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.3	0.1
16	12.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1
17	20.0	1.2	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
18	16.8	1.2	0.4	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1
19	6.1	1.1	0.9	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.1
20	4.7	0.7	4.5	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.9	0.1
21	4.6	0.5	6.4	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
22	6.0	0.4	9.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
23	6.4	0.4	10.4	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1
24	8.6	0.4	9.4	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
25	8.2	0.4	10.4	0.3	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.1
26	8.6	0.4	10.6	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
27	6.8	0.4	10.6	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
28	5.0	0.3	7.2	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1
29	6.1	0.4	6.5	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1
30	5.5	0.4	5.7	0.3	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1
31	---	---	5.5	0.3	---	---	0.2	0.2	0.2	0.1	---	---
MONTH	20.0	0.2	10.6	0.2	3.3	0.1	0.2	0.0	0.3	0.1	0.9	0.0
YEAR	20.0	0.0										

265929080091800 LOXAHATCHEE RIVER AT OUTLET OF KITCHINGS CREEK, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.3	26.4	25.8	24.9	23.3	22.0	20.5	19.4	19.4	17.9	22.7	21.2
2	28.5	27.4	26.0	25.1	23.2	22.4	20.7	19.7	20.5	18.3	21.9	19.8
3	28.5	27.0	26.4	24.9	22.8	21.6	21.0	19.9	20.1	18.9	21.1	17.9
4	28.8	27.0	26.3	24.8	22.3	20.5	21.5	20.3	20.2	18.5	19.7	17.0
5	28.8	27.2	25.6	24.6	21.8	20.1	22.1	20.6	19.3	17.7	20.6	17.3
6	28.5	27.2	24.7	23.5	22.3	20.4	22.2	21.0	18.9	17.5	20.5	18.0
7	27.2	25.7	24.3	22.0	22.7	21.5	22.5	21.1	19.3	18.1	21.2	19.1
8	26.7	24.9	23.6	21.5	23.8	21.7	22.7	21.2	19.7	18.7	20.9	20.0
9	27.0	25.2	23.7	21.7	24.0	22.7	22.4	21.3	20.2	18.8	20.3	18.2
10	27.4	25.6	23.1	22.2	23.9	23.1	22.3	20.8	20.4	19.2	18.4	17.2
11	27.3	25.8	23.2	22.3	23.4	22.2	22.3	20.9	20.1	18.1	18.5	16.6
12	26.5	25.6	23.6	22.6	22.2	19.9	22.3	21.1	18.6	16.1	19.9	17.2
13	27.3	25.6	23.4	22.7	19.9	18.1	22.5	21.6	18.0	15.3	20.6	18.4
14	27.0	25.7	23.3	22.6	19.3	18.0	22.6	22.2	18.5	15.9	22.3	19.3
15	27.3	25.7	22.8	21.6	18.9	17.1	22.4	21.8	20.4	16.9	23.5	20.6
16	26.8	24.2	21.9	21.0	17.9	16.3	22.0	20.0	20.5	17.7	24.5	22.4
17	24.7	22.6	21.6	20.5	18.0	16.9	20.6	17.7	22.1	18.5	23.7	22.4
18	25.8	23.6	21.4	20.3	19.3	17.7	19.6	16.5	21.3	19.7	22.6	19.9
19	26.8	24.8	22.2	20.3	19.2	18.4	18.7	16.4	21.1	19.3	21.3	18.4
20	26.9	25.4	22.4	20.3	18.6	16.6	17.9	15.7	21.4	19.4	22.2	18.0
21	26.9	25.0	22.2	20.5	17.7	15.6	18.1	16.1	21.7	19.9	22.0	20.0
22	27.2	24.7	22.9	21.1	17.7	16.1	18.6	16.7	22.4	20.4	23.8	21.1
23	26.0	24.3	22.7	21.4	19.1	17.6	19.1	17.4	22.9	20.8	25.1	23.3
24	25.6	23.6	23.2	22.0	20.2	18.8	18.2	16.1	23.0	21.3	24.6	23.4
25	25.3	23.8	23.8	22.7	20.4	19.4	17.6	15.7	22.5	21.7	25.4	23.6
26	25.1	23.8	23.0	21.8	20.1	18.8	17.4	15.3	22.6	21.5	26.1	24.3
27	25.0	23.6	22.1	21.2	19.0	17.6	17.8	15.9	22.6	21.8	26.9	24.9
28	24.5	23.6	23.1	21.9	18.0	16.8	17.9	17.2	23.0	21.9	26.6	25.6
29	25.0	23.4	22.6	22.1	18.1	16.8	18.8	17.2	---	---	25.6	23.2
30	24.9	23.8	22.3	21.7	19.1	17.5	19.1	17.7	---	---	24.8	22.2
31	25.3	23.8	---	---	20.0	18.6	19.6	18.0	---	---	26.3	23.0
MONTH	28.8	22.6	26.4	20.3	24.0	15.6	22.7	15.3	23.0	15.3	26.9	16.6
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.9	24.3	26.4	24.9	28.1	26.5	29.1	27.0	30.2	28.2	29.6	28.3
2	25.7	24.0	27.0	25.2	26.8	25.2	30.4	28.0	29.4	27.9	29.7	27.9
3	24.2	22.0	26.7	25.6	25.8	24.9	30.3	28.5	30.2	28.0	28.6	27.4
4	24.0	20.2	26.3	25.3	25.5	24.6	30.4	27.6	29.3	27.3	28.3	26.2
5	24.4	21.5	25.4	24.3	26.3	24.9	31.0	28.3	28.1	27.0	27.2	26.4
6	24.6	22.9	25.4	23.9	27.8	25.8	31.2	28.8	29.1	27.1	26.5	25.9
7	24.9	23.5	25.1	23.8	27.7	26.5	31.4	29.3	29.8	27.9	27.3	25.7
8	24.8	23.6	25.2	23.3	28.7	26.2	31.3	29.6	30.0	27.7	27.8	26.5
9	24.4	22.8	26.3	23.5	28.9	27.4	30.7	29.0	31.0	28.0	28.2	26.5
10	24.1	22.3	26.8	23.9	28.3	27.0	29.1	28.1	31.6	28.0	29.0	26.9
11	24.4	22.1	27.6	24.5	27.0	26.2	29.5	27.8	30.4	28.6	29.5	27.4
12	24.8	22.6	27.2	25.0	27.4	26.2	30.4	28.3	31.0	28.1	29.5	26.7
13	25.2	23.5	27.2	25.2	28.8	26.6	31.4	29.4	30.7	28.8	29.7	26.8
14	25.3	23.1	27.5	25.4	30.9	27.6	31.2	29.4	31.2	28.6	29.8	27.0
15	24.1	22.5	26.7	25.7	32.0	29.3	31.6	28.6	31.6	28.6	30.0	27.4
16	24.0	21.4	28.2	25.1	31.7	28.7	31.3	29.5	32.1	29.0	29.4	27.6
17	23.9	20.9	28.4	25.9	30.9	29.0	31.8	29.5	32.3	29.6	29.7	27.9
18	23.3	20.7	28.6	26.5	31.2	28.8	31.6	29.8	31.5	29.5	29.6	27.9
19	23.7	21.0	28.4	26.6	30.9	28.6	32.0	29.9	31.8	29.7	29.4	28.0
20	23.8	22.0	29.1	26.7	29.8	27.1	31.6	29.5	31.6	30.1	29.1	27.7
21	24.8	22.1	29.1	26.9	27.8	26.0	31.4	29.9	31.5	30.0	28.0	26.9
22	25.1	22.8	29.3	26.8	27.9	26.2	31.3	29.7	31.1	29.6	27.8	26.8
23	25.4	23.3	29.2	27.1	28.3	26.1	31.8	29.8	31.1	29.3	27.6	26.4
24	25.3	23.9	29.3	27.1	27.9	26.2	31.5	29.9	31.3	29.6	28.5	26.5
25	25.3	22.7	29.4	27.6	28.7	26.0	30.1	28.1	30.4	28.3	29.0	26.6
26	24.8	22.3	28.5	27.0	29.4	27.0	31.2	27.9	28.7	27.2	29.2	26.7
27	25.6	23.7	27.7	26.3	29.7	26.8	31.5	28.9	29.4	27.5	28.2	26.2
28	26.6	24.1	28.6	26.5	29.7	26.8	32.7	29.4	29.9	28.2	28.3	26.0
29	26.4	23.9	30.1	27.4	29.1	26.6	31.9	29.3	29.5	27.9	28.8	25.8
30	26.6	24.2	30.1	28.2	28.1	26.2	31.9	29.1	30.3	28.5	28.5	26.8
31	---	---	29.1	27.9	---	---	31.1	28.9	30.3	28.7	---	---
MONTH	26.9	20.2	30.1	23.3	32.0	24.6	32.7	27.0	32.3	27.0	30.0	25.7
YEAR	32.7	15.3										

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL

LOCATION.--Lat 26 59'12", long 80 08'29", in SW 1/4 SW 1/4 SW 1/4, sec.15, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in Tanah-Keeta Boy Scout Camp, 4.65 mi northwest of Jupiter, 5.26 mi northwest of the mouth of Loxahatchee River, 2.92 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929, survey levels from a benchmark provided by National Geodetic Survey.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 4.63 ft Sept. 5, 2004; minimum, -1.54 ft July 1, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 3.69 ft Sept. 9; minimum, -1.36 ft Dec. 12.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP): October 2002 to current year.
SALINITY (BOTTOM): June 2003 to current year.
WATER TEMPERATURE (TOP): October 2002 to current year.
WATER TEMPERATURE (BOTTOM): June 2003 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors. A second salinity and temperature sensor was installed in June 13, 2003.

REMARKS.--Salinity record (TOP) rated excellent. Salinity record (BOTTOM) rated excellent except for the following periods: June 25-28, July 21-26, rated good. Temperature record (TOP and BOTTOM) are rated excellent for the entire water year.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 27.6 ppt Apr. 5, 2004; minimum recorded, 0.1 ppt multiple days during the months of Sept. 2004, Oct. 2004, Dec. 2004, June 2005, July 2005, Aug. 2005, and Sept. 2005.
SALINITY (BOTTOM): Maximum recorded, 29.2 ppt Apr. 16, 2005; minimum recorded, 0.1 ppt multiple days during the months of Sept. 2004, Oct. 2004, June 2005, July 2005, Aug. 2005, and Sept. 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 34.1 C June 20, 2004; minimum recorded, 13.2 C Jan. 25, 2004.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.6 C June 28, July 1, 2, 2004; minimum recorded, 15.0 C Dec. 22, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 27.5 ppt Feb. 6; minimum recorded, 0.1 ppt multiple days during the months of Oct., Dec., June, July, Aug., and Sept.
SALINITY (BOTTOM): Maximum recorded, 29.2 ppt Apr. 16; minimum recorded, 0.1 ppt multiple days during the months of Oct., June, July, Aug., and Sept.
WATER TEMPERATURE (TOP): Maximum recorded, 33.5 C Aug. 17; minimum recorded, 16.1 C Jan. 24, 26.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.5 C Aug. 17; minimum recorded, 16.6 C Jan. 26.

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.71	0.28	2.33	-0.07	1.98	-0.38	1.77	-0.42	2.45	0.30	1.85	-0.51
2	2.50	0.12	2.22	-0.13	1.98	-0.36	1.74	-0.29	2.58	0.13	1.97	-0.48
3	2.42	0.07	2.06	-0.16	1.94	-0.28	1.57	-0.54	2.58	0.32	1.97	-0.42
4	2.43	0.28	2.11	-0.03	2.00	-0.06	1.55	-0.66	2.88	0.68	2.12	-0.56
5	2.24	0.30	2.07	0.06	1.74	-0.35	1.77	-0.85	3.35	0.71	1.88	-0.93
6	2.11	0.33	2.45	0.52	1.62	-0.58	1.89	-0.81	3.53	0.62	1.77	-0.93
7	2.41	0.59	2.48	0.33	1.69	-0.71	1.96	-0.90	3.23	0.37	2.07	-0.75
8	2.65	0.68	2.24	0.08	1.86	-0.73	2.11	-1.05	3.37	0.23	2.11	-0.76
9	2.81	0.75	2.45	-0.05	1.82	-0.98	2.03	-1.21	3.06	-0.06	2.17	-0.88
10	2.80	0.56	---	---	1.89	-1.21	2.30	-1.17	2.74	-0.24	2.35	-0.64
11	2.65	0.35	3.13	0.31	1.99	-1.27	2.53	-0.98	2.60	-0.24	2.20	-0.64
12	2.85	0.25	3.18	-0.02	2.02	-1.36	2.43	-0.85	2.63	0.05	1.90	-0.89
13	2.94	0.33	2.98	-0.34	1.93	-1.31	2.51	-0.61	2.64	-0.02	1.84	-0.80
14	3.04	0.11	3.11	-0.46	2.07	-1.22	1.98	-0.77	2.46	-0.28	1.83	-0.95
15	3.29	0.13	---	---	---	---	2.20	-0.53	2.04	-0.59	1.65	-0.80
16	2.97	-0.21	3.11	0.12	2.45	-0.43	2.29	0.27	1.74	-0.38	1.69	-0.52
17	2.80	-0.36	2.85	-0.07	2.22	-0.51	2.48	0.23	1.92	-0.38	1.75	-0.23
18	2.61	-0.39	2.66	0.00	2.24	-0.27	2.48	0.19	1.81	-0.23	1.82	-0.01
19	2.37	-0.55	2.52	-0.01	2.15	-0.36	2.50	0.02	1.98	-0.29	2.13	0.08
20	2.24	-0.61	2.39	-0.08	1.96	-0.43	2.29	-0.01	1.76	-0.47	2.10	-0.04
21	2.49	-0.36	2.23	-0.22	2.09	-0.47	2.43	-0.08	1.69	-0.64	2.08	-0.05
22	2.98	0.22	2.40	-0.25	2.11	-0.53	2.15	-0.32	1.52	-0.87	2.20	-0.02
23	3.16	0.63	2.48	-0.16	2.15	-0.40	2.07	-0.49	1.60	-0.91	1.98	-0.35
24	3.29	0.78	2.71	-0.22	2.08	-0.75	2.36	-0.26	1.92	-0.64	1.92	-0.52
25	3.37	0.93	2.41	-0.36	2.38	-0.62	2.53	-0.03	1.99	-0.66	2.14	-0.43
26	3.33	0.75	2.30	-0.74	2.24	-0.29	2.57	-0.02	2.30	-0.24	2.33	-0.32
27	3.40	0.66	2.61	-0.28	2.35	-0.29	2.32	-0.25	2.37	0.01	2.43	-0.28
28	3.23	0.43	2.27	-0.37	2.52	-0.01	2.62	-0.02	2.37	-0.43	2.35	-0.52
29	3.15	0.33	2.23	-0.45	2.27	-0.10	2.52	0.21	---	---	2.33	-0.52
30	2.96	0.20	2.30	-0.33	2.27	-0.27	2.49	0.31	---	---	2.33	-0.64
31	2.71	0.11	---	---	2.07	-0.19	2.43	0.21	---	---	2.10	-0.71
MONTH	3.40	-0.61	3.18	-0.74	2.52	-1.36	2.62	-1.21	3.53	-0.91	2.43	-0.95
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.88	-0.66	1.93	-0.66	2.29	-0.35	2.29	-0.23	1.97	-0.63	2.28	-0.22
2	1.99	-0.80	2.01	-0.51	2.30	-0.41	2.26	-0.35	2.09	-0.54	2.41	-0.09
3	1.78	-0.49	2.30	-0.34	2.23	-0.37	1.92	-0.53	2.31	-0.31	2.88	0.31
4	2.05	-0.59	2.26	-0.29	2.33	-0.42	1.86	-0.63	2.20	-0.39	2.90	0.63
5	2.17	-0.54	2.28	-0.43	2.26	-0.62	2.06	-0.62	2.34	-0.20	2.70	0.59
6	2.32	-0.41	2.57	-0.36	2.35	-0.58	2.10	-0.52	2.26	-0.22	3.00	0.75
7	2.35	-0.42	2.80	-0.15	2.22	-0.49	2.07	-0.51	2.36	0.01	3.18	1.01
8	2.45	-0.52	2.59	-0.25	2.37	-0.32	2.13	-0.36	2.36	0.06	3.45	0.98
9	2.45	-0.57	2.36	-0.55	2.37	-0.23	2.15	-0.26	2.35	0.00	3.69	1.20
10	2.52	-0.48	2.33	-0.53	2.26	-0.17	1.97	-0.40	2.23	-0.06	3.50	1.09
11	2.55	-0.29	2.12	-0.59	2.21	-0.14	1.69	-0.35	2.10	-0.19	3.35	0.89
12	2.56	-0.23	2.02	-0.48	2.03	-0.18	1.72	-0.28	2.06	-0.27	3.27	0.78
13	2.37	-0.40	2.00	-0.23	1.82	-0.09	1.78	-0.32	2.12	-0.41	3.19	0.48
14	2.13	-0.03	2.03	-0.16	1.93	-0.09	1.85	-0.43	2.29	-0.43	3.50	0.41
15	2.23	0.45	2.00	-0.02	1.85	-0.27	1.85	-0.49	2.21	-0.62	3.61	0.43
16	2.46	0.86	2.00	0.11	1.94	-0.39	1.88	-0.61	2.34	-0.64	3.38	0.36
17	2.64	0.93	1.92	-0.08	2.25	-0.34	2.04	-0.76	2.45	-0.74	3.17	0.07
18	2.47	0.51	1.82	-0.20	2.29	-0.43	2.12	-0.83	2.48	-0.71	3.13	0.20
19	2.25	0.41	2.06	-0.26	2.46	-0.71	2.12	-0.95	2.57	-0.69	3.21	0.24
20	2.18	0.12	2.45	-0.20	2.52	-0.69	2.39	-0.92	2.54	-0.59	3.62	0.64
21	2.18	-0.14	2.57	-0.35	2.82	-0.58	2.53	-0.83	2.54	-0.42	2.97	0.07
22	2.37	-0.27	2.85	-0.35	2.85	-0.53	2.54	-0.74	2.58	-0.31	2.80	0.12
23	2.34	-0.43	2.95	-0.24	2.85	-0.58	2.54	-0.86	2.48	-0.41	2.62	0.14
24	2.45	-0.55	2.89	-0.49	2.87	-0.44	2.34	-0.50	2.41	-0.36	2.59	0.12
25	2.41	-0.57	2.85	-0.48	2.89	-0.28	2.47	-0.29	3.01	0.04	2.62	0.40
26	2.40	-0.61	2.90	-0.23	2.68	-0.18	2.45	-0.28	2.53	0.05	2.60	0.47
27	2.26	-0.98	2.92	-0.36	2.65	-0.25	2.16	-0.50	2.68	0.10	2.71	0.55
28	2.02	-0.75	2.64	-0.41	2.24	-0.28	1.87	-0.72	2.29	0.06	2.76	0.53
29	2.21	-0.60	2.45	-0.28	2.05	-0.44	1.77	-0.75	2.25	-0.14	2.76	0.50
30	2.15	-0.71	2.45	-0.14	2.28	-0.27	1.77	-0.68	2.24	-0.11	2.87	0.56
31	---	---	2.38	-0.20	---	---	1.74	-0.72	2.25	-0.18	---	---
MONTH	2.64	-0.98	2.95	-0.66	2.89	-0.71	2.54	-0.95	3.01	-0.74	3.69	-0.22
YEAR	3.69	-1.36										

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.1	0.1	4.8	0.3	15.8	2.2	12.1	2.4	25.6	9.4	23.4	6.5
2	0.1	0.1	2.7	0.2	18.4	2.4	10.8	2.4	25.8	9.0	24.8	7.0
3	0.1	0.1	3.5	0.2	21.0	2.9	9.6	1.8	24.7	10.0	25.4	6.9
4	0.1	0.1	4.5	0.3	22.2	4.1	10.2	1.9	25.6	12.0	25.0	5.7
5	0.1	0.1	8.0	0.3	18.7	4.5	11.1	2.0	27.1	12.0	23.8	5.0
6	0.2	0.1	23.1	1.7	17.7	3.8	12.6	2.0	27.5	13.1	22.4	4.8
7	0.2	0.1	20.3	3.9	15.5	3.8	14.4	2.2	26.1	12.7	23.2	5.4
8	0.2	0.2	19.7	3.0	16.2	3.4	16.2	2.4	27.0	12.0	20.4	5.6
9	0.6	0.2	20.2	2.8	15.3	2.8	18.1	2.7	26.0	11.8	23.1	5.6
10	0.6	0.2	19.1	3.5	13.8	2.1	19.4	3.3	25.5	11.3	21.9	2.6
11	0.7	0.2	15.8	2.6	17.1	1.8	20.4	4.6	26.6	10.4	18.0	1.7
12	2.0	0.2	14.7	1.5	21.6	0.1	19.9	5.4	27.1	12.2	17.0	1.4
13	8.4	0.2	16.6	1.0	21.0	1.5	18.7	5.7	27.0	11.4	17.2	1.7
14	11.5	0.2	18.4	1.0	21.0	3.2	15.8	4.0	25.2	9.3	16.0	1.8
15	9.9	0.2	18.7	1.7	24.6	3.6	20.3	3.3	23.2	7.6	15.2	2.0
16	12.9	0.2	16.8	1.4	24.0	6.2	23.1	4.8	22.8	6.5	14.4	1.7
17	12.2	0.2	17.7	1.4	22.5	5.6	24.3	6.8	23.2	6.5	13.4	1.9
18	5.7	0.2	19.1	1.9	23.2	5.8	24.1	7.0	25.0	7.6	11.9	1.2
19	3.8	0.2	17.4	2.4	23.5	6.2	24.8	7.2	27.4	7.4	17.9	1.8
20	7.4	0.2	16.0	2.4	23.4	6.0	23.4	7.1	23.8	8.6	17.0	1.7
21	11.2	0.2	15.4	2.2	24.2	5.8	23.7	7.3	22.8	8.0	14.2	1.6
22	18.4	0.4	17.1	1.9	20.5	5.2	23.2	7.2	21.6	7.8	10.0	0.9
23	15.7	0.7	17.5	2.2	17.3	4.4	22.3	6.8	21.7	8.2	3.3	0.4
24	15.7	0.4	15.3	1.9	18.1	3.5	25.0	6.8	22.4	9.0	5.0	0.3
25	16.0	0.6	12.8	1.7	23.0	3.4	25.8	9.1	24.4	9.6	6.6	0.3
26	15.8	0.4	19.2	1.2	20.1	5.1	25.5	10.1	25.7	9.6	8.1	0.3
27	15.9	0.5	17.8	2.4	23.1	4.0	24.6	8.9	24.7	9.5	7.3	0.3
28	15.7	0.5	16.6	2.5	23.5	6.0	25.6	9.8	22.4	6.4	11.3	0.3
29	14.4	0.4	19.8	2.1	19.7	4.8	23.0	10.5	---	---	13.1	0.4
30	12.6	0.4	17.4	2.4	17.8	4.3	23.0	9.6	---	---	14.8	0.8
31	10.3	0.4	---	---	14.9	3.6	24.4	9.2	---	---	11.6	0.5
MONTH	18.4	0.1	23.1	0.2	24.6	0.1	25.8	1.8	27.5	6.4	25.4	0.3
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.9	0.3	16.1	3.8	17.9	3.5	0.1	0.1	4.6	0.2	5.8	0.2
2	6.0	0.5	18.6	3.8	15.2	1.6	0.1	0.1	7.3	0.2	5.0	0.2
3	13.1	0.6	23.1	5.3	6.4	0.3	0.2	0.1	8.2	0.2	5.4	0.1
4	16.1	1.0	20.6	5.8	1.7	0.2	0.2	0.1	2.6	0.2	1.9	0.1
5	17.1	1.3	17.4	3.1	1.6	0.2	0.2	0.1	0.4	0.1	0.1	0.1
6	12.3	1.3	20.9	1.6	1.2	0.2	0.5	0.1	0.6	0.1	0.1	0.1
7	8.6	0.8	18.9	1.4	0.7	0.2	0.5	0.2	1.7	0.2	0.1	0.1
8	11.1	0.4	14.7	0.8	1.0	0.2	0.5	0.2	3.4	0.2	1.4	0.1
9	15.8	0.5	13.5	0.9	1.0	0.2	0.4	0.2	3.6	0.2	8.3	0.1
10	17.6	0.9	13.0	1.1	0.6	0.2	0.2	0.2	3.1	0.2	8.6	0.1
11	18.5	1.2	13.5	1.3	0.3	0.2	0.2	0.1	2.0	0.2	9.2	0.1
12	15.4	1.0	13.5	1.5	0.2	0.2	0.2	0.1	1.7	0.2	11.9	0.2
13	11.2	0.8	14.1	1.6	0.2	0.2	0.2	0.1	2.4	0.2	12.2	0.2
14	15.0	1.4	13.7	1.4	0.2	0.2	0.3	0.1	5.0	0.2	13.8	0.2
15	24.5	3.3	11.1	1.5	0.3	0.2	0.3	0.2	5.5	0.2	12.2	0.2
16	26.1	5.9	12.1	1.9	1.2	0.2	0.4	0.2	5.3	0.2	11.6	0.2
17	26.3	7.9	11.0	1.6	3.3	0.2	1.3	0.2	7.1	0.2	11.9	0.3
18	25.8	7.9	11.7	1.7	4.2	0.2	1.8	0.2	7.5	0.2	11.8	0.3
19	21.5	7.3	15.6	2.1	8.4	0.2	2.6	0.2	10.5	0.3	13.1	0.3
20	18.9	5.7	16.7	3.0	8.9	0.2	5.6	0.2	11.5	0.3	13.4	0.4
21	19.1	5.3	19.4	3.7	11.3	0.2	8.1	0.2	11.9	0.3	7.2	0.3
22	20.3	4.9	23.1	4.4	11.1	0.2	11.8	0.3	12.4	0.4	2.6	0.2
23	21.8	4.7	21.2	4.9	11.1	0.2	12.8	0.3	10.9	0.3	0.4	0.1
24	23.7	4.7	23.6	4.2	9.5	0.2	12.9	0.3	10.3	0.3	0.3	0.1
25	23.6	5.2	23.5	4.8	8.3	0.2	13.6	0.2	18.0	0.5	0.9	0.2
26	22.3	4.8	24.1	5.2	2.1	0.2	10.0	0.2	6.1	0.2	1.0	0.2
27	20.3	3.8	22.8	4.3	1.6	0.2	7.0	0.2	2.2	0.2	3.7	0.2
28	20.8	3.9	20.2	4.0	0.6	0.2	4.8	0.2	0.6	0.2	4.8	0.2
29	22.5	4.1	19.7	4.4	0.2	0.2	3.4	0.2	0.8	0.2	6.0	0.2
30	18.9	3.6	20.4	5.1	0.2	0.1	4.3	0.2	1.9	0.2	8.3	0.2
31	---	---	21.4	4.7	---	---	2.5	0.2	5.4	0.2	---	---
MONTH	26.3	0.3	24.1	0.8	17.9	0.1	13.6	0.1	18.0	0.1	13.8	0.1
YEAR	27.5	0.1										

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.9	27.7	26.1	24.7	23.6	22.0	20.7	18.9	20.3	18.3	23.0	21.0
2	29.3	28.4	26.2	24.9	23.8	21.9	21.1	19.1	21.2	19.0	22.4	20.1
3	29.4	28.0	26.4	25.0	23.5	21.9	21.6	19.4	21.0	19.8	21.8	19.0
4	29.5	28.1	26.7	24.9	23.4	21.0	22.2	19.8	20.8	18.6	20.6	18.7
5	29.2	28.3	25.8	24.8	23.3	20.9	22.7	20.4	20.0	18.3	22.0	18.3
6	29.3	27.7	26.0	24.1	23.4	21.3	22.7	21.3	19.1	18.1	21.2	18.7
7	27.7	26.0	25.7	23.7	23.4	22.1	23.0	21.5	19.6	18.4	21.9	19.7
8	27.1	25.3	25.4	23.3	23.9	22.2	23.3	21.7	19.8	18.8	21.3	20.3
9	27.5	25.5	25.1	23.0	24.6	22.9	23.5	21.5	20.6	19.0	20.5	18.9
10	28.1	26.0	24.2	23.0	24.4	23.2	23.3	21.5	20.7	19.4	19.7	18.2
11	27.3	26.6	23.6	22.5	23.8	22.1	23.0	21.4	20.7	18.0	19.4	17.4
12	27.1	26.3	23.5	22.6	22.1	19.9	23.0	21.6	18.9	16.8	20.0	17.7
13	27.4	25.9	23.9	22.8	20.6	18.9	23.0	21.9	18.8	16.6	20.9	18.2
14	27.6	26.2	23.8	23.1	20.5	18.6	22.9	22.3	19.5	16.9	22.1	19.7
15	27.4	26.4	23.4	22.0	20.2	16.6	22.6	21.8	21.2	17.7	24.0	20.8
16	27.0	25.1	22.3	21.1	18.6	16.9	22.4	20.2	21.7	18.6	24.7	22.1
17	26.1	23.6	21.9	21.0	18.3	17.2	21.5	18.6	22.7	19.5	23.8	22.4
18	25.8	24.1	21.9	21.1	20.1	17.8	20.2	17.8	22.6	20.2	23.6	21.4
19	26.7	25.2	22.9	20.9	20.2	18.3	19.1	17.5	22.6	20.1	23.7	20.7
20	26.9	25.7	23.5	21.3	19.8	17.1	18.7	16.8	22.5	19.9	23.4	20.4
21	27.8	25.6	23.3	21.8	18.9	16.8	18.6	16.8	23.0	20.7	22.6	21.1
22	27.7	26.0	23.9	21.9	18.5	17.2	19.4	17.4	23.0	21.1	23.9	21.6
23	27.1	25.8	24.0	22.1	19.1	17.7	19.8	17.2	23.5	21.5	25.5	23.3
24	27.0	25.2	23.9	22.4	19.9	18.7	18.9	16.1	23.5	21.9	25.5	24.1
25	26.6	24.8	23.9	22.7	20.6	19.3	18.0	16.2	23.3	22.2	25.6	24.1
26	26.3	24.6	23.3	22.2	20.7	18.5	17.9	16.1	23.3	21.9	26.2	24.7
27	25.9	24.5	22.9	22.0	19.6	17.8	18.8	16.6	23.1	22.3	27.0	25.4
28	25.5	24.3	23.3	22.0	18.7	17.3	19.0	17.4	23.4	22.2	26.5	25.2
29	25.4	24.1	23.1	22.0	18.3	16.9	19.0	17.3	---	---	26.0	24.1
30	25.4	24.2	22.9	22.0	19.2	17.5	19.4	18.0	---	---	25.7	23.1
31	25.8	24.3	---	---	20.0	18.3	20.2	18.1	---	---	26.8	23.8
MONTH	29.5	23.6	26.7	20.9	24.6	16.6	23.5	16.1	23.5	16.6	27.0	17.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	27.0	24.2	26.7	25.4	28.6	27.4	29.8	27.9	32.0	29.5	31.1	29.1
2	25.5	23.9	27.5	25.6	27.6	26.2	30.9	29.0	30.8	29.4	30.7	28.9
3	25.2	21.7	26.9	26.0	26.4	25.5	31.6	29.9	31.2	28.7	29.7	28.6
4	25.1	21.3	26.7	25.9	25.9	25.1	31.4	29.5	30.4	28.8	29.0	27.4
5	25.0	22.4	26.0	25.3	26.6	25.2	31.9	29.8	29.0	27.9	27.5	26.8
6	24.8	23.0	25.9	24.7	28.5	26.0	32.2	30.1	29.8	27.6	26.8	26.3
7	24.9	23.3	26.0	24.2	28.4	27.2	32.4	30.2	30.5	28.4	27.3	26.1
8	25.1	23.8	25.9	24.0	29.3	27.1	32.4	30.1	30.6	28.7	27.8	26.7
9	24.8	23.6	26.4	24.0	29.3	28.1	31.4	29.6	31.0	29.0	28.2	27.1
10	24.9	23.2	26.6	24.4	28.6	27.1	29.7	28.2	31.8	29.0	29.0	27.5
11	24.5	22.9	27.4	24.9	27.2	26.5	30.1	27.8	30.7	29.2	30.1	28.2
12	25.3	23.3	27.9	25.4	28.0	26.5	31.0	28.6	31.5	28.9	30.3	28.2
13	25.4	23.8	28.5	25.6	29.6	27.0	32.7	29.6	31.1	29.2	30.6	28.3
14	25.8	23.4	28.6	25.6	30.9	27.8	31.9	30.0	32.1	29.2	30.9	28.7
15	24.8	23.0	27.6	25.8	32.5	29.0	32.5	29.5	32.3	29.3	31.1	28.9
16	24.4	22.2	29.5	25.5	32.0	29.7	31.3	29.6	33.1	30.1	30.9	29.0
17	23.9	21.8	29.4	26.1	31.9	29.2	32.2	29.7	33.5	30.7	30.6	28.7
18	24.0	21.8	29.2	26.4	32.5	29.4	32.9	30.1	33.2	30.9	30.5	28.9
19	24.9	22.3	29.2	26.4	32.5	29.7	32.9	30.3	32.9	30.6	30.5	28.7
20	24.5	23.1	29.5	27.1	30.8	28.8	32.4	30.6	32.6	30.7	29.7	28.3
21	25.4	23.0	29.7	28.0	28.8	27.8	32.2	30.5	32.6	30.7	28.5	27.5
22	26.0	23.8	29.8	28.2	28.6	27.3	32.1	30.4	32.2	30.3	27.9	27.2
23	26.3	24.1	29.7	28.3	28.9	27.2	32.4	30.4	32.2	29.9	27.8	27.0
24	26.0	24.3	29.8	28.1	28.7	27.3	31.9	30.5	32.4	30.2	28.7	27.0
25	25.7	23.4	29.7	28.2	29.4	27.3	30.9	29.2	31.4	28.7	28.8	27.2
26	25.7	23.5	28.7	27.6	29.2	27.9	31.7	28.7	29.5	27.8	29.2	27.5
27	25.7	24.2	29.4	27.0	29.5	28.0	32.6	29.7	29.7	28.0	28.9	27.6
28	27.0	24.2	29.9	27.2	30.3	28.1	33.0	30.0	30.0	28.6	29.4	27.2
29	27.4	24.5	31.0	28.0	28.9	27.3	32.4	30.3	30.4	28.9	30.0	27.4
30	27.5	24.7	30.6	28.8	28.7	26.8	33.1	30.1	30.8	28.8	29.7	27.7
31	---	---	29.8	28.2	---	---	31.8	30.1	31.3	29.1	---	---
MONTH	27.5	21.3	31.0	24.0	32.5	25.1	33.1	27.8	33.5	27.6	31.1	26.1
YEAR	33.5	16.1										

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.1	0.1	7.8	0.3	19.1	2.5	14.6	2.6	27.0	13.2	26.0	8.4
2	0.1	0.1	4.6	0.2	21.8	2.7	12.9	2.7	26.5	15.0	26.7	18.1
3	0.1	0.1	8.3	0.2	24.9	3.5	12.4	2.1	25.5	14.8	26.7	19.8
4	0.1	0.1	6.7	0.3	26.0	7.4	12.8	2.1	27.5	14.5	27.0	7.6
5	0.1	0.1	21.7	0.3	24.9	5.2	13.2	2.1	27.3	14.4	26.1	5.3
6	0.2	0.1	27.0	2.1	21.7	4.2	14.2	2.7	27.6	14.4	24.2	5.3
7	0.2	0.1	24.9	4.4	18.1	3.8	16.6	2.4	26.1	13.2	24.0	6.0
8	0.2	0.1	23.5	3.5	18.1	3.7	18.0	2.6	26.7	12.3	21.7	6.5
9	0.6	0.2	22.3	3.3	16.8	3.0	20.1	3.0	26.4	11.8	24.0	6.0
10	0.7	0.2	19.8	4.1	15.7	2.3	21.8	3.6	26.4	11.6	23.4	2.9
11	0.7	0.1	17.0	2.8	19.9	2.2	21.9	4.9	27.4	11.3	19.5	1.8
12	2.6	0.1	15.5	1.6	23.0	2.7	20.8	5.5	27.8	12.9	20.2	1.5
13	12.1	0.2	18.3	1.1	22.3	3.2	19.0	5.9	27.7	12.2	20.2	2.0
14	14.0	0.2	19.8	1.3	24.4	3.6	16.9	4.3	26.1	11.1	18.6	1.9
15	12.3	0.2	19.9	1.9	25.6	4.3	21.9	3.6	23.9	13.0	19.0	2.0
16	15.0	0.2	18.7	1.7	26.0	6.7	26.1	8.3	24.4	17.4	19.3	1.8
17	14.0	0.2	19.7	1.6	23.7	6.1	25.4	11.6	25.5	18.9	20.6	2.0
18	7.6	0.2	20.8	2.2	24.8	6.8	25.4	14.1	28.4	20.9	26.0	1.4
19	5.5	0.2	20.6	2.7	25.7	6.9	26.1	16.8	28.7	20.8	26.4	2.0
20	10.2	0.2	18.4	2.8	25.2	7.7	25.2	16.8	24.9	18.2	24.7	2.0
21	16.3	0.2	17.6	2.5	25.2	6.0	24.6	12.8	23.8	15.2	21.9	1.7
22	21.6	0.6	18.7	2.2	21.6	5.9	24.3	11.0	22.7	11.1	14.1	1.0
23	18.7	0.8	19.0	2.5	18.6	4.9	25.9	8.4	22.7	10.0	5.6	0.4
24	16.8	0.6	16.7	2.3	20.0	3.8	26.4	16.8	24.0	10.1	9.6	0.3
25	17.6	0.7	14.3	1.9	24.6	3.7	26.1	14.2	25.7	10.2	10.0	0.3
26	17.4	0.6	21.0	1.4	21.6	5.6	25.8	11.1	25.4	10.6	11.6	0.4
27	17.2	0.8	19.2	2.7	25.6	8.3	25.6	9.9	25.2	10.1	9.9	0.3
28	16.9	0.6	21.2	2.8	24.4	8.7	26.1	12.1	23.7	7.5	14.1	0.3
29	15.4	0.7	22.0	2.4	20.7	7.3	24.2	11.3	---	---	17.1	0.5
30	14.4	0.5	20.5	2.8	18.9	5.1	24.2	10.4	---	---	19.3	0.8
31	12.0	0.5	---	---	17.0	4.1	26.5	11.4	---	---	15.6	0.6
MONTH	21.6	0.1	27.0	0.2	26.0	2.2	26.5	2.1	28.7	7.5	27.0	0.3
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.5	0.4	17.9	4.0	18.7	3.6	0.1	0.1	8.7	0.2	12.3	0.2
2	10.6	0.6	22.1	5.6	17.4	1.7	0.1	0.1	15.7	0.2	12.8	0.2
3	21.3	0.9	23.2	5.7	11.2	0.3	0.2	0.1	14.8	0.2	11.5	0.1
4	20.0	1.1	21.2	6.0	2.4	0.2	0.2	0.1	6.2	0.2	5.8	0.1
5	20.4	1.5	18.4	3.2	1.9	0.2	0.2	0.1	1.4	0.1	0.1	0.1
6	14.8	1.5	22.7	1.8	2.4	0.2	0.6	0.1	2.8	0.1	0.1	0.1
7	10.0	0.8	21.2	1.5	0.8	0.2	0.6	0.1	5.7	0.2	0.1	0.1
8	14.3	0.5	17.8	0.9	1.5	0.2	0.6	0.2	6.8	0.2	4.5	0.1
9	18.8	0.5	15.6	0.8	1.8	0.2	0.5	0.2	6.6	0.2	16.4	0.1
10	19.5	0.9	16.8	1.1	0.6	0.2	0.2	0.1	7.4	0.2	15.9	0.1
11	19.9	1.3	15.9	1.3	0.3	0.2	0.2	0.1	5.3	0.2	15.1	0.1
12	16.9	1.2	15.9	1.6	0.2	0.2	0.2	0.1	5.0	0.2	18.9	0.1
13	12.9	0.9	17.2	1.7	0.2	0.2	0.2	0.1	5.1	0.2	17.8	0.2
14	24.8	1.6	17.5	1.5	0.2	0.2	0.7	0.1	8.9	0.2	16.0	0.2
15	29.2	15.1	14.8	1.6	0.4	0.2	0.4	0.2	8.2	0.2	13.5	0.2
16	29.2	23.6	17.8	2.0	6.2	0.2	0.6	0.2	7.8	0.2	13.5	0.3
17	28.7	23.3	16.8	1.8	8.7	0.2	2.6	0.2	10.0	0.2	13.6	0.2
18	28.0	19.2	20.1	1.8	7.9	0.2	2.5	0.2	11.0	0.2	13.6	0.3
19	24.8	13.5	19.9	2.4	12.0	0.2	3.5	0.2	13.3	0.2	12.8	0.3
20	20.8	7.2	18.5	3.0	11.8	0.2	8.3	0.2	13.9	0.3	13.8	0.5
21	21.9	5.7	20.5	4.0	15.0	0.2	11.3	0.2	14.2	0.4	7.9	0.4
22	21.8	5.2	23.3	4.7	14.0	0.2	15.2	0.2	14.6	0.5	2.3	0.2
23	22.8	4.9	21.4	5.0	14.0	0.2	15.5	0.3	12.6	0.4	0.4	0.1
24	24.9	4.9	24.4	4.4	11.2	0.2	17.0	0.4	13.0	0.4	0.4	0.1
25	24.8	5.4	24.5	4.8	10.3	0.2	17.2	0.2	19.5	0.8	1.7	0.2
26	23.3	5.1	24.9	5.4	2.6	0.2	14.5	0.2	11.9	0.3	2.0	0.2
27	21.0	4.0	23.8	4.5	2.7	0.2	9.9	0.2	2.8	0.2	13.4	0.2
28	24.1	4.2	21.4	4.0	1.7	0.2	8.0	0.2	0.7	0.2	8.9	0.2
29	23.5	4.3	21.9	4.5	0.2	0.2	7.4	0.2	1.4	0.2	11.0	0.2
30	20.1	3.8	21.6	5.2	0.2	0.1	8.2	0.2	4.3	0.2	10.9	0.2
31	---	---	21.3	4.7	---	---	5.3	0.2	11.5	0.2	---	---
MONTH	29.2	0.4	24.9	0.8	18.7	0.1	17.2	0.1	19.5	0.1	18.9	0.1
YEAR	29.2	0.1										

265912080082900 LOXAHATCHEE RIVER AT BOY SCOUT CAMP NEAR HOBE SOUND, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.8	27.7	25.9	24.8	23.7	22.1	20.5	19.1	20.2	18.7	23.0	21.4
2	29.1	28.4	26.0	25.1	23.5	22.2	20.9	19.4	20.7	19.3	22.3	21.6
3	28.9	27.9	26.3	25.1	23.8	22.1	21.2	19.6	21.1	20.0	21.7	20.9
4	29.1	28.1	26.6	24.9	23.8	22.5	21.5	19.9	21.0	19.4	20.9	19.5
5	29.2	28.2	26.3	25.0	23.5	21.9	22.2	20.5	20.7	18.4	20.5	19.1
6	29.0	27.7	26.5	24.4	23.3	21.5	22.7	21.3	19.2	18.1	20.8	19.5
7	27.7	26.0	26.1	23.8	23.5	22.3	23.2	21.8	19.6	18.4	21.8	20.1
8	27.0	25.4	25.8	23.4	24.1	22.4	23.6	22.0	19.9	18.9	21.5	20.4
9	27.3	25.5	25.3	23.2	24.8	23.1	23.6	22.0	20.7	19.1	21.1	19.0
10	27.8	26.0	24.7	23.1	24.5	23.5	23.5	21.9	20.8	19.6	19.9	18.5
11	27.4	26.7	23.8	22.7	24.0	22.3	23.1	21.7	20.8	18.5	19.5	17.7
12	27.1	26.4	23.6	22.8	22.5	20.6	23.1	21.8	18.9	17.1	20.2	18.0
13	27.5	26.1	24.2	23.0	20.9	19.6	23.0	22.0	18.8	16.8	21.0	18.6
14	27.7	26.3	24.0	23.2	20.6	18.9	22.9	22.3	19.4	17.1	21.9	19.8
15	27.5	26.5	23.6	22.1	20.4	17.1	22.7	21.9	19.9	18.1	23.0	20.9
16	27.2	25.2	22.3	21.2	18.7	17.1	22.5	21.5	20.9	19.5	24.4	22.2
17	26.3	23.7	22.0	21.1	18.4	17.3	22.2	19.4	21.8	20.6	24.0	22.7
18	25.8	24.1	22.0	21.1	19.8	17.8	20.7	18.2	22.8	21.4	23.8	21.8
19	26.4	25.3	22.9	21.0	20.6	18.6	19.5	18.2	23.0	21.9	23.6	21.0
20	26.9	25.8	23.6	21.4	20.1	17.7	19.1	17.9	22.4	21.4	23.2	20.7
21	27.6	25.7	23.7	21.8	19.6	17.3	18.6	17.4	22.4	21.5	23.3	21.3
22	27.8	26.0	24.3	22.1	18.6	17.6	19.5	18.2	22.8	21.8	23.9	21.8
23	27.2	25.9	24.3	22.3	19.2	17.9	20.4	18.6	23.7	22.0	25.3	23.4
24	27.1	25.3	24.1	22.6	20.2	18.8	20.2	17.4	23.6	22.2	25.3	24.2
25	26.7	25.0	24.1	22.8	21.1	19.5	18.4	17.0	23.5	22.5	25.6	24.2
26	26.5	24.8	23.7	22.5	20.8	19.8	18.2	16.6	23.3	22.1	26.2	24.7
27	26.1	24.7	23.2	22.2	20.5	18.5	19.2	16.8	23.2	22.5	27.0	25.4
28	25.8	24.5	23.5	22.2	19.2	17.9	19.2	17.9	23.5	22.3	26.5	25.0
29	25.6	24.2	23.4	22.1	18.5	17.4	19.2	17.6	---	---	25.5	24.2
30	25.6	24.4	23.2	22.2	19.2	17.7	19.6	18.2	---	---	25.1	23.2
31	25.7	24.4	---	---	20.0	18.5	20.1	18.6	---	---	25.8	23.7
MONTH	29.2	23.7	26.6	21.0	24.8	17.1	23.6	16.6	23.7	16.8	27.0	17.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.5	24.4	26.4	25.4	29.0	27.4	29.4	27.9	32.3	29.3	31.2	29.1
2	25.4	24.0	27.0	25.7	27.8	26.2	30.7	29.0	31.2	29.4	30.8	28.9
3	24.4	22.5	26.9	26.2	26.7	25.5	31.0	29.7	31.4	28.8	30.0	28.6
4	24.4	22.3	26.7	25.9	26.0	25.1	30.7	29.3	30.4	28.8	29.2	27.4
5	25.1	22.5	26.3	25.3	26.6	25.2	31.4	29.5	29.1	27.8	27.4	26.8
6	24.8	23.1	25.9	24.7	28.0	26.0	31.7	29.8	29.6	27.6	26.8	26.2
7	24.9	23.4	25.9	24.3	27.8	27.1	32.0	30.2	30.1	28.4	27.0	26.1
8	25.0	23.7	26.0	24.2	28.8	27.1	31.8	30.0	30.4	28.6	27.7	26.7
9	24.8	23.8	26.4	24.1	29.0	28.0	31.3	29.4	30.5	28.9	28.2	27.1
10	24.7	23.5	26.6	24.6	28.6	27.2	29.7	28.2	30.5	29.0	28.9	27.6
11	24.6	23.0	27.1	25.0	27.3	26.5	29.6	27.8	30.2	29.2	29.6	28.2
12	25.1	23.4	27.7	25.4	27.8	26.5	30.6	28.6	30.4	28.9	29.9	28.3
13	25.2	23.8	27.7	25.6	28.9	27.0	31.9	29.5	30.9	29.2	30.4	28.3
14	25.1	23.4	27.9	25.6	30.6	27.7	31.4	30.0	32.0	29.1	30.9	28.7
15	24.8	23.9	27.1	25.8	31.6	28.9	31.3	29.4	32.8	29.2	31.1	29.0
16	24.4	23.4	27.6	25.5	31.4	29.6	31.2	29.5	33.1	30.1	31.0	29.0
17	23.9	22.5	28.3	26.2	31.5	29.2	32.0	29.6	33.5	30.7	30.7	28.8
18	23.4	22.4	28.7	26.8	32.0	29.4	32.4	29.9	33.3	31.1	30.5	29.0
19	24.1	22.9	28.9	27.2	31.7	29.7	32.9	30.4	32.9	30.6	30.5	28.7
20	24.4	23.1	29.4	27.6	30.8	28.9	32.4	30.5	32.8	30.8	29.6	28.3
21	25.4	23.2	29.8	28.2	28.9	27.8	32.1	30.6	32.7	30.8	28.4	27.5
22	26.0	23.9	29.8	28.3	28.7	27.3	32.1	30.4	32.3	30.4	27.9	27.2
23	26.3	24.2	29.9	28.4	28.5	27.1	32.0	30.3	31.9	29.9	27.7	27.0
24	26.0	24.4	29.8	28.2	28.4	27.2	31.9	30.6	32.0	30.1	28.5	27.0
25	25.6	23.7	29.6	28.3	28.7	27.3	30.7	29.2	31.6	28.8	28.7	27.2
26	25.7	23.6	28.6	27.7	29.1	27.9	31.1	28.7	29.7	27.7	29.1	27.4
27	25.8	24.2	28.8	27.0	29.2	28.0	32.0	29.6	29.8	27.9	29.0	27.3
28	26.5	24.2	29.7	27.2	30.0	28.0	32.3	30.0	29.8	28.5	29.5	27.3
29	27.0	24.5	30.4	28.0	28.9	27.1	32.2	30.3	30.3	28.7	30.0	27.4
30	27.3	24.7	30.4	28.8	28.6	26.8	32.8	30.1	30.9	28.8	29.8	27.7
31	---	---	29.9	28.3	---	---	31.8	30.0	31.5	29.1	---	---
MONTH	27.3	22.3	30.4	24.1	32.0	25.1	32.9	27.8	33.5	27.6	31.2	26.1
YEAR	33.5	16.6										

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL

LOCATION.--Lat 26 59'06", long 80 09'37", in NE 1/4 NE 1/4, sec.20, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, on the Loxahatchee River, Jupiter, 4.1 mi west of State Road 811 Alternate (A1A), 1.65 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 4.81 ft Sept. 26, 2004; minimum, -1.66 ft Dec. 12, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 3.51 ft Sept. 9; minimum, -1.66 ft Dec. 12.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP): October 2003 to current year.
SALINITY (BOTTOM): October 2003 to current year.
WATER TEMPERATURE (TOP): October 2003 to current year.
WATER TEMPERATURE (BOTTOM): October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity record (TOP) rated excellent for the entire wayer year. Salinity record (BOTTOM) rated excellent except for the following period: Mar. 16-23, rated good. Temperature (TOP and BOTTOM) record rated good for the entire water year.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 11.8 ppt Feb. 6, 2005; minimum recorded, 0.1 ppt multiple days during the months of Nov. 2003, Sept. 2004, Oct. 2004, June 2005, July 2005, Aug. 2005, and Sept. 2005.
SALINITY (BOTTOM): Maximum recorded, 17.9 ppt Apr. 17, 2005; minimum recorded, 0.1 ppt multiple days during the months of Nov. 2003, Sept. 2004, Oct. 2004, June 2005, July 2005, Aug. 2005, and Sept. 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 32.2 C June 28, 29, 2004; minimum recorded, 14.3 C Dec. 21, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.1 C June 28, 30, 2004; minimum recorded, 14.2 C Dec. 21, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 11.8 ppt Feb. 6; minimum recorded, 0.1 ppt multiple days during the months of Oct., June, July, Aug., and Sept.
SALINITY (BOTTOM): Maximum recorded, 17.9 ppt Apr. 17; minimum recorded, 0.1 ppt multiple days during the months of Oct., June, July, Aug., and Sept.
WATER TEMPERATURE (TOP): Maximum recorded, 31.8 C July 23; minimum recorded, 14.9 C Jan. 26.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.8 C July 23; minimum recorded, 15.0 C Jan 26.

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.65	0.85	2.15	-0.30	1.82	-0.66	1.62	-0.70	2.27	0.03	1.71	-0.78
2	2.38	0.45	2.04	-0.36	1.82	-0.64	1.59	-0.57	2.38	-0.13	1.83	-0.77
3	2.28	0.24	1.89	-0.40	1.78	-0.56	1.41	-0.83	2.38	0.05	1.82	-0.67
4	2.27	0.30	1.94	-0.28	1.84	-0.32	1.38	-0.95	2.66	0.42	1.98	-0.84
5	2.08	0.25	1.89	-0.20	1.60	-0.62	1.62	-1.15	3.14	0.42	1.75	-1.18
6	1.96	0.24	2.28	0.27	1.47	-0.86	1.74	-1.11	3.30	0.36	1.64	-1.21
7	2.23	0.47	2.30	0.08	1.55	-0.95	1.81	-1.20	3.00	0.10	1.93	-1.02
8	2.48	0.53	2.08	-0.11	1.71	-1.03	1.94	-1.35	3.14	-0.05	1.94	-1.04
9	2.64	0.61	2.29	-0.32	1.68	-1.28	1.89	-1.51	2.84	-0.34	2.02	-1.18
10	2.63	0.41	2.77	0.14	1.74	-1.51	2.11	-1.47	2.51	-0.53	2.19	-0.90
11	2.48	0.18	2.92	0.04	1.84	-1.56	2.33	-1.27	2.40	-0.52	2.05	-0.92
12	2.68	0.09	2.96	-0.31	1.87	-1.66	2.25	-1.17	2.42	-0.21	1.78	-1.17
13	2.77	0.14	2.76	-0.62	1.78	-1.61	2.31	-0.90	2.43	-0.29	1.78	-1.09
14	2.87	-0.08	2.89	-0.75	1.92	-1.53	1.85	-1.05	2.27	-0.56	1.70	-1.25
15	3.10	-0.06	3.14	-0.02	1.98	-1.40	2.04	-0.81	1.90	-0.87	1.51	-1.09
16	2.79	-0.40	2.90	-0.16	2.26	-0.73	2.10	-0.02	1.60	-0.64	1.54	-0.80
17	2.63	-0.56	2.64	-0.35	2.04	-0.81	2.29	-0.05	1.76	-0.66	1.60	-0.46
18	2.44	-0.58	2.47	-0.27	2.05	-0.56	2.30	-0.09	1.66	-0.54	1.66	-0.25
19	2.21	-0.75	2.33	-0.28	1.98	-0.64	2.30	-0.26	1.82	-0.50	1.97	-0.19
20	2.08	-0.80	2.22	-0.36	1.80	-0.72	2.09	-0.26	1.62	-0.74	1.94	-0.27
21	2.33	-0.55	2.06	-0.44	1.93	-0.72	2.23	-0.37	1.54	-0.92	1.92	-0.33
22	2.82	0.01	2.24	-0.53	1.95	-0.80	1.98	-0.61	1.37	-1.14	2.03	-0.28
23	3.00	0.42	2.30	-0.44	1.98	-0.68	1.91	-0.78	1.46	-1.20	1.81	-0.56
24	3.12	0.56	2.50	-0.50	1.92	-1.04	2.17	-0.54	1.77	-0.93	1.75	-0.73
25	3.19	0.72	2.23	-0.63	2.19	-0.92	2.31	-0.31	1.85	-0.94	1.96	-0.67
26	3.16	0.52	2.12	-1.02	2.03	-0.58	2.37	-0.30	2.12	-0.52	2.15	-0.56
27	3.21	0.41	2.41	-0.56	2.16	-0.57	2.13	-0.53	2.15	-0.25	2.26	-0.52
28	3.05	0.20	2.10	-0.64	2.33	-0.29	2.43	-0.29	2.18	-0.72	2.16	-0.76
29	2.97	0.08	2.06	-0.74	2.08	-0.39	2.34	-0.05	---	---	2.16	-0.78
30	2.78	-0.05	2.13	-0.60	2.09	-0.54	2.30	0.04	---	---	2.15	-0.90
31	2.53	-0.14	---	---	1.93	-0.46	2.25	-0.06	---	---	1.95	-0.98
MONTH	3.21	-0.80	3.14	-1.02	2.33	-1.66	2.43	-1.51	3.30	-1.20	2.26	-1.25
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.71	-0.93	1.78	-0.96	2.12	-0.61	2.18	0.18	1.80	-0.83	2.07	-0.38
2	1.82	-1.08	1.84	-0.92	2.14	-0.65	2.12	-0.15	1.92	-0.72	2.24	-0.28
3	1.61	-0.70	2.10	-0.65	2.07	-0.50	1.78	-0.50	2.12	-0.51	2.72	0.20
4	1.90	-0.87	2.08	-0.57	2.16	-0.50	1.71	-0.58	2.04	-0.46	2.78	0.70
5	2.00	-0.83	2.11	-0.69	2.08	-0.73	1.91	-0.66	2.15	-0.14	2.65	0.87
6	2.13	-0.69	2.38	-0.64	2.17	-0.72	1.94	-0.61	2.08	-0.28	2.90	1.15
7	2.15	-0.71	2.62	-0.41	2.06	-0.46	1.90	-0.65	2.11	-0.16	3.03	1.26
8	2.27	-0.80	2.39	-0.52	2.18	-0.42	1.94	-0.54	2.18	-0.12	3.26	1.12
9	2.27	-0.86	2.34	-0.85	2.20	-0.38	1.98	-0.45	2.17	-0.20	3.51	1.20
10	2.27	-0.77	2.15	-0.82	2.08	-0.34	1.80	-0.44	2.06	-0.24	3.32	1.02
11	2.35	-0.57	1.95	-0.88	2.04	-0.21	1.54	-0.37	1.92	-0.36	3.18	0.77
12	2.36	-0.50	1.86	-0.77	1.88	-0.24	1.58	-0.32	1.90	-0.42	3.09	0.63
13	2.17	-0.69	1.83	-0.52	1.66	-0.22	1.62	-0.42	1.95	-0.55	3.00	0.31
14	1.96	-0.32	1.86	-0.44	1.76	-0.27	1.69	-0.58	2.11	-0.60	3.31	0.23
15	2.06	0.16	1.82	-0.30	1.68	-0.46	---	---	2.03	-0.80	3.41	0.24
16	2.27	0.60	1.82	-0.17	1.78	-0.61	1.72	-0.78	2.16	-0.82	3.19	0.16
17	2.44	0.68	1.72	-0.37	2.07	-0.53	1.87	-0.92	2.28	-0.94	2.98	-0.13
18	2.28	0.28	1.65	-0.48	2.11	-0.58	1.96	-1.00	2.30	-0.90	2.94	-0.02
19	2.06	0.14	1.90	-0.53	2.30	-0.89	1.96	-1.12	2.38	-0.90	3.00	0.01
20	2.00	-0.17	2.24	-0.50	2.35	-0.88	2.20	-1.10	2.35	-0.82	3.39	0.40
21	2.00	-0.42	2.34	-0.66	2.64	-0.76	2.34	-1.01	2.35	-0.64	2.78	-0.17
22	2.18	-0.56	2.63	-0.64	2.68	-0.70	2.31	-0.95	2.38	-0.56	2.63	-0.08
23	2.15	-0.74	2.71	-0.54	2.66	-0.76	2.34	-1.08	2.30	-0.64	2.45	0.09
24	2.26	-0.86	2.64	-0.81	2.70	-0.52	2.16	-0.74	2.22	-0.60	2.42	-0.01
25	2.20	-0.86	2.64	-0.78	2.74	-0.33	2.30	-0.48	2.85	-0.20	2.43	0.23
26	2.23	-0.92	2.68	-0.52	2.52	-0.30	2.28	-0.50	2.34	-0.16	2.41	0.28
27	2.08	-1.28	2.69	-0.66	2.48	-0.35	1.99	-0.73	2.50	-0.12	2.51	0.35
28	1.88	-1.05	2.42	-0.72	2.06	-0.37	1.70	-0.95	2.08	-0.17	2.59	0.32
29	2.03	-0.90	2.26	-0.57	1.92	-0.54	1.60	-0.98	2.06	-0.29	2.57	0.29
30	1.98	-1.01	2.26	-0.42	2.17	0.15	1.59	-0.92	2.04	-0.29	2.70	0.34
31	---	---	2.18	-0.48	---	---	1.57	-0.93	2.06	-0.38	---	---
MONTH	2.44	-1.28	2.71	-0.96	2.74	-0.89	2.34	-1.12	2.85	-0.94	3.51	-0.38
YEAR	3.51	-1.66										

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	3.8	0.4	0.5	0.3
2	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	4.9	0.4	0.9	0.3
3	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	6.0	0.4	1.4	0.3
4	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	8.9	0.4	1.2	0.3
5	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	11.5	0.4	0.4	0.3
6	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	11.8	0.5	0.4	0.3
7	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.3	9.2	0.5	0.8	0.3
8	0.2	0.1	0.2	0.2	0.3	0.3	0.5	0.3	9.3	0.4	1.0	0.3
9	0.2	0.1	0.2	0.2	0.3	0.3	0.5	0.3	7.9	0.5	1.1	0.3
10	0.2	0.1	0.3	0.2	0.3	0.3	0.8	0.3	6.6	0.4	0.3	0.3
11	0.2	0.1	0.3	0.2	0.3	0.3	1.9	0.3	6.0	0.4	0.3	0.3
12	0.2	0.1	0.3	0.2	0.3	0.3	1.5	0.3	6.7	0.4	0.3	0.3
13	0.2	0.1	0.3	0.2	0.3	0.3	1.6	0.3	7.0	0.4	0.3	0.3
14	0.2	0.1	0.3	0.2	0.4	0.3	0.4	0.3	5.6	0.3	0.3	0.3
15	0.2	0.2	0.4	0.2	0.5	0.3	0.3	0.3	2.7	0.3	0.3	0.3
16	0.2	0.1	0.3	0.2	1.4	0.3	0.3	0.3	1.1	0.3	0.3	0.3
17	0.2	0.2	0.3	0.2	0.7	0.3	0.5	0.3	1.5	0.3	0.3	0.3
18	0.2	0.2	0.3	0.2	0.6	0.3	1.9	0.3	1.8	0.3	0.3	0.2
19	0.2	0.2	0.3	0.2	0.4	0.3	3.7	0.3	11.0	0.3	0.3	0.2
20	0.2	0.2	0.3	0.2	0.3	0.3	2.7	0.3	3.0	0.5	0.3	0.2
21	0.2	0.2	0.3	0.2	0.6	0.3	4.6	0.3	2.4	0.4	0.3	0.3
22	0.2	0.2	0.3	0.2	0.5	0.3	2.5	0.3	2.0	0.4	0.3	0.2
23	0.2	0.2	0.3	0.2	0.4	0.3	2.1	0.3	2.5	0.3	0.2	0.2
24	0.2	0.2	0.3	0.2	0.3	0.3	4.8	0.3	3.8	0.4	0.3	0.2
25	0.2	0.2	0.3	0.2	0.5	0.3	6.8	0.3	3.4	0.3	0.3	0.2
26	0.2	0.2	0.3	0.2	0.3	0.3	6.6	0.3	3.0	0.3	0.3	0.2
27	0.2	0.2	0.3	0.2	0.4	0.3	3.9	0.3	3.2	0.3	0.3	0.2
28	0.2	0.2	0.3	0.2	0.9	0.3	6.7	0.3	3.1	0.3	0.3	0.2
29	0.2	0.2	0.3	0.2	0.4	0.3	4.2	0.3	---	---	0.3	0.2
30	0.2	0.2	0.3	0.2	0.5	0.3	3.7	0.3	---	---	0.2	0.2
31	0.2	0.2	---	---	0.3	0.3	3.4	0.4	---	---	0.3	0.2
MONTH	0.2	0.1	0.4	0.2	1.4	0.3	6.8	0.3	11.8	0.3	1.4	0.2
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	0.3	0.2	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.1
2	0.3	0.2	0.4	0.3	0.4	0.2	0.1	0.1	0.2	0.2	0.2	0.2
3	0.3	0.2	0.8	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
4	0.3	0.2	0.5	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
5	0.3	0.3	0.5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
6	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
7	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
8	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
9	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
10	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1
11	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
12	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
13	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
14	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1
15	0.3	0.3	0.3	0.3	0.2	0.2	---	---	0.2	0.2	0.1	0.1
16	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
17	9.9	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
18	3.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
19	0.8	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
20	0.6	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
21	0.5	0.3	0.8	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
22	0.6	0.3	1.7	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
23	0.7	0.3	2.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
24	1.0	0.3	1.6	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
25	0.9	0.3	1.8	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1
26	0.9	0.3	2.0	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
27	0.6	0.3	1.8	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
28	0.4	0.3	0.8	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
29	0.4	0.3	0.6	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.4	0.3	0.5	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	0.4	0.3	---	---	0.2	0.2	0.2	0.1	---	---
MONTH	9.9	0.2	2.0	0.2	0.4	0.1	0.2	0.1	0.3	0.1	0.2	0.1
YEAR	11.8	0.1										

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.6	27.8	26.0	25.1	23.1	22.3	20.4	19.6	19.1	18.3	22.5	21.5
2	29.6	28.1	25.8	25.0	23.0	22.1	20.6	19.8	19.9	18.5	21.6	20.0
3	29.3	27.5	25.7	24.5	22.6	21.4	21.1	20.0	20.2	19.3	20.0	18.2
4	29.4	27.7	25.8	24.8	21.4	20.4	21.6	20.3	20.0	18.7	18.4	17.6
5	29.4	27.8	25.7	24.7	21.6	20.4	21.7	20.6	18.8	17.3	19.9	17.9
6	29.3	27.6	24.9	23.6	22.1	21.1	21.8	20.8	18.6	17.3	20.4	18.8
7	27.6	26.0	23.6	22.5	22.8	21.7	22.3	21.2	19.5	18.2	21.1	19.4
8	27.0	24.9	23.3	22.3	23.2	22.3	22.2	21.4	19.8	18.8	21.1	20.1
9	27.3	25.8	23.2	22.2	23.8	22.8	21.7	21.1	20.2	18.8	20.5	17.8
10	27.9	26.3	23.1	22.3	23.8	23.3	21.6	20.8	20.7	19.3	18.6	17.1
11	27.8	26.8	23.5	22.3	23.8	22.0	21.8	20.6	20.0	18.1	19.2	17.0
12	26.8	26.1	23.6	22.8	22.0	19.0	22.1	21.1	18.4	15.6	20.3	18.4
13	27.6	26.1	23.7	22.9	19.0	18.0	22.5	21.6	17.4	15.2	20.8	18.9
14	27.9	26.4	23.6	22.6	19.3	18.3	22.7	22.3	18.1	16.2	22.1	20.2
15	27.9	26.6	22.7	21.5	18.7	16.6	22.4	21.6	19.7	17.3	23.1	21.7
16	27.1	24.3	22.1	21.1	17.3	16.5	21.6	19.9	20.2	18.6	24.4	22.9
17	25.6	23.4	21.8	21.0	18.6	16.9	19.9	17.5	21.4	19.1	24.1	22.2
18	26.4	24.7	21.4	20.9	19.6	18.1	17.8	16.6	21.9	20.0	22.2	21.1
19	26.9	25.5	21.9	20.9	19.6	18.7	17.5	16.6	21.1	19.6	21.5	19.9
20	26.9	25.8	22.1	20.9	18.7	16.3	17.3	16.4	21.0	19.3	21.8	20.2
21	27.0	25.4	22.3	21.3	16.7	15.5	18.1	16.4	21.3	19.4	22.3	21.2
22	26.9	25.6	22.6	21.7	18.3	16.2	18.6	17.0	21.6	20.0	24.0	22.3
23	26.1	25.0	22.8	21.8	19.8	17.9	19.7	18.2	22.5	20.6	25.1	23.9
24	25.6	24.6	23.3	22.1	20.5	19.4	18.5	16.2	22.6	21.2	24.7	23.9
25	25.5	24.5	23.8	23.0	20.6	19.9	16.8	15.2	22.2	21.6	25.6	24.3
26	25.4	24.6	23.6	21.3	20.3	18.9	16.6	14.9	22.1	21.4	26.2	25.2
27	25.3	24.4	22.4	21.3	18.9	16.9	18.1	16.1	22.3	21.8	27.1	25.7
28	25.2	24.2	23.2	22.4	17.3	16.8	18.2	17.5	22.9	22.0	26.8	25.1
29	25.3	24.1	23.0	21.8	18.2	17.1	18.8	17.6	---	---	25.1	23.2
30	25.2	24.2	22.5	21.8	19.3	18.0	19.3	18.3	---	---	24.7	22.9
31	25.6	24.3	---	---	19.9	19.0	19.6	18.5	---	---	25.8	24.2
MONTH	29.6	23.4	26.0	20.9	23.8	15.5	22.7	14.9	22.9	15.2	27.1	17.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.3	24.9	26.3	25.4	27.7	26.6	29.7	27.9	30.1	28.7	30.0	29.0
2	26.0	23.8	26.8	25.7	26.6	25.4	30.9	29.0	29.6	29.0	29.9	29.0
3	23.8	21.9	26.3	25.7	25.8	25.3	30.9	29.8	30.0	28.6	29.9	28.3
4	23.2	21.4	26.0	25.2	25.5	24.9	31.2	29.2	29.6	28.1	28.9	27.3
5	24.2	22.3	25.2	24.4	27.0	25.4	31.6	29.7	28.8	27.4	27.3	26.7
6	24.7	23.2	25.1	24.1	28.2	26.5	31.6	30.1	29.7	27.7	26.8	26.3
7	25.2	23.7	24.8	23.8	28.3	27.2	31.7	30.4	30.0	28.4	27.7	26.2
8	24.9	24.0	25.2	23.5	29.1	27.4	31.6	30.6	30.2	28.6	28.1	27.2
9	24.5	23.4	25.9	23.6	29.3	28.4	31.1	29.3	30.2	29.0	28.7	27.3
10	24.1	23.0	26.6	24.4	28.6	27.1	29.3	27.8	30.2	29.0	29.4	27.8
11	24.7	23.2	26.9	24.8	27.1	26.4	29.4	27.6	30.2	29.2	29.4	28.4
12	25.1	23.5	26.8	24.9	27.7	26.7	30.9	28.6	29.9	28.6	29.4	27.9
13	25.5	24.2	27.1	25.2	29.3	27.0	31.3	29.6	30.0	29.1	29.6	28.3
14	25.0	23.4	27.4	25.2	30.6	28.2	31.3	30.0	30.3	29.1	29.6	28.5
15	24.4	23.1	26.7	25.8	30.8	29.1	---	---	30.5	29.0	29.6	28.8
16	23.2	22.1	27.3	25.1	30.9	29.6	30.8	29.7	31.4	30.0	29.6	28.8
17	23.2	21.5	28.2	26.1	30.8	29.2	30.8	29.7	31.5	30.3	29.7	29.0
18	22.6	21.2	28.1	26.6	30.9	29.6	30.9	29.9	31.3	30.1	29.7	28.9
19	23.3	21.8	27.9	26.6	30.7	29.6	31.4	30.0	31.5	30.3	29.6	29.0
20	23.4	22.5	28.0	26.4	30.3	28.1	31.4	30.3	31.6	30.4	29.0	28.0
21	24.2	22.4	28.0	26.7	28.1	27.2	31.3	30.4	31.2	30.3	28.0	27.5
22	24.6	23.1	28.1	26.6	28.0	27.7	31.4	30.3	30.9	29.9	28.1	27.3
23	25.4	23.6	28.3	26.8	28.5	27.3	31.8	30.4	31.0	29.8	27.7	27.1
24	25.2	24.0	28.8	26.7	28.2	27.1	31.4	29.5	31.2	30.2	28.5	27.0
25	24.5	22.7	28.9	27.7	29.3	27.3	29.7	28.4	30.4	28.4	28.5	27.4
26	24.8	22.4	28.0	26.8	29.4	28.2	30.6	29.2	28.6	27.6	28.4	27.5
27	25.5	24.1	27.6	26.1	28.8	27.8	30.9	29.7	29.0	28.0	28.2	27.3
28	25.9	24.3	29.0	26.9	29.4	27.8	31.4	30.0	29.2	28.7	28.1	27.1
29	25.9	24.0	29.7	28.0	29.4	27.1	31.0	29.7	29.4	28.2	28.2	27.1
30	26.3	24.7	29.7	28.5	28.7	26.8	31.2	29.5	30.2	28.9	28.2	27.6
31	---	---	29.1	27.7	---	---	30.2	29.4	30.1	28.9	---	---
MONTH	26.3	21.2	29.7	23.5	30.9	24.9	31.8	27.6	31.6	27.4	30.0	26.2
YEAR	31.8	14.9										

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	4.6	0.3	0.5	0.3
2	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	6.5	0.4	1.1	0.3
3	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.3	7.8	0.4	1.7	0.3
4	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	9.9	0.4	2.1	0.3
5	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	12.1	0.4	0.4	0.3
6	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	12.2	0.5	0.4	0.3
7	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.3	9.3	0.5	0.9	0.3
8	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.3	9.4	0.4	1.1	0.3
9	0.2	0.1	0.2	0.2	0.3	0.3	0.5	0.3	8.2	0.5	1.0	0.3
10	0.2	0.1	0.3	0.2	0.3	0.3	0.8	0.3	7.0	0.4	0.3	0.3
11	0.2	0.1	0.4	0.2	0.3	0.3	2.0	0.3	6.5	0.4	0.3	0.3
12	0.2	0.1	0.3	0.2	0.3	0.3	1.6	0.3	7.2	0.4	0.3	0.3
13	0.2	0.1	0.3	0.2	0.3	0.3	1.7	0.3	7.7	0.4	0.3	0.3
14	0.2	0.1	0.3	0.2	0.4	0.3	0.4	0.3	6.3	0.3	0.3	0.3
15	0.2	0.1	0.4	0.2	0.5	0.3	0.3	0.3	---	---	0.3	0.3
16	0.2	0.1	0.3	0.2	1.7	0.3	0.3	0.3	---	---	0.4	0.3
17	0.2	0.2	0.3	0.2	0.7	0.3	0.5	0.3	---	---	0.3	0.3
18	0.2	0.2	0.3	0.2	0.6	0.3	3.0	0.3	---	---	0.3	0.2
19	0.2	0.2	0.3	0.2	0.4	0.3	7.1	0.3	---	---	0.3	0.2
20	0.2	0.2	0.3	0.2	0.3	0.3	4.3	0.3	---	---	0.3	0.2
21	0.2	0.2	0.3	0.2	0.6	0.3	7.3	0.3	---	---	0.4	0.3
22	0.2	0.2	0.3	0.2	0.5	0.3	4.0	0.3	4.8	0.4	0.4	0.2
23	0.2	0.2	0.3	0.2	0.4	0.3	3.1	0.3	5.2	0.3	0.2	0.2
24	0.2	0.2	0.3	0.2	0.3	0.3	7.6	0.3	6.7	0.4	0.3	0.2
25	0.2	0.2	0.3	0.2	0.5	0.3	8.6	0.3	5.0	0.3	0.3	0.2
26	0.2	0.2	0.3	0.2	0.3	0.3	7.9	0.3	4.3	0.3	0.3	0.2
27	0.2	0.2	0.3	0.2	0.4	0.3	5.5	0.3	4.2	0.3	0.3	0.2
28	0.2	0.2	0.3	0.2	1.0	0.3	7.6	0.3	3.5	0.3	0.3	0.2
29	0.2	0.2	0.3	0.2	0.4	0.3	4.7	0.3	---	---	0.3	0.2
30	0.2	0.2	0.3	0.3	0.5	0.3	4.9	0.3	---	---	0.3	0.2
31	0.2	0.2	---	---	0.3	0.3	4.2	0.4	---	---	0.3	0.2
MONTH	0.2	0.1	0.4	0.2	1.7	0.3	8.6	0.3	12.2	0.3	2.1	0.2
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	0.3	0.2	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.1
2	0.3	0.2	0.4	0.3	0.6	0.2	0.1	0.1	0.2	0.2	0.2	0.1
3	0.3	0.2	0.8	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1
4	0.3	0.2	0.5	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
5	0.4	0.3	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
6	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
7	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
8	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
9	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.2	0.1
10	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1
11	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
12	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
13	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
14	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1
15	0.3	0.3	0.3	0.3	0.2	0.2	---	---	0.2	0.2	0.1	0.1
16	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
17	17.9	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
18	17.7	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
19	1.9	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
20	0.6	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
21	0.5	0.3	0.8	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
22	0.6	0.3	1.7	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
23	0.6	0.3	2.0	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1
24	0.9	0.3	1.7	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.1
25	0.9	0.3	1.8	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1
26	0.8	0.3	2.0	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1
27	0.6	0.3	1.9	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
28	0.4	0.3	0.8	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
29	0.4	0.3	0.6	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
30	0.4	0.3	0.5	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
31	---	---	0.4	0.3	---	---	0.2	0.2	0.2	0.1	---	---
MONTH	17.9	0.2	2.0	0.2	0.6	0.1	0.2	0.1	0.3	0.1	0.2	0.1
YEAR	17.9	0.1										

265906080093500 LOXAHATCHEE RIVER AT MILE 9.1 NEAR JUPITER, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.6	27.7	26.0	25.1	23.1	22.3	20.4	19.5	19.1	18.2	22.5	21.5
2	29.5	28.0	25.8	25.0	23.0	22.1	20.6	19.8	19.9	18.5	21.6	19.9
3	29.2	27.4	25.7	24.5	22.6	21.4	21.0	20.0	20.2	19.3	20.1	18.2
4	29.3	27.6	25.8	24.8	21.4	20.4	21.5	20.3	20.0	18.7	18.7	17.6
5	29.3	27.7	25.6	24.7	21.6	20.4	21.6	20.6	18.8	17.3	19.7	17.8
6	29.3	27.6	24.9	23.6	22.1	21.0	21.7	20.8	18.6	17.3	20.3	18.8
7	27.6	26.0	23.6	22.5	22.8	21.7	22.2	21.2	19.4	18.2	20.8	19.4
8	27.0	24.9	23.3	22.3	23.2	22.3	22.1	21.4	19.8	18.8	21.1	20.1
9	27.3	25.8	23.2	22.2	23.8	22.8	21.7	21.1	20.2	18.8	20.5	17.8
10	27.9	26.3	23.1	22.3	23.8	23.3	21.6	20.8	20.7	19.3	18.6	17.1
11	27.8	26.8	23.5	22.3	23.8	22.0	21.8	20.6	20.0	18.1	19.2	17.0
12	26.8	26.1	23.6	22.8	22.0	19.0	22.1	21.1	18.5	15.6	20.3	18.4
13	27.6	26.0	23.7	22.9	19.0	18.1	22.5	21.7	17.5	15.2	20.9	18.9
14	27.9	26.3	23.6	22.7	19.3	18.3	22.8	22.3	18.1	16.2	22.1	20.2
15	27.9	26.6	22.7	21.5	18.7	16.6	22.4	21.6	---	---	23.1	21.7
16	27.1	24.3	22.1	21.1	17.3	16.5	21.6	19.9	---	---	24.4	22.9
17	25.6	23.4	21.8	21.0	18.6	16.9	19.9	17.5	---	---	24.1	22.2
18	26.4	24.7	21.4	20.9	19.6	18.1	18.2	16.5	---	---	22.2	21.1
19	26.9	25.5	21.9	20.9	19.6	18.6	18.3	16.6	---	---	21.4	19.8
20	26.9	25.8	22.1	20.9	18.6	16.3	17.4	16.4	---	---	21.8	20.2
21	27.0	25.4	22.3	21.3	16.7	15.5	17.7	16.5	---	---	22.3	21.1
22	26.9	25.6	22.6	21.7	18.3	16.2	18.5	17.1	21.5	20.0	24.0	22.1
23	26.1	25.0	22.8	21.8	19.8	17.9	19.7	18.2	22.4	20.7	25.1	23.8
24	25.6	24.6	23.3	22.1	20.5	19.4	18.5	16.2	22.5	21.2	24.7	23.9
25	25.5	24.5	23.8	23.0	20.6	19.9	17.2	15.2	22.2	21.6	25.6	24.1
26	25.4	24.6	23.6	21.3	20.3	18.9	16.6	15.0	22.1	21.4	26.2	25.1
27	25.3	24.4	22.4	21.3	18.9	16.9	18.1	16.1	22.3	21.8	27.1	25.5
28	25.2	24.2	23.2	22.4	17.3	16.8	18.2	17.4	22.9	22.0	26.8	25.1
29	25.3	24.1	23.0	21.8	18.2	17.1	18.8	17.6	---	---	25.1	23.2
30	25.2	24.2	22.5	21.8	19.3	18.0	19.3	18.3	---	---	24.7	22.9
31	25.6	24.3	---	---	19.9	18.8	19.6	18.5	---	---	25.8	24.2
MONTH	29.6	23.4	26.0	20.9	23.8	15.5	22.8	15.0	22.9	15.2	27.1	17.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.3	24.9	26.3	25.4	27.7	26.6	29.7	27.9	30.1	28.7	30.0	28.9
2	26.0	23.8	26.6	25.7	26.6	25.4	30.9	29.0	29.6	29.0	29.9	29.0
3	23.8	21.8	26.3	25.6	25.8	25.3	30.9	29.8	30.0	28.6	29.9	28.2
4	23.2	21.4	26.0	25.2	25.5	24.9	31.2	29.2	29.6	28.1	28.9	27.3
5	24.0	22.2	25.2	24.4	27.0	25.4	31.6	29.7	28.8	27.4	27.3	26.7
6	24.6	23.2	25.1	24.1	28.2	26.5	31.6	30.1	29.7	27.7	26.8	26.3
7	25.1	23.7	24.7	23.7	28.3	27.2	31.7	30.4	30.0	28.4	27.7	26.2
8	24.9	24.0	25.2	23.5	29.1	27.4	31.7	30.6	30.2	28.6	28.1	27.2
9	24.4	23.3	25.9	23.5	29.3	28.4	31.1	29.3	30.2	29.0	28.7	27.2
10	24.1	22.9	26.6	24.3	28.6	27.0	29.3	27.8	30.2	29.0	29.4	27.8
11	24.7	23.1	26.8	24.8	27.1	26.4	29.4	27.6	30.2	29.2	29.4	28.4
12	25.1	23.4	26.7	24.9	27.7	26.7	30.9	28.6	29.9	28.6	29.4	27.9
13	25.5	24.2	27.1	25.2	29.3	27.0	31.3	29.6	30.0	29.1	29.6	28.3
14	25.0	23.4	27.4	25.2	30.6	28.2	31.3	30.0	30.3	29.1	29.6	28.5
15	24.4	23.1	26.7	25.8	30.8	29.1	---	---	30.5	29.0	29.5	28.8
16	23.2	22.1	27.3	25.1	30.9	29.6	30.8	29.7	31.2	29.9	29.6	28.8
17	23.8	21.4	28.2	26.1	30.8	29.2	30.8	29.7	31.5	30.3	29.7	28.9
18	23.3	21.3	28.0	26.6	30.9	29.6	30.9	29.9	31.4	30.1	29.6	28.9
19	23.2	21.8	27.7	26.6	30.7	29.6	31.4	30.0	31.5	30.2	29.5	28.9
20	23.4	22.5	27.9	26.4	30.3	28.1	31.4	30.3	31.5	30.3	29.0	27.9
21	24.0	22.4	28.0	26.7	28.1	27.2	31.3	30.4	31.2	30.3	28.0	27.5
22	24.4	23.1	28.1	26.6	28.0	27.6	31.4	30.2	30.8	29.9	28.1	27.3
23	25.4	23.6	28.3	26.8	28.5	27.3	31.8	30.4	31.0	29.8	27.7	27.1
24	25.2	24.0	28.8	26.7	28.2	27.1	31.4	29.5	31.2	30.2	28.4	27.0
25	24.5	22.6	28.9	27.7	29.3	27.3	29.7	28.4	30.4	28.4	28.5	27.4
26	24.8	22.4	28.0	26.7	29.4	28.2	30.6	29.1	28.6	27.6	28.4	27.5
27	25.5	24.1	27.6	26.0	28.8	27.8	30.9	29.7	29.0	28.0	28.2	27.3
28	25.9	24.2	29.0	26.9	29.4	27.8	31.4	30.0	29.1	28.7	28.0	27.1
29	25.9	23.9	29.7	28.0	29.4	27.1	30.9	29.7	29.4	28.1	28.2	27.1
30	26.3	24.6	29.7	28.5	28.7	26.8	31.0	29.5	30.2	28.9	28.2	27.5
31	---	---	29.1	27.7	---	---	30.2	29.4	30.1	28.9	---	---
MONTH	26.3	21.3	29.7	23.5	30.9	24.9	31.8	27.6	31.5	27.4	30.0	26.2
YEAR	31.8	15.0										

265818080111900 CYPRESS CREEK CANAL BELOW GULFSTREAM BRIDGE, FL

LOCATION.--Lat 26 58'18", long 80 11'19", in SW 1/4 SW 1/4 SW 1/4, sec.19, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, north bank of Cypress Creek Canal below Gulfstream Citrus Bridge, 0.5 mi west of U.S. Interstate 95, 7 mi northwest of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 converted through VERTCON using the NAVD 88 survey levels provided by the South Florida Water Management District (SFWMD).

REMARKS.--Records poor. Flow regulated by stop-log structure located 0.25 mi downstream. The cross-section at this site is variable due to the buildup of debris in front of the bridge piling. Discharge computed from relationships between stage vs. area and index velocity vs. mean channel velocity. Below a stage of 4.95 ft, discharge is computed by a stage-discharge relationship.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 2 complete water years of discharge (2004-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.26 ft Sept. 26, 2004; minimum, 4.65 ft Jan. 5, 2005.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.42 ft Oct. 1; minimum, 4.65 ft Jan. 5.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.03	5.87	5.05	4.73	6.40	6.98	7.31	7.06	7.32	10.79	7.92	---
2	11.30	5.75	4.95	4.72	6.35	6.97	7.32	7.05	7.85	10.28	7.97	---
3	10.68	5.75	4.85	4.71	6.30	6.96	7.42	7.07	8.50	9.65	8.10	---
4	10.11	5.67	4.87	4.69	6.34	7.13	7.33	7.12	8.85	9.39	9.03	9.34
5	9.68	5.61	4.86	4.67	6.35	7.06	7.28	7.72	8.76	8.96	9.99	10.21
6	9.22	5.60	4.83	4.67	6.34	7.04	7.24	7.76	8.72	8.63	9.25	11.40
7	8.89	5.56	e4.81	4.68	6.33	7.01	7.21	7.56	9.10	8.40	8.74	11.03
8	8.67	5.54	4.81	4.67	6.45	7.00	7.44	7.47	9.02	8.24	8.59	10.47
9	8.41	5.51	4.83	4.69	6.82	7.11	7.43	7.41	8.64	8.13	8.40	9.89
10	8.20	5.44	4.80	5.59	6.87	7.47	7.35	7.35	8.41	9.09	8.38	9.41
11	7.99	5.37	4.80	6.34	6.89	7.30	7.30	7.29	9.06	9.36	8.40	9.03
12	7.87	5.24	e4.83	e6.34	6.91	7.26	7.26	7.27	9.64	9.52	8.60	8.69
13	7.71	5.19	4.85	6.35	6.91	7.22	7.24	7.25	e9.09	9.07	8.37	8.44
14	7.55	5.37	4.84	6.46	6.86	7.19	7.21	7.22	8.73	8.78	8.18	8.29
15	7.33	5.49	4.83	6.72	6.88	7.17	7.19	7.20	8.52	e8.64	8.04	8.16
16	7.24	5.32	4.81	6.56	7.05	7.15	7.16	7.17	8.41	8.41	7.93	8.07
17	7.13	5.28	4.82	6.50	7.01	7.25	7.14	7.14	e8.62	8.26	7.85	8.01
18	7.05	5.25	4.85	6.47	6.97	7.77	7.15	7.12	8.46	8.16	7.80	7.95
19	6.98	5.16	4.84	6.46	6.97	7.59	7.16	7.11	8.29	8.03	7.71	7.87
20	6.92	5.16	4.82	6.45	7.01	7.49	7.10	7.08	8.16	7.89	7.65	7.84
21	6.83	5.18	4.79	6.43	7.01	7.47	7.09	7.07	8.10	7.85	7.63	7.85
22	6.75	5.16	4.76	6.42	6.97	7.73	7.07	7.07	8.28	7.81	7.67	8.35
23	6.62	5.11	4.75	6.42	6.89	7.65	7.05	7.06	8.25	7.73	7.72	9.17
24	6.53	5.12	4.79	6.40	6.87	7.57	7.04	7.08	8.97	7.80	7.66	8.75
25	6.56	5.06	4.90	6.39	7.00	7.49	7.02	7.18	9.54	8.06	7.74	8.38
26	6.35	4.97	4.87	6.40	7.07	7.45	7.00	7.23	8.96	7.88	7.96	8.24
27	6.20	4.90	4.87	6.40	7.03	7.48	7.06	7.27	8.89	7.75	8.06	8.20
28	6.08	e5.07	4.84	6.42	7.02	7.47	7.13	7.24	8.91	7.68	---	8.07
29	6.06	e5.14	4.80	6.52	---	7.51	7.10	7.20	9.47	7.65	---	8.02
30	5.98	5.09	4.77	6.45	---	7.44	7.08	7.16	10.42	7.61	---	7.95
31	5.94	---	4.75	6.41	---	7.38	---	7.18	---	7.77	---	---
TOTAL	240.86	159.93	149.84	183.13	189.87	226.76	215.88	224.16	261.94	263.27	---	---
MEAN	7.77	5.33	4.83	5.91	6.78	7.31	7.20	7.23	8.73	8.49	---	---
MAX	12.03	5.87	5.05	6.72	7.07	7.77	7.44	7.76	10.42	10.79	---	---
MIN	5.94	4.90	4.75	4.67	6.30	6.96	7.00	7.05	7.32	7.61	---	---

e Estimated

265818080111900 CYPRESS CREEK CANAL BELOW GULFSTREAM BRIDGE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	759	95	65	47	31	48	69	45	e53	464	116	e166
2	649	88	56	46	26	46	76	47	130	391	122	e168
3	567	90	53	46	25	44	91	49	223	310	133	e307
4	491	88	54	45	29	59	74	52	e287	279	241	332
5	438	87	54	44	31	54	69	120	e273	232	350	454
6	386	86	52	44	30	53	65	118	e265	201	259	651
7	347	84	e51	45	29	48	62	90	e315	177	202	602
8	323	83	51	44	27	48	95	78	e306	158	187	513
9	290	79	52	45	36	63	91	68	e252	142	159	424
10	270	70	50	34	41	104	76	61	e215	251	161	355
11	249	82	51	30	45	78	71	56	e297	284	166	294
12	234	102	e52	e32	45	69	66	55	e367	307	190	243
13	219	108	53	30	45	67	64	52	e314	251	165	209
14	206	125	53	45	39	60	64	55	267	217	142	185
15	190	132	52	65	43	59	60	51	234	e199	127	169
16	187	109	51	50	56	59	59	51	205	174	112	156
17	178	100	51	41	53	75	53	47	e225	156	103	146
18	174	90	53	41	48	144	58	e45	198	144	99	139
19	170	76	52	37	49	112	57	e38	171	129	84	133
20	165	75	52	33	52	95	53	e38	154	113	79	130
21	160	78	50	33	51	91	51	e38	146	109	80	125
22	153	74	48	30	47	132	54	e36	172	101	86	193
23	140	71	48	37	41	119	48	e41	168	89	85	306
24	133	73	50	28	39	105	52	e38	271	102	88	250
25	138	67	55	27	50	96	47	e44	340	123	102	198
26	121	59	54	32	57	89	46	e45	259	103	119	176
27	112	56	54	22	50	94	51	e50	244	89	134	167
28	105	e69	53	35	50	94	58	e44	240	86	e134	151
29	105	e75	50	44	---	100	52	e40	302	87	e161	143
30	99	69	49	36	---	86	50	e32	411	85	e155	137
31	99	---	48	32	---	76	---	e37	---	101	e164	---
TOTAL	7,857	2,540	1,617	1,200	1,165	2,467	1,882	1,661	7,304	5,654	4,505	7,622
MEAN	253	84.7	52.2	38.7	41.6	79.6	62.7	53.6	243	182	145	254
MAX	759	132	65	65	57	144	95	120	411	464	350	651
MIN	99	56	48	22	25	44	46	32	53	85	79	125
AC-FT	15,580	5,040	3,210	2,380	2,310	4,890	3,730	3,290	14,490	11,210	8,940	15,120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	167	108	46.7	33.7	33.0	53.7	40.6	51.6	127	82.0	103	251
MAX	253	132	52.2	38.7	41.6	79.6	62.7	85.4	243	182	145	388
(WY)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2003)	(2005)	(2005)	(2005)	(2004)
MIN	79.9	84.7	40.3	30.5	24.6	27.8	18.4	15.9	15.8	16.4	59.5	112
(WY)	(2004)	(2005)	(2004)	(2004)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	30,274.3		45,474			
ANNUAL MEAN	82.7		125		97.7	
HIGHEST ANNUAL MEAN					125	2005
LOWEST ANNUAL MEAN					70.9	2004
HIGHEST DAILY MEAN	1,100	Sep 27	759	Oct 1	1,100	Sep 27, 2004
LOWEST DAILY MEAN	8.4	Jul 31	22	Jan 27	8.4	Jul 31, 2004
ANNUAL SEVEN-DAY MINIMUM	9.8	Jul 26	28	Feb 2	9.8	Jul 26, 2004
ANNUAL RUNOFF (AC-FT)	60,050		90,200		70,790	
10 PERCENT EXCEEDS	185		272		234	
50 PERCENT EXCEEDS	31		84		53	
90 PERCENT EXCEEDS	14		41		16	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

265708080093700 HOBE DITCH TRIBUTARY TO LOXAHATCHEE RIVER .5 MI ABOVE MOUTH, FL

LOCATION.--Lat 26 59'08", long 80 09'37", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, sec.18, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in the Gulfstream Citrus Orange Grove on Hobe Ditch, 50 ft above Moonshine Creek, 0.75 mi east of U.S. Interstate 95, 3.2 mi northeast of State Road 706 bridge crossing over the Loxahatchee River, 6.2 mi northwest of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 2002 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929. (South Florida Water Management benchmark). (Corrected).

REMARKS.--Records poor, discharge affected regularly by tidal backwater. Flow regulated by operation of control structure 0.2 mi upstream.

ANNUAL MEAN and ANNUAL SUMMARY STATISTICS.--Figures represent 2 complete water years of discharge (2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.70 ft Sept. 26, 2004; minimum, 1.78 ft Mar. 11, 2003.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.77 ft Sept. 6; minimum, 2.07 ft May 24,25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.29	2.53	2.39	2.84	2.46	2.94	2.49	2.53	2.55	4.81	3.52	3.23
2	4.75	2.56	2.38	2.82	2.53	2.79	2.85	2.55	3.63	4.28	3.58	3.39
3	4.40	2.57	2.36	2.75	2.45	2.73	2.94	3.02	4.26	3.98	3.86	3.93
4	4.15	2.57	2.35	2.75	2.48	2.96	2.88	3.34	4.70	3.95	5.11	4.33
5	3.99	2.55	2.36	2.76	2.57	2.83	3.28	3.02	3.99	3.21	5.44	5.49
6	3.86	2.52	2.37	2.75	2.55	2.74	3.19	2.60	3.77	3.25	4.76	7.72
7	3.79	2.53	2.50	2.71	2.47	2.69	2.99	2.68	4.79	3.26	4.39	5.11
8	3.72	2.52	2.77	2.79	2.53	2.66	3.42	2.63	3.96	3.18	4.35	4.71
9	3.64	2.51	2.88	2.93	2.39	2.92	3.33	2.62	3.49	3.06	4.07	4.21
10	3.55	2.54	2.93	2.89	2.47	4.48	3.18	2.31	3.43	3.09	3.79	3.85
11	3.49	2.53	2.95	2.86	2.53	4.54	3.04	2.16	3.87	3.01	3.79	3.61
12	3.44	2.52	2.95	2.79	2.57	3.02	2.92	2.54	4.09	3.08	4.04	3.45
13	3.37	2.48	3.00	2.70	2.61	2.32	2.86	3.22	3.69	3.18	3.90	3.31
14	3.26	2.59	2.99	3.61	2.65	2.53	2.81	3.18	3.44	3.03	3.65	3.17
15	3.21	2.65	2.65	3.91	2.61	2.77	2.56	2.89	3.27	e3.08	3.61	3.08
16	3.11	2.59	2.35	3.47	2.55	3.49	2.60	2.71	3.18	2.92	3.41	3.05
17	3.03	2.54	2.68	2.56	2.51	4.08	2.66	2.64	3.47	2.79	3.27	2.86
18	2.97	2.53	2.59	2.19	2.37	4.19	2.67	2.61	3.28	2.72	3.24	2.86
19	2.90	2.50	2.88	2.44	2.16	3.27	2.64	2.35	3.15	2.80	3.11	2.79
20	2.96	2.48	2.89	2.48	2.08	3.69	2.59	2.34	3.07	2.84	3.21	2.86
21	3.10	2.47	3.03	2.24	2.21	3.65	2.55	2.29	3.06	2.92	3.04	2.93
22	3.05	2.46	2.91	2.38	2.28	3.74	2.56	2.26	3.12	3.04	3.10	3.32
23	3.13	2.45	2.90	2.47	2.23	3.59	2.54	2.35	3.20	2.95	3.20	3.72
24	3.14	2.46	2.92	2.50	2.31	3.43	2.50	2.27	3.40	3.09	2.94	3.37
25	3.07	2.45	3.05	2.43	2.45	3.25	2.52	2.19	3.76	3.77	3.67	3.19
26	3.00	2.42	3.15	2.40	2.63	2.95	2.52	2.35	3.65	3.55	2.94	3.35
27	2.97	2.42	3.18	2.47	2.97	3.28	2.61	2.46	3.61	3.44	2.83	3.48
28	2.73	2.42	3.13	2.39	3.10	3.36	2.58	2.45	3.58	3.45	3.28	3.33
29	2.57	2.39	3.00	2.44	---	3.16	2.53	2.42	4.77	3.56	3.60	3.73
30	2.51	2.39	2.94	2.53	---	2.95	2.51	2.41	5.79	3.44	3.52	3.51
31	2.49	---	2.88	2.45	---	3.22	---	2.37	---	3.38	3.40	---
TOTAL	104.64	75.14	86.31	83.70	69.72	100.22	83.32	79.76	111.02	102.11	113.62	110.94
MEAN	3.38	2.50	2.78	2.70	2.49	3.23	2.78	2.57	3.70	3.29	3.67	3.70
MAX	5.29	2.65	3.18	3.91	3.10	4.54	3.42	3.34	5.79	4.81	5.44	7.72
MIN	2.49	2.39	2.35	2.19	2.08	2.32	2.49	2.16	2.55	2.72	2.83	2.79

e Estimated

265708080093700 HOBE DITCH TRIBUTARY TO LOXAHATCHEE RIVER .5 MI ABOVE MOUTH, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e52	e4.8	e2.9	e9.8	e4.0	e12	e4.0	e4.4	e4.7	e34	e15	e9.2
2	e40	e5.3	e2.8	e9.4	e4.7	e9.4	e9.1	e4.6	e23	e26	e15	e11
3	e32	e5.4	e2.8	e8.3	e3.8	e8.5	e11	e12	e33	e22	e19	e20
4	e27	e5.3	e2.6	e8.2	e3.7	e12	e9.5	e17	e41	e21	e40	e26
5	e24	e5.1	e2.7	e8.5	e3.8	e10	e16	e13	e27	e11	e47	e48
6	e22	e4.6	e2.8	e8.2	e3.1	e8.6	e15	e5.1	e22	e11	e34	e100
7	e20	e4.7	e4.5	e7.7	e2.9	e7.9	e11	e6.1	e40	e11	e27	e43
8	e19	e4.6	e8.6	e9.0	e3.6	e7.5	e18	e5.4	e25	e10	e27	e31
9	e17	e4.4	e10	e11	e2.6	e11	e17	e5.3	e17	e8.5	e22	e23
10	e16	e4.1	e11	e11	e4.0	e39	e14	e2.3	e16	e8.8	e18	e17
11	e15	e3.9	e12	e9.8	e4.9	e40	e12	e0.79	e22	e7.7	e18	e14
12	e13	e3.8	e12	e8.8	e5.4	e14	e10	e4.8	e24	e8.7	e22	e11
13	e13	e3.7	e12	e7.3	e6.1	e3.0	e9.2	e15	e18	e10	e20	e9.6
14	e11	e5.0	e12	e24	e6.9	e5.8	e8.4	e15	e15	e7.8	e16	e7.2
15	e10	e5.2	e6.9	e28	e6.3	e9.2	e4.9	e9.6	e12	e8.6	e15	e5.6
16	e9.1	e4.7	e2.7	e20	e5.6	e21	e5.1	e6.8	e11	e6.3	e12	e5.2
17	e8.3	e4.6	e7.2	e4.6	e5.0	e33	e5.7	e5.8	e15	e4.6	e10	e3.5
18	e7.7	e4.5	e5.7	e0.90	e3.1	e35	e5.9	e5.3	e12	e3.8	e9.5	e3.4
19	e8.0	e4.3	e10	e3.5	e1.1	e17	e5.6	e2.5	e10	e4.7	e7.7	e2.5
20	e9.5	e4.0	e11	e4.2	e0.43	e24	e5.1	e2.3	e9.1	e5.1	e9.0	e2.6
21	e11	e3.9	e13	e1.4	e1.5	e23	e4.6	e1.8	e8.8	e6.0	e6.5	e4.6
22	e10	e3.8	e11	e2.8	2.3	e25	e4.7	e1.5	e9.7	e7.7	e7.2	e11
23	e10	e3.7	e11	e4.0	e1.7	e22	e4.6	e2.2	e11	e6.5	e8.9	e17
24	e10	e3.6	e11	e4.2	e2.6	e20	e4.0	e1.5	e14	e8.7	e5.1	e11
25	e9.0	e3.6	e13	e3.4	e4.3	e17	e4.2	e0.83	e19	e18	e16	e8.4
26	e8.4	e3.3	e15	e3.1	e6.8	e12	e4.2	e2.2	e17	e15	e6.1	e11
27	e9.9	e3.2	e15	e4.0	e12	e17	e5.2	e3.3	e17	e13	e3.7	e13
28	e7.4	e3.3	e14	e2.9	e14	e18	e5.0	e3.4	e16	e14	e10	e11
29	e4.4	e3.0	e12	e3.6	---	e15	e4.3	e3.1	e37	e15	e15	e16
30	e4.0	e2.9	e11	e4.6	---	e12	e4.1	e3.0	e55	e13	e14	e13
31	e4.1	---	e10	e3.8	---	e18	---	e2.7	---	e13	e12	---
TOTAL	461.8	126.3	278.2	240.00	126.23	526.9	241.4	168.62	601.3	360.5	507.7	508.8
MEAN	14.9	4.21	8.97	7.74	4.51	17.0	8.05	5.44	20.0	11.6	16.4	17.0
MAX	52	5.4	15	28	14	40	18	17	55	34	47	100
MIN	4.0	2.9	2.6	0.90	0.43	3.0	4.0	0.79	4.7	3.8	3.7	2.5
AC-FT	916	251	552	476	250	1,050	479	334	1,190	715	1,010	1,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	10.2	7.45	7.49	5.20	4.11	7.34	3.54	5.01	9.71	6.95	13.8	27.4
MAX	14.9	10.7	9.84	7.74	4.51	17.0	8.05	7.84	20.0	11.6	19.3	52.1
(WY)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2003)	(2005)	(2005)	(2003)	(2004)
MIN	5.44	4.21	3.66	1.45	3.66	1.41	0.97	1.76	1.98	2.93	5.82	13.1
(WY)	(2004)	(2005)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	3,205.66		4,147.75			
ANNUAL MEAN	8.76		11.4		9.96	
HIGHEST ANNUAL MEAN					11.4	2005
LOWEST ANNUAL MEAN					8.56	2004
HIGHEST DAILY MEAN	215	Sep 26	100	Sep 6	215	Sep 26, 2004
LOWEST DAILY MEAN	0.17	Mar 26	0.43	Feb 20	0.13	Jan 20, 2003
ANNUAL SEVEN-DAY MINIMUM	0.21	Apr 5	1.8	May 20	0.15	Jan 15, 2003
ANNUAL RUNOFF (AC-FT)	6,360		8,230		7,220	
10 PERCENT EXCEEDS	14		22		20	
50 PERCENT EXCEEDS	3.5		9.0		5.1	
90 PERCENT EXCEEDS	0.41		3.1		1.1	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL

LOCATION.--Lat 26 56'20", long 80 10'31", in NE 1/4 SE 1/4 NE 1/4 sec.6, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 0.2 mi downstream from State Road 706, 1.3 mi upstream from Florida's Turnpike and 5.2 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1971 to current year.

REVISED RECORDS.--WDR FL-04-2A: 2003.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. No estimated daily discharges. Flow is augmented by diversion from C-18 canal 2.0 mi upstream from the gage. High-water flow can be diverted into C-18 canal by backflow through the structure. Discharge for the 1991 water year could not be published due to the loss of the original records. Days of no flow for the period of record only occurred during the period May 4-7, 1974.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 33 complete water years of discharge (1972-90, 1992-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.39 ft Oct. 18, 1995; minimum, 7.55 ft May 16, 17, 18, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.09 ft Sept. 4; minimum, 10.46 ft Feb. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.46	11.92	10.94	10.94	10.72	10.72	11.47	10.78	11.37	13.46	12.04	12.27
2	12.08	11.91	10.93	10.82	10.66	10.72	11.33	10.77	11.90	12.64	12.19	12.01
3	11.74	11.87	10.95	10.67	10.66	10.71	11.39	10.79	12.22	11.97	12.07	13.28
4	11.50	11.79	10.95	10.73	10.65	10.92	11.38	10.90	12.27	12.28	12.40	13.78
5	11.35	11.44	10.94	10.77	10.65	10.93	11.36	11.33	12.05	12.10	12.33	13.74
6	11.25	11.36	10.95	10.77	10.63	10.86	11.34	11.66	11.94	11.95	11.92	13.25
7	11.21	11.34	10.93	10.74	10.63	10.84	11.32	12.04	12.29	11.85	11.64	12.62
8	11.32	11.34	10.93	10.76	10.63	10.84	11.41	11.68	12.08	11.68	11.62	12.11
9	11.70	11.32	10.92	10.73	10.64	10.97	11.41	11.23	11.96	11.36	11.73	11.89
10	11.73	11.27	10.92	10.68	10.63	11.29	11.39	11.21	11.86	12.35	11.91	12.18
11	11.72	11.12	10.92	10.68	10.64	11.17	11.37	11.28	11.97	12.44	11.91	12.18
12	11.70	11.09	10.90	10.69	10.63	11.13	11.35	11.27	12.28	11.94	12.00	12.07
13	11.69	11.07	10.89	10.68	10.60	11.11	11.33	11.28	11.58	11.71	12.10	12.10
14	11.67	11.07	10.88	10.73	10.57	11.08	11.31	11.28	11.49	11.80	12.01	12.14
15	11.64	11.07	10.86	10.78	10.56	11.07	11.28	11.29	11.47	11.91	11.90	12.11
16	11.61	11.00	10.87	10.85	10.56	11.06	11.21	11.29	11.45	11.86	11.97	12.10
17	11.59	11.00	10.87	10.84	10.58	11.10	11.06	11.26	11.82	11.95	12.01	12.07
18	11.57	11.05	10.82	10.83	10.57	11.32	10.98	11.17	12.23	11.96	12.05	12.09
19	11.62	11.07	10.80	10.79	10.57	11.26	10.97	11.16	12.15	11.93	12.00	12.06
20	11.92	10.99	10.81	10.76	10.54	11.20	10.97	10.91	12.12	11.94	11.96	11.81
21	11.99	11.01	10.87	10.74	10.49	11.30	10.96	10.83	12.17	11.96	11.93	11.92
22	11.98	11.02	10.92	10.80	10.52	12.23	10.95	11.02	12.18	11.93	11.91	12.23
23	11.98	11.01	10.91	10.78	10.75	12.18	10.95	11.02	12.20	11.95	11.87	12.07
24	12.01	11.01	10.90	10.74	10.71	12.08	10.93	11.00	12.36	11.97	11.96	12.02
25	11.99	11.02	10.88	10.75	10.75	11.80	10.92	10.92	12.42	11.97	11.97	12.20
26	11.99	11.01	10.88	10.74	10.76	12.02	10.90	10.93	12.30	11.91	12.01	12.17
27	11.98	11.00	10.85	10.66	10.78	11.99	10.93	10.93	12.31	11.85	11.86	12.08
28	11.97	11.01	10.78	10.65	10.80	11.94	11.00	10.93	12.31	11.80	12.02	11.98
29	11.97	10.99	10.78	10.65	---	11.88	10.91	10.94	12.76	11.91	12.36	11.97
30	11.96	11.07	10.99	10.72	---	11.81	10.79	10.96	13.57	11.96	11.83	11.98
31	11.94	---	11.00	10.73	---	11.71	---	11.04	---	11.97	11.80	---
TOTAL	364.83	336.24	337.74	333.20	297.88	351.24	334.87	345.10	363.08	372.26	371.28	368.48
MEAN	11.77	11.21	10.89	10.75	10.64	11.33	11.16	11.13	12.10	12.01	11.98	12.28
MAX	12.46	11.92	11.00	10.94	10.80	12.23	11.47	12.04	13.57	13.46	12.40	13.78
MIN	11.21	10.99	10.78	10.65	10.49	10.71	10.79	10.77	11.37	11.36	11.62	11.81

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	155	55	50	29	31	111	34	90	351	152	174
2	143	154	53	41	25	32	97	33	142	216	167	149
3	115	150	55	28	24	31	102	34	175	145	155	289
4	95	142	55	32	24	49	100	43	180	176	188	373
5	82	107	54	36	23	49	98	82	159	158	181	361
6	73	99	54	36	22	44	95	115	148	143	140	285
7	69	97	52	33	22	43	93	153	182	133	112	210
8	81	96	52	35	22	43	101	118	162	116	109	159
9	125	95	52	32	23	56	101	72	149	83	121	137
10	134	90	52	29	22	86	98	71	140	184	139	166
11	135	75	51	28	23	75	95	78	151	192	139	166
12	133	72	49	29	22	72	92	77	182	142	148	155
13	132	70	48	29	20	70	90	78	113	119	158	158
14	130	69	47	31	17	68	87	79	104	128	149	162
15	127	69	46	35	17	67	84	80	102	139	138	159
16	124	62	47	41	17	67	76	80	100	134	145	158
17	122	62	46	40	18	72	61	77	137	143	149	155
18	120	67	42	40	18	94	54	68	178	144	153	157
19	125	69	41	36	17	89	52	67	170	141	148	154
20	155	61	42	33	16	83	51	46	167	142	144	129
21	162	62	46	31	13	94	50	40	172	144	141	140
22	160	63	50	36	15	186	49	55	173	141	139	171
23	161	62	48	34	31	182	48	55	174	143	135	155
24	164	63	48	32	28	172	46	54	189	145	144	150
25	162	62	46	31	32	144	45	47	195	145	145	168
26	162	61	46	31	33	166	43	47	183	139	149	165
27	161	60	44	25	35	163	44	47	185	133	134	156
28	160	61	38	24	37	158	50	48	185	128	150	146
29	160	60	37	25	---	152	43	49	247	139	184	145
30	159	67	56	29	---	145	34	51	373	144	130	146
31	157	---	56	29	---	135	---	59	---	145	128	---
TOTAL	4,162	2,482	1,508	1,021	645	2,918	2,190	2,037	5,007	4,675	4,514	5,398
MEAN	134	82.7	48.6	32.9	23.0	94.1	73.0	65.7	167	151	146	180
MAX	174	155	56	50	37	186	111	153	373	351	188	373
MIN	69	60	37	24	13	31	34	33	90	83	109	129
AC-FT	8,260	4,920	2,990	2,030	1,280	5,790	4,340	4,040	9,930	9,270	8,950	10,710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	132	112	73.8	70.9	67.5	61.2	47.6	43.8	76.9	90.9	100	125
MAX	349	277	253	305	295	190	178	150	238	286	212	258
(WY)	(1996)	(1993)	(1995)	(1993)	(1993)	(1993)	(1993)	(1972)	(1994)	(2002)	(1995)	(2001)
MIN	17.2	21.9	15.4	5.90	1.75	10.6	5.88	5.80	8.85	16.2	25.1	26.6
(WY)	(1973)	(1973)	(1989)	(1989)	(1989)	(1975)	(1999)	(1974)	(2004)	(1990)	(1975)	(1972)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	23,023.53		36,557			
ANNUAL MEAN	62.9		100		83.8	
HIGHEST ANNUAL MEAN					172	1993
LOWEST ANNUAL MEAN					24.2	1975
HIGHEST DAILY MEAN	753	Sep 26	373	Jun 30	2,150	Oct 18, 1995
LOWEST DAILY MEAN	0.44	Jun 30	13	Feb 21	0.00	May 4, 1974
ANNUAL SEVEN-DAY MINIMUM	1.8	Jun 28	16	Feb 16	0.16	May 2, 1974
MAXIMUM PEAK FLOW					2,660	Oct 18, 1995
MAXIMUM PEAK STAGE					16.39	Oct 18, 1995
INSTANTANEOUS LOW FLOW					0.00	May 4, 1974
ANNUAL RUNOFF (AC-FT)	45,670		72,510		60,710	
10 PERCENT EXCEEDS	134		167		176	
50 PERCENT EXCEEDS	44		92		61	
90 PERCENT EXCEEDS	14		31		16	

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL

LOCATION.--Lat 26 56'52", long 80 04'55", in NE 1/4 NW 1/4 SE 1/4, sec.31, T.43 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, at the Coast Guard Station, 1.2 mi northeast of Jupiter, 0.7 mi northwest of the mouth of the Loxahatchee River, 4.75 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 4.63 ft Sept. 25, 2004; minimum, -1.95 ft July 1, 2004 and Dec. 13, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 4.63 ft Sept. 25; minimum, -1.95 ft Dec. 13.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP): October 2002 to current year.
SALINITY (BOTTOM): August 2003 to current year.
WATER TEMPERATURE (TOP): October 2002 to current year.
WATER TEMPERATURE (BOTTOM): August 2003 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors. A second salinity and temperature sensor was installed in August 2003.

REMARKS.--Salinity record (TOP) rated excellent except for the following periods: Jan. 10-21, Feb. 11 to Mar. 1, Apr. 14-19, May 2-26, and July 7-18, rated good; Jan. 22-27 and July 19-28, rated fair. Salinity record (BOTTOM) rated excellent except for the following perids: Jan. 7-27, Feb. 14 to Mar. 1, Apr. 10-19, and May 7-26 rated good. Temperature records (TOP and BOTTOM) are rated excellent for the entire water year.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 39.5 ppt Aug. 18, 2004; minimum recorded, 1.2 ppt Sept. 27, 2004.
SALINITY (BOTTOM): Maximum recorded, 37.4 ppt Dec. 15, 16, 2003; minimum recorded, 1.2 ppt Sept. 27, 2004.
WATER TEMPERATURE (TOP): Maximum recorded, 32.9 C Aug. 17, 18, 2005; minimum recorded, 14.7 C Jan. 25, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.8 C Aug. 18, 2005; minimum recorded, 16.4 C Feb. 6, 2005.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 37.8 ppt May 21; minimum recorded, 6.8 ppt Oct. 3.
SALINITY (BOTTOM): Maximum recorded, 37.2 ppt Jan. 22, 23; minimum recorded, 7.4 ppt Oct. 3.
WATER TEMPERATURE (TOP): Maximum recorded, 32.9 C Aug. 17,18; minimum recorded, 16.4 C Feb. 6.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.8 C Aug. 18; minimum recorded, 16.4 C Feb. 6.

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.25	-0.54	1.95	-0.35	1.62	-0.62	1.32	-0.72	2.13	0.04	1.59	-0.77
2	2.05	-0.60	1.80	-0.40	1.61	-0.60	1.32	-0.66	2.35	-0.13	1.63	-0.77
3	1.99	-0.53	1.67	-0.42	1.61	-0.51	1.14	-0.86	2.27	0.02	1.60	-0.74
4	2.04	-0.16	1.70	-0.30	1.65	-0.26	1.16	-0.98	2.63	0.50	1.73	-0.88
5	1.89	-0.13	1.77	-0.19	1.35	-0.60	1.38	-1.18	3.10	0.42	1.52	-1.23
6	1.75	-0.03	2.17	0.31	1.25	-0.88	1.50	-1.28	3.22	0.30	1.41	-1.13
7	2.07	0.25	2.19	0.14	1.29	-1.05	1.58	-1.48	2.93	0.07	1.68	-1.10
8	2.30	0.35	1.94	-0.24	1.49	-1.39	1.75	-1.54	3.15	-0.10	1.75	-1.18
9	2.45	0.43	2.09	-0.22	1.44	-1.67	1.66	-1.72	2.74	-0.36	1.87	-1.30
10	2.47	0.23	2.61	0.11	1.52	-1.74	1.98	-1.74	2.44	-0.54	1.99	-1.07
11	2.32	0.00	2.76	-0.01	1.63	-1.79	2.21	-1.55	2.38	-0.44	1.81	-1.04
12	2.51	-0.10	2.85	-0.33	1.72	-1.90	2.10	-1.39	2.33	-0.16	1.50	-1.36
13	2.68	0.02	2.68	-0.62	1.56	-1.92	2.08	-1.15	2.30	-0.29	1.44	-1.27
14	2.77	-0.17	2.74	-0.77	1.73	-1.81	1.54	-1.28	2.12	-0.55	1.33	-1.43
15	2.98	-0.13	3.02	-0.03	1.96	-1.48	1.84	-0.83	1.67	-0.86	1.26	-1.15
16	2.72	-0.48	2.78	-0.13	2.09	-0.75	2.03	0.02	1.40	-0.62	1.30	-0.82
17	2.50	-0.66	2.53	-0.28	1.84	-0.80	2.19	0.05	1.56	-0.61	1.41	-0.60
18	2.26	-0.75	2.37	-0.19	1.90	-0.52	2.19	-0.06	1.46	-0.45	1.57	-0.30
19	1.99	-0.84	2.17	-0.22	1.80	-0.58	2.13	-0.21	1.62	-0.74	1.77	-0.20
20	1.85	-0.90	2.04	-0.32	1.64	-0.68	1.98	-0.31	1.36	-0.87	1.74	-0.33
21	2.21	-0.63	1.91	-0.50	1.73	-0.87	2.10	-0.57	1.35	-0.95	1.70	-0.34
22	2.67	0.00	2.10	-0.42	1.70	-0.79	1.79	-0.62	1.14	-1.18	1.76	-0.52
23	2.82	0.42	2.13	-0.48	1.74	-1.01	1.74	-0.75	1.25	-1.24	1.58	-0.68
24	2.97	0.57	2.34	-0.53	1.70	-1.08	2.13	-0.44	1.53	-0.96	1.46	-0.90
25	3.06	0.71	2.10	-0.66	2.08	-0.91	2.18	-0.25	1.63	-0.96	1.82	-0.90
26	3.04	0.52	2.01	-1.05	2.04	-0.46	2.28	-0.31	1.98	-0.51	1.99	-0.76
27	3.07	0.40	2.25	-0.61	2.10	-0.56	1.99	-0.52	2.05	-0.29	2.02	-0.74
28	2.93	0.21	1.98	-0.62	2.12	-0.30	2.21	-0.24	1.86	-0.63	1.99	-0.87
29	2.81	0.05	1.87	-0.71	1.92	-0.41	2.10	-0.08	---	---	1.99	-0.88
30	2.62	-0.04	1.92	-0.60	1.84	-0.54	2.13	0.07	---	---	1.93	-1.08
31	2.34	-0.13	---	---	1.63	-0.50	2.12	0.02	---	---	1.68	-1.16
MONTH	3.07	-0.90	3.02	-1.05	2.12	-1.92	2.28	-1.74	3.22	-1.24	2.02	-1.43
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.47	-1.07	1.52	-1.03	---	---	---	---	1.53	-1.10	1.84	-0.61
2	1.56	-1.11	1.62	-0.71	---	---	1.81	-0.98	1.64	-0.95	1.97	-0.50
3	1.40	-0.97	1.95	-0.47	---	---	1.48	-1.17	1.91	-0.72	2.41	-0.15
4	1.66	-0.89	1.91	-0.71	---	---	1.40	-1.40	1.74	-0.85	2.45	0.09
5	1.78	-0.92	1.90	-0.92	---	---	1.61	-1.26	1.93	-0.67	2.23	0.05
6	1.85	-0.87	2.29	-0.74	---	---	1.64	-1.08	1.83	-0.69	2.55	0.11
7	1.92	-1.08	2.39	-0.59	---	---	1.63	-1.05	1.94	-0.41	2.73	0.49
8	2.11	-1.04	2.24	-0.70	---	---	1.60	-1.01	1.94	-0.34	3.08	0.55
9	2.10	-1.08	1.97	-1.01	---	---	1.52	-0.91	1.94	-0.31	3.32	0.80
10	2.21	-0.91	1.72	-0.96	---	---	1.36	-1.03	1.81	-0.45	3.09	0.74
11	2.21	-0.69	1.71	-1.03	---	---	1.22	-0.87	1.64	-0.55	2.97	0.58
12	2.21	-0.71	1.61	-0.86	---	---	1.29	-0.76	1.58	-0.65	2.90	0.43
13	1.98	-0.70	1.60	-0.55	---	---	1.33	-0.75	1.66	-0.83	2.83	0.19
14	1.79	-0.30	1.60	-0.52	---	---	1.37	-0.89	1.81	-0.81	3.10	0.08
15	1.95	0.23	1.58	-0.33	---	---	1.36	-0.97	1.72	-1.06	3.22	0.09
16	2.19	0.66	1.61	-0.21	---	---	1.40	-1.12	1.89	-1.16	3.02	-0.01
17	2.34	0.74	1.49	-0.38	---	---	1.57	-1.30	2.03	-1.32	2.79	-0.34
18	2.21	0.18	1.43	-0.48	---	---	1.65	-1.43	2.06	-1.37	2.74	-0.21
19	1.89	0.02	1.65	-0.57	---	---	1.69	-1.64	2.17	-1.34	2.82	-0.20
20	1.78	-0.18	2.08	-0.55	---	---	1.99	-1.59	2.13	-1.19	3.19	0.22
21	1.78	-0.43	2.18	-0.71	---	---	2.12	-1.50	2.13	-0.97	2.52	-0.38
22	1.98	-0.62	2.51	-0.73	---	---	2.11	-1.30	2.17	-0.78	2.34	-0.38
23	2.03	-0.76	2.61	-0.59	---	---	1.97	-1.42	2.08	-0.89	2.14	-0.33
24	2.18	-0.93	2.60	-0.85	---	---	1.97	-0.99	1.97	-0.81	2.16	-0.37
25	2.08	-0.99	2.60	-0.86	---	---	2.11	-0.75	2.60	-0.27	1.49	-0.63
26	1.96	-1.19	2.54	-0.62	---	---	2.05	-0.69	2.01	-0.39	1.50	-0.56
27	1.87	-1.40	---	---	---	---	1.73	-0.90	2.19	-0.33	1.65	-0.47
28	1.66	-1.17	---	---	---	---	1.42	-1.14	1.86	-0.30	1.66	-0.51
29	1.83	-1.05	---	---	---	---	1.32	-1.23	1.77	-0.57	1.64	-0.53
30	1.74	-1.20	---	---	---	---	1.36	-1.19	1.80	-0.45	1.77	-0.46
31	---	---	---	---	---	---	1.29	-1.26	1.88	-0.54	---	---
MONTH	2.34	-1.40	2.61	-1.03	---	---	2.12	-1.64	2.60	-1.37	3.32	-0.63
YEAR	3.32	-1.92										

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	34.7	7.4	35.0	26.6	35.2	28.6	35.6	31.0	36.2	33.4	36.1	31.3
2	33.4	7.2	35.0	22.8	35.2	28.4	35.5	31.8	35.8	32.7	36.2	32.9
3	33.1	6.8	34.9	18.6	35.2	28.9	35.5	29.5	36.1	32.6	36.2	33.0
4	34.6	7.6	34.9	24.2	35.2	29.8	35.6	29.3	36.3	33.5	36.0	30.9
5	34.4	7.7	35.0	20.2	34.6	29.8	35.8	28.0	35.7	32.9	35.9	31.4
6	31.8	8.6	35.0	25.1	35.2	30.7	35.8	30.3	35.1	32.3	35.6	32.1
7	31.2	9.7	33.9	27.6	35.1	30.0	35.9	30.3	36.4	33.1	36.2	32.1
8	30.5	8.6	34.4	28.2	35.3	30.3	36.0	30.7	36.7	33.5	36.3	32.7
9	30.9	11.1	32.3	28.3	35.4	30.2	36.1	31.0	36.7	34.0	36.3	32.5
10	32.9	12.3	32.6	30.0	35.3	29.5	36.1	31.8	36.9	34.2	35.6	31.4
11	35.1	14.3	33.9	29.6	35.2	29.3	36.1	32.4	36.9	34.6	35.8	30.3
12	35.4	15.6	35.1	28.7	35.2	30.2	36.1	33.4	35.9	33.6	35.9	29.5
13	35.5	19.8	35.2	27.3	35.2	31.0	36.2	33.8	35.0	32.8	35.8	30.9
14	35.4	23.2	35.1	28.4	35.7	30.8	36.1	31.3	34.6	31.8	35.8	31.2
15	35.5	24.3	34.7	30.4	35.9	31.6	36.0	30.5	33.9	31.4	35.7	30.8
16	35.4	24.2	34.8	28.9	35.1	31.6	35.4	31.3	33.7	30.9	35.9	31.2
17	34.1	23.5	35.0	27.3	35.7	31.8	35.6	31.4	33.3	29.4	35.7	27.2
18	35.1	22.6	34.9	28.6	35.6	31.3	35.9	31.4	34.2	31.1	35.6	26.0
19	35.2	21.2	35.1	29.0	34.6	31.1	36.1	31.3	34.2	30.7	35.4	27.0
20	35.1	21.0	35.1	29.9	34.3	30.9	37.0	32.2	34.2	31.6	34.8	29.1
21	35.0	23.3	35.2	29.6	34.9	31.8	37.2	32.1	34.4	31.5	35.4	29.0
22	33.6	25.7	35.0	30.1	35.0	31.9	37.6	33.0	34.8	30.9	35.8	26.4
23	32.8	26.7	35.0	29.5	35.8	31.2	37.5	33.4	34.7	31.6	36.0	23.6
24	33.5	25.9	35.0	30.5	35.7	30.1	37.2	33.7	34.3	31.0	36.0	24.4
25	34.4	26.5	34.9	29.4	35.5	29.5	37.1	34.0	34.0	30.5	36.0	26.6
26	34.2	27.1	35.0	28.0	35.5	31.8	36.9	33.5	33.8	29.9	36.2	27.2
27	33.5	27.3	35.0	31.6	35.2	31.0	36.5	33.4	33.6	30.1	36.2	28.2
28	33.7	25.4	34.9	29.5	34.9	31.7	35.3	32.4	35.2	29.8	36.1	24.8
29	33.4	26.2	35.0	28.9	35.4	32.1	36.0	34.4	---	---	36.0	27.4
30	34.4	25.0	35.1	30.4	35.6	31.5	36.1	33.3	---	---	35.8	29.1
31	35.0	25.5	---	---	35.6	32.3	36.3	33.0	---	---	35.8	28.6
MONTH	35.5	6.8	35.2	18.6	35.9	28.4	37.6	28.0	36.9	29.4	36.3	23.6
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	35.7	27.4	37.1	33.0	---	---	---	---	35.2	23.6	35.5	23.4
2	35.4	25.2	37.2	33.2	---	---	36.3	12.8	35.0	25.9	35.1	23.6
3	35.4	28.2	37.2	33.4	---	---	36.5	15.8	34.9	25.0	35.1	22.6
4	35.1	28.2	37.1	33.8	---	---	36.6	17.6	34.8	24.3	34.0	15.6
5	35.5	28.7	37.3	33.2	---	---	36.6	17.5	34.1	20.5	33.5	10.9
6	35.8	31.7	37.5	32.6	---	---	36.8	18.9	33.7	20.5	34.2	10.6
7	35.7	31.4	37.3	32.6	---	---	36.8	19.5	34.3	20.7	35.0	11.9
8	35.7	26.6	37.0	31.5	---	---	36.8	21.5	33.6	21.0	35.0	15.4
9	35.7	28.7	37.3	30.9	---	---	36.2	18.2	33.9	22.4	35.6	17.8
10	34.9	29.6	37.4	30.2	---	---	36.0	11.1	34.2	21.3	35.1	18.4
11	34.9	30.2	37.5	31.3	---	---	36.3	11.5	34.4	20.2	34.5	17.3
12	35.1	30.0	37.5	31.4	---	---	35.9	13.0	34.6	20.1	34.8	17.9
13	35.7	27.0	37.4	31.6	---	---	35.8	15.0	34.5	19.4	34.8	21.2
14	36.0	28.1	37.4	31.8	---	---	35.5	17.8	34.5	21.1	34.9	23.6
15	35.9	30.2	37.5	27.8	---	---	35.7	17.6	34.5	22.1	34.8	24.7
16	35.5	31.2	37.2	27.9	---	---	35.6	18.8	34.4	23.6	35.0	26.0
17	35.7	30.4	37.4	29.2	---	---	35.9	20.0	34.3	24.2	34.9	25.2
18	35.2	29.5	37.5	30.2	---	---	36.1	21.8	34.4	25.7	34.4	25.5
19	35.6	30.5	37.4	30.2	---	---	36.8	22.2	34.3	26.3	34.0	25.9
20	36.0	31.1	36.7	30.4	---	---	36.9	25.4	33.9	26.9	34.1	26.5
21	36.4	30.9	37.8	30.5	---	---	37.2	26.3	33.8	27.5	34.8	22.8
22	36.5	31.9	37.0	32.6	---	---	37.3	27.6	33.8	27.5	34.1	20.0
23	36.5	32.2	35.9	32.9	---	---	37.4	29.0	33.7	26.8	34.2	15.9
24	36.6	32.3	35.9	31.2	---	---	37.5	30.1	33.6	25.8	33.3	14.8
25	36.7	33.4	35.9	32.5	---	---	36.7	29.4	33.3	26.4	32.6	15.6
26	36.9	33.9	36.0	33.1	---	---	36.5	29.2	33.1	22.3	34.2	14.2
27	36.8	32.8	---	---	---	---	37.5	27.3	32.3	20.0	34.4	15.9
28	37.0	33.3	---	---	---	---	37.6	26.0	32.5	16.8	33.3	18.7
29	36.9	33.8	---	---	---	---	35.9	25.0	33.0	16.1	34.1	19.9
30	37.1	33.8	---	---	---	---	35.6	27.0	32.4	16.0	33.4	21.8
31	---	---	---	---	---	---	35.5	27.5	35.3	19.1	---	---
MONTH	37.1	25.2	37.8	27.8	---	---	37.6	11.1	35.3	16.0	35.6	10.6
YEAR	37.8	6.8										

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.6	27.5	27.0	25.8	25.2	22.9	22.8	20.1	21.4	19.8	22.6	21.1
2	29.4	27.6	27.1	25.3	25.5	23.3	22.7	20.5	21.6	20.1	22.1	20.1
3	29.8	27.2	27.3	25.5	25.3	23.2	22.7	20.6	21.3	20.5	21.3	19.6
4	30.3	27.5	27.2	25.8	24.5	22.3	23.1	21.0	21.5	18.8	20.9	19.2
5	30.2	27.5	26.9	25.4	24.4	22.1	23.5	21.7	18.8	17.0	20.8	19.1
6	28.4	27.2	26.3	24.5	25.2	22.9	23.9	22.2	17.8	16.4	20.9	19.4
7	28.0	26.2	26.0	23.9	25.4	23.6	24.0	22.7	22.4	17.5	22.4	20.4
8	27.4	25.2	26.0	24.0	25.6	24.0	24.2	23.1	23.6	19.5	22.7	21.2
9	27.3	25.7	25.0	24.1	25.7	24.6	24.4	23.2	23.5	20.4	21.6	20.1
10	27.4	26.1	24.4	23.6	25.4	24.6	24.3	23.2	23.1	21.6	20.4	19.2
11	27.6	26.7	25.2	23.3	24.6	22.5	24.1	23.0	22.0	19.7	20.8	18.9
12	27.7	26.5	26.0	23.4	23.1	21.4	24.3	22.8	21.2	18.2	21.3	19.5
13	28.4	26.8	26.5	24.1	23.2	20.7	24.1	23.0	22.7	18.8	22.4	19.8
14	28.6	27.1	26.4	24.5	23.5	20.9	23.8	23.1	23.0	19.9	23.3	21.0
15	28.4	27.3	24.6	23.1	21.5	18.5	23.6	22.5	23.3	20.7	24.1	22.4
16	27.4	26.0	23.9	21.8	21.7	17.7	22.8	21.0	23.4	21.4	24.4	23.1
17	27.3	25.3	25.7	21.8	24.1	18.6	21.6	18.9	23.7	21.4	23.6	22.6
18	27.2	25.5	24.7	22.3	24.1	20.3	18.9	17.5	23.4	21.8	23.0	21.9
19	27.8	25.9	25.1	22.5	22.9	20.2	18.9	17.6	22.1	21.0	22.9	20.5
20	27.6	26.4	25.6	23.2	21.8	17.7	22.9	18.0	22.8	20.7	23.2	20.8
21	28.0	26.1	25.7	23.9	22.7	17.7	22.6	18.4	23.4	21.3	23.5	22.6
22	27.6	26.4	25.8	24.1	22.9	18.8	22.8	19.6	23.9	22.0	24.4	23.0
23	27.0	25.6	25.7	24.5	23.8	19.8	22.7	19.4	24.4	22.8	25.9	22.5
24	26.5	24.7	25.6	24.2	23.8	20.8	19.4	17.4	24.2	23.1	25.1	22.4
25	26.7	25.2	25.6	24.1	22.9	21.4	21.2	16.8	23.6	23.0	25.9	23.1
26	26.6	25.4	25.2	23.6	22.9	20.8	22.8	17.6	23.6	22.7	25.6	23.0
27	26.3	25.3	24.9	23.4	20.8	18.3	22.6	19.7	23.4	22.9	26.1	23.1
28	25.8	25.1	25.0	23.4	18.3	17.5	22.8	20.7	23.7	22.1	25.4	21.4
29	26.1	25.0	24.7	23.1	21.8	17.1	21.5	19.7	---	---	24.5	21.0
30	26.9	25.1	25.0	22.9	22.5	18.6	21.8	20.0	---	---	24.4	21.5
31	27.2	25.5	---	---	22.6	20.0	22.7	20.2	---	---	25.1	21.7
MONTH	30.3	24.7	27.3	21.8	25.7	17.1	24.4	16.8	24.4	16.4	26.1	18.9
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.3	21.9	25.7	24.6	---	---	---	---	32.0	27.2	31.1	28.4
2	24.4	22.4	26.1	24.7	---	---	30.8	27.3	31.8	27.9	31.4	28.9
3	22.7	20.7	26.0	24.6	---	---	31.3	26.8	31.4	28.1	30.6	29.2
4	23.7	21.3	26.1	24.8	---	---	31.4	26.7	31.8	28.4	29.4	28.3
5	24.7	23.1	25.4	24.5	---	---	31.6	27.3	30.5	28.8	28.9	27.9
6	24.7	23.5	25.5	24.2	---	---	31.5	26.9	31.2	28.9	28.4	27.3
7	24.8	23.5	25.8	24.1	---	---	31.8	27.1	31.7	28.6	28.9	26.8
8	24.9	23.8	26.0	23.8	---	---	31.2	27.5	31.3	29.2	28.9	27.3
9	24.9	23.4	26.7	24.0	---	---	30.2	28.2	31.2	29.4	29.6	27.3
10	25.4	23.3	26.9	24.5	---	---	29.2	27.3	31.4	29.2	30.4	27.8
11	25.5	23.4	27.2	24.8	---	---	30.8	26.1	30.4	28.7	30.4	28.3
12	25.4	23.5	27.3	24.7	---	---	31.5	27.1	31.9	28.7	30.5	28.0
13	25.4	23.6	27.0	24.6	---	---	31.4	27.4	31.8	29.5	30.3	28.3
14	24.9	22.7	27.4	24.9	---	---	30.8	28.1	31.9	29.6	30.1	28.4
15	23.5	21.9	27.4	25.1	---	---	30.9	27.4	31.7	29.0	30.5	28.6
16	22.9	21.4	27.8	25.2	---	---	30.6	28.3	32.1	29.5	30.7	29.0
17	22.1	20.6	27.6	25.7	---	---	30.7	28.2	32.9	30.5	31.0	29.0
18	22.6	20.6	27.6	25.9	---	---	31.2	28.6	32.9	29.5	31.0	29.3
19	23.1	21.4	27.5	25.9	---	---	31.9	28.4	32.7	29.3	30.3	28.8
20	23.7	22.1	28.0	25.9	---	---	31.8	28.4	32.7	29.9	29.3	28.4
21	24.8	22.9	28.2	26.1	---	---	31.8	28.9	32.4	30.1	28.7	27.7
22	25.6	23.7	28.9	26.4	---	---	32.0	29.1	32.5	30.1	28.7	27.7
23	26.2	24.3	28.9	26.8	---	---	32.0	28.6	32.7	30.5	28.7	27.3
24	25.5	24.1	29.4	26.2	---	---	30.2	28.4	32.1	30.2	29.8	27.2
25	25.0	23.2	28.6	26.0	---	---	30.7	29.3	30.5	28.9	29.3	27.5
26	25.5	23.6	27.2	26.0	---	---	31.3	29.5	29.5	27.9	29.6	27.6
27	26.0	24.1	---	---	---	---	31.2	28.6	30.1	28.2	29.3	28.0
28	26.0	23.7	---	---	---	---	31.5	29.0	30.5	28.8	29.4	27.9
29	26.2	24.1	---	---	---	---	31.6	28.1	30.3	29.0	29.7	28.3
30	26.3	24.1	---	---	---	---	31.4	29.2	31.0	28.1	30.2	28.6
31	---	---	---	---	---	---	31.3	27.1	31.2	27.6	---	---
MONTH	26.3	20.6	29.4	23.8	---	---	32.0	26.1	32.9	27.2	31.4	26.8
YEAR	32.9	16.4										

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	35.5	7.6	34.2	26.1	35.0	28.7	36.5	31.5	35.9	33.1	36.1	31.3
2	34.0	7.7	34.2	23.0	35.0	28.3	36.4	32.5	35.6	33.1	36.2	32.9
3	33.7	7.4	34.1	20.7	34.9	28.8	36.3	30.2	35.7	33.4	36.2	33.1
4	35.0	8.8	34.5	25.4	34.9	29.8	36.3	30.1	35.9	33.1	36.0	31.0
5	34.6	9.6	34.6	22.0	34.1	29.5	36.7	28.7	35.2	32.6	35.9	31.5
6	32.0	10.5	34.7	25.2	34.6	30.1	36.7	31.1	34.6	31.9	35.7	32.1
7	31.2	11.6	34.6	28.2	34.7	29.3	36.9	31.5	35.8	31.9	36.2	32.1
8	29.4	9.2	35.3	28.9	34.5	29.6	36.9	31.4	35.9	33.0	36.3	32.6
9	31.2	12.1	33.0	29.2	34.4	29.5	36.9	31.2	35.4	32.8	36.2	32.5
10	33.3	14.8	33.2	30.6	34.1	28.8	36.7	32.0	34.8	32.2	35.6	31.4
11	35.5	15.5	34.6	30.3	33.9	28.1	36.9	33.1	34.7	32.4	35.8	30.8
12	35.8	16.4	35.8	29.2	33.6	28.9	37.0	33.8	34.2	31.6	35.8	29.9
13	35.9	20.2	35.9	28.0	33.5	29.6	37.0	34.1	33.8	31.5	35.9	30.9
14	35.8	23.5	35.9	29.0	35.9	29.5	37.0	32.0	33.6	31.3	35.7	31.1
15	35.8	24.6	35.5	31.0	35.8	31.9	36.8	31.1	33.3	30.5	35.5	30.4
16	35.7	24.4	35.5	29.5	35.7	32.3	36.6	32.6	33.2	30.1	35.4	30.5
17	34.4	23.7	35.7	27.8	36.1	32.4	36.5	32.4	33.8	30.1	35.2	27.0
18	35.3	23.6	35.6	29.2	36.2	32.4	36.2	31.9	34.5	31.2	35.1	26.0
19	35.2	21.3	35.8	29.7	36.0	32.3	36.4	31.6	34.2	31.1	34.9	26.8
20	35.0	21.4	35.8	30.6	35.7	32.0	37.0	32.3	34.2	31.1	34.2	28.6
21	35.0	23.5	35.8	30.1	36.1	32.9	37.1	32.3	34.0	31.2	34.8	28.3
22	33.9	26.0	35.6	30.5	36.3	33.0	37.2	32.9	34.1	30.5	35.9	26.4
23	33.3	27.4	35.5	30.1	36.3	31.6	37.2	33.3	34.2	31.0	36.1	23.9
24	34.2	26.8	35.4	30.9	36.3	30.8	36.8	33.7	34.2	31.6	36.1	24.6
25	34.4	26.8	35.1	29.6	36.1	30.0	36.9	33.6	34.2	31.5	36.2	26.6
26	34.2	27.5	35.4	28.0	36.1	32.3	37.0	33.9	34.7	31.5	36.4	27.6
27	33.5	27.3	35.4	31.9	35.8	31.6	36.7	33.5	35.2	32.6	36.3	28.4
28	33.5	25.5	35.2	30.0	35.4	32.2	35.8	33.1	35.2	31.7	36.4	25.0
29	33.6	26.4	35.1	29.3	36.0	32.8	35.6	34.1	---	---	36.2	27.7
30	34.3	25.3	35.1	30.3	36.3	32.1	35.7	33.1	---	---	36.1	29.4
31	34.5	25.4	---	---	36.5	33.1	36.0	32.3	---	---	36.1	28.8
MONTH	35.9	7.4	35.9	20.7	36.5	28.1	37.2	28.7	35.9	30.1	36.4	23.9
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	36.1	27.7	36.2	32.4	---	---	---	---	36.0	24.6	35.3	23.6
2	36.0	25.3	35.9	31.9	---	---	35.8	13.1	36.1	26.7	35.0	23.8
3	36.0	28.5	36.1	32.8	---	---	35.9	16.2	36.0	25.8	35.0	22.8
4	35.6	28.5	36.1	33.1	---	---	35.9	17.9	36.0	25.3	34.0	16.1
5	36.0	29.0	36.7	32.4	---	---	35.7	17.6	35.3	21.4	33.6	11.4
6	35.7	31.7	36.6	31.9	---	---	35.7	19.1	35.0	21.6	34.4	11.0
7	36.0	31.5	36.2	31.9	---	---	35.5	19.6	35.4	21.7	35.2	12.3
8	35.8	26.7	35.6	30.7	---	---	35.4	20.7	34.7	22.1	35.4	16.2
9	36.0	28.7	36.1	30.0	---	---	34.9	17.7	34.8	22.9	35.4	18.1
10	35.2	29.6	35.9	30.2	---	---	34.9	12.4	35.0	21.8	35.2	19.3
11	35.0	30.0	36.2	30.2	---	---	35.6	12.8	35.4	20.8	34.7	17.8
12	35.3	29.1	36.4	30.6	---	---	35.3	13.9	35.6	20.9	35.2	18.7
13	36.4	26.8	36.1	31.4	---	---	35.2	15.6	35.6	20.1	35.1	21.5
14	36.4	27.6	36.1	31.7	---	---	35.0	18.1	35.6	22.0	35.4	24.2
15	36.1	29.7	36.0	29.0	---	---	35.4	17.6	35.7	23.1	35.3	25.5
16	35.8	30.8	36.2	28.3	---	---	35.3	19.1	35.7	24.6	35.6	26.9
17	35.0	30.1	36.6	30.8	---	---	34.9	19.3	35.6	25.2	35.7	26.3
18	35.2	29.8	36.5	30.4	---	---	35.3	21.6	35.7	26.9	35.7	26.5
19	35.9	31.1	36.5	30.5	---	---	35.4	21.7	35.8	27.5	35.3	27.6
20	36.1	31.3	36.5	30.8	---	---	35.4	24.4	35.5	28.6	35.1	27.6
21	36.4	31.0	36.2	31.5	---	---	35.5	25.3	35.7	29.1	35.6	24.1
22	36.4	31.8	35.9	32.6	---	---	35.5	26.7	35.8	29.1	35.2	21.2
23	36.4	32.1	36.7	33.7	---	---	35.8	27.9	---	---	35.7	17.7
24	36.3	32.1	36.2	32.2	---	---	35.7	28.8	---	---	34.9	16.5
25	36.3	33.2	36.0	32.9	---	---	34.9	28.2	---	---	33.7	17.1
26	36.5	33.5	35.7	33.4	---	---	34.8	27.9	---	---	35.6	16.1
27	36.4	32.3	---	---	---	---	35.6	26.0	---	---	35.8	17.5
28	36.4	32.7	---	---	---	---	35.7	25.6	---	---	34.8	20.2
29	36.3	33.6	---	---	---	---	35.8	25.1	---	---	35.9	22.0
30	36.6	32.8	---	---	---	---	36.0	27.2	---	---	34.9	23.6
31	---	---	---	---	---	---	36.1	28.0	---	---	---	---
MONTH	36.6	25.3	36.7	28.3	---	---	36.1	12.4	36.1	20.1	35.9	11.0
YEAR	37.2	7.4										

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.5	27.5	27.0	25.8	25.3	23.0	22.8	20.1	21.4	19.9	22.6	21.2
2	29.4	27.7	27.1	25.4	25.5	23.4	22.7	20.6	21.6	20.2	22.0	20.1
3	29.7	27.3	27.3	25.6	25.3	23.3	22.6	20.6	21.3	20.5	21.3	19.6
4	30.2	27.6	27.3	26.0	24.6	22.3	23.1	21.0	21.5	18.8	20.9	19.2
5	30.2	27.6	26.9	25.6	24.4	22.1	23.5	21.7	18.8	17.0	20.8	19.1
6	28.4	27.2	26.3	24.6	25.2	22.9	23.9	22.2	17.8	16.4	20.9	19.4
7	28.0	26.4	26.0	23.9	25.4	23.6	24.0	22.7	22.4	17.5	22.4	20.4
8	27.5	25.3	26.0	24.0	25.6	24.0	24.2	23.1	23.6	19.5	22.7	21.2
9	27.3	25.7	25.0	24.1	25.6	24.6	24.3	23.2	23.5	20.4	21.6	20.1
10	27.4	26.2	24.4	23.6	25.4	24.6	24.3	23.2	23.1	21.6	20.3	19.2
11	27.6	26.7	25.2	23.3	24.7	22.5	24.1	23.0	22.0	19.7	20.8	18.9
12	27.7	26.6	26.0	23.5	23.1	21.4	24.3	22.8	21.2	18.3	21.3	19.5
13	28.3	26.8	26.5	24.1	23.2	20.8	24.1	23.0	22.7	18.8	22.4	19.8
14	28.6	27.1	26.4	24.5	23.5	20.9	23.8	23.2	23.0	19.8	23.3	21.0
15	28.5	27.3	24.7	23.2	21.6	18.5	23.6	22.5	23.3	20.7	24.1	22.4
16	27.4	26.0	23.9	21.8	21.7	17.7	22.8	21.0	23.3	21.5	24.4	23.1
17	27.3	25.3	25.7	21.8	24.1	18.7	21.6	18.9	23.7	21.5	23.6	22.6
18	27.2	25.5	24.7	22.3	24.1	20.3	18.9	17.5	23.4	21.8	23.0	21.9
19	27.7	26.0	25.1	22.5	22.9	20.2	18.9	17.7	22.1	21.0	22.8	20.5
20	27.7	26.4	25.6	23.2	21.8	17.8	22.9	18.0	22.8	20.7	23.1	20.8
21	28.0	26.2	25.7	23.9	22.7	17.8	22.6	18.5	23.4	21.3	23.5	22.6
22	27.6	26.5	25.8	24.1	22.9	18.9	22.8	19.8	23.9	22.1	24.4	23.0
23	27.0	25.6	25.7	24.5	23.8	19.8	22.7	19.4	24.4	22.9	25.8	22.5
24	26.5	24.7	25.6	24.2	23.8	20.9	19.4	17.4	24.2	23.1	25.1	22.4
25	26.6	25.2	25.6	24.1	22.9	21.4	21.2	16.8	23.6	23.0	25.9	23.1
26	26.6	25.4	25.2	23.6	22.9	20.8	22.8	17.6	23.6	22.7	25.6	23.1
27	26.4	25.3	24.9	23.4	20.8	18.3	22.6	19.7	23.4	22.9	26.1	23.1
28	25.8	25.1	25.0	23.4	18.3	17.5	22.8	20.7	23.7	22.1	25.4	21.4
29	26.1	25.0	24.7	23.2	21.8	17.1	21.5	19.7	---	---	24.5	21.0
30	26.9	25.1	25.0	23.0	22.5	18.6	21.8	20.0	---	---	24.4	21.5
31	27.1	25.5	---	---	22.6	20.0	22.7	20.2	---	---	25.1	21.7
MONTH	30.2	24.7	27.3	21.8	25.6	17.1	24.3	16.8	24.4	16.4	26.1	18.9
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.3	21.9	25.7	24.6	---	---	---	---	31.7	27.2	31.0	28.4
2	24.3	22.4	26.1	24.7	---	---	30.4	27.3	31.6	28.0	31.4	28.9
3	22.7	20.7	26.0	24.6	---	---	31.0	26.8	31.4	28.1	30.6	29.2
4	23.6	21.3	26.1	24.8	---	---	31.0	26.7	31.7	28.4	29.4	28.3
5	24.7	23.1	25.4	24.5	---	---	31.5	27.3	30.5	28.8	28.9	28.0
6	24.6	23.5	25.5	24.2	---	---	31.3	26.9	31.2	28.9	28.4	27.4
7	24.8	23.5	25.8	24.2	---	---	31.6	27.1	31.7	28.6	28.9	26.9
8	24.8	23.8	26.0	23.9	---	---	31.2	27.5	31.3	29.2	28.9	27.4
9	24.9	23.4	26.7	24.0	---	---	30.2	28.2	31.2	29.4	29.6	27.4
10	25.3	23.3	26.9	24.5	---	---	29.2	27.3	31.4	29.2	30.3	27.8
11	25.5	23.4	27.1	24.8	---	---	30.9	26.1	30.4	28.7	30.3	28.4
12	25.4	23.5	27.3	24.8	---	---	31.5	27.1	32.0	28.7	30.6	28.0
13	25.4	23.6	27.0	24.6	---	---	31.4	27.4	31.8	29.5	30.3	28.4
14	24.9	22.7	27.4	24.8	---	---	30.8	28.0	31.8	29.6	30.0	28.4
15	23.5	21.9	27.4	25.1	---	---	30.9	27.4	31.6	29.0	30.5	28.6
16	22.9	21.4	27.9	25.2	---	---	30.4	28.4	32.1	29.5	30.7	29.0
17	22.1	20.6	27.7	25.7	---	---	30.5	28.2	32.7	30.5	31.0	29.0
18	22.6	20.6	27.6	26.0	---	---	31.1	28.6	32.8	29.5	31.0	29.3
19	23.1	21.4	27.5	25.9	---	---	31.8	28.4	32.7	29.3	30.3	28.8
20	23.7	22.1	27.8	25.9	---	---	31.6	28.4	32.7	30.0	29.3	28.4
21	24.8	22.9	28.1	26.1	---	---	31.7	28.9	32.5	30.1	28.7	27.7
22	25.6	23.7	28.9	26.4	---	---	32.0	29.1	32.5	30.1	28.7	27.8
23	26.3	24.3	28.9	26.8	---	---	32.1	28.7	32.6	30.5	28.8	27.4
24	25.5	24.1	29.4	26.2	---	---	30.2	28.4	32.1	30.2	29.9	27.3
25	25.0	23.2	28.6	26.0	---	---	30.8	29.3	30.5	28.9	29.3	27.5
26	25.5	23.6	27.3	26.0	---	---	31.3	29.5	29.5	27.9	29.6	27.6
27	26.0	24.1	---	---	---	---	31.2	28.6	30.1	28.3	29.4	28.0
28	26.0	23.7	---	---	---	---	31.5	29.1	30.5	28.8	29.4	28.0
29	26.2	24.1	---	---	---	---	31.5	28.1	30.3	29.0	29.7	28.3
30	26.3	24.0	---	---	---	---	31.3	29.2	30.6	28.1	30.0	28.6
31	---	---	---	---	---	---	31.2	27.1	30.3	27.6	---	---
MONTH	26.3	20.6	29.4	23.9	---	---	32.1	26.1	32.8	27.2	31.4	26.9
YEAR	32.8	16.4										

265645080055900 LOXAHATCHEE RIVER AT POMPANO DR. NEAR JUPITER, FL

LOCATION.--Lat 26 56'45", long 80 05'59", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, sec.36, T.40 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, on the Loxahatchee River, Jupiter, 76 mi north of Indiantown road, .49 mi east of State Road 811 Alternate (A1A), 3.6 mi northwest of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929, survey levels from a benchmark provided by Palm Beach County.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 4.45 ft Sept. 5, 2004; minimum, -1.60 ft Dec. 12, 2004.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 3.31 ft Sept. 9; minimum, -1.60 ft Dec. 12.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: October 2002 to current year.
WATER TEMPERATURE: October 2002 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent except for the following periods: July 11-28, Aug. 14-31, Sept. 18-30, rated good. Temperature record rated good. Elevation of the salinity and temperature sensor is -1.41 ft NGVD. During periods of missing record, values may be higher or lower than the listed extremes recorded.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 37.0 ppt July 24, 2005; minimum recorded, 0.8 ppt, Sept. 7, 2004.
WATER TEMPERATURE: Maximum recorded, 33.6 C Aug. 17, 18, 20, 2005; minimum recorded, 13.5 C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 37.0 ppt July 24; minimum recorded, 0.9 ppt, Sept. 6.
WATER TEMPERATURE: Maximum recorded, 33.6 C Aug. 17, 18, 20; minimum recorded, 16.2 C Jan. 20, 26.

265645080055900 LOXAHATCHEE RIVER AT POMPANO DR. NEAR JUPITER, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.26	-0.26	1.95	-0.37	1.64	-0.64	1.35	-0.72	2.12	0.03	1.56	-0.76
2	2.05	-0.32	1.82	-0.41	1.65	-0.61	1.32	-0.64	2.31	-0.13	1.64	-0.76
3	1.98	-0.34	1.68	-0.41	1.63	-0.54	1.17	-0.84	2.24	0.04	1.63	-0.71
4	2.02	-0.06	1.71	-0.33	1.69	-0.32	1.16	-0.96	2.56	0.46	1.76	-0.82
5	1.87	-0.05	1.75	-0.21	1.38	-0.62	1.39	-1.11	3.07	0.42	1.52	-1.19
6	1.75	0.01	2.14	0.25	1.26	-0.87	1.53	-1.17	3.20	0.37	1.42	-1.11
7	2.08	0.29	2.17	0.08	1.30	-0.99	1.61	-1.17	2.88	0.10	1.73	-1.01
8	2.29	0.38	1.92	-0.25	1.50	-1.18	1.76	-1.32	3.05	-0.01	1.72	-1.05
9	2.43	0.45	2.09	-0.29	1.44	-1.26	1.68	-1.46	2.74	-0.30	1.80	-1.13
10	2.42	0.25	2.60	0.09	1.52	-1.50	1.95	-1.44	2.42	-0.48	1.99	-0.89
11	2.28	0.06	2.74	0.00	1.64	-1.53	2.17	-1.27	2.35	-0.41	1.84	-0.92
12	2.48	-0.02	2.83	-0.30	1.71	-1.60	2.07	-1.12	2.32	-0.17	1.53	-1.16
13	2.61	0.08	2.67	-0.58	1.59	-1.58	2.08	-0.94	2.31	-0.27	1.45	-1.12
14	2.70	-0.14	2.72	-0.71	1.73	-1.50	1.55	-1.05	2.12	-0.55	1.45	-1.26
15	2.93	-0.12	3.01	-0.04	1.95	-1.31	1.86	-0.76	1.70	-0.86	1.27	-1.09
16	2.67	-0.45	2.77	-0.15	2.11	-0.69	2.05	0.06	1.39	-0.64	1.29	-0.83
17	2.45	-0.61	2.53	-0.32	1.87	-0.76	2.23	0.03	1.56	-0.65	1.37	-0.56
18	2.22	-0.67	2.36	-0.24	1.92	-0.50	2.20	-0.08	1.49	-0.49	1.51	-0.30
19	1.97	-0.79	2.16	-0.27	1.82	-0.58	2.16	-0.23	1.64	-0.69	1.78	-0.21
20	1.86	-0.87	2.03	-0.33	1.67	-0.68	1.97	-0.34	1.36	-0.75	1.76	-0.35
21	2.16	-0.60	1.90	-0.50	1.78	-0.83	2.10	-0.41	1.32	-0.90	1.72	-0.33
22	2.65	-0.03	2.08	-0.48	1.74	-0.83	1.81	-0.60	1.15	-1.13	1.79	-0.33
23	2.82	0.38	2.14	-0.41	1.78	-0.70	1.74	-0.76	1.22	-1.17	1.61	-0.63
24	2.96	0.54	2.36	-0.50	1.74	-1.01	2.08	-0.46	1.53	-0.89	1.48	-0.80
25	3.02	0.69	2.08	-0.62	2.08	-0.88	2.22	-0.28	1.64	-0.91	1.72	-0.74
26	3.02	0.51	2.00	-0.98	1.97	-0.45	2.26	-0.27	1.94	-0.48	1.93	-0.65
27	3.05	0.39	2.25	-0.58	2.10	-0.53	1.99	-0.52	2.03	-0.26	2.04	-0.62
28	2.89	0.18	1.97	-0.62	2.17	-0.29	2.24	-0.25	1.99	-0.67	1.98	-0.77
29	2.79	0.04	1.90	-0.70	1.91	-0.39	2.10	-0.08	---	---	1.96	-0.81
30	2.60	-0.05	1.94	-0.60	1.88	-0.54	2.15	0.04	---	---	1.96	-0.97
31	2.34	-0.16	---	---	1.67	-0.51	2.09	-0.03	---	---	1.72	-1.06
MONTH	3.05	-0.87	3.01	-0.98	2.17	-1.60	2.26	-1.46	3.20	-1.17	2.04	-1.26
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.47	-0.99	1.51	-0.95	1.90	-0.60	1.88	-0.69	1.56	-0.98	1.90	-0.55
2	1.57	-1.06	1.63	-0.70	1.89	-0.70	1.84	-0.78	1.69	-0.86	2.02	-0.42
3	1.40	-0.89	1.95	-0.61	1.83	-0.84	1.50	-0.97	1.91	-0.66	2.48	-0.03
4	1.68	-0.89	1.91	-0.62	1.91	-0.81	1.43	-1.14	1.78	-0.77	2.47	0.25
5	1.80	-0.83	1.90	-0.75	1.86	-0.99	1.64	-1.04	1.91	-0.57	2.29	0.19
6	1.86	-0.77	2.25	-0.64	1.92	-0.96	1.67	-0.91	1.87	-0.58	2.60	0.34
7	1.91	-0.83	2.41	-0.48	1.81	-0.90	1.66	-0.89	1.97	-0.35	2.79	0.61
8	2.08	-0.81	2.24	-0.59	1.96	-0.69	1.66	-0.83	1.97	-0.28	3.05	0.64
9	2.08	-0.88	1.98	-0.88	1.93	-0.65	1.66	-0.71	1.96	-0.30	3.31	0.88
10	2.18	-0.77	1.88	-0.87	1.79	-0.60	1.37	-0.82	1.85	-0.36	3.10	0.76
11	2.18	-0.60	1.74	-0.93	1.71	-0.52	1.25	-0.71	1.70	-0.49	2.97	0.58
12	2.19	-0.60	1.64	-0.80	1.60	-0.55	1.30	-0.61	1.62	-0.59	2.91	0.49
13	1.98	-0.68	1.62	-0.55	1.42	-0.44	1.36	-0.64	1.72	-0.72	2.80	0.19
14	1.77	-0.33	1.64	-0.50	1.54	-0.42	1.40	-0.78	1.86	-0.74	3.07	0.13
15	1.94	0.19	1.62	-0.33	1.41	-0.57	1.39	-0.84	1.79	-0.96	3.22	0.12
16	2.14	0.60	1.62	-0.23	1.50	-0.68	1.46	-0.96	1.94	-1.00	3.00	0.06
17	2.33	0.64	1.52	-0.38	1.82	-0.63	1.62	-1.11	2.05	-1.10	2.80	-0.21
18	2.16	0.18	1.44	-0.48	1.91	-0.74	1.68	-1.23	2.08	-1.07	2.75	-0.09
19	1.88	0.08	1.68	-0.56	2.04	-1.01	1.72	-1.34	2.18	-1.03	2.83	-0.07
20	1.81	-0.17	2.08	-0.50	2.13	-1.01	2.00	-1.29	2.16	-0.92	3.17	0.29
21	1.81	-0.42	2.19	-0.64	2.44	-0.94	2.16	-1.17	2.19	-0.72	2.54	-0.28
22	2.01	-0.58	2.49	-0.62	2.47	-0.88	2.16	-1.05	2.20	-0.60	2.38	-0.27
23	1.98	-0.68	2.60	-0.54	2.46	-0.88	2.07	-1.16	2.09	-0.71	2.21	-0.23
24	2.14	-0.81	2.56	-0.73	2.46	-0.80	1.98	-0.81	2.03	-0.66	2.19	-0.22
25	2.07	-0.88	2.57	-0.67	2.48	-0.72	2.08	-0.60	2.61	-0.22	2.21	0.06
26	1.95	-1.00	2.57	-0.54	2.27	-0.52	2.08	-0.59	2.07	-0.29	2.19	0.13
27	1.91	-1.24	2.57	-0.67	2.24	-0.59	1.76	-0.81	2.22	-0.28	2.32	0.23
28	1.65	-1.05	2.28	-0.72	1.82	-0.69	1.45	-1.05	1.91	-0.27	2.33	0.21
29	1.85	-0.93	2.10	-0.58	1.62	-0.88	1.35	-1.11	1.82	-0.51	2.35	0.18
30	1.76	-1.04	2.09	-0.41	1.82	-0.77	1.38	-1.06	1.85	-0.41	2.47	0.24
31	---	---	2.01	-0.52	---	---	1.31	-1.12	1.93	-0.48	---	---
MONTH	2.33	-1.24	2.60	-0.95	2.48	-1.01	2.16	-1.34	2.61	-1.10	3.31	-0.55
YEAR	3.31	-1.60										

265645080055900 LOXAHATCHEE RIVER AT POMPANO DR. NEAR JUPITER, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	34.3	23.5	34.9	24.6	36.0	29.4	35.2	30.5	35.7	30.8
2	---	---	34.0	19.0	35.1	25.5	36.4	30.9	34.4	30.1	35.8	31.6
3	---	---	33.7	15.7	35.2	27.3	35.8	25.7	34.5	31.2	35.6	31.6
4	---	---	34.0	20.7	35.1	28.0	35.7	26.3	34.8	32.1	35.4	30.0
5	31.5	2.1	34.5	17.4	34.5	27.8	35.8	22.5	34.2	31.5	35.5	29.8
6	29.8	7.2	34.7	21.1	35.2	29.8	35.7	27.0	33.6	30.9	35.1	30.0
7	27.5	2.3	33.8	24.9	35.2	25.6	35.7	29.1	34.5	30.6	35.7	30.0
8	28.5	6.2	34.8	25.6	35.0	26.0	35.7	28.7	34.9	30.8	35.9	32.6
9	28.8	11.5	32.1	26.7	35.3	29.3	35.8	28.7	34.6	30.3	35.9	30.2
10	31.4	13.7	32.6	28.6	35.3	27.9	35.7	29.2	34.8	31.8	35.2	28.6
11	32.9	13.1	33.7	28.6	35.3	29.5	35.8	31.7	34.8	32.2	35.5	29.1
12	33.7	12.1	35.1	26.4	35.4	29.9	35.8	32.4	34.2	31.5	35.5	29.2
13	34.1	16.0	35.3	22.8	35.3	29.9	35.8	33.5	34.4	31.6	35.5	28.9
14	34.4	19.3	35.1	26.3	35.7	31.1	35.8	30.1	34.6	31.0	35.6	27.7
15	34.5	19.5	35.0	27.8	35.8	30.7	35.5	28.8	34.6	29.1	35.5	26.6
16	34.4	19.0	35.1	25.9	35.6	31.5	35.4	30.4	34.6	29.2	35.7	31.2
17	33.4	17.6	35.0	24.5	35.6	30.6	35.1	30.4	34.4	28.9	35.5	25.7
18	34.0	21.1	34.9	24.9	35.9	30.4	34.7	30.0	34.4	29.8	35.3	23.3
19	33.8	14.8	34.7	24.9	35.7	31.5	34.9	28.7	34.2	30.4	35.4	24.2
20	33.8	15.6	35.2	27.0	35.5	30.9	35.1	28.9	33.8	30.8	34.9	24.9
21	33.8	16.7	35.3	26.2	35.5	31.1	35.5	29.8	34.3	30.3	35.2	26.4
22	32.7	19.0	35.2	25.0	35.8	31.8	35.7	30.1	34.3	29.6	35.0	26.2
23	32.0	21.3	35.3	27.3	35.9	28.1	35.8	32.3	34.2	30.6	35.2	20.1
24	32.8	21.1	35.2	31.1	35.7	27.7	35.4	32.1	34.2	30.3	35.6	18.8
25	33.8	22.8	35.0	29.0	35.6	29.3	35.4	31.7	34.1	29.2	35.4	24.1
26	33.7	21.5	35.1	27.7	35.8	32.4	35.7	30.6	34.1	30.7	35.9	26.2
27	33.5	22.8	35.2	31.0	35.4	30.6	35.4	31.5	34.0	32.0	35.8	26.8
28	33.4	22.2	35.2	28.4	35.2	29.8	35.2	31.6	34.0	30.9	35.8	24.7
29	32.9	21.9	35.0	27.7	35.7	31.3	35.1	33.4	---	---	35.8	26.3
30	33.8	22.3	34.8	28.8	35.8	29.5	35.0	30.8	---	---	35.6	25.8
31	34.0	22.3	---	---	36.1	30.8	35.2	31.4	---	---	35.7	26.7
MONTH	34.5	2.1	35.3	15.7	36.1	24.6	36.4	22.5	35.2	28.9	35.9	18.8
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	35.7	27.6	36.4	29.8	36.1	27.4	35.0	5.8	36.2	20.2	34.6	19.1
2	35.4	24.5	36.3	29.8	36.1	27.7	35.3	6.4	36.4	20.5	34.5	18.4
3	35.6	25.3	36.4	30.1	35.6	25.9	35.6	8.9	36.4	20.7	34.9	15.9
4	35.3	26.4	36.1	30.1	35.7	15.9	35.6	9.0	36.2	24.1	34.5	13.5
5	35.6	26.6	36.3	30.1	35.6	19.2	36.1	12.6	35.8	17.6	33.0	5.8
6	35.7	31.9	36.4	28.4	35.8	16.5	36.1	14.9	35.3	16.4	33.6	0.9
7	35.6	31.7	35.9	28.5	35.8	15.3	36.2	15.3	35.7	16.0	34.4	5.7
8	35.3	25.2	36.0	28.1	35.4	14.4	36.0	18.5	35.1	18.4	35.0	12.2
9	35.8	26.5	36.1	24.9	35.4	19.7	35.2	16.9	35.3	18.6	35.2	13.8
10	35.8	26.8	36.2	25.1	34.9	18.0	34.6	5.9	35.5	17.4	35.2	18.4
11	35.2	26.6	36.3	24.1	34.5	8.6	35.0	5.1	35.6	15.1	34.4	15.9
12	35.4	26.7	36.4	26.9	33.9	7.8	35.7	7.4	35.6	15.3	35.0	15.4
13	35.2	24.8	36.0	27.9	34.4	8.5	35.9	9.2	35.8	16.7	35.3	16.0
14	35.2	25.4	35.7	29.8	33.8	11.6	35.9	14.2	36.2	16.8	35.9	19.6
15	35.6	27.5	35.8	22.6	34.6	12.3	36.0	14.6	36.0	17.1	35.4	18.9
16	34.8	27.7	35.4	26.1	34.8	14.8	36.3	16.7	36.0	21.7	36.2	23.1
17	35.0	26.3	35.5	26.7	35.0	16.5	36.8	17.1	36.4	21.9	36.3	19.8
18	34.8	26.2	35.3	18.9	35.3	18.7	36.8	19.3	36.6	23.8	36.4	23.0
19	35.5	28.5	35.2	21.6	35.8	21.3	36.9	19.3	36.5	22.6	35.6	20.9
20	35.6	29.8	35.9	27.3	35.9	23.3	36.8	19.8	36.4	22.2	35.6	21.1
21	36.2	27.4	36.0	26.8	35.7	24.8	36.7	19.2	36.2	24.1	36.1	20.5
22	36.3	28.0	36.0	28.3	35.7	23.6	36.9	22.8	36.2	25.5	35.5	19.0
23	36.5	30.6	35.8	30.2	35.9	19.1	36.9	24.9	36.1	24.2	35.4	14.5
24	36.5	31.1	36.0	30.9	35.4	20.3	37.0	26.4	35.7	23.2	35.0	12.4
25	36.3	31.4	36.0	30.8	35.7	21.9	35.1	24.8	35.3	23.0	34.1	13.3
26	36.6	31.2	35.9	29.4	35.9	16.1	35.0	23.4	34.9	25.0	35.4	10.5
27	36.5	31.5	36.0	30.7	35.5	15.2	36.0	22.9	34.8	22.6	36.1	17.2
28	36.5	30.6	36.2	32.0	34.9	17.2	35.9	23.6	34.6	18.9	34.8	21.5
29	36.2	29.4	36.3	32.2	35.0	8.1	35.6	24.9	35.0	17.6	36.3	19.6
30	36.5	34.0	36.4	31.7	34.5	8.5	35.8	23.7	34.5	15.5	35.8	21.7
31	---	---	36.4	31.2	---	---	36.3	26.5	35.3	17.0	---	---
MONTH	36.6	24.5	36.4	18.9	36.1	7.8	37.0	5.1	36.6	15.1	36.4	0.9
YEAR	37.0	0.9										

265645080055900 LOXAHATCHEE RIVER AT POMPANO DR. NEAR JUPITER, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	27.2	25.5	25.0	22.2	22.7	19.3	21.3	19.0	22.4	20.6
2	---	---	27.3	24.9	25.4	22.4	22.6	20.0	21.6	19.7	21.9	19.2
3	---	---	27.4	25.1	25.3	22.1	22.5	19.8	21.4	20.6	21.0	18.8
4	---	---	27.5	25.7	24.1	20.9	23.1	20.3	21.5	18.8	20.6	18.4
5	28.9	27.9	26.7	25.1	24.2	21.0	23.4	21.4	18.9	17.0	21.1	17.6
6	28.7	27.4	26.3	23.7	24.7	22.3	24.1	22.3	18.4	16.4	21.5	18.4
7	28.0	26.6	25.9	23.2	25.0	23.3	24.6	22.9	21.6	17.6	22.8	20.2
8	27.5	25.6	25.8	22.9	25.5	23.5	24.6	22.7	23.3	18.9	22.2	20.5
9	27.4	26.4	25.2	23.1	26.3	24.7	24.7	22.8	23.2	19.8	21.2	18.8
10	28.2	26.5	24.3	22.8	25.6	24.5	24.5	22.6	23.0	21.3	20.4	18.0
11	27.6	26.8	24.8	22.8	24.6	21.6	23.9	22.6	21.3	18.6	21.0	18.6
12	27.6	26.5	25.4	22.9	22.4	19.7	24.0	22.4	20.8	17.1	21.4	19.1
13	28.5	26.6	26.2	23.3	22.4	19.0	24.2	22.8	21.5	17.5	22.6	18.8
14	28.4	26.7	26.2	24.3	22.8	19.9	23.9	22.9	22.0	18.3	23.6	20.1
15	28.5	27.0	24.4	22.2	21.1	17.1	23.3	21.9	23.2	19.3	24.9	21.7
16	27.4	24.6	23.8	20.8	21.4	17.1	22.9	20.0	23.4	20.1	24.9	23.3
17	27.7	25.1	25.1	20.3	22.7	17.6	21.1	18.1	24.0	20.8	23.8	22.5
18	27.3	25.4	24.6	21.2	23.8	18.8	18.5	16.6	23.2	21.4	23.3	21.3
19	27.7	25.7	24.8	21.2	22.7	19.5	18.7	16.8	22.5	20.3	23.1	19.9
20	27.8	25.8	25.4	22.8	21.2	17.2	21.6	16.2	22.7	20.6	23.4	21.6
21	28.1	26.2	25.3	23.1	21.4	16.4	21.7	18.0	23.9	20.9	23.9	22.6
22	27.5	26.5	25.5	24.0	21.8	18.3	22.4	18.8	24.5	21.6	24.8	23.0
23	27.2	25.7	25.9	24.1	22.8	19.9	22.1	18.5	24.7	22.6	26.1	22.8
24	27.1	25.2	25.4	24.5	23.4	20.5	18.6	16.8	24.3	22.7	25.4	22.6
25	27.4	25.6	25.6	23.6	23.0	21.1	20.5	16.3	23.7	22.7	25.9	23.3
26	26.9	25.5	24.5	22.8	22.6	19.5	22.1	16.2	23.6	22.3	26.1	23.5
27	26.7	25.2	24.4	22.9	19.9	17.9	22.4	18.3	23.4	22.8	26.8	23.3
28	26.0	24.6	24.7	22.8	18.1	17.4	22.3	19.8	23.8	22.0	25.2	21.7
29	26.4	24.5	24.6	22.3	21.0	16.7	21.2	19.3	---	---	24.7	21.4
30	26.8	24.6	24.0	22.3	21.8	17.8	21.7	18.8	---	---	25.2	21.4
31	27.6	24.9	---	---	22.5	19.3	22.4	19.4	---	---	24.9	22.2
MONTH	28.9	24.5	27.5	20.3	26.3	16.4	24.7	16.2	24.7	16.4	26.8	17.6
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.8	22.2	25.9	24.4	27.3	26.2	30.9	28.2	33.1	28.0	31.8	28.5
2	24.0	21.9	26.6	24.6	26.8	26.0	31.8	27.8	32.0	28.1	32.5	29.0
3	23.0	19.5	26.7	24.8	27.0	26.0	31.2	27.3	31.9	28.6	30.5	29.1
4	24.1	21.1	26.0	24.9	26.8	26.1	31.8	27.0	32.1	28.6	29.6	28.8
5	25.7	22.9	25.6	24.5	28.3	26.1	32.6	27.5	30.2	28.8	28.9	27.6
6	25.5	23.4	26.2	24.1	29.4	26.6	32.3	27.2	31.6	28.5	28.5	26.8
7	25.4	23.4	26.5	23.6	28.0	26.7	32.5	27.4	31.2	28.7	28.6	26.7
8	25.3	23.7	26.8	23.6	29.7	26.9	31.0	28.0	31.2	29.0	28.8	27.3
9	25.4	22.9	27.4	24.0	28.7	27.3	30.1	28.3	31.1	29.4	28.8	27.4
10	26.0	22.9	27.6	24.6	27.4	26.8	29.6	27.5	31.1	29.4	29.6	27.8
11	26.0	22.6	27.4	24.8	27.8	26.4	30.9	27.3	30.2	29.2	29.8	28.8
12	25.6	23.5	27.7	25.1	28.4	26.9	30.7	27.5	31.3	29.0	29.6	28.8
13	25.7	23.7	27.1	24.8	29.7	26.8	31.2	27.8	31.5	29.6	30.6	29.1
14	25.1	22.2	27.3	24.7	30.0	27.3	30.5	28.6	31.8	29.9	31.1	28.7
15	23.8	22.0	26.9	25.1	30.2	27.9	31.0	27.9	32.4	29.5	31.3	28.8
16	23.1	21.1	27.8	25.5	31.4	28.3	30.7	28.8	33.0	29.8	31.5	29.0
17	22.3	20.0	28.1	25.9	31.4	28.1	31.4	28.6	33.6	30.7	31.7	29.0
18	22.8	20.4	28.3	26.0	32.0	28.2	32.1	28.9	33.6	29.7	31.9	29.4
19	23.7	21.4	28.3	26.0	32.2	27.6	33.3	29.0	33.5	29.6	30.4	28.8
20	24.4	22.1	28.8	26.0	29.5	27.1	32.5	28.7	33.6	30.0	29.2	28.2
21	25.8	22.8	29.1	26.2	28.6	26.8	32.8	29.1	33.1	30.1	28.7	27.7
22	26.5	23.4	29.9	26.6	28.1	27.2	33.0	29.4	33.3	30.4	28.6	27.7
23	26.8	24.3	29.7	26.8	29.9	27.0	32.5	29.0	32.7	30.4	28.7	27.6
24	25.9	23.7	29.9	26.4	29.7	27.0	30.1	28.8	32.1	30.4	29.4	27.4
25	25.5	22.4	28.7	25.8	29.8	27.7	31.3	28.7	30.4	28.5	29.4	27.5
26	25.8	23.0	27.4	25.9	28.9	27.5	32.0	29.3	29.6	27.5	29.6	28.3
27	26.0	24.1	28.2	26.0	28.8	27.4	31.4	29.0	30.0	28.6	29.8	28.8
28	26.6	23.8	29.4	26.3	29.8	27.7	31.6	29.2	30.3	29.1	30.0	28.5
29	26.2	23.3	29.3	26.3	29.4	27.7	31.8	28.6	31.1	29.4	30.1	28.6
30	26.4	23.9	29.1	26.8	30.6	27.7	32.5	29.6	31.9	28.4	30.1	28.8
31	---	---	28.4	26.2	---	---	31.8	28.5	31.8	27.8	---	---
MONTH	26.8	19.5	29.9	23.6	32.2	26.0	33.3	27.0	33.6	27.5	32.5	26.7
YEAR	33.6	16.2										

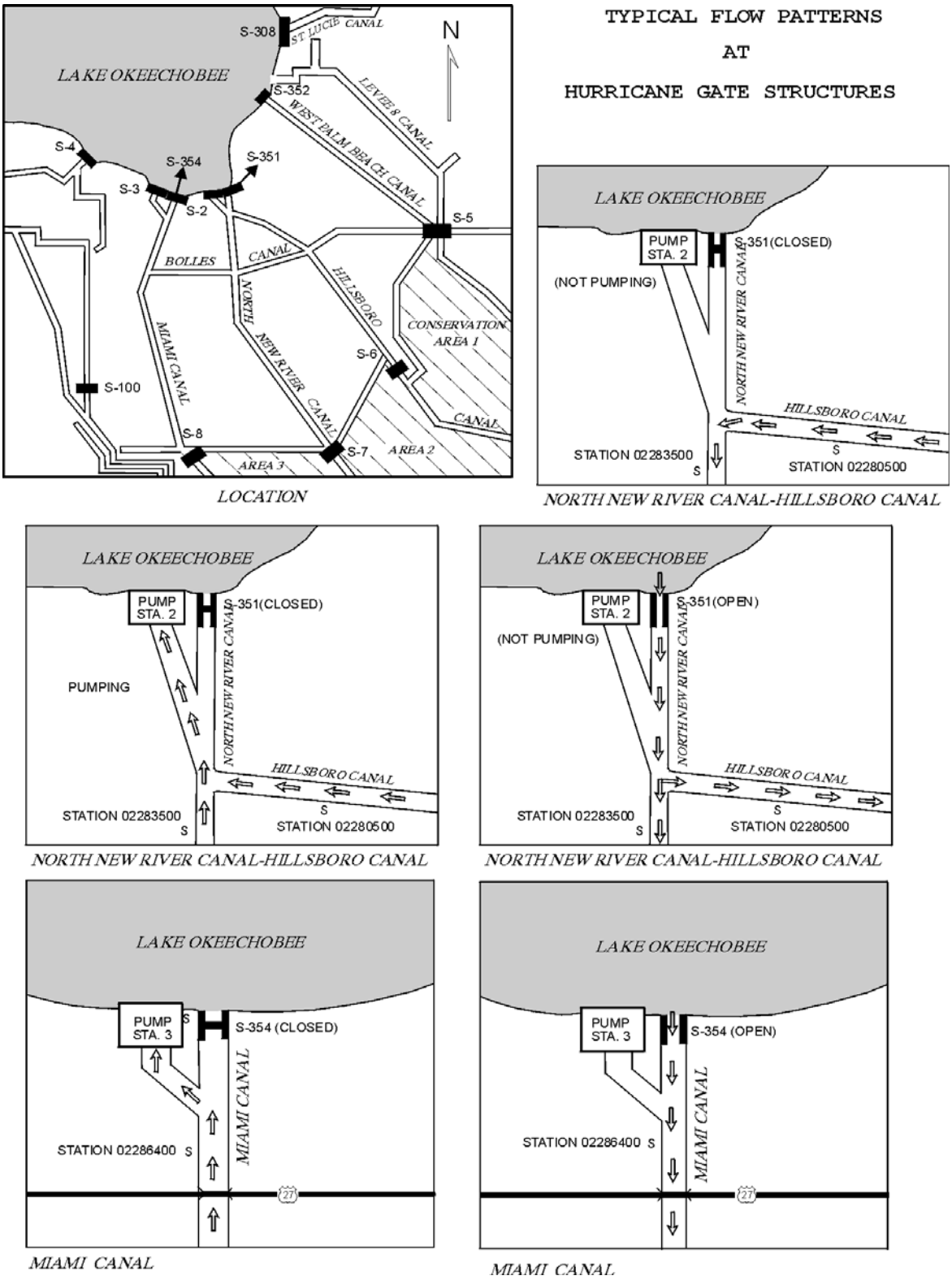

Figure 18. Typical flow patterns at Lake Okeechobee Control Structure.

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL

LOCATION.--Lat 26 51'05", long 80 37'55", in NE 1/4 sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, in the instrumentation house of gate structure 352 at Lake Okeechobee, 200 ft upstream from bridge on U.S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1940 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to January 14, 1954, nonrecording lake gage at site 550 ft downstream at same datum. January 14, 1954 to February 24, 1956, lake water-stage recorder, and February 25, 1956, to September 30, 1967, canal water-stage and deflection vane recorders all at present site and datum. May 1940, auxiliary water-stage recorder at old lock, 700 ft downstream from gate structures replaced on May 1, 1995, by data collection platform at structure. August 1986 to December 1989, electromagnetic velocity meter. Digital water-stage recorder removed and satellite data collection platform installed January 14, 1992.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated at station by operation of gates. Flow was occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades (negative figures indicate flow reversed), since vertical lift gates replaced HGS-5, reverse flow is not expected. Discharge computed from relations between discharge, head, and gate openings at gate structure S-352. Discharge and lake gage height formerly published as West Palm Beach Canal at HGS-5, at Canal Point. Canal gage height prior to 1997 water year, formerly published as West Palm Beach Canal below S-352, at Canal Point under 02278002.

COOPERATION.--Gate record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 61 complete water years of discharge (1941-89, 1992-97, 1999-2000, 2002-2005).

EXTREME LAKE STAGES FOR PERIOD OF RECORD.--Maximum gage height, 20.84 ft Sept. 25, 2004; minimum observed, 8.33 ft May 22, 2001.

EXTREME LAKE STAGES FOR CURRENT YEAR.--Maximum gage height, 18.40 ft Oct. 15; minimum, 13.26 ft May 25.

EXTREME CANAL STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.70 ft Oct. 12, 1947; minimum, 5.80 ft Sept. 5, 2004.

EXTREME CANAL STAGES FOR CURRENT YEAR.--Maximum gage height, 12.64 ft June 4; minimum, 8.64 ft Oct.15.

LAKE
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	17.00	16.12	15.57	15.26	15.08	15.44	14.66	14.02	15.98	16.15	15.76
2	---	16.96	16.10	15.56	15.24	14.95	15.66	14.69	14.18	16.09	16.13	15.82
3	---	16.93	16.09	15.58	15.21	14.85	15.64	14.61	14.31	16.14	16.12	15.82
4	---	16.90	16.04	15.57	15.26	14.89	15.53	14.69	14.50	16.17	16.13	15.76
5	---	16.90	16.05	15.56	15.27	14.92	15.45	14.70	14.60	16.19	16.19	15.81
6	---	16.85	16.00	15.56	15.15	14.93	15.40	14.76	14.71	16.21	16.18	15.91
7	17.87	16.77	15.97	15.55	15.12	14.87	15.41	14.66	14.83	16.22	16.20	15.94
8	17.93	16.71	15.96	15.56	15.10	14.95	15.58	14.58	14.88	16.13	16.18	16.01
9	17.97	16.64	15.93	15.54	15.06	15.00	15.57	14.56	14.86	16.00	16.15	15.97
10	17.97	16.46	15.95	15.52	15.16	15.09	15.50	14.53	14.76	16.25	16.14	15.84
11	17.97	16.44	16.12	15.48	15.19	15.06	15.40	14.46	14.99	16.45	16.11	15.81
12	17.97	16.44	15.94	15.45	15.01	15.07	15.40	14.40	15.13	16.52	16.08	15.81
13	18.02	16.42	15.87	15.38	14.91	15.03	15.50	14.34	15.20	16.56	16.07	15.83
14	17.96	16.37	15.92	15.48	14.88	15.01	15.53	14.32	15.23	16.59	16.05	15.79
15	17.95	16.32	15.96	15.62	14.87	15.01	15.46	14.28	15.27	16.57	16.03	15.76
16	17.89	16.35	15.70	15.72	14.86	15.00	15.41	14.29	15.30	16.58	15.97	15.71
17	17.75	16.35	15.66	15.69	14.89	15.18	15.40	14.26	15.34	16.57	15.94	15.66
18	17.67	16.30	15.63	15.62	14.85	15.49	15.25	14.23	15.37	16.57	15.90	15.62
19	17.65	16.27	15.72	15.53	14.75	15.44	15.08	14.17	15.36	16.56	15.86	15.55
20	17.62	16.26	15.70	15.53	14.68	15.41	15.04	14.12	15.37	16.57	15.80	15.38
21	17.62	16.25	15.53	15.49	14.71	15.42	15.01	14.14	15.40	16.55	15.76	15.43
22	17.56	16.23	15.48	15.45	14.73	15.43	14.95	14.06	15.45	16.55	15.71	15.46
23	17.50	16.19	15.52	15.51	14.69	15.54	14.97	13.99	15.47	16.56	15.67	15.50
24	17.46	16.17	15.57	15.54	14.69	15.53	15.05	14.02	15.52	16.54	15.67	15.48
25	17.41	16.29	15.59	15.39	14.79	15.53	14.87	13.98	15.57	16.45	15.65	15.48
26	17.35	16.25	15.90	15.39	14.82	15.51	14.78	13.93	15.57	16.40	15.45	15.48
27	17.27	16.15	15.73	15.37	14.86	15.53	14.89	14.03	15.64	16.35	15.63	15.48
28	17.22	16.19	15.62	15.29	15.00	15.72	14.85	14.07	15.73	16.30	15.67	15.47
29	17.18	16.16	15.59	15.26	---	15.63	14.69	14.01	15.79	16.21	15.69	15.49
30	17.13	16.12	15.58	15.31	---	15.51	14.60	13.92	15.88	16.18	15.70	15.43
31	17.06	---	15.56	15.30	---	15.45	---	13.93	---	16.17	15.74	---
TOTAL	---	493.64	490.10	480.37	419.01	472.03	457.31	443.39	454.23	507.18	493.72	470.26
MEAN	---	16.45	15.81	15.50	14.96	15.23	15.24	14.30	15.14	16.36	15.93	15.68
MAX	---	17.00	16.12	15.72	15.27	15.72	15.66	14.76	15.88	16.59	16.20	16.01
MIN	---	16.12	15.48	15.26	14.68	14.85	14.60	13.92	14.02	15.98	15.45	15.38

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL—Continued

CANAL
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.98	10.71	10.42	10.98	10.77	9.66	10.22	11.83	11.22	9.69	11.52	10.60
2	10.94	10.71	10.71	10.85	10.69	10.08	10.21	11.64	11.15	9.56	11.02	10.17
3	9.85	10.78	10.77	10.83	10.78	10.45	10.25	11.38	11.43	10.66	9.99	9.72
4	9.94	10.90	10.93	11.04	11.28	10.25	10.17	11.15	11.99	11.11	9.33	10.16
5	9.86	10.70	10.86	11.05	11.21	9.54	10.21	11.37	12.10	11.09	9.46	9.95
6	10.50	10.92	10.62	10.99	11.27	9.98	10.36	10.58	11.08	10.53	9.90	10.18
7	10.39	10.67	10.71	11.03	11.21	10.43	10.39	10.57	9.98	9.87	9.93	9.90
8	9.73	9.95	11.35	11.02	10.77	10.33	10.01	9.89	9.88	9.63	9.83	9.38
9	9.69	10.38	11.34	11.08	10.66	10.49	9.84	9.92	10.43	9.60	9.89	9.68
10	10.91	10.74	11.21	10.99	10.54	11.39	10.20	10.02	11.17	9.33	9.65	10.02
11	10.50	10.86	11.30	11.01	11.10	10.32	10.52	10.55	11.28	9.72	10.03	10.16
12	10.01	10.92	11.31	11.07	11.35	10.75	10.75	10.89	9.23	9.63	10.47	10.02
13	9.64	10.95	11.07	11.16	11.15	9.54	10.76	10.79	9.42	9.91	10.67	10.04
14	9.69	10.86	10.80	11.03	11.10	9.57	10.78	10.77	10.29	10.15	10.75	10.41
15	9.68	10.87	10.79	11.55	11.21	10.36	10.87	10.74	10.78	9.82	10.66	10.37
16	9.89	10.58	11.08	10.82	11.21	10.37	10.79	10.68	11.02	9.96	10.40	10.20
17	10.0	10.64	11.26	10.10	11.22	10.40	10.66	10.77	11.16	10.51	10.09	10.15
18	10.06	10.56	11.10	10.20	11.38	11.36	10.77	10.54	11.04	10.17	10.13	10.01
19	10.03	10.66	11.36	10.42	11.12	10.70	11.22	10.42	10.64	9.40	10.23	10.02
20	10.42	10.66	11.23	10.34	11.21	9.85	11.38	10.68	10.70	9.25	10.08	9.86
21	10.66	10.81	11.28	10.32	11.39	9.90	11.57	10.79	9.38	9.44	10.41	9.64
22	10.04	10.85	10.86	10.82	11.27	11.05	11.81	10.81	9.27	9.50	10.42	10.06
23	10.04	10.43	10.76	10.85	11.35	10.49	11.82	11.27	9.48	9.88	10.52	10.16
24	10.18	10.77	10.65	10.83	11.10	10.0	11.79	11.59	9.52	10.07	10.09	10.01
25	10.35	10.67	10.65	10.97	10.90	9.98	11.85	11.60	9.74	10.27	9.25	9.73
26	10.12	10.57	10.97	10.95	10.84	9.89	11.68	11.27	9.58	10.22	9.50	9.58
27	10.18	10.78	11.23	10.57	10.81	10.29	11.05	11.40	10.29	10.04	10.84	9.60
28	10.70	10.70	11.13	10.84	10.60	10.25	11.25	10.91	10.05	10.13	10.56	9.42
29	10.68	10.71	11.01	10.72	---	9.99	11.76	9.64	10.25	10.57	9.87	9.66
30	10.88	10.59	11.15	10.71	---	9.83	11.81	9.89	10.03	10.84	9.49	9.42
31	10.84	---	11.13	10.68	---	10.29	---	10.86	---	10.69	9.99	---
TOTAL	318.38	320.90	341.04	335.82	309.49	317.78	326.75	335.21	313.58	311.24	314.97	298.28
MEAN	10.27	10.70	11.00	10.83	11.05	10.25	10.89	10.81	10.45	10.04	10.16	9.94
MAX	11.98	10.95	11.36	11.55	11.39	11.39	11.85	11.83	12.10	11.11	11.52	10.60
MIN	9.64	9.95	10.42	10.10	10.54	9.54	9.84	9.64	9.23	9.25	9.25	9.38

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	233	439	104	297	0.00	111	776	0.00	0.00	0.00	0.00
2	0.00	395	618	178	339	0.00	87	640	0.00	0.00	307	0.00
3	0.00	500	676	267	390	0.00	0.00	405	0.00	0.00	172	0.00
4	0.00	557	498	441	513	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	542	149	345	392	0.00	131	0.00	0.00	0.00	0.00	0.00
6	0.00	407	210	334	365	0.00	206	0.00	0.00	0.00	0.00	0.00
7	0.00	102	436	354	220	0.00	297	0.00	0.00	0.00	0.00	0.00
8	0.00	230	672	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	316	632	287	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	535	590	300	17	0.00	0.00	125	0.00	0.00	0.00	0.00
11	0.00	644	681	355	522	0.00	448	560	0.00	0.00	0.00	0.00
12	0.00	796	627	329	438	0.00	588	581	0.00	0.00	0.00	0.00
13	0.00	718	336	168	231	0.00	508	510	0.00	0.00	0.00	327
14	0.00	185	428	0.00	389	0.00	437	514	0.00	0.00	0.00	299
15	0.00	0.00	533	0.00	510	0.00	579	593	0.00	0.00	0.00	243
16	0.00	319	690	0.00	489	0.00	380	555	0.00	0.00	0.00	185
17	0.00	206	684	0.00	473	0.00	329	608	0.00	0.00	131	108
18	0.00	86	724	0.00	446	0.00	599	474	0.00	0.00	259	178
19	177	246	409	0.00	489	0.00	795	592	0.00	0.00	0.00	60
20	294	320	517	0.00	508	0.00	779	735	0.00	0.00	166	0.00
21	90	295	516	104	447	0.00	829	644	0.00	0.00	240	0.00
22	0.00	190	445	469	347	0.00	894	652	0.00	238	0.00	0.00
23	0.00	272	209	386	406	0.00	893	848	0.00	458	0.00	0.00
24	0.00	178	76	486	166	0.00	869	961	0.00	479	0.00	0.00
25	0.00	5.9	0.00	538	0.00	0.00	856	917	0.00	441	0.00	0.00
26	0.00	144	0.00	220	0.00	0.00	781	388	0.00	135	0.00	213
27	290	284	0.00	131	0.00	0.00	285	0.00	0.00	369	0.00	122
28	568	135	0.00	336	0.00	0.00	422	0.00	0.00	491	0.00	0.00
29	425	153	96	94	---	0.00	774	0.00	0.00	614	0.00	0.00
30	351	313	267	80	---	135	824	362	0.00	412	0.00	0.00
31	229	---	126	279	---	329	---	79	---	105	0.00	---
TOTAL	2,424.00	9,306.90	12,284.00	6,905.00	8,394.00	464.00	13,701.00	12,519.00	0.00	3,742.00	1,275.00	1,735.00
MEAN	78.2	310	396	223	300	15.0	457	404	0.00	121	41.1	57.8
MAX	568	796	724	538	522	329	894	961	0.00	614	307	327
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	4,810	18,460	24,370	13,700	16,650	920	27,180	24,830	0.00	7,420	2,530	3,440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	92.1	172	223	217	220	229	323	308	98.1	37.5	85.7	21.6
MAX	803	507	739	1,007	637	610	840	743	703	706	1,156	1,183
(WY)	(2003)	(2003)	(2003)	(2003)	(1949)	(1949)	(1999)	(1965)	(1998)	(1992)	(1959)	(1959)
MIN	-350	-247	-77.0	-13.6	-80.6	-21.2	-99.6	-170	-1,130	-939	-528	-813
(WY)	(1951)	(1964)	(1964)	(1941)	(1941)	(1982)	(1962)	(1976)	(1942)	(1947)	(1953)	(1945)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	89,079.80		72,749.90			
ANNUAL MEAN	243		199		171	
HIGHEST ANNUAL MEAN					376	2003
LOWEST ANNUAL MEAN					-20.8	1962
HIGHEST DAILY MEAN	1,180	May 26	961	May 24	1,610	Oct 2, 1959
LOWEST DAILY MEAN	0.00	Jan 28	0.00	Oct 1	-1,760	Jun 15, 1942
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 31	0.00	Oct 1	-1,640	Jun 11, 1942
ANNUAL RUNOFF (AC-FT)	176,700		144,300		124,000	
10 PERCENT EXCEEDS	682		589		557	
50 PERCENT EXCEEDS	115		17		63	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

LOCATION.--Lat 26 55'01", long 80 36'49", in SE $^{1}/_{4}$ sec.10, T.41S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on west side of U.S. Highway 441 bridge, 3.6 mi northeast of Canal Point, and 4.8 mi south of Port Mayaca, at Sand Cut.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Flow regulated by gated structure at Lake Okeechobee. Flow reverses during and after periods of heavy rainfall because of pumpage into the canal from agricultural lands in the Everglades (negative figures indicate flow towards Lake Okeechobee).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 19 complete water years of discharge (1977-89, 1995, 1997-99, 2002, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.39 ft Oct. 19, 1995; minimum, 8.57 ft May 21, 2001 (estimated).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.24 ft Oct. 1; minimum, 13.07 ft Aug.28.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.18	15.03	16.02	15.60	15.18	15.09	15.34	14.74	14.05	16.14	15.97	15.74
2	18.12	15.03	16.00	15.57	15.17	14.89	15.53	14.73	14.24	16.18	16.02	15.81
3	18.04	14.95	16.00	15.53	15.17	14.78	15.47	14.63	14.46	16.23	15.99	15.81
4	18.01	14.92	15.93	15.54	15.16	14.89	15.39	14.74	14.75	16.25	15.98	15.74
5	17.96	14.84	15.88	15.47	15.12	14.86	15.34	14.80	14.82	16.27	16.06	15.81
6	17.78	14.78	15.86	15.49	15.07	14.84	15.29	14.79	14.87	16.28	16.05	15.91
7	17.87	14.72	15.85	15.46	15.06	14.84	15.32	14.67	14.99	16.28	16.06	15.99
8	17.50	14.89	15.84	15.54	15.06	14.93	15.47	14.60	14.99	16.13	16.06	16.06
9	16.85	15.09	15.82	15.57	15.10	14.92	15.46	14.58	14.93	15.85	16.03	16.00
10	16.07	14.73	15.85	15.54	15.16	15.07	15.33	14.56	14.86	15.31	16.07	15.85
11	15.86	14.41	15.97	15.49	15.14	15.06	15.32	14.48	15.09	14.81	16.04	15.81
12	15.85	14.33	15.81	15.43	14.99	15.07	15.35	14.41	15.22	14.81	15.97	15.81
13	15.55	14.98	15.77	15.41	14.93	15.03	15.42	14.34	15.27	15.42	15.94	15.82
14	16.05	15.81	15.81	15.50	14.91	14.94	15.44	14.33	15.28	15.59	15.91	15.77
15	15.96	15.98	15.71	15.65	14.89	14.99	15.33	14.31	15.30	---	15.89	15.68
16	15.82	15.95	15.60	15.74	14.90	14.99	15.23	14.29	15.31	15.66	15.87	15.62
17	15.72	16.23	15.58	15.68	14.89	15.17	15.20	14.29	15.37	15.46	15.95	15.53
18	15.94	16.21	15.66	15.59	14.85	15.48	15.17	14.24	15.37	15.34	15.82	15.52
19	16.19	16.16	15.65	15.57	14.75	15.42	15.10	14.20	15.36	15.28	15.76	15.45
20	16.12	16.15	15.61	15.57	14.70	15.37	15.03	14.18	15.40	16.09	15.72	15.31
21	16.11	16.13	15.48	15.55	14.76	15.41	15.02	14.18	15.43	16.35	15.66	15.34
22	15.99	16.11	15.44	15.51	14.75	15.43	15.01	14.10	15.43	16.35	15.63	15.38
23	15.58	16.11	15.44	15.50	14.70	15.52	15.04	14.06	15.42	16.38	15.59	15.42
24	14.66	16.08	15.47	15.47	14.70	15.48	15.05	14.12	15.49	16.39	15.22	15.40
25	14.11	16.15	15.59	15.27	14.82	15.44	14.92	14.05	15.57	16.32	14.36	15.38
26	14.89	16.09	15.90	15.29	14.84	15.39	14.86	13.98	15.60	16.26	13.97	15.37
27	15.19	16.03	15.71	15.28	14.94	15.45	14.88	14.07	15.71	16.18	13.54	15.38
28	15.18	16.06	15.59	15.21	15.06	15.64	14.83	14.11	15.81	16.16	13.90	15.39
29	15.21	16.02	15.56	15.18	---	15.61	14.75	14.01	15.88	16.11	14.78	15.47
30	15.14	16.01	15.53	15.24	---	15.45	14.70	13.95	16.00	16.01	15.49	15.41
31	15.03	---	15.55	15.22	---	15.37	---	13.95	---	15.96	15.61	---
TOTAL	502.53	465.98	487.48	479.66	418.77	470.82	455.59	444.49	456.27	---	482.91	468.98
MEAN	16.21	15.53	15.73	15.47	14.96	15.19	15.19	14.34	15.21	---	15.58	15.63
MAX	18.18	16.23	16.02	15.74	15.18	15.64	15.53	14.80	16.00	---	16.07	16.06
MIN	14.11	14.33	15.44	15.18	14.70	14.78	14.70	13.95	14.05	---	13.54	15.31

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-829	390	588	274	425	145	e439	363	147	-298	578	269
2	-661	385	597	323	422	358	e504	342	65	-2.9	478	221
3	-439	392	555	413	404	331	e480	357	-356	9.7	496	218
4	-232	393	570	391	428	44	e469	248	-548	101	517	223
5	-199	381	577	488	443	e396	e448	222	-483	155	504	128
6	101	382	578	467	420	416	454	288	-405	163	485	41
7	-22	379	568	504	413	348	459	317	-368	164	474	10
8	-34	359	560	385	362	365	454	352	-254	123	496	77
9	-12	338	545	281	e190	e327	444	349	-163	48	465	130
10	-6.8	355	556	287	296	e207	487	308	-225	106	411	192
11	4.5	385	596	315	247	290	417	e353	-202	113	415	262
12	-4.1	392	547	377	269	267	382	e339	-122	274	473	299
13	-13	329	530	298	224	267	465	329	-75	360	501	e314
14	0.29	209	494	282	212	419	419	348	105	343	498	379
15	-3.3	161	532	111	260	241	e393	348	217	315	505	e420
16	-1.4	393	502	e-11	216	333	453	360	261	e333	455	438
17	1.2	573	492	6.7	227	261	476	314	229	359	193	480
18	-0.32	570	332	41	227	143	407	296	270	380	427	448
19	-4.6	603	459	119	266	241	393	295	312	388	438	403
20	-8.7	620	435	210	305	306	448	287	245	461	426	331
21	-7.8	613	425	74	227	237	435	303	178	589	452	426
22	-7.8	616	419	159	251	250	399	288	338	603	421	425
23	-12	585	474	298	308	268	398	318	354	585	423	437
24	-9.0	594	472	350	314	331	433	314	305	523	262	432
25	142	622	259	521	133	431	367	323	285	517	56	447
26	352	600	294	484	173	483	369	239	200	529	62	496
27	391	597	232	461	137	446	403	132	-81	568	59	465
28	397	601	338	429	58	457	382	182	-194	537	48	412
29	391	589	389	431	---	e291	371	276	-226	508	110	333
30	386	576	408	444	---	370	338	267	-256	566	135	315
31	397	---	320	433	---	e379	---	214	---	602	192	---
TOTAL	56.17	13,982	14,643	9,645.7	7,857	9,648	12,786	9,271	-447	10,021.8	11,455	9,471
MEAN	1.81	466	472	311	281	311	426	299	-14.9	323	370	316
MAX	397	622	597	521	443	483	504	363	354	603	578	496
MIN	-829	161	232	-11	58	44	338	132	-548	-298	48	10
AC-FT	111	27,730	29,040	19,130	15,580	19,140	25,360	18,390	-887	19,880	22,720	18,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)

MEAN	-75.9	9.37	84.9	93.9	71.9	63.4	125	134	-27.1	-76.0	-106	-115
MAX	365	466	472	452	407	352	426	349	227	323	370	316
(WY)	(1989)	(2005)	(2005)	(2003)	(2004)	(2004)	(2005)	(1987)	(1987)	(2005)	(2005)	(2005)
MIN	-564	-313	-182	-107	-177	-107	-226	-93.6	-377	-693	-599	-605
(WY)	(2001)	(1988)	(1978)	(1987)	(1994)	(1982)	(1991)	(1982)	(1991)	(1991)	(1997)	(1981)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005	
ANNUAL TOTAL	108,389.67			
ANNUAL MEAN	297		13.7	
HIGHEST ANNUAL MEAN			297	2005
LOWEST ANNUAL MEAN			-126	1997
HIGHEST DAILY MEAN	622	Nov 25	766	Apr 25, 1983
LOWEST DAILY MEAN	-829	Oct 1	-1,400	Sep 30, 1992
ANNUAL SEVEN-DAY MINIMUM	-368	Jun 3	-1,160	Sep 29, 1992
ANNUAL RUNOFF (AC-FT)	215,000		9,930	
10 PERCENT EXCEEDS	529		251	
50 PERCENT EXCEEDS	343		0.00	
90 PERCENT EXCEEDS	-2.0		-192	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26 41'05", long 80 22'15", in SW $^{1}/_{4}$ sec.32, T.43 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, near south bank, 500 ft upstream from pump station S-5A, 0.3 mi upstream from Levee 8 Canal, 1.1 mi downstream from bridge on U.S. Highway 441 and Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR FL-93-2A:1983.

GAGE.--Electronic data logger for the conservation area, satellite data collection platform with water-stage shaft encoder for West Palm Beach Canal, Moscad RF Data/Telemetry system operated by South Florida Water Management District for Levee 8 Canal. Satellite data collection platform for Levee 8 Canal discontinued on November 19, 2001. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to September 30, 1967, deflection vane recorder at same site and auxiliary water-stage recorder at control structure 5A-W, 0.3 mi downstream. Prior to October 1, 1981, datum of gage is 0.24 ft higher, from October 1, 1981 to June 22, 1994, datum of gage is -.19 ft lower and from June 22, 1994 to October 1, 2001 datum of gage is .11 ft higher than present datum. The change in datum is based upon an adjustment to FCE 790 benchmark elevation surveyed by South Florida Water Management District.

REMARKS.--Records fair. Flow regulated primarily by pumpage at S-5A and to a lesser extent by operation of control structure 5A-W. Major regulation above the station occurs in Cross Canal, 1.5 mi upstream, and at Lake Okeechobee, 20 mi upstream. Discharge is the difference between pumpage at S-5A and gate discharge at S-5A-W. Negative figures indicate flow to the west. See records on Diversions to Conservation Area No. 1 at S-5A, near Loxahatchee (station 02278500; pump station S-5A, upper), for table of daily gage height and extremes for period of record. Starting in water year 2001, negative discharge from control structure S-5A-W is considered estimated due to updated information provided to the U.S. Geological Survey. Prior negative discharges are not marked estimated in the files or databases of U.S. Geological Survey. Estimated discharge does not necessarily indicate negative discharge through control structure S-5A-W.

COOPERATION.--Gate-opening, pump records and supplemental stage data provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 48 complete water years of discharge (1958-2005).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,220	151	396	0.00	0.00	311	0.00	297	2,300	1,400	168	523
2	3,280	287	247	0.00	0.00	0.00	0.00	305	3,050	494	672	560
3	2,360	165	548	0.00	0.00	231	0.00	309	3,610	0.00	508	317
4	2,010	0.00	0.00	0.00	85	1,180	0.00	470	4,130	0.00	0.00	374
5	1,380	275	0.00	0.00	0.00	0.00	0.00	2,700	3,910	0.00	0.00	378
6	1,490	0.00	0.00	0.00	0.00	0.00	0.00	1,510	3,010	0.00	0.00	610
7	2,750	0.00	0.00	0.00	0.00	0.00	220	503	2,160	0.00	0.00	527
8	1,970	457	0.00	0.00	124	633	352	272	883	395	0.00	272
9	680	-179	350	0.00	0.00	1,170	0.00	0.00	314	691	0.00	0.00
10	0.00	149	565	0.00	0.00	3,050	0.00	0.00	638	383	0.00	0.00
11	864	0.00	577	0.00	0.00	1,850	269	211	1,880	383	0.00	0.00
12	765	489	378	0.00	0.00	867	284	124	1,090	291	0.00	0.00
13	554	0.00	253	0.00	0.00	627	225	279	402	0.00	0.00	0.00
14	253	0.00	372	0.00	0.00	0.00	263	128	0.00	507	0.00	0.00
15	356	118	277	928	0.00	42	286	273	0.00	593	0.00	0.00
16	0.00	282	453	e832	0.00	248	0.00	334	0.00	0.00	0.00	0.00
17	0.00	217	568	566	0.00	926	0.00	231	0.00	0.00	0.00	0.00
18	0.00	0.00	636	0.00	0.00	2,780	330	263	0.00	572	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	1,940	360	200	0.00	284	0.00	0.00
20	0.00	0.00	428	0.00	0.00	1,090	0.00	238	528	0.00	0.00	497
21	0.00	0.00	308	0.00	0.00	233	0.00	267	570	0.00	0.00	0.00
22	582	0.00	728	0.00	0.00	434	291	244	0.00	0.00	0.00	0.00
23	0.00	272	0.00	0.00	0.00	666	277	278	140	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	444	286	244	400	0.00	846	0.00
25	0.00	0.00	0.00	0.00	935	0.00	281	281	0.00	0.00	605	0.00
26	0.00	0.00	0.00	0.00	1,180	0.00	276	283	0.00	0.00	206	0.00
27	0.00	0.00	0.00	0.00	1,160	0.00	290	459	1,010	0.00	0.00	135
28	201	0.00	0.00	0.00	875	269	304	634	1,460	0.00	799	49
29	275	0.00	0.00	0.00	---	0.00	280	413	1,700	0.00	424	357
30	0.00	278	0.00	0.00	---	0.00	295	174	1,700	0.00	315	217
31	0.00	---	0.00	0.00	---	0.00	---	542	---	0.00	0.00	---
TOTAL	23990.0											
0	2,961.00	7,084.00	2,326.00	4,359.00	18,991.00	5,169.00	12,466.00	34,885.00	5,993.00	4,543.00	4,816.00	
MEAN	774	98.7	229	75.0	156	613	172	402	1,163	193	147	161
MAX	4,220	489	728	928	1,180	3,050	360	2,700	4,130	1,400	846	610
MIN	0.00	-179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	47,580	5,870	14,050	4,610	8,650	37,670	10,250	24,730	69,190	11,890	9,010	9,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	501	262	231	329	270	297	230	289	525	527	674	786
MAX	1,713	1,381	1,200	2,149	1,321	1,588	840	1,174	1,865	1,309	1,894	2,497
(WY)	(2000)	(1988)	(2003)	(1958)	(1983)	(1970)	(1960)	(1976)	(1968)	(1988)	(1959)	(2004)
MIN	-408	-230	-242	-148	-180	-69.3	-165	-381	-101	-98.8	-162	-107
(WY)	(1989)	(1990)	(1985)	(1985)	(1985)	(1975)	(1986)	(1983)	(1987)	(1979)	(1984)	(1970)

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	214,142.40		127,583.00			
ANNUAL MEAN	585		350		411	
HIGHEST ANNUAL MEAN					719	2003
LOWEST ANNUAL MEAN					150	1990
HIGHEST DAILY MEAN	5,000	Sep 28	4,220	Oct 1	5,230	Mar 27, 1970
LOWEST DAILY MEAN	-179	Nov 9	-179	Nov 9	-967	Jun 3, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 29	0.00	Dec 23	-624	Jun 6, 1984
ANNUAL RUNOFF (AC-FT)	424,800		253,100		297,600	
10 PERCENT EXCEEDS	1,680		900		1,380	
50 PERCENT EXCEEDS	274		0.00		120	
90 PERCENT EXCEEDS	0.00		0.00		-45	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02278500 DIVERSIONS TO CONSERVATION AREA N0. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26 41'00", long 80 22'10", in SW $^{1}/_{4}$ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

GAGE.--Electronic data logger for the conservation area, satellite data collection platform with water-stage shaft encoder for West Palm Beach Canal. Moscad RF Data/Telemetry system operated by South Florida Water Management District for Levee 8 Canal. Satellite data collection platform for Levee 8 Canal discontinued on November 19, 2001. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District benchmark). Prior to September 30, 1967, auxiliary deflection vane recorder 500 ft upstream and in Levee 8 Canal, and auxiliary water-stage recorder upstream from S-5A-W and downstream from S-5A-E. Prior to October 1, 1981, datum of gage is 0.24 ft higher, from October 1, 1981 to June 22, 1994, datum of gage is -0.19 ft lower and from June 22, 1994 to October 1, 2001, datum of gage is 0.11 ft higher than present datum. The change in datum is based upon an adjustment to FCE 790 benchmark elevation surveyed by South Florida Water Management District.

REMARKS.--No estimated daily discharges. Records fair. Normal flow is considered as that to the south into Conservation Area No. 1. Flow is controlled by S-5A pumpage, siphoning, gate operation of S-5A-S, and regulation of Cross Canal, 1.5 mi upstream, and gate structure S-352, 20 mi upstream. Negative figures indicate releases from gate S-5A-S when stage in the conservation area is higher than stage in Levee 8 Canal. The discharge is summation of S-5A pumpage, siphoning and S-5A-S gate flow. Stage determined from either of 2 sources, digital recorder at 02278500 or DCP stage from 02278520 station. Digital recorder discontinued on January 14, 1999. Starting October 1, 2001 the datum of all the gages is 0.11 ft higher. No corrections to previous years were deemed necessary. See GAGE.

COOPERATION.--Gate-opening, pump records and supplemental stage record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 48 complete water years of discharge (1958-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.18 ft present datum, Oct. 3, 1957; minimum, 6.78 ft present datum, Oct. 28, 1981. See GAGE.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.24 ft Aug. 1; minimum, 8.99 ft Oct. 2,9,11, and Aug. 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.27	10.85	10.30	11.24	11.00	10.04	10.46	11.43	10.85	9.71	11.88	10.49
2	9.22	10.73	10.44	11.10	10.91	10.47	10.61	11.56	10.20	9.86	10.93	10.14
3	9.18	10.76	10.27	11.06	10.96	10.69	10.67	11.34	9.71	10.93	10.16	9.88
4	9.41	10.88	10.98	11.18	11.41	10.17	10.50	11.33	9.71	11.37	9.68	10.38
5	9.70	10.65	11.10	11.27	11.47	9.88	10.44	10.18	9.75	11.35	9.83	10.13
6	10.09	11.07	10.83	11.20	11.51	10.32	10.51	10.41	9.63	10.80	10.30	10.31
7	9.38	10.98	10.74	11.22	11.51	10.74	10.39	10.73	9.30	10.13	10.33	10.09
8	9.27	9.99	11.22	11.27	11.09	10.54	10.29	10.10	10.02	9.70	10.21	9.69
9	9.77	10.49	11.10	11.34	10.99	10.40	10.21	10.19	10.59	9.48	10.24	10.08
10	11.16	10.62	10.88	11.23	10.98	10.12	10.53	10.27	11.12	9.53	9.98	10.38
11	10.31	10.71	10.97	11.19	11.26	9.95	10.39	10.39	10.70	9.94	10.38	10.52
12	9.90	10.27	11.12	11.26	11.59	11.00	10.57	10.79	9.29	9.88	10.79	10.39
13	9.69	10.72	11.15	11.28	11.40	9.74	10.83	10.75	9.65	10.21	11.03	10.22
14	9.86	11.05	10.69	11.34	11.28	9.87	10.92	10.72	10.55	10.33	11.09	10.70
15	9.86	11.07	10.82	11.66	11.34	10.65	10.85	10.53	11.06	10.01	11.01	10.69
16	10.19	10.58	10.67	10.96	11.39	10.57	11.01	10.58	11.33	10.28	10.72	10.53
17	10.26	10.82	10.96	10.40	11.44	10.32	10.95	10.60	11.43	10.81	10.37	10.47
18	10.29	10.81	10.74	10.60	11.57	9.97	10.59	10.50	11.32	10.32	10.39	10.31
19	10.20	10.85	11.58	10.78	11.21	10.08	10.81	10.23	10.94	9.65	10.57	10.35
20	10.58	10.81	11.14	10.71	11.27	9.76	11.11	10.30	10.77	9.57	10.37	9.93
21	10.89	10.99	11.20	10.61	11.54	10.03	11.25	10.54	9.56	9.77	10.68	9.88
22	10.12	11.07	10.55	10.95	11.52	10.98	11.27	10.53	9.57	9.70	10.75	10.35
23	10.32	10.43	10.97	11.12	11.54	10.51	11.26	10.74	9.76	10.03	10.82	10.47
24	10.49	10.92	10.96	11.02	11.38	10.08	11.28	11.02	9.78	10.21	10.03	10.33
25	10.65	10.98	10.95	11.12	10.96	10.26	11.36	11.12	10.03	10.44	9.40	10.04
26	10.42	10.79	11.42	11.25	10.84	10.17	11.27	11.27	9.88	10.50	9.63	9.83
27	10.29	10.95	11.62	10.86	10.83	10.56	11.10	11.45	10.41	10.24	11.07	9.87
28	10.57	10.98	11.47	11.01	10.83	10.53	11.18	11.14	10.12	10.27	10.52	9.72
29	10.67	10.96	11.28	10.96	---	10.34	11.32	9.95	10.34	10.58	9.95	9.89
30	11.05	10.67	11.35	11.03	---	10.12	11.20	9.71	10.17	10.98	9.68	9.68
31	11.07	---	11.37	10.95	---	10.51	---	10.95	---	11.01	10.26	---
TOTAL	314.13	323.45	340.84	343.17	315.02	319.37	325.13	331.35	307.54	317.59	323.05	305.74
MEAN	10.13	10.78	10.99	11.07	11.25	10.30	10.84	10.69	10.25	10.24	10.42	10.19
MAX	11.16	11.07	11.62	11.66	11.59	11.00	11.36	11.56	11.43	11.37	11.88	10.70
MIN	9.18	9.99	10.27	10.40	10.83	9.74	10.21	9.71	9.29	9.48	9.40	9.68

02278500 DIVERSIONS TO CONSERVATION AREA N0. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,710	55	157	203	0.00	16	-44	13	2,220	1,400	191	523
2	3,890	203	53	190	0.00	8.9	-54	8.9	3,050	494	672	560
3	3,120	104	295	54	0.00	217	-37	3.0	3,610	0.00	508	317
4	2,810	-64	-93	0.00	12	955	-66	192	4,130	0.00	0.00	374
5	2,160	133	0.00	0.00	-58	0.00	-33	2,680	3,910	0.00	0.00	378
6	2,120	-108	103	130	-52	0.00	-28	1,510	3,010	0.00	0.00	610
7	3,480	-71	285	122	-36	0.00	83	503	2,160	0.00	0.00	527
8	2,670	328	398	43	-6.6	633	67	272	883	395	0.00	272
9	1,180	0.00	604	-122	0.00	1,170	-64	0.00	314	691	0.00	0.00
10	273	-21	714	-64	0.00	3,050	25	-2.1	638	383	0.00	0.00
11	933	-180	577	-47	0.00	1,720	47	89	1,880	383	0.00	0.00
12	765	232	174	-45	0.00	392	141	-64	1,090	291	0.00	0.00
13	554	0.00	20	-45	0.00	231	33	111	402	0.00	0.00	0.00
14	253	0.00	127	12	0.00	-93	43	-63	0.00	507	0.00	0.00
15	356	-97	144	928	0.00	46	31	21	0.00	593	0.00	0.00
16	0.00	97	483	e832	0.00	98	22	97	0.00	0.00	0.00	0.00
17	0.00	71	689	566	0.00	682	94	-7.6	0.00	0.00	0.00	0.00
18	0.00	-12	736	17	0.00	2,690	140	23	0.00	572	0.00	0.00
19	0.00	-78	328	7.1	0.00	1,740	105	80	0.00	284	0.00	0.00
20	0.00	-150	674	0.00	0.00	805	-14	-70	528	0.00	0.00	497
21	0.00	-194	658	0.00	0.00	30	0.00	-17	570	0.00	0.00	0.00
22	339	-184	984	0.00	0.00	166	53	-24	0.00	0.00	2.8	0.00
23	-171	3.9	342	0.00	0.00	481	-18	71	140	0.00	0.00	0.00
24	-142	-98	129	365	0.00	384	12	6.5	400	0.00	846	0.00
25	-86	-71	0.00	119	834	0.00	-2.6	-15	0.00	0.00	605	0.00
26	0.00	-64	0.00	0.00	904	-124	-24	8.6	0.00	0.00	206	0.00
27	0.00	-78	186	1.2	832	-127	-0.20	126	1,010	0.00	0.00	135
28	77	-114	253	0.00	420	84	14	504	1,460	1.3	357	55
29	141	-82	192	0.00	---	0.00	6.6	161	1,700	9.2	127	357
30	-16	67	163	0.00	---	0.00	-25	-49	1,700	76	315	217
31	-77	---	196	0.00	---	0.00	---	494	---	52	0.00	---
TOTAL												
29339.0												
0	-372.10	9,571.00	3,266.30	2,849.40	15,254.90	506.80	6,662.30	34,805.00	6,131.50	3,829.80	4,822.00	
MEAN	946	-12.4	309	105	102	492	16.9	215	1,160	198	124	161
MAX	4,710	328	984	928	904	3,050	141	2,680	4,130	1,400	846	610
MIN	-171	-194	-93	-122	-58	-127	-66	-70	0.00	0.00	0.00	0.00
AC-FT	58,190	-738	18,980	6,480	5,650	30,260	1,010	13,210	69,040	12,160	7,600	9,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	608	243	158	255	180	215	133	240	538	509	667	863
MAX	2,528	1,719	1,229	2,605	1,478	1,992	820	1,440	2,750	1,592	1,816	2,711
(WY)	(1996)	(1988)	(2003)	(1958)	(1983)	(1970)	(1991)	(1984)	(1968)	(1968)	(2003)	(2004)
MIN	-204	-870	-537	-460	-456	-144	-326	-184	-300	-136	-141	18.2
(WY)	(1981)	(1992)	(1992)	(1984)	(1987)	(1999)	(1995)	(1994)	(1989)	(1989)	(1984)	(1961)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	205,222.70		116,665.90			
ANNUAL MEAN	561		320		385	
HIGHEST ANNUAL MEAN					720	2003
LOWEST ANNUAL MEAN					111	1971
HIGHEST DAILY MEAN	5,480	Sep 27	4,710	Oct 1	7,040	Mar 28, 1970
LOWEST DAILY MEAN	-197	Mar 20	-194	Nov 21	-2,200	Apr 27, 1982
ANNUAL SEVEN-DAY MINIMUM	-131	Mar 4	-110	Nov 19	-1,570	Nov 23, 1991
ANNUAL RUNOFF (AC-FT)	407,100		231,400		278,800	
10 PERCENT EXCEEDS	1,740		861		1,490	
50 PERCENT EXCEEDS	138		8.9		0.00	
90 PERCENT EXCEEDS	-77		-45		-66	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

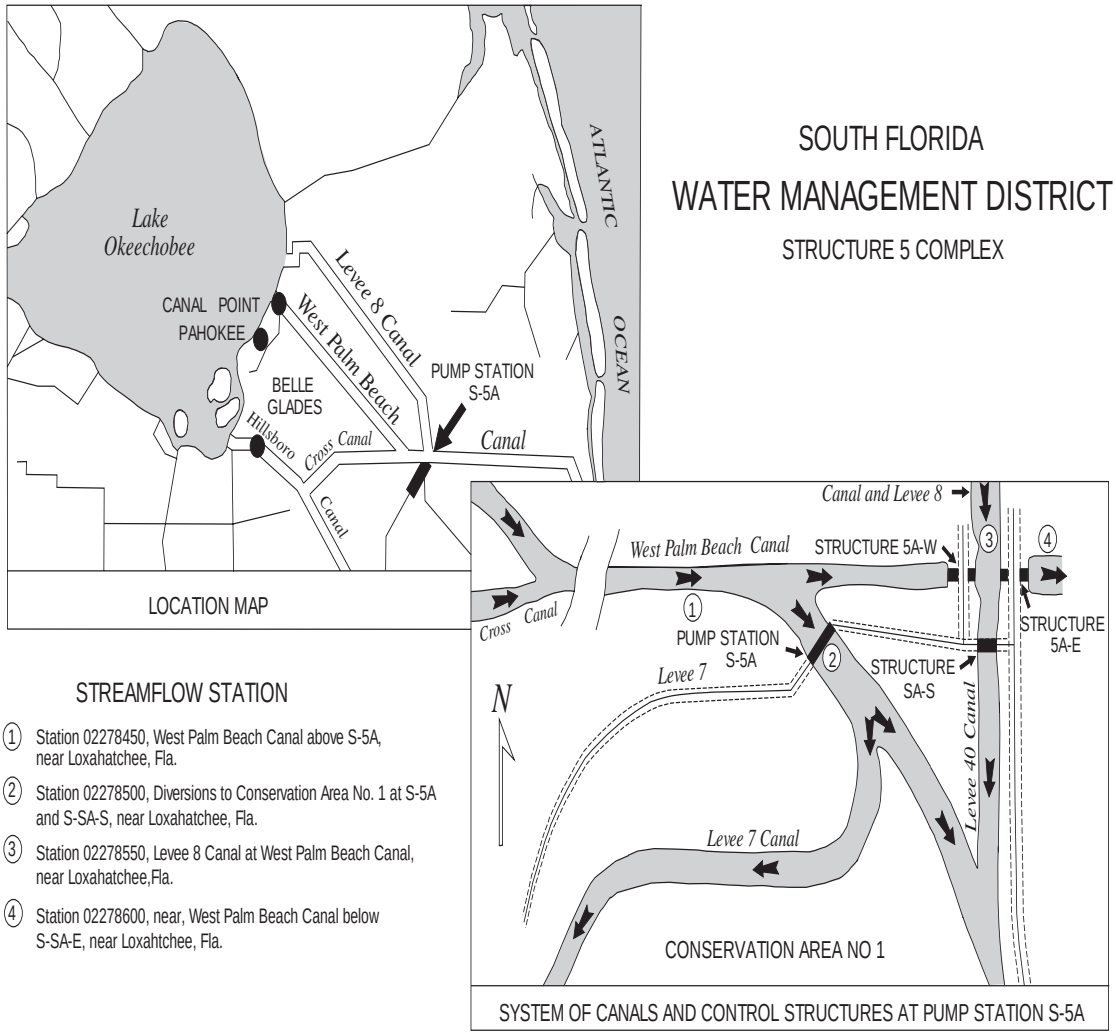

Figure 19. South Florida Water Management District, Structure 5 Complex.

02278501 CONSERVATION AREA NO. 1 BELOW S-5 COMPLEX, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26 41'00", long 80 22'10", in SW $^{1}/_{4}$ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1955 to current year (gage heights only).

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench marks). Prior to October 1, 1981, datum of gage is 0.24 ft higher, from October 1, 1981 to June 22, 1994, datum of gage is -0.19 ft lower and from June 22, 1994 to October 1, 2001, datum of gage is 0.11 ft higher than present datum. The change in datum is based upon an adjustment to FCE 790 benchmark elevation surveyed by South Florida Water Management District.

REMARKS.--Gage records water level in Conservation Area No. 1 at structure 5 complex. Stage is affected by pumping at S-5A and S-6 and the operation of gated-control structures in levees 39 and 40. Discharge for S-5A-S is stored under this station number in the U.S. Geological Survey's database starting 1991 water year. Records of gage height prior to October 1967 are available from the files of the U.S. Geological Survey.

COOPERATION.--Supplemental stage record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.04 ft present datum, Oct. 18 1999; minimum, 8.18 ft present datum, Apr. 20, 24, 1956. See GAGE.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.58 ft June 11; minimum, 11.37 ft Aug. 20, 21, and Sept. 19.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.00	14.32	15.72	13.14	13.23	14.94	13.70	13.97	16.08	17.64	13.32	13.22
2	17.95	15.57	15.61	13.10	13.24	14.05	13.52	14.43	16.69	16.58	13.61	13.48
3	17.87	16.79	15.57	12.43	13.25	14.09	13.73	14.16	16.83	13.25	12.99	12.93
4	17.67	16.34	13.63	11.67	13.64	15.03	13.55	14.42	16.93	12.91	12.15	12.99
5	16.28	16.29	13.15	11.65	13.56	13.18	13.67	16.38	16.99	12.44	11.73	13.11
6	15.43	15.88	12.82	12.79	13.56	12.78	13.34	15.99	16.91	11.72	11.60	13.50
7	17.77	13.62	12.68	13.42	13.84	12.56	13.58	15.70	16.84	11.50	11.56	13.60
8	17.43	15.87	12.56	14.75	14.21	13.29	14.37	15.71	17.12	12.40	11.54	13.14
9	14.76	16.95	13.18	15.24	14.13	14.52	13.64	15.46	16.36	13.27	11.52	12.03
10	12.93	16.46	14.01	15.18	13.95	16.64	13.23	15.14	13.94	13.29	11.52	11.65
11	13.72	14.91	15.23	14.89	13.80	16.67	14.52	15.13	16.42	12.99	11.53	11.53
12	13.12	14.79	15.97	14.49	13.64	16.74	14.41	15.29	17.75	12.77	11.54	11.50
13	12.83	16.52	15.39	14.65	13.53	14.97	14.28	14.64	16.39	12.25	11.55	11.47
14	13.11	16.35	14.20	14.88	13.46	13.25	14.64	15.09	13.17	13.07	11.54	11.45
15	14.02	16.09	13.71	13.82	13.42	13.72	14.73	14.32	12.73	13.28	11.53	11.43
16	13.90	15.83	13.46	13.33	13.38	14.36	13.33	14.56	12.54	12.30	11.47	11.42
17	14.01	16.63	14.08	12.91	13.30	15.62	13.27	14.57	12.46	11.68	11.46	11.41
18	13.96	16.50	15.30	12.02	13.23	17.54	14.37	14.60	12.40	13.01	11.43	11.40
19	13.94	15.27	14.09	13.02	13.20	17.42	14.51	14.92	12.37	12.78	11.40	11.40
20	13.96	12.86	14.43	13.55	13.17	16.96	14.80	14.90	13.11	11.87	11.38	12.67
21	13.98	12.88	13.91	13.77	13.15	15.62	15.57	14.49	13.72	11.58	11.42	12.14
22	15.86	12.70	14.10	13.67	13.13	14.98	14.72	14.43	12.85	11.49	11.49	12.00
23	15.42	13.48	13.30	13.59	13.11	16.31	14.35	13.36	12.71	11.45	11.43	11.92
24	14.16	12.72	12.68	13.36	13.10	14.38	14.14	13.79	13.09	11.45	13.29	11.84
25	12.86	12.78	11.79	12.96	14.78	13.25	14.25	13.71	11.66	11.44	13.32	11.78
26	13.01	12.76	11.93	12.97	15.74	13.70	14.03	13.80	11.46	11.42	12.95	11.77
27	13.28	12.70	12.53	13.07	15.63	13.68	14.00	14.52	13.58	11.40	12.49	12.06
28	14.56	12.77	13.17	13.13	15.73	14.89	14.00	15.45	16.84	11.43	14.03	12.02
29	15.47	12.90	13.11	13.16	---	15.33	13.69	14.67	17.66	11.48	13.65	12.56
30	16.11	14.87	12.89	13.19	---	14.88	13.90	13.32	17.59	12.29	12.88	12.26
31	14.91	---	13.02	13.21	---	14.33	---	13.30	---	12.38	12.33	---
TOTAL	462.28	444.40	427.22	417.01	385.11	459.68	421.84	454.22	445.19	388.81	375.65	365.68
MEAN	14.91	14.81	13.78	13.45	13.75	14.83	14.06	14.65	14.84	12.54	12.12	12.19
MAX	18.00	16.95	15.97	15.24	15.74	17.54	15.57	16.38	17.75	17.64	14.03	13.60
MIN	12.83	12.70	11.79	11.65	13.10	12.56	13.23	13.30	11.46	11.40	11.38	11.40

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26 41'05", long 80 21'35", in SE 1/4 sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, 37 mi east of Belle Glade on U.S. Highway 441, 21 mi southeast of Canal Point on U.S. Highway 98 and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to September 2004, gage-height and discharge. October 2004 to current year, (gage-height only).

REVISED RECORDS.--WDR FL-84-2A, 1982, (revised maximum negative discharge).

GAGE.--Moscad RF Data/Telemetry system operated by South Florida Water Management District for West Palm Beach Canal east of Levee 8 Canal, satellite data collection platform with water-stage shaft encoder for West Palm Beach Canal west of Levee 8 Canal. Electronic data logger for Conservation area was used for discharge computation. Satellite data collection platform for Levee 8 discontinued on November 19,2001. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District benchmark). Prior to October 1, 1981, datum of gage is 0.24 ft higher, from October 1, 1981 to June 22, 1994, datum of gage is -.19 ft lower and from June 22, 1994 to October 1, 2001, datum of gage is .11 ft higher than present datum. The change in datum is based upon an adjustment to FCE 790 benchmark elevation surveyed by South Florida Water Management District.

REMARKS.--Levee 8 Canal stage only published. Discharge record computation discontinued due to combination of flow not possible due to S-5A-E being discontinued. Flow regulated by operation of S-5A-E, S-5A-S, and S-5A-W, just downstream and pumpage at S-5A. Gate operation and pumpage occasionally reverses the flow (negative figures indicate flow reversed). Discharge is summation of flows at S-5A-E, S-5A-S, and S-5A-W. Discharge computed from relation between discharge, head, and gate openings. Records of gage heights prior to October 1961, are available in files of the U.S. Geological Survey, (USGS). Prior to September 30, 1967, deflection vane recorder at upstream side in center of span of bridge on U.S. Highway 441, 50 ft upstream from mouth and West Palm Beach Canal. Satellite data collection platform with acoustic velocity meter installed April 11, 1991, at same location of satellite data collection platform, removed October, 1993. Starting in the water year 2001, negative discharge from control structure S-5A-W and S-5A-E is considered estimated due to updated information, provided to USGS about the site. Prior negative discharges are not marked estimated in the files or data bases of USGS. Estimated discharge does not necessarily indicate negative discharges through these control structures.

COOPERATION.--Stage record provided by South Florida Water Management District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.69 ft present datum, Oct. 18, 1995; minimum, 8.21 ft present datum, Mar. 17, 1969. See GAGE.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.04 ft Oct. 1; minimum, 11.90 ft Nov. 12.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.77	12.70	12.72	15.23	13.68	14.82	13.68	13.44	13.20	16.20	13.38	14.76
2	16.25	12.86	12.68	14.93	13.79	14.05	13.49	13.89	13.48	15.77	14.61	15.05
3	15.61	12.82	12.74	14.43	13.72	14.06	13.72	13.56	14.88	15.62	14.78	15.05
4	15.58	12.67	12.67	14.20	13.76	14.84	13.53	13.79	15.34	15.73	14.51	14.97
5	15.54	12.74	12.67	14.01	13.54	13.46	13.66	13.49	15.35	15.72	14.51	15.35
6	15.54	12.63	12.65	14.06	13.54	13.38	13.32	13.85	15.35	15.76	14.52	15.67
7	16.34	12.54	12.85	13.48	13.83	13.78	13.30	13.50	15.42	15.76	14.53	15.74
8	15.78	13.41	12.87	14.76	14.28	13.77	13.80	13.14	15.16	15.58	14.57	15.73
9	14.81	13.91	13.16	15.22	14.97	13.66	13.61	13.17	14.94	14.90	14.53	15.66
10	14.13	12.82	13.04	15.16	14.92	14.33	13.24	13.48	14.88	14.41	14.52	15.41
11	14.41	12.56	13.19	14.87	14.93	14.15	14.11	12.91	15.00	14.06	14.54	15.16
12	14.62	12.82	13.14	14.47	14.76	14.59	14.23	12.96	15.07	13.53	14.39	15.06
13	14.70	14.77	13.00	14.64	14.61	14.32	13.99	12.95	15.13	13.93	14.30	14.82
14	15.64	15.72	13.05	15.08	14.59	13.23	14.25	12.74	14.69	14.37	14.24	14.55
15	15.47	15.82	13.24	15.72	14.58	14.41	14.33	12.81	14.43	14.89	14.15	14.15
16	15.47	14.84	13.46	16.03	14.73	13.62	13.34	13.10	14.24	14.42	14.46	14.21
17	15.45	14.12	13.91	15.95	14.80	14.50	13.30	13.57	14.20	13.95	15.71	14.20
18	15.75	13.80	15.26	15.84	14.73	14.89	14.00	13.24	14.16	13.60	14.62	14.14
19	16.02	12.83	14.30	15.65	14.36	14.77	14.09	12.96	14.11	13.84	14.45	14.02
20	15.99	12.81	14.47	15.53	14.03	14.84	13.37	13.20	14.62	15.20	14.27	13.83
21	16.00	12.85	14.10	15.67	14.47	14.63	13.22	13.14	14.79	14.68	13.90	13.68
22	15.91	12.67	13.95	15.38	14.37	14.48	13.70	12.94	14.30	14.78	13.99	13.77
23	15.31	13.40	13.52	15.40	13.84	14.82	13.81	12.85	14.17	14.92	14.00	13.85
24	14.08	12.70	13.94	14.57	14.11	14.65	13.65	13.33	14.36	15.04	14.14	13.84
25	12.77	12.77	15.37	13.60	14.66	13.96	13.71	13.16	14.63	14.98	13.81	13.64
26	12.79	12.75	15.72	13.79	14.68	13.49	13.45	13.23	14.74	14.83	12.84	13.67
27	12.78	12.68	15.50	13.80	14.63	13.50	13.45	13.73	15.10	14.70	12.19	13.91
28	12.93	12.76	14.67	13.72	15.18	14.45	13.45	13.13	15.23	14.73	13.72	14.06
29	13.29	12.89	14.22	13.63	---	15.08	13.20	12.91	15.56	14.65	14.54	14.40
30	12.71	12.92	14.26	13.92	---	14.42	13.28	12.77	16.03	13.42	15.29	14.22
31	12.69	---	14.96	13.82	---	14.07	---	12.62	---	12.88	15.07	---
TOTAL	462.13	397.58	425.28	456.56	402.09	441.02	409.28	409.56	442.56	456.85	443.08	436.57
MEAN	14.91	13.25	13.72	14.73	14.36	14.23	13.64	13.21	14.75	14.74	14.29	14.55
MAX	17.77	15.82	15.72	16.03	15.18	15.08	14.33	13.89	16.03	16.20	15.71	15.74
MIN	12.69	12.54	12.65	13.48	13.54	13.23	13.20	12.62	13.20	12.88	12.19	13.64

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

LOCATION.--Lat 26 45'14", long 80 55'07", in NW $^{1}/_{4}$ sec.14, T.43 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on concrete wall inside lock chamber of structure S-310 (HGS-2) in Okeechobee Waterway, and 0.8 mi north of U.S. Highway 27 near Clewiston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1979, at datum 0.24 ft lower. Prior to April 19, 2001, acoustic velocity meter at same site and datum. Prior to October 19, 1992, water-stage recorder and electromagnetic velocity meter at site. Prior to October 1982, water-stage recorder 0.4 mi downstream of S-310 (HGS-2) on south side of U.S. Highway 27 bridge. August 1976 to September 1979, deflection velocity meter recorder on south side of U.S. Highway 27 bridge.

REMARKS.--Records poor. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Flow regulated by hurricane gate at Lake Okeechobee. Prior to October 19, 1992, electromagnetic velocity meter at site.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 11 complete water years of discharge (1977-79, 1983-87, 1990, 1994, 2002).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.17 ft Mar. 7, 1983; minimum, 8.73 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Not available at time of publication.

DATA UNAVAILABLE AT TIME OF PUBLICATION

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26 42'00", long 80 42'45", in SW $^{1}/_{4}$ sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, acoustic Doppler velocity meter located approximately 1,800 ft downstream from S-351 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay, along the south bank of Hillsboro Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WDR FL-92-2A, 1991; WDR FL-03-2A, 2002.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to January 1, 2002, acoustic velocity meter. Prior to April 1993 electromagnetic velocity meter and digital water-stage recorder. Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter installed December 1990. Prior to October 1, 1986, water-stage recorder at pump station 2 used for gage heights at this station. Prior to August 1982, deflection meter. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Records poor. Flow regulated by vertical lift gates and pump station at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, by the operation of pump station 2, or by gravity flow through gates during periods of negative head (negative figures indicate flow reversed). Discharge computed from continuous velocity record obtained from acoustic Doppler velocity meter starting January 1, 2002.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 41 complete water years of discharge (1958-88, 1991-95, 1997-98, 2000-01, 2004).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.71 ft June 4; minimum, 8.52 ft Oct 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.16	10.70	10.61	11.05	---	10.10	10.26	11.28	11.98	10.77	11.84	10.79
2	9.65	10.97	10.73	10.90	10.67	10.29	10.25	11.33	11.94	10.36	11.19	10.97
3	9.82	10.78	10.68	10.92	10.75	10.53	10.31	10.98	11.80	10.56	10.68	11.73
4	9.56	10.66	10.87	11.03	11.41	10.75	10.25	10.57	12.33	10.50	9.84	11.97
5	9.36	10.74	10.97	11.12	11.37	9.59	10.35	11.60	11.56	10.60	10.23	10.91
6	9.72	10.91	10.77	11.00	11.38	10.23	10.22	11.39	11.86	10.18	10.91	11.08
7	10.48	10.72	10.77	---	11.35	10.67	10.32	9.94	11.69	9.78	10.65	10.55
8	8.94	10.55	11.09	11.07	11.33	10.61	10.17	9.37	11.72	10.20	10.81	9.59
9	9.13	10.85	11.27	11.08	---	10.90	10.02	10.08	10.92	10.41	10.15	10.13
10	10.21	10.84	11.23	10.98	11.40	12.07	10.21	10.19	11.10	10.52	10.01	10.11
11	10.19	10.65	11.21	11.01	11.35	11.39	10.15	10.60	11.67	10.20	10.79	10.36
12	9.63	10.68	11.21	11.06	11.46	10.64	10.18	10.92	11.29	9.92	10.87	10.34
13	9.70	---	11.21	11.11	11.32	9.36	10.71	10.93	10.58	10.60	10.94	10.00
14	9.75	10.91	11.06	11.22	11.17	9.96	10.69	10.81	10.36	10.58	10.88	10.13
15	10.05	10.77	---	11.65	11.44	10.55	10.81	10.87	10.96	---	10.83	10.36
16	9.93	10.52	---	11.26	11.31	10.59	10.89	10.69	11.17	---	10.60	10.22
17	10.05	10.92	11.10	10.66	11.29	10.56	10.79	10.68	11.17	11.08	10.30	10.48
18	10.09	10.66	11.30	10.39	11.12	11.49	10.91	10.51	11.02	10.96	10.65	10.40
19	10.32	10.64	11.34	10.55	10.57	11.06	11.24	---	10.22	9.98	---	10.34
20	10.06	10.73	11.43	10.40	11.07	9.88	11.13	---	10.79	---	10.28	10.39
21	10.61	10.92	11.41	10.31	11.15	9.66	11.14	10.83	10.06	9.96	10.39	9.53
22	10.62	10.83	11.15	10.93	11.25	10.50	11.10	10.83	9.44	---	10.73	10.29
23	10.11	10.55	10.79	10.81	11.55	10.0	11.11	10.96	10.23	9.91	10.54	10.63
24	10.30	10.83	10.77	10.85	11.17	9.87	11.13	11.25	10.91	10.18	10.53	10.76
25	---	10.77	10.78	10.74	11.09	9.56	11.08	11.38	9.94	10.35	10.03	10.75
26	---	10.62	10.93	10.94	11.16	9.40	11.03	11.47	9.79	10.33	9.97	10.69
27	10.38	10.84	11.22	10.61	10.74	10.37	10.71	11.19	11.45	10.09	10.52	11.03
28	10.87	10.73	11.18	10.94	10.70	10.53	10.94	11.02	12.09	10.18	10.88	10.39
29	10.78	10.81	11.03	10.94	---	9.87	11.11	9.92	12.14	10.63	10.79	11.25
30	---	10.76	11.09	10.79	---	9.81	11.00	9.80	11.80	10.96	10.51	10.26
31	---	---	11.18	10.62	---	10.42	---	10.73	---	10.91	10.48	---
TOTAL	---	---	---	---	---	321.21	320.21	---	333.98	---	---	316.43
MEAN	---	---	---	---	---	10.36	10.67	---	11.13	---	---	10.55
MAX	---	---	---	---	---	12.07	11.24	---	12.33	---	---	11.97
MIN	---	---	---	---	---	9.36	10.02	---	9.44	---	---	9.53

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-588	154	215	18	e26	199	0.33	436	-158	160	-244	174
2	-238	403	355	65	160	34	62	392	-379	4.6	238	-340
3	26	336	353	121	185	33	4.9	90	-518	98	371	-294
4	-41	303	289	140	309	-33	109	-289	-390	333	268	3.0
5	-89	366	104	179	251	-17	189	5.9	-493	349	233	-152
6	-291	237	145	155	210	151	103	65	24	229	283	-145
7	-250	201	278	e244	131	113	189	29	476	265	318	43
8	-316	331	324	153	278	65	152	-23	700	209	318	-23
9	-343	507	337	111	e389	-161	57	159	476	13	47	62
10	-183	376	303	132	471	-699	-16	201	179	283	59	0.42
11	-190	334	267	262	439	-640	39	366	233	69	248	42
12	-228	450	247	163	339	-258	101	386	561	181	171	143
13	66	e432	274	87	246	20	308	373	416	371	153	81
14	40	93	334	79	293	277	263	401	-22	43	72	242
15	49	16	e326	-123	423	247	327	437	176	e108	42	237
16	-68	61	e315	-40	293	240	293	310	172	e192	72	229
17	16	288	337	107	340	60	232	306	275	219	134	293
18	-38	86	389	-84	270	-335	433	191	-48	229	23	157
19	279	64	196	-55	79	-184	568	---	-274	158	e136	68
20	107	184	294	-35	293	-88	535	---	93	e235	44	-19
21	239	201	272	72	183	-68	453	531	292	220	38	-65
22	231	15	77	358	195	351	426	491	109	e240	-146	92
23	171	71	-58	149	355	343	434	---	384	230	-39	-14
24	88	130	47	219	102	276	431	563	539	286	-93	0.42
25	e202	-45	-3.6	193	-55	171	389	549	311	233	-192	38
26	e192	57	-29	97	115	18	438	328	218	128	-151	-38
27	312	196	-144	14	-282	342	153	-106	259	176	-84	-229
28	452	122	-96	146	-86	466	207	22	-54	214	-39	-121
29	364	27	-28	93	---	278	376	110	25	309	100	-410
30	e144	87	64	36	---	50	381	267	-8.9	191	-9.1	35
31	e245	---	28	19	---	159	---	-117	---	-149	133	---
TOTAL	360	6,083	5,811.4	3,075	5,952	1,410	7,637.23	---	3,573.1	5,826.6	2,503.9	89.84
MEAN	11.6	203	187	99.2	213	45.5	255	---	119	188	80.8	2.99
MAX	452	507	389	358	471	466	568	---	700	371	371	293
MIN	-588	-45	-144	-123	-282	-699	-16	---	-518	-149	-244	-410
AC-FT	714	12,070	11,530	6,100	11,810	2,800	15,150	---	7,090	11,560	4,970	178

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	-1.18	32.1	59.4	48.2	59.5	86.3	225	172	0.17	-89.2	-89.9	-122
MAX	296	366	520	606	574	359	676	720	610	482	268	351
(WY)	(1995)	(1974)	(1996)	(2003)	(1993)	(1999)	(1993)	(1966)	(2000)	(1992)	(1974)	(1992)
MIN	-370	-276	-314	-265	-232	-534	-241	-328	-633	-553	-609	-537
(WY)	(1965)	(1960)	(1960)	(1964)	(1963)	(1970)	(1957)	(1968)	(1968)	(1975)	(1981)	(1960)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	52,635.45			
ANNUAL MEAN	144		18.3	
HIGHEST ANNUAL MEAN			288	2000
LOWEST ANNUAL MEAN			-207	1960
HIGHEST DAILY MEAN	892	Jun 1	1,210	Apr 27, 1999
LOWEST DAILY MEAN	-1,090	Sep 7	-1,720	Aug 19, 1981
ANNUAL SEVEN-DAY MINIMUM	-846	Sep 22	-1,190	Aug 17, 1981
ANNUAL RUNOFF (AC-FT)	104,400		13,240	
10 PERCENT EXCEEDS	490		369	
50 PERCENT EXCEEDS	166		27	
90 PERCENT EXCEEDS	-206		-335	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

LOCATION.--Lat 26 28'18", long 80 26'46", in NE 1/4 sec.4, T.46 S., R.39 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 6, and 7 mi southeast of Shawano.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to September 1968 (gage heights and discharge). October 1968 to September 1981 (discharge), October 1990 to current year.

REVISED RECORDS.--WDR FL-03-2A, 1995.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. The acoustic velocity meter and acoustic Doppler velocity meter were run in tandem for the period of August 10, 2001 to January 30, 2002. Dual water-stage recorder from 1968 to 1981 at S-6. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to October 1, 1959, at datum 0.44 ft lower.

REMARKS.--Records poor. Flow regulated by pumpage at S-6, by Structure 351 and pump station 2 at Lake Okeechobee and by drainage and irrigation pumps upstream. Records include flow from Levee 6 Canal from March 15, 1966 to October 1, 1999. Discharge is the summation of pumpage and siphoning at S-6. Negative flow indicates flow to the north due to siphoning at S-6. Acoustic velocity meter system began operation October 1990, on both S-6 and L-6 canals. After October 1, 1999, total discharge represents S-6 canal flow. Everglades Construction Project for Storm Treatment Area 2 (STA2) had a permanent effect on L-6 canal. Flow from L-6 canal into Hillsboro canal main channel was plugged in August 1999, approximately 0.25 mi upstream of L-6 cross-section for the diversion of flow into STA2. L-6 acoustic velocity meter was discontinued on September 30, 1999. From October 1990 to September 1999, total discharge is computed by the sum of S-6 and L-6 discharges from relations between stage vs area and line velocity vs mean velocity index ratings. Acoustic velocity meter removed on January 30, 2002.

COOPERATION.--Records furnished by South Florida Water Management District October 1968 to September 1981. Prior to October 1968, pump records furnished by South Florida Water Management District, and records computed by U.S. Geological Survey. After reestablishment in the 1991 water year, records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete water years of discharge (1958-81, 1998, 2001, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.74 ft Dec. 25, 1958; minimum, 7.35 ft May 14, 1959.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.73 ft Aug. 1; minimum, 8.78 ft Oct. 7.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.25	10.61	10.68	11.23	10.75	9.70	10.40	11.01	11.38	9.20	11.01	10.50
2	9.19	---	10.44	11.07	10.79	10.51	10.48	11.27	11.06	9.42	9.28	10.42
3	9.29	10.54	10.45	11.05	10.76	10.68	10.61	11.18	11.28	9.46	9.60	10.87
4	9.12	10.51	10.90	11.12	11.27	10.35	10.39	10.16	---	9.28	9.49	10.38
5	9.47	10.41	11.14	11.08	11.50	9.82	10.36	---	---	---	10.32	9.30
6	10.03	11.05	10.88	11.01	11.49	10.38	10.26	---	---	---	---	9.66
7	9.94	10.52	10.77	11.06	11.48	10.81	10.27	9.20	9.24	---	10.27	9.41
8	9.49	10.15	11.09	11.21	11.34	10.63	9.86	9.43	9.29	---	10.31	9.51
9	9.91	10.21	11.18	11.25	11.18	10.15	10.25	10.13	9.35	9.45	10.03	9.99
10	10.61	10.50	11.20	11.12	11.18	11.76	10.43	10.21	9.42	9.67	10.09	10.35
11	10.28	10.52	11.26	11.03	11.20	11.27	10.31	10.36	9.94	9.76	10.73	10.59
12	9.87	10.06	11.31	11.14	11.45	9.70	10.26	10.71	9.30	9.32	10.54	10.18
13	9.73	---	11.27	11.15	11.36	9.04	10.67	10.77	9.63	9.93	11.09	---
14	9.98	11.09	11.07	11.38	11.12	9.66	10.78	10.58	10.52	10.57	11.06	10.16
15	10.17	10.68	11.20	11.30	11.22	10.28	10.84	---	11.07	---	11.02	10.38
16	10.25	---	10.99	11.24	11.29	---	10.96	---	11.31	10.33	10.76	10.26
17	10.28	10.88	11.05	10.56	---	9.31	10.95	---	10.74	10.96	10.44	---
18	10.33	10.83	11.20	10.74	11.03	10.12	10.45	10.53	11.26	10.56	10.84	10.52
19	10.04	10.83	11.55	10.82	10.68	9.81	10.55	---	10.79	9.83	11.04	10.53
20	10.05	10.84	11.56	10.69	10.99	9.36	10.44	10.19	9.96	---	10.50	9.92
21	10.41	11.05	11.48	10.52	11.22	9.71	10.89	---	9.36	9.94	10.59	9.76
22	10.40	11.06	11.32	10.81	11.32	9.48	10.92	10.46	9.45	9.78	10.74	10.40
23	10.03	10.66	11.00	11.02	11.48	9.06	10.91	---	9.46	9.91	10.35	10.52
24	10.53	10.90	11.01	11.01	11.31	9.00	10.99	10.70	9.45	10.10	9.88	10.94
25	10.16	11.04	11.02	10.90	10.79	9.29	10.95	10.89	9.24	10.37	9.34	10.92
26	10.27	10.84	11.34	11.13	9.57	9.48	10.72	11.36	9.56	10.41	9.56	10.90
27	10.24	10.92	11.63	10.80	10.46	9.65	10.80	10.86	9.92	10.21	---	10.32
28	10.42	10.97	11.48	10.99	9.67	9.32	10.99	10.74	10.11	10.24	10.65	9.92
29	10.29	11.02	11.25	11.03	---	9.28	10.92	9.77	10.37	10.54	10.51	10.60
30	11.01	10.88	11.27	10.99	---	9.94	10.72	9.65	10.49	10.97	10.43	9.38
31	10.59	---	11.35	10.85	---	10.44	---	10.97	---	11.21	10.35	---
TOTAL	311.63	---	345.34	341.30	---	---	318.33	---	---	---	---	---
MEAN	10.05	---	11.14	11.01	---	---	10.61	---	---	---	---	---
MAX	11.01	---	11.63	11.38	---	---	10.99	---	---	---	---	---
MIN	9.12	---	10.44	10.52	---	---	9.86	---	---	---	---	---

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,980	247	0.00	0.00	0.00	551	13	5.2	1,330	1,740	1,420	483
2	1,490	e296	246	0.00	0.00	0.00	21	7.5	2,150	1,130	1,830	996
3	1,220	255	219	0.00	0.00	146	1.8	0.00	2,160	1,360	1,070	1,060
4	1,220	268	0.00	0.00	168	1,050	0.00	984	e2,250	1,300	557	1,910
5	542	282	0.00	266	0.00	239	0.00	e1,860	e2,160	e1,100	0.00	1,960
6	317	0.00	0.00	260	0.00	0.00	3.0	e1,960	e2,030	e1,050	0.00	1,960
7	1,360	409	0.00	172	0.00	0.00	10	1,130	1,610	e489	450	1,610
8	608	374	0.00	0.00	0.00	256	532	205	1,620	e648	384	582
9	0.00	297	0.00	0.00	0.00	1,350	28	0.00	1,430	918	371	463
10	0.00	244	0.00	0.00	0.00	2,220	9.5	0.00	1,840	1,170	0.00	18
11	470	0.00	0.00	0.00	0.00	2,140	0.00	11	1,970	1,150	40	20
12	356	335	0.00	0.00	0.00	1,920	0.00	0.00	1,750	932	503	383
13	335	0.00	0.00	0.00	0.00	929	22	0.00	678	552	0.00	e22
14	70	0.00	0.00	0.00	0.00	270	1.5	0.00	14	495	5.1	41
15	237	413	0.00	1,010	0.00	285	5.4	e31	23	e604	0.00	18
16	0.00	e71	0.00	587	0.00	e695	10	e1.6	5.9	95	0.00	2.0
17	0.00	175	0.00	579	0.00	1,360	1.5	e17	522	0.00	5.0	0.00
18	0.00	151	0.00	0.00	0.00	2,140	278	1.6	0.00	438	0.00	0.00
19	247	0.00	0.00	0.00	0.00	1,980	294	0.00	0.00	284	0.00	0.00
20	272	0.00	0.00	0.00	0.00	1,160	293	0.00	1,070	0.00	1.6	848
21	400	0.00	0.00	0.00	0.00	288	0.00	e66	1,070	16	0.00	0.00
22	447	0.00	0.00	0.00	0.00	1,110	8.5	11	412	50	367	0.00
23	367	0.00	0.00	0.00	0.00	883	1.8	0.00	1,050	19	497	352
24	18	0.00	0.00	17	0.00	777	3.1	5.0	1,250	10	1,030	0.00
25	522	0.00	0.00	0.00	832	436	0.00	19	1,000	5.0	1,550	5.4
26	296	0.00	0.00	0.00	1,580	104	0.00	0.00	305	137	811	3.3
27	167	0.00	0.00	0.00	1,090	746	17	517	1,430	2.9	0.00	1,200
28	265	0.00	0.00	0.00	1,610	944	0.00	508	2,080	3.5	491	783
29	377	0.00	0.00	0.00	---	671	0.00	421	2,130	17	484	1,450
30	0.00	0.00	0.00	0.00	---	0.00	1.7	0.00	2,120	0.00	419	1,460
31	370	---	0.00	0.00	---	0.00	---	9.2	---	1.7	403	---
TOTAL												
13953.0												
0	3,817.00	465.00	2,891.00	5,280.00	24,650.00	1,555.80	7,770.10	37,459.90	15,717.10	12,688.70	17,629.70	
MEAN	450	127	15.0	93.3	189	795	51.9	251	1,249	507	409	588
MAX	1,980	413	246	1,010	1,610	2,220	532	1,960	2,250	1,740	1,830	1,960
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	27,680	7,570	922	5,730	10,470	48,890	3,090	15,410	74,300	31,170	25,170	34,970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	384	161	138	197	162	148	133	222	378	360	422	573
MAX	1,431	1,417	1,120	1,326	591	1,020	710	991	1,343	980	1,355	1,695
(WY)	(1995)	(1995)	(1995)	(1958)	(1998)	(1970)	(1998)	(1998)	(1968)	(1995)	(1994)	(1960)
MIN	-57.4	-29.3	0.00	0.00	-84.0	-65.9	0.00	-11.5	-152	0.00	43.2	4.63
(WY)	(1981)	(1992)	(1971)	(1975)	(1991)	(1991)	(1974)	(1993)	(1980)	(1981)	(1958)	(1961)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	143,877.30			
ANNUAL MEAN	394		233	
HIGHEST ANNUAL MEAN			597	1998
LOWEST ANNUAL MEAN			68.1	1962
HIGHEST DAILY MEAN	2,250	Jun 4	4,480	May 1, 1998
LOWEST DAILY MEAN	0.00	Oct 9	-673	Apr 16, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 19	-407	Jun 12, 1980
ANNUAL RUNOFF (AC-FT)	285,400		168,800	
10 PERCENT EXCEEDS	1,380		874	
50 PERCENT EXCEEDS	17		0.00	
90 PERCENT EXCEEDS	0.00		0.00	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02281400 HILLSBORO CANAL NEAR MARGATE, FL

LOCATION.--Lat 26 19'48", long 80 12'45", in NW $\frac{1}{4}$ sec.36, T.47 S., R.41 E., Broward County, Hydrologic Unit 03090202, on north side of Loxahatchee Road, 0.7 mi west of U.S. Highway 441, and 5.1 mi north of Margate. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to current year.

REVISED RECORDS.--WDR FL-99-2A, 1998

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to November 20, 2001, electronic data logger with water-stage shaft encoder and acoustic Doppler velocity meter with cellular phone/radio telemetry provided by South Florida Water Management District. Use of telemetry data started in September, 1999. Digital water-stage recorder removed September 27, 1999. Electromagnetic velocity meter prior to October 1, 1999. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except estimated daily discharges, which are poor. Flow affected by regulation downstream at structure G-56 and upstream storage releases at control structures S-39 and S-39A. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 19 complete water years of discharge (1977-89, 1996, 1998-2001, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.88 ft Apr. 25, 1979; minimum, 4.15 ft May 20, 1978.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.08 ft June 5; minimum, 6.44 ft July 11, Sept. 21.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.42	8.08	7.60	8.04	7.63	7.66	7.33	7.78	8.09	7.75	7.71	8.05
2	7.54	8.03	7.81	7.91	7.52	7.60	7.47	7.86	8.08	7.72	7.87	7.98
3	7.42	7.56	7.78	7.75	7.77	---	7.45	7.81	8.18	7.76	8.05	7.81
4	7.49	7.47	7.78	7.96	7.58	7.93	7.32	8.12	7.61	7.79	7.65	8.37
5	7.63	8.16	7.59	7.66	8.17	7.87	7.51	7.96	8.40	7.81	7.75	8.40
6	7.73	7.89	7.78	7.79	8.47	7.59	7.60	8.14	8.66	7.72	7.91	8.59
7	8.25	7.99	7.54	7.61	8.41	7.64	7.53	---	7.89	7.78	8.17	8.22
8	7.88	7.72	7.83	7.85	7.96	---	7.93	8.01	7.65	7.78	8.26	8.00
9	7.58	8.09	7.85	7.90	7.58	8.14	7.89	7.85	7.76	7.54	7.90	8.28
10	7.55	8.14	7.73	7.82	7.74	8.07	7.48	7.83	7.60	6.65	8.05	8.34
11	7.62	8.01	8.03	7.54	7.55	7.97	7.66	7.75	7.53	7.21	7.54	8.27
12	7.65	8.05	7.92	7.87	7.37	7.64	7.71	7.62	7.86	7.64	8.18	7.85
13	7.63	8.25	7.74	7.75	7.57	7.40	7.91	7.70	7.71	7.66	7.25	7.77
14	7.72	8.18	7.85	7.86	7.75	7.71	7.87	7.75	7.67	7.68	7.34	8.20
15	7.75	7.83	7.66	7.89	7.59	8.12	7.64	7.80	7.65	---	8.26	7.63
16	7.58	---	7.87	8.00	7.61	7.87	7.92	7.89	7.73	7.69	7.69	7.78
17	7.53	7.31	7.67	7.46	7.77	8.05	7.76	7.89	7.99	7.71	8.20	---
18	7.50	7.52	8.02	7.64	7.58	7.94	7.62	7.71	7.85	7.49	7.77	7.16
19	7.56	7.93	7.79	7.62	7.85	8.13	7.50	7.70	7.88	7.60	7.40	7.59
20	7.77	7.98	7.86	7.56	7.60	7.96	7.64	7.68	7.53	7.53	7.85	7.43
21	8.26	7.84	7.82	7.55	7.48	7.75	7.79	7.77	7.89	7.56	8.16	6.82
22	7.94	7.72	8.16	7.86	7.89	7.52	7.86	7.71	7.45	7.83	7.53	7.60
23	7.88	7.71	8.31	8.17	7.72	7.61	7.81	7.68	7.25	8.09	7.67	8.15
24	7.82	7.86	8.34	8.16	7.68	7.61	7.84	7.78	7.26	8.16	7.97	7.91
25	7.92	7.67	7.97	7.85	8.02	7.67	7.77	7.83	6.92	7.92	8.11	7.54
26	8.00	7.82	7.80	7.90	8.00	7.68	---	7.80	6.91	8.18	7.53	7.91
27	8.05	7.60	7.50	7.96	7.67	7.66	---	7.72	6.92	7.81	6.97	8.15
28	8.08	7.95	7.66	7.91	7.25	7.57	7.63	7.85	7.06	7.89	7.89	8.20
29	8.02	7.70	7.80	7.86	---	7.35	7.76	8.13	7.36	7.98	8.06	7.55
30	8.13	7.80	7.61	7.89	---	7.35	7.85	8.18	7.68	7.69	7.77	7.85
31	8.06	---	8.02	7.83	---	7.35	---	8.00	---	7.67	7.88	---
TOTAL	240.96	---	242.69	242.42	216.78	---	---	---	230.02	---	242.34	---
MEAN	7.77	---	7.83	7.82	7.74	---	---	---	7.67	---	7.82	---
MAX	8.26	---	8.34	8.17	8.47	---	---	---	8.66	---	8.26	---
MIN	7.42	---	7.50	7.46	7.25	---	---	---	6.91	---	6.97	---

02281400 HILLSBORO CANAL NEAR MARGATE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	205	131	64	76	189	456	70	147	576	248	e148
2	480	130	137	58	96	204	436	112	270	633	123	291
3	435	131	126	86	95	e141	447	118	491	611	131	170
4	486	105	123	69	81	151	424	92	595	592	131	238
5	582	107	125	107	50	112	390	138	461	576	81	258
6	584	121	104	106	57	70	184	236	561	607	183	469
7	686	99	156	101	91	78	82	e291	512	591	316	586
8	599	113	144	68	87	e74	148	272	401	603	372	360
9	589	94	90	41	102	179	135	187	535	488	261	314
10	595	93	100	78	163	291	63	135	563	186	112	133
11	589	89	53	96	174	126	59	168	278	368	129	178
12	592	100	53	79	172	130	60	164	506	566	255	264
13	562	89	83	74	131	132	47	161	612	540	353	119
14	596	153	77	136	70	68	44	121	604	555	158	104
15	616	145	84	256	66	84	106	155	594	e580	188	153
16	555	e106	83	117	98	154	23	118	535	546	154	86
17	555	93	74	85	54	262	35	54	472	557	85	e121
18	568	130	109	61	84	255	185	123	544	578	153	166
19	605	107	104	81	72	97	150	210	537	561	93	326
20	522	85	57	79	53	120	152	178	322	591	30	399
21	402	92	80	66	112	137	77	145	453	591	96	e81
22	314	104	58	36	98	157	82	170	383	504	106	62
23	178	123	74	41	87	104	62	190	364	396	66	64
24	187	99	119	62	143	187	41	116	378	373	312	137
25	199	110	53	63	162	215	126	85	244	395	416	59
26	134	99	90	60	163	242	e160	53	192	267	466	53
27	124	96	145	62	156	261	e134	55	268	135	131	83
28	131	91	135	84	113	336	190	43	308	127	150	188
29	149	111	81	62	---	445	152	48	366	339	106	149
30	108	107	95	28	---	437	81	67	503	236	241	60
31	123	---	99	60	---	450	---	63	---	221	210	---
TOTAL	13,284	3,327	3,042	2,466	2,906	5,888	4,731	4,138	12,999	14,489	5,856	5,819
MEAN	429	111	98.1	79.5	104	190	158	133	433	467	189	194
MAX	686	205	156	256	174	450	456	291	612	633	466	586
MIN	108	85	53	28	50	68	23	43	147	127	30	53
AC-FT	26,350	6,600	6,030	4,890	5,760	11,680	9,380	8,210	25,780	28,740	11,620	11,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)

MEAN	211	203	206	240	223	197	187	140	203	220	236	241
MAX	719	671	738	541	634	708	458	452	527	624	630	518
(WY)	(2000)	(2000)	(2000)	(1998)	(1998)	(1998)	(1983)	(2000)	(2003)	(1986)	(1995)	(1995)
MIN	71.8	38.6	2.47	47.4	40.8	27.1	38.0	14.7	45.4	63.1	35.2	40.3
(WY)	(1999)	(1997)	(1997)	(1992)	(1997)	(1997)	(1997)	(1997)	(1985)	(1994)	(1996)	(1992)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005	
ANNUAL TOTAL	78,945			
ANNUAL MEAN	216		221	
HIGHEST ANNUAL MEAN			351	2000
LOWEST ANNUAL MEAN			103	1977
HIGHEST DAILY MEAN	686	Oct 7	1,300	Oct 18, 1999
LOWEST DAILY MEAN	23	Apr 16	-247	Apr 25, 1979
ANNUAL SEVEN-DAY MINIMUM	53	Apr 11	-45	Nov 17, 1976
ANNUAL RUNOFF (AC-FT)	156,600		160,100	
10 PERCENT EXCEEDS	555		545	
50 PERCENT EXCEEDS	135		154	
90 PERCENT EXCEEDS	62		52	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26 10'22", long 80 10'47", in NW $\frac{1}{4}$ sec.20, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, 20 ft from south bank, 120 ft upstream from salinity-control structure S-36, 1.5 mi east of bridge on U.S. Highway 441, and 5 mi west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to September 1961 (gage heights only), October 1961 to current year.

GAGE.--Electronic data logger with water-stage shaft encoder for upstream and downstream. Electronic data logger for gate opening until November 12, 2003. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1, 1993, both upstream and downstream gage heights at datum, 0.21 ft lower. Discharge not affected by the change in datum. Electromagnetic velocity meter and deflection vane recorder at same site prior to October 1, 1985.

REMARKS.--No estimated daily discharges. Records fair. Flow is at times affected by tide and occasionally reversed. Flow is regulated by operation of salinity-control structure 36. Discharge computed from the relationship of gate opening versus head difference. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey. Starting in the 2002 water year, the downstream record published is maximum and minimum stage for each calendar day. Prior to the 2002 water year, daily mean was published.

COOPERATION.--Gage height and S-36 gate-operation records provided by South Florida Water Management District upon request.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1962-90, 1998-2003, 2005).

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.59 ft (present datum) Dec. 27, 1958; minimum, -0.32 ft (present datum) June 28, 1958.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 5.16 ft Aug. 6; minimum, 3.19 ft June 25.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 3.76 ft Sept. 20; minimum, -0.79 ft Dec.12.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	5.03	4.73	4.82	4.69	4.45	4.53	4.27	4.89	3.71	4.76	4.68
2	3.84	5.01	4.72	4.82	4.68	4.41	4.55	4.27	5.02	3.70	4.86	4.72
3	3.98	4.99	4.72	4.81	4.67	4.38	4.54	4.28	4.82	3.51	4.96	4.79
4	4.00	4.98	4.71	4.79	4.68	4.55	4.51	4.55	4.14	3.49	4.89	4.83
5	3.93	4.98	4.70	4.79	4.66	4.57	4.49	4.96	3.46	3.89	4.45	4.82
6	4.03	4.98	4.69	4.79	4.64	4.56	4.46	4.71	3.51	3.95	4.47	4.54
7	4.44	4.97	4.67	4.78	4.62	4.54	4.45	4.43	4.13	3.89	4.90	4.63
8	4.59	4.96	4.66	4.77	4.62	4.56	4.72	4.34	4.89	3.85	4.87	4.63
9	4.69	4.94	4.66	4.77	4.61	4.66	4.80	4.55	4.52	3.77	4.92	4.54
10	4.75	4.92	4.67	4.76	4.62	4.96	4.78	4.60	3.40	3.42	4.90	4.41
11	4.80	4.92	4.68	4.74	4.58	4.98	4.75	4.61	3.50	3.96	4.79	4.44
12	4.85	4.93	4.66	4.71	4.56	4.96	4.72	4.59	3.51	4.99	4.67	4.35
13	4.89	4.91	4.65	4.68	4.53	4.93	4.72	4.56	3.88	4.73	4.61	4.45
14	4.89	4.89	4.66	4.73	4.52	4.91	4.69	4.52	4.58	4.62	4.54	4.74
15	4.95	4.85	4.64	4.85	4.50	4.86	4.64	4.51	4.78	4.52	4.47	4.84
16	4.96	4.84	4.61	4.91	4.50	4.83	4.60	4.48	4.89	4.41	4.35	4.88
17	4.95	4.84	4.70	4.90	4.49	4.88	4.57	4.45	5.05	4.43	4.52	4.89
18	4.94	4.83	4.85	4.87	4.47	4.87	4.53	4.43	5.04	4.78	4.69	4.03
19	4.96	4.81	4.87	4.86	4.44	4.62	4.49	4.40	4.72	4.92	4.73	3.75
20	4.97	4.81	4.85	4.86	4.43	4.39	4.43	4.41	4.38	4.98	4.62	3.74
21	4.44	4.79	4.82	4.85	4.44	4.34	4.39	4.42	3.49	5.01	4.35	4.15
22	4.36	4.79	4.79	4.83	4.44	4.53	4.39	4.44	3.63	5.02	4.57	4.77
23	4.73	4.77	4.80	4.83	4.42	4.63	4.39	4.42	3.59	5.03	4.65	4.92
24	4.91	4.77	4.83	4.80	4.42	4.65	4.38	4.42	3.68	5.02	3.91	4.57
25	5.00	4.78	4.85	4.78	4.44	4.67	4.34	4.39	3.55	5.03	3.51	4.38
26	5.03	4.77	4.88	4.77	4.44	4.67	4.32	4.45	3.48	5.07	3.64	4.46
27	5.05	4.76	4.83	4.76	4.45	4.67	4.34	4.71	3.59	5.09	3.94	4.74
28	5.05	4.77	4.79	4.71	4.47	4.68	4.32	4.71	3.87	5.03	4.68	4.82
29	5.04	4.75	4.77	4.69	---	4.64	4.29	4.70	3.58	4.62	4.85	4.92
30	5.03	4.73	4.76	4.73	---	4.60	4.27	4.71	3.58	4.37	4.49	5.06
31	5.03	---	4.78	4.71	---	4.57	---	4.68	---	4.46	4.66	---
TOTAL	144.64	146.07	147.00	148.47	127.03	144.52	135.40	139.97	123.15	137.27	141.22	137.49
MEAN	4.67	4.87	4.74	4.79	4.54	4.66	4.51	4.52	4.11	4.43	4.56	4.58
MAX	5.05	5.03	4.88	4.91	4.69	4.98	4.80	4.96	5.05	5.09	4.96	5.06
MIN	3.56	4.73	4.61	4.68	4.42	4.34	4.27	4.27	3.40	3.42	3.51	3.74

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.67	0.45	2.54	0.36	2.01	-0.03	1.91	-0.09	2.38	0.26	1.99	-0.37
2	2.38	0.24	2.29	0.30	2.07	0.06	1.92	-0.03	2.49	0.03	2.02	-0.36
3	2.33	0.26	2.09	0.24	1.93	0.04	1.78	-0.17	2.37	0.14	2.00	-0.33
4	2.21	0.40	2.07	0.30	1.91	0.16	1.79	-0.26	2.64	0.37	2.10	-0.40
5	2.16	0.45	2.32	0.51	1.76	-0.01	1.96	-0.38	3.01	0.37	1.84	-0.57
6	2.01	0.46	2.41	0.73	1.72	-0.20	2.02	-0.36	3.21	0.30	1.81	-0.57
7	2.23	0.56	2.66	0.77	1.84	-0.30	2.07	-0.48	3.04	0.16	2.01	-0.57
8	2.57	0.76	2.63	0.61	1.98	-0.39	2.24	-0.62	3.26	0.08	2.16	-0.55
9	2.75	0.84	2.76	0.44	1.94	-0.65	2.16	-0.71	3.14	0.00	2.37	-0.60
10	2.83	0.65	3.11	0.55	2.09	-0.73	2.26	-0.74	3.00	-0.04	2.43	-0.51
11	2.83	0.58	3.07	0.26	2.27	-0.75	2.56	-0.66	2.91	0.02	2.38	-0.42
12	3.03	0.55	3.26	0.19	2.33	-0.79	2.47	-0.54	2.81	0.09	2.19	-0.47
13	3.13	0.57	3.09	0.02	2.24	-0.78	2.62	-0.36	2.80	0.19	2.13	-0.46
14	3.05	0.28	2.87	-0.16	2.34	-0.64	2.13	-0.47	2.70	-0.02	2.04	-0.60
15	3.29	0.34	2.95	-0.10	2.22	-0.71	2.24	-0.25	2.25	-0.24	1.82	-0.37
16	3.04	0.16	2.97	0.12	2.32	-0.33	2.14	-0.24	1.86	-0.02	1.92	-0.19
17	2.90	0.02	2.85	0.14	2.54	-0.15	2.14	0.20	2.02	-0.10	1.85	0.18
18	2.86	0.08	2.73	0.27	2.33	0.00	2.46	0.17	1.82	-0.06	1.87	0.25
19	2.61	0.06	2.65	0.29	2.28	-0.04	2.37	0.18	1.88	-0.08	1.81	0.35
20	2.38	-0.03	2.60	0.28	2.15	-0.17	2.31	0.18	1.70	-0.27	2.00	0.36
21	2.63	0.74	2.50	0.14	2.21	-0.17	2.52	0.22	1.76	-0.41	2.06	0.35
22	2.78	0.82	2.52	0.07	2.24	-0.16	2.22	0.03	1.72	-0.50	2.20	0.15
23	3.00	0.63	2.75	0.18	2.44	0.04	2.28	-0.01	1.78	-0.58	2.12	-0.08
24	3.22	0.74	2.84	0.14	2.35	-0.22	2.22	-0.18	2.02	-0.41	2.07	-0.21
25	3.33	0.82	2.58	0.02	2.46	-0.18	2.32	-0.08	1.96	-0.47	2.14	-0.28
26	3.41	0.85	2.56	-0.18	2.26	-0.03	2.67	0.16	2.07	-0.31	2.30	-0.23
27	3.34	0.71	2.55	-0.04	2.08	-0.30	2.44	-0.01	2.30	-0.15	2.29	-0.31
28	3.18	0.51	2.50	0.05	2.22	-0.21	2.60	0.17	2.32	-0.29	2.20	-0.40
29	3.09	0.48	2.28	-0.05	2.28	-0.06	2.35	0.08	---	---	2.20	-0.41
30	3.01	0.45	2.35	0.00	2.23	-0.13	2.61	0.43	---	---	2.19	-0.39
31	2.86	0.46	---	---	2.12	0.03	2.58	0.22	---	---	2.15	-0.31
MONTH	3.41	-0.03	3.26	-0.18	2.54	-0.79	2.67	-0.74	3.26	-0.58	2.43	-0.60
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2.13	-0.22	2.31	-0.07	2.48	0.27	2.40	0.57	1.94	-0.21	2.40	0.50
2	2.19	-0.22	2.31	0.02	2.49	0.02	2.40	0.54	2.01	-0.14	2.58	0.63
3	2.08	-0.15	2.34	-0.06	2.50	0.25	2.06	0.39	2.19	-0.07	2.78	0.70
4	2.12	-0.29	2.37	-0.10	2.70	0.44	1.90	-0.06	2.13	0.10	2.87	0.85
5	2.34	-0.21	2.56	-0.09	2.52	0.74	1.95	-0.14	2.22	0.21	2.75	0.83
6	2.55	-0.13	2.59	0.11	2.54	0.74	2.06	0.00	2.30	-0.02	2.96	0.95
7	2.63	-0.21	2.58	0.09	2.33	-0.21	2.20	0.08	2.43	0.42	2.96	0.84
8	2.68	-0.21	2.68	-0.07	2.58	0.00	2.44	0.27	2.44	0.51	3.09	0.89
9	2.60	-0.29	2.41	-0.29	2.66	0.36	2.55	1.03	2.48	0.48	3.25	1.08
10	2.50	-0.32	2.40	-0.21	2.71	1.01	2.61	0.85	2.45	0.46	3.26	1.22
11	2.51	-0.25	2.27	-0.22	2.61	1.02	2.19	-0.08	2.42	0.53	3.12	1.05
12	2.43	-0.18	2.21	-0.17	2.46	0.74	1.87	0.00	2.38	0.51	3.05	0.91
13	2.27	-0.14	2.10	0.14	2.19	0.34	1.91	0.30	2.47	0.40	2.93	0.58
14	2.14	0.08	2.20	0.20	2.20	0.38	2.16	0.37	2.56	0.44	3.16	0.54
15	2.13	0.27	2.14	0.29	2.13	0.31	2.23	0.38	2.56	0.31	3.21	0.50
16	2.12	0.44	2.09	0.35	2.29	0.20	2.30	0.31	2.63	0.28	3.29	0.52
17	2.14	0.69	2.01	0.25	2.53	0.22	2.35	0.08	2.68	-0.10	3.26	0.43
18	2.27	0.56	2.09	0.23	2.70	0.19	2.52	-0.19	2.78	-0.16	3.57	0.38
19	2.28	0.53	2.28	0.16	2.78	0.37	2.72	-0.12	2.94	-0.06	3.42	0.92
20	2.30	0.29	2.48	0.06	2.91	0.32	2.89	-0.11	3.04	0.13	3.76	1.21
21	2.47	0.23	2.68	-0.11	2.83	0.68	2.84	-0.20	3.01	0.17	3.30	0.76
22	2.63	0.11	2.67	-0.12	2.86	0.46	2.83	-0.11	2.96	0.00	2.96	0.48
23	2.54	-0.09	2.71	-0.24	3.14	0.36	2.83	-0.24	2.92	0.08	2.85	0.50
24	2.54	-0.30	2.86	-0.22	3.10	0.95	2.73	-0.03	2.88	0.23	2.60	0.71
25	2.33	-0.47	2.86	-0.12	3.10	0.70	2.69	-0.06	2.89	0.81	2.46	0.74
26	2.33	-0.53	2.92	0.10	2.90	0.67	2.58	-0.07	2.87	0.92	2.48	0.69
27	2.27	-0.61	2.85	-0.09	2.73	0.33	2.33	-0.11	2.35	0.55	2.56	0.74
28	2.14	-0.39	2.66	0.03	2.65	0.36	2.15	-0.25	2.08	0.13	2.65	0.75
29	2.31	-0.25	2.61	0.09	2.44	0.66	1.92	0.11	2.17	0.01	2.72	0.70
30	2.32	-0.18	2.57	0.20	2.61	0.43	2.01	0.04	2.17	0.47	2.67	0.59
31	---	---	2.51	0.12	---	---	1.87	-0.22	2.32	0.49	---	---
MONTH	2.68	-0.61	2.92	-0.29	3.14	-0.21	2.89	-0.25	3.04	-0.21	3.76	0.38
YEAR	3.76	-0.79										

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	268	0.00	170
2	144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44	273	0.00	169
3	148	0.00	0.00	0.00	0.00	0.00	0.00	1.7	167	274	0.00	167
4	148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	332	227	96	163
5	146	0.00	0.00	0.00	0.00	0.00	0.00	67	402	158	164	163
6	62	0.00	0.00	0.00	0.00	0.00	0.00	171	382	156	100	216
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167	124	152	170	154
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87	0.00	147	167	151
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	259	469	169	143
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	390	498	167	136
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	359	223	164	142
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300	73	161	147
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113	168	160	62
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	163	156	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	158	156	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157	153	0.00
17	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	88	29	0.00
18	0.00	0.00	0.00	0.00	0.00	177	0.00	0.00	63	0.00	0.00	259
19	0.00	0.00	0.00	0.00	0.00	172	0.00	0.00	160	0.00	0.00	200
20	85	0.00	0.00	0.00	0.00	163	1.9	0.00	272	0.00	68	181
21	269	0.00	0.00	0.00	0.00	66	0.00	0.00	377	0.00	94	100
22	149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	252	0.40	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	236	0.00	0.00	65
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	347	0.00	253	149
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	265	0.00	222	146
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	232	0.00	236	61
27	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	163	0.00	122	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195	60	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	253	170	84	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	232	166	234	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	67	173	---
TOTAL	1,310.00	0.00	0.00	0.00	0.00	597.00	2.30	494.60	5,919.00	4,115.40	3,498.00	3,144.00
MEAN	42.3	0.00	0.00	0.00	0.00	19.3	0.08	16.0	197	133	113	105
MAX	269	0.00	0.00	0.00	0.00	177	1.9	171	402	498	253	259
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	2,600	0.00	0.00	0.00	0.00	1,180	4.6	981	11,740	8,160	6,940	6,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	89.6	69.2	33.3	29.5	34.1	31.3	30.1	39.9	104	88.2	99.1	104
MAX	277	332	161	123	252	246	220	249	306	226	308	336
(WY)	(1984)	(1995)	(1999)	(1979)	(2004)	(1983)	(1979)	(1979)	(1999)	(1980)	(1982)	(1983)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1962)	(1962)	(1962)	(1962)	(1962)	(1962)	(1963)	(1962)	(1963)	(1963)	(1963)	(1967)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	19,080.30			
ANNUAL MEAN	52.3		60.9	
HIGHEST ANNUAL MEAN			197	1983
LOWEST ANNUAL MEAN			1.44	1971
HIGHEST DAILY MEAN	498	Jul 10	1,490	Apr 25, 1979
LOWEST DAILY MEAN	0.00	Oct 7	-402	Sep 6, 1997
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 7	-53	Oct 21, 1999
ANNUAL RUNOFF (AC-FT)	37,850		44,130	
10 PERCENT EXCEEDS	171		204	
50 PERCENT EXCEEDS	0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00	

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26 41'50", long 80 42'50", in SW 1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, 30 ft from west bank, 800 ft downstream from Hillsboro Canal, 1,600 ft downstream from gate structure S-351 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to current year. Records of gage heights prior to October 1961 are available in files of the U.S. Geological Survey.

REVISED RECORDS.--WDR FL-77-2A, 1974, 1975; WDR FL-92-2A, 1991; WDR FL-93-2A, 1977, 1985.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to January 1, 2002, acoustic velocity meter at same site and datum. Prior to October 1, 1986, water-stage recorder at pump station 2 used for gage heights at this station. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to January 18, 1954, water-stage and deflection-meter recorder at site 1,600 ft downstream at same datum. January 19, 1965 to September 30, 1967, deflection-meter recorder at site 1,600 ft downstream. Satellite data collection platform collecting stage and velocity data was installed November 29, 1990.

REMARKS.--Records poor. Flow regulated by S-351 gate and pump station at Lake Okeechobee. Flow occasionally reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, by pumping at structure 2 or by gravity flow through gates during periods of negative heads (negative figures indicate flow reversed). Discharge was the difference in flow between North New River Canal at S-2 and S-351 and Hillsboro Canal below S-351 October 1967 to June 9, 1987. Records of stage and discharge for water year 2002 are published in the data book for water year 2003.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 43 complete water years of discharge (1958-95,1997-98, 2000, 2004-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.85 ft June 4; minimum, 8.97 ft Mar. 21.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.87	10.78	11.21	---	10.26	10.43	11.51	12.12	10.92	11.99	10.95
2	---	11.16	10.92	11.06	10.83	10.45	10.41	11.56	12.07	10.51	11.35	11.11
3	---	10.97	10.86	11.08	10.91	10.69	10.47	11.19	11.93	10.71	10.85	11.88
4	---	10.84	11.05	11.19	11.57	10.91	10.43	10.74	12.47	10.66	10.01	12.12
5	---	10.93	11.13	11.28	11.53	9.75	10.53	11.84	11.70	10.76	10.40	11.05
6	---	11.10	10.93	11.16	11.54	10.39	10.40	11.61	12.01	10.34	11.07	11.23
7	---	10.90	10.94	11.22	11.51	10.83	10.49	10.09	11.85	9.94	10.82	10.70
8	---	10.73	11.27	11.23	11.49	10.77	10.34	9.50	11.90	10.35	10.97	9.75
9	---	11.05	11.44	11.24	11.53	11.05	10.19	10.25	11.09	10.56	10.31	10.29
10	---	11.03	11.40	11.15	11.56	12.22	10.38	10.37	11.25	10.68	10.17	10.27
11	---	10.82	11.37	11.18	11.52	11.53	10.32	10.80	11.82	10.35	10.95	10.51
12	---	10.86	---	11.23	11.63	10.79	10.36	11.13	11.46	10.08	11.03	10.50
13	---	---	---	11.28	11.49	9.51	10.90	11.14	10.75	10.76	11.09	10.15
14	---	11.08	---	11.38	11.34	10.12	10.88	11.01	10.51	10.73	11.04	10.29
15	10.26	10.94	---	11.81	11.61	10.71	11.01	11.08	11.10	e10.54	10.98	10.52
16	10.13	10.69	---	11.42	11.47	10.75	11.09	10.89	11.32	---	10.76	10.38
17	10.25	11.09	11.26	10.82	11.45	10.72	10.99	10.86	11.32	11.23	10.46	10.64
18	10.29	---	11.47	10.55	11.28	11.64	11.13	10.67	11.17	11.12	10.80	10.56
19	10.51	---	11.51	10.71	10.73	11.21	11.48	10.36	10.35	10.13	11.02	10.49
20	10.25	---	11.60	10.56	11.24	10.03	11.36	10.73	10.94	9.93	10.44	10.54
21	10.79	11.10	11.59	10.48	11.31	9.82	11.36	10.99	10.22	10.12	10.54	9.68
22	10.81	11.00	11.32	11.10	11.41	10.68	11.33	10.99	9.59	9.96	10.88	10.45
23	10.30	10.72	10.94	10.97	11.71	10.17	11.33	11.12	10.40	10.07	10.70	10.78
24	10.48	11.00	10.93	11.02	11.32	10.03	11.34	11.42	11.08	10.35	10.68	10.91
25	10.58	10.93	10.94	10.91	11.24	9.70	11.29	11.55	10.11	10.51	10.18	10.90
26	10.50	---	11.10	11.10	11.32	9.53	11.25	11.63	9.95	10.49	10.13	10.84
27	10.57	---	11.39	10.76	10.89	10.56	10.90	11.33	11.61	10.25	10.68	11.18
28	11.06	10.89	11.35	11.10	10.86	10.73	11.14	11.17	12.24	10.34	11.04	10.54
29	10.97	10.98	11.19	11.10	---	10.03	11.34	10.07	12.30	10.80	10.95	11.39
30	11.06	10.92	11.26	10.94	---	9.97	11.22	9.95	11.95	11.12	10.66	10.41
31	11.05	---	11.34	10.77	---	10.60	---	10.87	---	11.06	10.64	---
TOTAL	---	---	---	343.01	---	326.15	326.09	338.42	338.58	---	333.59	321.01
MEAN	---	---	---	11.06	---	10.52	10.87	10.92	11.29	---	10.76	10.70
MAX	---	---	---	11.81	---	12.22	11.48	11.84	12.47	---	11.99	12.12
MIN	---	---	---	10.48	---	9.51	10.19	9.50	9.59	---	10.01	9.68

e Estimated

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e651	192	257	95	e29	-216	97	1,280	157	-224	253	-263
2	e261	346	217	129	293	377	18	1,330	129	-36	-54	351
3	e-58	163	235	298	509	104	-59	903	-212	-128	-553	297
4	e39	233	208	439	613	-3.8	73	315	-130	-379	-353	-3.8
5	e71	264	234	333	518	-20	171	-2.7	-371	-382	-353	166
6	e299	230	600	389	280	-207	179	-140	-16	-229	-374	129
7	e252	16	1,240	451	726	113	-17	-82	-629	-395	-450	-72
8	e328	262	1,270	390	600	-76	-218	-2.3	-768	-276	-422	3.5
9	e368	357	1,280	331	688	153	-141	-194	-517	-39	-62	-171
10	e191	233	1,100	371	776	111	-66	-37	-182	-311	-52	-88
11	e234	296	1,100	330	754	-27	-54	390	-219	-72	-321	-97
12	e258	324	1,150	337	617	269	118	426	-614	-277	-270	-238
13	e-92	e422	1,190	59	440	-26	283	311	-499	-502	-217	-178
14	e301	172	e1,280	-55	698	-332	389	381	34	-2.7	-116	229
15	0.04	-11	e1,290	111	884	-387	491	260	-234	e-220	-120	290
16	141	59	e1,260	26	1,010	-282	255	270	-318	e-272	-118	322
17	11	234	1,380	-143	1,090	-80	214	333	-351	-318	-239	201
18	98	e94	1,210	59	485	325	741	118	22	-310	-69	130
19	157	e274	1,240	-70	114	174	1,130	415	294	-222	-272	-125
20	-86	e352	1,070	10	238	108	1,540	572	-113	-374	-72	38
21	-342	203	483	35	304	66	1,460	532	-393	-423	-89	73
22	-264	170	310	253	773	-392	1,450	362	-181	-6.8	186	-120
23	-194	183	29	252	435	-389	1,470	585	-468	277	145	82
24	-171	96	-82	251	58	-304	1,530	691	-631	265	110	-34
25	-207	4.9	-17	226	38	-225	1,500	645	-329	255	204	-89
26	-52	e135	-19	73	-128	-56	1,400	354	-281	151	145	13
27	231	e123	107	252	299	-411	984	135	-318	281	108	267
28	3.1	151	83	415	113	-482	1,250	-51	163	355	60	141
29	200	183	225	8.9	---	-309	1,410	-256	39	313	-101	409
30	214	164	254	-18	---	122	1,370	198	-26	234	6.5	-18
31	-21	---	179	355	---	142	---	162	---	221	-227	---
TOTAL	2,821.14	5,924.9	20,363	5,992.9	13,254	-2,160.8	18,968	10,203.0	-6,962	-3,046.5	-3,686.5	1,644.7
MEAN	91.0	197	657	193	473	-69.7	632	329	-232	-98.3	-119	54.8
MAX	651	422	1,380	451	1,090	377	1,540	1,330	294	355	253	409
MIN	-342	-11	-82	-143	-128	-482	-218	-256	-768	-502	-553	-263
AC-FT	5,600	11,750	40,390	11,890	26,290	-4,290	37,620	20,240	-13,810	-6,040	-7,310	3,260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	-33.3	112	176	149	217	276	490	357	-29.4	-107	-97.2	-233
MAX	609	776	685	751	1,141	1,525	1,405	1,393	1,073	819	401	900
(WY)	(1995)	(1974)	(1996)	(1996)	(1993)	(1985)	(1993)	(1992)	(1979)	(1992)	(1974)	(1992)
MIN	-779	-431	-309	-1,487	-283	-782	-265	-668	-987	-939	-1,086	-1,902
(WY)	(1961)	(1999)	(1995)	(1958)	(1958)	(1970)	(1958)	(1972)	(1982)	(1959)	(1981)	(1960)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	97,958.16		63,315.84			
ANNUAL MEAN	268		173		114	
HIGHEST ANNUAL MEAN					501	1992
LOWEST ANNUAL MEAN					-232	1982
HIGHEST DAILY MEAN	1,530	May 29	1,540	Apr 20	2,920	Mar 13, 1985
LOWEST DAILY MEAN	-965	Sep 7	-768	Jun 8	-3,460	Jun 25, 1982
ANNUAL SEVEN-DAY MINIMUM	-285	Sep 4	-490	Jun 7	-2,720	Jun 18, 1959
ANNUAL RUNOFF (AC-FT)	194,300		125,600		82,620	
10 PERCENT EXCEEDS	763		732		704	
50 PERCENT EXCEEDS	203		122		117	
90 PERCENT EXCEEDS	-135		-309		-411	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

263537080211400 NORTH LOXAHATCHEE CONSERVATION AREA NO.1, NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26 35'37", long 80 21'14", in T.46 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202 in Loxahatchee Wildlife Refuge (Arthur R. Marshall). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2001 to current year. (Corrected). See REMARKS.

REVISED RECORDS.--WDR FL-03-2A, 2002.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is North American Vertical Datum of 1988 (NAVD 88). (Corrected). See REVISIONS.

REMARKS.--Station is one of several located in Conservation Area No. 1. Station was established at arbitrary datum in June 2001. Record prior to Oct. 1, 2001 is considered unreliable. All daily values records revised to NAVD 88. Unit values data prior to Oct. 1, 2004, requires a conversion of -1.67 ft to convert record to NAVD 88.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.27 ft Sept. 30, 2004 (Corrected to NAVD 88); minimum, 13.99 ft May 15, 16, 2002 (Corrected to NAVD 88).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 16.38 ft Oct. 2; minimum, 14.41 ft May 15.

REVISIONS.--Revised figures of gage height for the 2002, 2003 and 2004 water years, superseding those published in WDR FL-02-2A, WDR FL-03-2A, and WDR FL-04-2A, are provided below in the following tables.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.74	15.90	15.44	---	15.04	15.20	14.80	14.41	14.17	14.99	15.05	14.94
2	15.73	15.89	15.44	---	15.03	15.18	14.79	14.38	14.13	15.04	15.04	14.98
3	15.71	15.89	15.43	---	15.02	15.17	14.81	14.36	14.10	15.04	15.06	14.99
4	15.71	15.87	15.42	---	15.01	15.16	14.86	14.33	14.07	15.02	15.04	15.00
5	15.70	15.92	15.40	---	14.99	15.14	14.84	14.30	14.04	15.01	15.04	15.01
6	15.70	15.92	15.39	---	14.98	15.13	14.83	14.27	14.13	15.02	15.04	15.03
7	15.69	15.89	15.48	---	14.98	15.12	14.81	14.24	14.33	15.02	15.02	15.04
8	15.68	15.86	15.51	---	14.96	15.14	14.79	14.21	14.36	15.06	15.01	15.05
9	15.67	15.83	15.49	---	14.96	15.12	14.77	14.18	14.43	15.19	14.99	15.06
10	15.66	15.81	15.47	---	15.10	15.10	14.75	14.15	14.41	15.22	14.97	15.06
11	15.65	15.79	15.46	---	15.27	15.09	14.74	14.11	14.39	15.27	15.00	15.07
12	15.64	15.78	15.44	---	15.24	15.09	14.72	14.09	14.40	15.35	15.06	15.10
13	15.63	15.75	15.42	---	15.21	15.08	14.71	14.06	14.47	15.44	15.04	15.10
14	15.62	15.73	15.41	---	15.21	15.06	14.72	14.03	14.54	15.44	15.02	15.11
15	15.62	15.71	15.40	---	15.20	15.04	14.73	14.00	14.63	15.43	15.00	15.11
16	15.63	15.70	15.39	---	15.27	15.03	14.72	---	14.67	15.42	14.98	15.11
17	15.63	15.68	15.38	---	15.29	15.01	14.74	---	14.76	15.43	15.03	15.11
18	15.61	15.66	15.36	---	15.26	14.99	14.73	14.29	14.80	15.42	15.01	15.10
19	15.60	15.64	15.35	---	15.24	14.98	14.71	14.31	14.78	15.42	14.99	15.11
20	15.60	15.63	---	---	15.23	14.96	14.69	14.36	14.77	15.39	14.98	15.11
21	15.61	15.61	---	---	15.22	14.95	14.67	14.33	14.89	15.36	14.98	15.10
22	15.74	15.59	---	---	15.21	14.94	14.65	14.30	14.90	15.33	14.96	15.10
23	15.83	15.57	---	---	15.27	14.92	14.62	14.26	14.90	15.30	14.95	15.11
24	15.84	15.55	---	---	15.28	14.90	14.60	14.23	14.91	15.27	14.95	15.13
25	15.89	15.54	---	15.06	15.26	14.89	14.58	14.19	14.92	15.24	14.94	15.13
26	15.89	15.53	---	15.05	15.24	14.87	14.55	14.17	14.92	15.21	14.93	15.13
27	15.90	15.51	---	15.04	15.23	14.87	14.53	14.15	14.92	15.18	14.94	15.13
28	15.88	15.49	---	15.03	15.21	14.87	14.50	14.11	14.94	15.15	14.95	15.13
29	15.86	15.47	---	15.02	---	14.85	14.47	14.08	14.92	15.13	14.94	15.13
30	15.88	15.45	---	15.02	---	14.83	14.44	14.11	14.94	15.10	14.92	15.12
31	15.90	---	---	15.01	---	14.82	---	14.20	---	15.08	14.91	---
TOTAL	487.44	471.16	---	---	424.41	465.50	440.87	---	437.54	471.97	464.74	452.40
MEAN	15.72	15.71	---	---	15.16	15.02	14.70	---	14.58	15.22	14.99	15.08
MAX	15.90	15.92	---	---	15.29	15.20	14.86	---	14.94	15.44	15.06	15.13
MIN	15.60	15.45	---	---	14.96	14.82	14.44	---	14.04	14.99	14.91	14.94

REVISED

263537080211400 NORTH LOXAHATCHEE CONSERVATION AREA No.1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.11	15.03	15.18	15.49	15.22	14.96	14.99	14.79	14.71	15.01	14.92	15.58
2	15.11	15.04	15.18	15.49	15.21	14.95	14.98	14.79	14.69	14.99	14.98	15.59
3	15.10	15.03	15.18	15.51	15.19	14.94	14.96	14.77	14.67	14.97	15.01	15.57
4	15.09	15.03	15.17	15.50	15.18	14.94	14.95	14.75	14.69	14.95	15.01	15.57
5	15.09	15.03	15.17	15.49	15.17	14.92	14.94	14.73	14.88	14.94	14.99	15.60
6	15.07	15.02	15.17	15.48	15.16	14.91	14.92	14.70	14.90	14.94	14.99	15.65
7	15.06	15.02	15.17	15.47	15.15	14.90	14.90	14.68	14.88	14.93	15.07	15.66
8	15.05	15.01	15.17	15.46	15.14	14.88	14.88	14.65	14.95	14.92	15.07	15.65
9	15.04	15.01	15.19	15.46	15.13	14.87	14.87	14.63	15.11	14.90	15.13	15.64
10	15.03	15.00	15.30	15.45	15.12	14.87	14.87	14.60	15.10	14.87	15.20	15.64
11	15.02	14.99	15.31	15.44	15.10	14.86	14.85	14.57	15.11	14.85	15.20	15.68
12	15.01	14.99	15.32	15.43	15.09	14.85	14.83	14.54	15.07	14.83	15.21	15.65
13	14.99	14.99	15.34	15.42	15.07	14.83	14.81	14.51	15.03	14.81	15.22	15.64
14	14.99	---	15.37	15.44	15.06	14.83	14.79	14.48	15.00	14.79	15.29	15.62
15	14.98	14.98	15.38	15.43	15.06	14.82	14.78	14.45	14.98	14.79	15.33	15.61
16	14.99	15.01	15.38	15.42	15.05	14.81	14.77	14.42	14.96	14.86	15.35	15.59
17	14.98	15.11	15.38	15.41	15.05	14.92	14.75	14.40	14.94	14.84	15.36	15.57
18	14.97	15.10	15.38	15.39	15.03	14.93	14.74	14.38	14.95	14.83	15.37	15.54
19	14.96	15.10	15.39	15.38	15.02	14.92	14.73	14.39	15.01	14.81	15.39	15.51
20	14.96	15.10	15.42	15.37	15.02	14.90	14.71	14.42	15.00	14.80	15.42	15.50
21	14.95	15.24	15.47	15.35	15.01	14.95	14.69	14.38	15.01	14.78	15.47	15.49
22	14.95	15.23	15.47	15.35	15.00	14.97	14.67	14.41	15.02	14.77	15.49	15.47
23	14.95	---	15.49	15.34	15.03	15.02	14.65	14.49	15.02	14.79	15.51	15.45
24	14.95	15.21	15.50	15.32	15.01	15.03	14.62	14.50	15.04	14.78	15.56	15.44
25	14.96	15.20	15.51	15.31	15.00	15.00	14.60	14.52	15.02	14.77	15.57	15.45
26	---	15.20	15.52	15.30	14.99	14.99	14.72	14.57	15.05	14.76	15.58	15.44
27	15.03	15.19	15.52	15.28	14.98	15.01	14.79	14.70	15.12	14.75	15.57	15.45
28	15.03	15.19	15.51	15.27	14.97	15.07	14.82	14.76	15.08	14.74	15.58	15.50
29	15.02	---	15.50	15.26	---	15.05	14.81	14.76	15.06	14.77	15.60	15.52
30	15.02	15.18	15.49	15.24	---	---	14.79	14.75	15.03	14.87	15.58	15.58
31	15.02	---	15.48	15.23	---	15.01	---	14.73	---	14.91	15.57	---
TOTAL	---	---	476.01	477.18	422.21	---	444.18	452.22	449.08	460.32	474.59	466.85
MEAN	---	---	15.36	15.39	15.08	---	14.81	14.59	14.97	14.85	15.31	15.56
MAX	---	---	15.52	15.51	15.22	---	14.99	14.79	15.12	15.01	15.60	15.68
MIN	---	---	15.17	15.23	14.97	---	14.60	14.38	14.67	14.74	14.92	15.44

REVISED

263537080211400 NORTH LOXAHATCHEE CONSERVATION AREA No.1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.59	15.22	15.27	15.27	15.29	15.23	14.89	14.74	14.52	14.33	14.49	14.88
2	15.60	15.24	15.26	15.26	15.29	15.22	14.87	14.72	14.49	14.30	14.56	14.86
3	15.62	15.27	15.25	15.25	15.27	15.21	14.85	14.79	14.46	14.27	14.67	14.86
4	15.63	15.28	15.24	15.24	15.26	15.19	14.83	14.95	14.52	14.33	14.66	14.95
5	15.62	15.31	15.25	15.24	15.25	15.18	14.82	14.92	14.65	14.43	14.67	15.33
6	15.61	15.38	15.31	15.23	15.24	15.17	14.80	14.90	14.68	14.53	14.69	15.44
7	15.58	15.41	15.29	15.22	15.24	15.16	14.79	14.88	14.67	14.50	14.67	15.46
8	15.57	15.41	15.28	15.21	15.22	15.14	14.77	14.86	14.69	14.46	14.65	15.50
9	15.55	15.42	15.27	15.20	15.21	15.13	14.76	14.84	14.67	14.43	14.63	15.56
10	15.53	15.42	15.29	15.20	15.20	15.11	14.75	14.82	14.67	14.39	14.62	15.60
11	15.53	15.42	15.30	15.19	15.20	15.10	14.73	14.80	14.66	14.37	14.63	15.62
12	15.55	15.41	15.29	15.18	15.19	15.08	14.78	14.79	14.64	14.38	14.62	15.64
13	15.52	15.42	15.28	15.17	15.18	15.07	14.86	14.77	14.63	14.35	14.68	15.62
14	15.49	15.42	15.31	15.16	15.17	15.06	14.92	14.74	14.60	14.31	14.67	15.59
15	15.47	15.41	15.38	15.16	15.18	15.05	14.90	14.72	14.57	14.29	14.66	15.56
16	15.44	15.40	15.37	15.15	15.17	15.08	14.88	14.79	14.54	14.32	14.64	15.52
17	15.42	15.39	15.37	15.14	15.16	15.11	14.87	14.89	14.52	14.32	14.63	15.48
18	15.41	15.39	15.36	15.15	15.15	15.09	14.85	14.87	14.51	14.33	14.68	15.43
19	15.39	15.39	15.36	15.16	15.14	15.07	14.83	14.85	14.49	14.33	14.79	15.39
20	15.37	15.38	15.35	15.16	15.14	15.06	14.81	14.83	14.45	14.30	14.77	15.39
21	15.35	15.37	15.34	15.15	15.13	15.05	14.80	14.81	14.49	14.27	14.75	15.63
22	15.34	15.35	15.34	15.14	15.12	15.03	14.78	14.79	14.54	14.24	14.77	15.74
23	15.32	15.35	15.34	15.14	15.11	15.02	14.76	14.77	14.51	14.21	14.81	15.66
24	15.30	15.34	15.33	15.12	15.11	15.00	14.74	14.75	14.47	14.18	14.82	15.60
25	15.29	15.33	15.32	15.12	15.19	14.99	14.72	14.72	14.44	14.18	14.84	15.61
26	15.30	15.32	15.32	15.11	15.31	14.98	14.70	14.70	14.41	14.25	14.87	16.04
27	15.28	15.31	15.31	15.11	15.28	14.96	14.68	14.67	14.38	14.42	14.85	16.12
28	15.27	15.30	15.30	15.11	15.26	14.94	14.67	14.64	14.34	14.42	14.83	16.17
29	15.27	15.29	15.29	15.10	15.24	14.93	14.66	14.61	14.36	14.45	14.82	16.22
30	15.25	15.27	15.28	15.10	---	14.92	14.76	14.58	14.36	14.44	14.81	16.26
31	15.24	---	15.27	15.18	---	14.91	---	14.55	---	14.43	14.84	---
TOTAL	478.70	460.62	474.52	470.32	440.90	467.24	443.83	458.06	435.93	444.76	456.09	466.73
MEAN	15.44	15.35	15.31	15.17	15.20	15.07	14.79	14.78	14.53	14.35	14.71	15.56
MAX	15.63	15.42	15.38	15.27	15.31	15.23	14.92	14.95	14.69	14.53	14.87	16.26
MIN	15.24	15.22	15.24	15.10	15.11	14.91	14.66	14.55	14.34	14.18	14.49	14.86

REVISED

263537080211400 NORTH LOXAHATCHEE CONSERVATION AREA No.1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.28	15.30	15.10	14.90	14.79	14.64	14.89	14.52	15.13	15.26	15.12	15.16
2	16.30	15.29	15.09	14.90	14.79	14.62	14.88	14.50	15.17	15.24	15.10	15.15
3	16.33	15.27	15.08	14.89	14.78	14.61	14.87	14.50	15.17	15.24	15.08	15.13
4	16.26	15.26	15.07	14.88	14.78	14.72	14.85	14.55	15.17	15.25	15.06	15.13
5	16.19	15.25	15.06	14.87	14.77	14.72	14.84	14.66	15.14	15.22	15.08	15.18
6	16.18	15.24	15.05	14.87	14.76	14.70	14.82	14.66	15.12	15.19	15.10	15.22
7	16.20	15.23	15.04	14.87	14.75	14.69	14.81	14.63	15.12	15.17	15.08	15.21
8	16.11	15.21	15.04	14.86	14.74	14.69	14.91	14.60	15.14	15.15	15.05	15.19
9	16.03	15.20	15.03	14.85	14.73	14.80	14.92	14.57	15.12	15.16	15.04	15.17
10	15.98	15.18	15.02	14.84	14.73	14.96	14.90	14.54	15.13	15.20	15.02	15.15
11	15.91	15.17	15.02	14.83	14.71	14.95	14.89	14.51	15.17	15.20	15.01	15.16
12	15.85	15.16	15.00	14.83	14.70	14.93	14.87	14.48	15.15	15.18	15.01	15.14
13	15.78	15.15	14.99	14.82	14.68	14.91	14.86	14.46	15.13	15.16	15.01	15.11
14	15.72	15.20	14.98	14.86	14.67	14.90	14.85	14.43	15.10	15.15	15.01	15.09
15	15.66	15.23	14.97	14.93	14.66	14.89	14.83	14.58	15.07	15.13	15.02	15.07
16	15.61	15.22	14.96	14.93	14.65	14.87	14.81	14.79	15.05	15.11	15.00	15.05
17	15.56	15.21	14.96	14.91	14.63	14.92	14.79	14.77	15.03	15.09	14.99	15.04
18	15.52	15.20	14.97	14.91	14.62	15.01	14.78	14.75	15.03	15.08	14.97	15.02
19	15.49	15.19	14.96	14.89	14.60	14.99	14.76	14.73	15.08	15.06	14.95	15.01
20	15.48	15.18	14.95	14.89	14.59	14.98	14.75	14.71	15.11	15.04	14.93	15.05
21	15.46	15.17	14.94	14.88	14.58	14.96	14.73	14.71	15.12	15.02	14.95	15.08
22	15.45	15.16	14.94	14.87	14.56	14.95	14.71	14.80	15.11	15.01	15.00	15.07
23	15.42	15.15	14.94	14.87	14.55	14.94	14.69	14.83	15.09	14.99	14.99	15.09
24	15.40	15.15	14.94	14.86	14.54	14.94	14.66	14.85	15.10	14.98	14.97	15.07
25	15.38	15.14	14.95	14.85	14.57	14.92	14.63	14.83	15.08	15.00	14.97	15.06
26	15.36	15.13	14.95	14.85	14.60	14.93	14.61	14.87	15.06	15.00	15.01	15.05
27	15.34	15.12	14.94	14.84	14.65	14.97	14.62	14.91	15.07	14.99	15.05	15.05
28	15.33	15.13	14.93	14.83	14.66	14.95	14.60	14.89	15.12	15.00	15.10	15.04
29	15.33	15.11	14.93	14.82	---	14.92	14.57	14.90	15.23	15.07	15.19	15.04
30	15.32	15.10	14.92	14.81	---	14.91	14.54	14.93	15.28	15.12	15.18	15.04
31	15.30	---	14.91	14.81	---	14.90	---	15.09	---	15.13	15.18	---
TOTAL	487.53	455.70	464.63	460.82	410.84	460.79	443.24	455.55	453.59	468.59	466.22	453.02
MEAN	15.73	15.19	14.99	14.87	14.67	14.86	14.77	14.70	15.12	15.12	15.04	15.10
MAX	16.33	15.30	15.10	14.93	14.79	15.01	14.92	15.09	15.28	15.26	15.19	15.22
MIN	15.30	15.10	14.91	14.81	14.54	14.61	14.54	14.43	15.03	14.98	14.93	15.01

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

LOCATION.--Lat 26 31'10", long 80 20'50", in T.45 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2003, a tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 converted through VERTCON using the NAVD 88 survey levels from a benchmark provided by Florida Department of Environmental Protection (FDEP). The current datum of gage that started October 1, 2003, is at a datum 0.102 ft lower than previously published historic NGVD 1929 datum. Prior to October 1, 2003, datum of gage was historic NGVD 1929 (benchmark provided by U.S. Army Corps of Engineers (USACE)).

REMARKS.--Land surface is approximately 15 ft above National Geodetic Vertical datum of 1929 (Benchmark provided by FDEP converted from NAVD 88 survey levels through VERTOCON to NGVD 1929). Station is one of several located in Conservation Area No. 1. Gage is capable of recording water levels below land-surface datum. Rainfall is not published, but is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.12 ft Nov. 17, 18, 1994 (present datum); minimum, 14.75 ft May 22, 2001 (present datum).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.36 ft Oct. 2, 3; minimum, 15.73 ft May 21, 25, 26.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.20	16.70	16.48	16.28	16.12	15.94	16.18	15.91	15.94	16.58	16.39	16.52
2	17.25	16.69	16.47	16.28	16.11	15.92	16.17	15.90	16.01	16.55	16.39	16.50
3	17.35	16.68	16.46	16.27	16.11	15.92	16.17	15.90	16.05	16.56	16.37	16.50
4	17.32	16.67	16.45	16.25	16.10	15.99	16.16	15.94	16.09	16.58	16.36	16.49
5	17.28	16.66	16.44	16.25	16.09	15.99	16.15	16.01	16.12	16.53	16.35	16.52
6	17.28	16.65	16.43	16.25	16.08	15.97	16.14	16.00	16.11	16.49	16.37	16.54
7	17.31	16.63	16.42	16.25	16.08	15.96	16.12	15.98	16.17	16.46	16.43	16.52
8	17.27	16.62	16.41	16.24	16.07	15.96	16.22	15.97	16.28	16.43	16.42	16.50
9	17.23	16.61	16.41	16.23	16.07	16.04	16.24	15.95	16.25	16.45	16.40	16.48
10	17.18	16.59	16.40	16.22	16.05	16.19	16.22	15.93	16.27	16.51	16.39	16.46
11	17.14	16.58	16.39	16.21	16.03	16.18	16.21	15.91	16.35	16.51	16.37	16.44
12	17.10	16.57	16.37	16.20	16.01	16.16	16.20	15.89	16.35	16.48	16.35	16.42
13	17.05	16.56	16.36	16.20	16.00	16.15	16.19	15.87	16.33	16.46	16.36	16.40
14	17.00	16.59	16.36	16.22	16.00	16.14	16.17	15.85	16.31	16.45	16.37	16.38
15	16.95	16.61	16.34	16.27	15.99	16.12	16.15	15.84	16.28	---	16.36	16.36
16	16.90	16.60	16.33	16.27	15.99	16.12	16.13	15.82	16.26	16.41	16.34	16.34
17	16.86	16.59	16.32	16.24	15.98	16.15	16.11	15.81	16.24	16.38	16.32	16.33
18	16.82	16.58	16.34	16.23	15.96	16.25	16.10	15.79	16.23	16.36	16.30	16.31
19	16.81	16.57	16.33	16.22	15.95	16.23	16.08	15.77	16.28	16.34	16.28	16.29
20	16.83	16.56	16.32	16.21	15.94	16.21	16.07	15.76	16.30	16.32	16.26	16.31
21	16.86	16.56	16.31	16.20	15.93	16.20	16.05	15.75	16.34	16.30	16.30	16.33
22	16.84	16.55	16.31	16.20	15.92	16.20	16.04	15.80	16.33	16.27	16.42	16.33
23	16.81	16.54	16.31	16.19	15.91	16.19	16.02	15.78	16.31	16.25	16.42	16.32
24	16.80	16.53	16.31	16.19	15.91	16.19	16.00	15.76	16.30	16.25	16.39	16.31
25	16.77	16.53	16.34	16.18	15.92	16.18	15.98	15.74	16.28	16.27	16.37	16.30
26	16.76	16.51	16.34	16.17	15.94	16.18	15.97	15.77	16.26	16.26	16.42	16.28
27	16.74	16.51	16.32	16.16	15.95	16.21	15.97	15.85	16.31	16.28	16.45	16.28
28	16.72	16.51	16.31	16.16	15.96	16.21	15.96	15.83	16.40	16.34	16.44	16.26
29	16.72	16.49	16.31	16.15	---	16.20	15.94	15.81	16.53	16.36	16.46	16.26
30	16.71	16.49	16.30	16.14	---	16.19	15.93	15.79	16.60	16.41	16.46	16.25
31	16.70	---	16.29	16.13	---	16.19	---	15.84	---	16.41	16.49	---
TOTAL	526.56	497.53	507.28	502.66	448.17	499.73	483.04	491.52	487.88	---	507.80	491.53
MEAN	16.99	16.58	16.36	16.21	16.01	16.12	16.10	15.86	16.26	---	16.38	16.38
MAX	17.35	16.70	16.48	16.28	16.12	16.25	16.24	16.01	16.60	---	16.49	16.54
MIN	16.70	16.49	16.29	16.13	15.91	15.92	15.93	15.74	15.94	---	16.26	16.25

263050080145001 SITE 8T IN CONSERVATION AREA NO. 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26 30'50", long 80 14'50", in T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2003, tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum (NGVD) 1929 converted through VERTCON using the NAVD 88 survey levels from a benchmark provided by Florida Department of Environmental Protection (FDEP). The current datum of gage that started October 1, 2003, is at a datum 0.04 ft lower than previously published historic NGVD 1929 datum. Prior to October 1, 2003, datum of gage was historic NGVD 1929 (benchmark provided by U.S. Army Corps of Engineers (USACE).

REMARKS.--Land surface is approximately 15 ft above National Geodetic Vertical datum of 1929 (benchmark provided by FDEP converted from NAVD 88 survey levels through VERTCON to NGVD 1929). Station is one of several located in Conservation Area No. 1. Gage is capable of recording water levels below land-surface datum. Rainfall record is not published, but available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.07 ft Nov. 17, 1994 (present datum); minimum, 13.87 ft May 21, 22, 2001 (present datum).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.10 ft Oct. 3, 4; minimum, 15.47 ft May 25, 26, 28.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.07	16.70	16.47	16.19	16.06	15.71	16.20	15.69	15.63	16.20	15.89	16.18
2	17.07	16.69	16.46	16.19	16.04	15.70	16.18	15.68	15.77	16.23	15.86	16.20
3	17.10	16.69	16.45	16.18	16.02	15.69	16.17	15.69	15.94	16.26	15.83	16.22
4	17.08	16.68	16.43	16.17	16.00	15.77	16.14	15.68	16.06	16.28	15.85	16.23
5	17.05	16.68	16.42	16.17	15.98	15.78	16.10	15.72	16.13	16.20	15.94	16.30
6	17.02	16.68	16.40	16.15	15.96	15.78	16.06	15.75	16.20	16.15	15.94	16.33
7	17.06	16.66	16.39	16.14	15.95	15.78	16.04	15.75	16.25	16.11	15.96	16.35
8	17.04	16.64	16.39	16.13	15.94	15.78	16.16	15.74	16.25	16.06	15.98	16.38
9	17.00	16.62	16.38	16.13	15.92	15.86	16.19	15.72	16.20	16.01	15.97	16.38
10	16.96	16.58	16.37	16.12	15.91	16.03	16.17	15.71	16.14	16.03	15.95	16.36
11	16.90	16.57	16.38	16.11	15.89	16.09	16.14	15.70	16.19	15.99	15.93	16.35
12	16.84	16.58	16.37	16.10	15.87	16.13	16.12	15.68	16.16	15.94	15.95	16.34
13	16.77	16.57	16.34	16.08	15.85	16.14	16.10	15.66	16.12	15.91	16.00	16.33
14	16.72	16.58	16.33	16.12	15.83	16.14	16.10	15.64	16.06	15.94	15.96	16.31
15	16.70	16.58	16.32	16.22	15.82	16.14	16.08	15.63	16.00	---	15.93	16.28
16	16.69	16.57	16.29	16.24	15.80	16.13	16.04	15.61	15.96	15.93	15.90	16.26
17	16.67	16.58	16.29	16.23	15.78	16.17	16.02	15.59	15.95	15.89	15.88	16.24
18	16.66	16.58	16.33	16.21	15.77	16.28	15.99	15.58	15.92	15.86	15.86	16.22
19	16.65	16.57	16.33	16.20	15.74	16.31	15.96	15.55	15.96	15.84	15.83	16.20
20	16.66	16.55	16.31	16.20	15.72	16.32	15.93	15.54	15.96	15.80	15.81	16.24
21	16.75	16.54	16.28	16.21	15.71	16.31	15.90	15.52	15.98	15.77	15.79	16.25
22	16.78	16.54	16.27	16.19	15.70	16.31	15.86	15.51	15.95	15.74	15.83	16.26
23	16.78	16.53	16.27	16.19	15.68	16.31	15.84	15.50	15.91	15.71	15.84	16.27
24	16.78	16.52	16.29	16.16	15.66	16.32	15.82	15.49	15.90	15.74	15.82	16.26
25	16.77	16.53	16.31	16.15	15.66	16.30	15.79	15.48	15.87	15.82	15.84	16.25
26	16.77	16.52	16.32	16.14	15.67	16.31	15.77	15.49	15.84	15.79	15.93	16.24
27	16.75	16.51	16.30	16.13	15.69	16.33	15.77	15.49	15.83	15.77	15.98	16.24
28	16.74	16.51	16.26	16.12	15.71	16.33	15.76	15.50	15.87	15.81	15.98	16.25
29	16.73	16.49	16.24	16.07	---	16.30	15.73	15.53	16.01	15.81	16.04	16.27
30	16.71	16.48	16.22	16.07	---	16.27	15.71	15.52	16.13	15.82	16.12	16.30
31	16.71	---	16.20	16.06	---	16.23	---	15.54	---	15.94	16.17	---
TOTAL	521.98	497.52	506.41	500.77	443.33	499.05	479.84	483.88	480.14	---	493.56	488.29
MEAN	16.84	16.58	16.34	16.15	15.83	16.10	15.99	15.61	16.00	---	15.92	16.28
MAX	17.10	16.70	16.47	16.24	16.06	16.33	16.20	15.75	16.25	---	16.17	16.38
MIN	16.65	16.48	16.20	16.06	15.66	15.69	15.71	15.48	15.63	---	15.79	16.18

263000080120001 SITE 8C NEAR L-40 IN CONSERVATION AREA 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26 29'57", long 80 13'20", T.46 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, 20 ft west of L-40 near Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to Oct. 1, 2003, tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1995, datum of gage is 0.10 ft higher, from Nov. 1, 1995 to Sept. 14, 1997, datum of gage is 0.11 ft higher, from Sept. 15, 1997 to July 14, 1999, datum of gage is 0.12 ft higher, from July 15, 1999 to May 31, 2001, datum of gage is 0.13 ft higher, from June 1, 2001 to Mar. 31, 2003, datum of gage is 0.14 ft higher, from Apr. 1, 2003 to July 30, 2003, datum of gage is 0.15 ft higher, and from July 31, 2003 to Sept. 5, 2004, 0.13 ft higher than present datum. The change in datum is based upon an adjustment to PB-44 benchmark elevation surveyed by South Florida Water Management District and revised by the U.S. Army Corps of Engineers (USACE). See REMARKS.

REMARKS.--Station is one of several located in Conservation Area No. 1. Rainfall data published but available in files of the U.S. Geological Survey. The rainfall record was discontinued Sept. 30, 2003. Maximum gage height may have been exceeded. Station was destroyed during Hurricane Frances on Sept. 5, 2004 and reconstructed Dec. 1, 2004.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.08 ft Oct. 16, 1999 (present datum); minimum, 11.89 ft May 22, 2001 (present datum). (Corrected). (Maximum gage height may have been exceeded). See REMARKS.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 16.56 ft Dec. 1; minimum, 15.09 ft July 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	16.28	16.13	15.82	16.26	15.67	15.79	16.23	15.48	16.23
2	---	---	16.54	16.27	16.11	15.78	16.28	15.64	16.02	16.26	15.53	16.26
3	---	---	16.53	16.26	16.09	15.77	16.26	15.62	16.15	16.27	15.57	16.28
4	---	---	16.52	16.26	16.06	15.87	16.21	15.66	16.22	16.26	15.59	16.31
5	---	---	---	16.25	16.05	15.90	16.15	15.79	16.28	16.21	15.66	16.37
6	---	---	---	16.23	16.02	15.90	16.12	15.88	16.33	16.17	15.70	16.43
7	---	---	16.48	16.22	16.01	15.89	16.11	15.84	16.36	16.10	15.79	16.45
8	---	---	16.47	16.21	16.00	15.90	16.25	15.82	16.33	15.95	15.81	16.47
9	---	---	16.46	16.21	15.98	15.97	16.28	15.81	16.25	15.55	15.80	16.47
10	---	---	16.47	16.20	15.98	16.17	16.25	15.80	16.19	15.51	15.81	16.45
11	---	---	16.47	16.19	15.95	16.26	16.22	15.78	16.24	15.45	15.79	16.43
12	---	---	16.45	16.18	15.92	16.27	16.19	15.74	16.21	15.43	15.84	16.42
13	---	---	16.44	16.14	15.88	16.26	16.21	15.70	16.12	15.49	15.86	16.41
14	---	---	16.43	16.22	15.86	16.26	16.19	15.67	16.03	15.51	15.85	16.39
15	---	---	16.40	16.33	15.84	16.25	16.14	15.66	15.91	15.47	15.84	16.36
16	---	---	16.37	16.34	15.83	16.26	16.10	15.64	15.77	15.41	15.82	16.35
17	---	---	16.38	16.33	15.82	16.27	16.08	15.62	15.68	15.35	15.81	16.32
18	---	---	16.42	16.31	15.79	16.41	16.05	15.58	15.56	15.29	15.79	16.30
19	---	---	16.42	16.30	15.75	16.45	16.02	15.55	15.60	15.24	15.78	16.29
20	---	---	16.39	16.30	15.73	16.44	15.95	15.53	15.60	15.27	15.75	16.31
21	---	---	16.36	16.30	15.71	16.43	15.86	15.52	15.68	15.21	15.75	16.34
22	---	---	16.36	16.28	15.69	16.41	15.84	15.52	15.60	15.19	15.79	16.35
23	---	---	16.36	16.27	15.66	16.44	15.86	15.48	15.59	15.21	15.81	16.36
24	---	---	16.37	16.25	15.66	16.42	15.84	15.49	15.58	15.19	15.82	16.34
25	---	---	16.39	16.23	15.69	16.42	15.80	15.48	15.49	15.17	15.87	16.33
26	---	---	16.43	16.23	15.73	16.40	15.77	15.46	15.38	15.19	15.95	16.33
27	---	---	16.37	16.21	15.79	16.43	15.76	15.54	15.32	15.24	16.02	16.33
28	---	---	16.32	16.17	15.82	16.43	15.73	15.55	15.38	15.28	16.06	16.35
29	---	---	16.31	16.13	---	16.39	15.69	15.56	15.88	15.32	16.12	16.38
30	---	---	16.30	16.15	---	16.35	15.65	15.57	16.14	15.37	16.18	16.40
31	---	---	16.27	16.14	---	16.30	---	15.63	---	15.46	16.21	---
TOTAL	---	---	---	503.39	444.55	502.52	481.12	484.80	476.68	482.25	490.45	490.81
MEAN	---	---	---	16.24	15.88	16.21	16.04	15.64	15.89	15.56	15.82	16.36
MAX	---	---	---	16.34	16.13	16.45	16.28	15.88	16.36	16.27	16.21	16.47
MIN	---	---	---	16.13	15.66	15.77	15.65	15.46	15.32	15.17	15.48	16.23

262750080175001 SITE 9 IN CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26 27'50", long 80 17'50", in T.50 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

REVISED RECORDS.--WDR FL-97-2A, 1997.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2003 tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum (NGVD) 1929 converted through VERTCON using NAVD 88 survey levels from a benchmark provided by Florida Department of Environmental Protection (FDEP). The current datum of gage that started October 1, 2003, is at a datum 0.015 ft lower than previously published historic NGVD 1929 datum. Prior to October 1, 2003, datum of gage was historic NGVD 1929 (benchmark provided by U.S. Army Corps of Engineers (USACE).

REMARKS.--Land surface is approximately 15 ft above National Geodetic Vertical Datum of 1929 (benchmark provided by FDEP converted from NAVD 88 survey levels through VERTCON to NGVD 1929). Station is one of several located in Conservation Area No. 1. Gage is capable of recording water levels below land-surface datum. Rainfall data is not published, but available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.02 ft Oct. 15, 1999 (present datum); minimum, 14.74 ft July 3, 2004.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 16.94 ft Oct. 6, 7; minimum, 15.45 ft May 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.85	16.67	16.44	16.21	16.05	15.77	16.19	15.80	15.53	16.32	16.10	16.22
2	16.84	16.67	16.43	16.19	16.04	15.76	16.18	15.80	15.64	16.32	16.08	16.24
3	16.87	16.65	16.42	16.18	16.03	15.75	16.16	15.81	15.73	16.30	16.07	16.25
4	16.87	16.65	16.41	16.17	16.03	15.83	16.14	15.81	15.82	16.30	16.09	16.24
5	16.86	16.64	16.39	16.16	16.01	15.82	16.13	15.84	15.89	16.28	16.14	16.26
6	16.89	16.63	16.39	16.16	16.00	15.80	16.10	15.86	15.93	16.24	16.16	16.28
7	16.93	16.62	16.37	16.15	15.99	15.78	16.08	15.84	15.96	16.22	16.28	16.28
8	16.90	16.61	16.37	16.14	15.97	15.77	16.21	15.82	15.99	16.19	16.33	16.28
9	16.87	16.59	16.36	16.13	15.96	15.86	16.22	15.80	16.01	16.18	16.28	16.28
10	16.83	16.57	16.35	16.11	15.95	16.02	16.20	15.78	16.05	16.22	16.24	16.28
11	16.80	16.55	16.34	16.10	15.94	16.00	16.17	15.76	16.15	16.23	16.21	16.28
12	16.76	16.55	16.32	16.09	15.91	15.99	16.14	15.74	16.15	16.21	16.21	16.28
13	16.72	16.54	16.31	16.09	15.90	15.99	16.13	15.72	16.13	16.19	16.22	16.26
14	16.67	16.55	16.31	16.12	15.88	15.99	16.11	15.70	16.10	16.18	16.21	16.25
15	16.64	16.56	16.29	16.19	15.87	16.01	16.09	15.69	16.08	16.18	16.25	16.24
16	16.62	16.55	16.27	16.20	15.87	16.01	16.06	15.67	16.06	16.16	16.21	16.22
17	16.61	16.54	16.27	16.18	15.85	16.05	16.05	15.65	16.08	16.14	16.17	16.21
18	16.61	16.54	16.30	16.17	15.84	16.17	16.02	15.64	16.11	16.13	16.14	16.19
19	16.61	16.53	16.30	16.17	15.83	16.17	16.01	15.62	16.18	16.10	16.12	16.18
20	16.64	16.53	16.28	16.16	15.81	16.17	15.99	15.60	16.18	16.08	16.09	16.24
21	16.73	16.51	16.27	16.15	15.79	16.19	15.98	15.58	16.21	16.06	16.07	16.27
22	16.74	16.51	16.27	16.15	15.79	16.20	15.96	15.58	16.18	16.04	16.10	16.27
23	16.75	16.50	16.26	16.15	15.77	16.21	15.94	15.57	16.16	16.04	16.15	16.27
24	16.75	16.49	16.26	16.14	15.76	16.21	15.91	15.54	16.14	16.02	16.13	16.25
25	16.73	16.49	16.29	16.13	15.76	16.21	15.89	15.52	16.11	16.01	16.14	16.24
26	16.72	16.48	16.28	16.12	15.77	16.22	15.86	15.51	16.09	16.00	16.19	16.23
27	16.71	16.47	16.26	16.11	15.77	16.25	15.86	15.51	16.14	16.01	16.22	16.21
28	16.69	16.47	16.25	16.10	15.78	16.25	15.86	15.49	16.21	16.08	16.23	16.20
29	16.69	16.46	16.24	16.09	---	16.23	15.84	15.48	16.34	16.10	16.23	16.20
30	16.68	16.45	16.23	16.08	---	16.22	15.82	15.46	16.34	16.14	16.22	16.18
31	16.67	---	16.22	16.07	---	16.21	---	15.47	---	16.12	16.22	---
TOTAL	519.25	496.57	505.75	500.36	444.92	497.11	481.30	485.66	481.69	500.79	501.50	487.28
MEAN	16.75	16.55	16.31	16.14	15.89	16.04	16.04	15.67	16.06	16.15	16.18	16.24
MAX	16.93	16.67	16.44	16.21	16.05	16.25	16.22	15.86	16.34	16.32	16.33	16.28
MIN	16.61	16.45	16.22	16.07	15.76	15.75	15.82	15.46	15.53	16.00	16.07	16.18

262528080202700 SOUTH LOXAHATCHEE CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26 25'28", long 80 20'27", T.46 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202 in Loxahatchee Wildlife Refuge (Arthur R. Marshall). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2001 to current year. (Corrected). See REMARKS.

REVISED RECORDS.--WDR FL-03-2A, 2002.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is North American Vertical Datum of 1988 (NAVD 88). (Corrected). See REVISIONS.

REMARKS.--Station is one of several located in Conservation Area No. 1. Station was originally established at arbitrary datum in May 2001. Record prior to Oct. 1, 2001 is considered unreliable. All daily value records revised to NAVD 88. Unit value data prior to October 1, 2004, requires conversion of -1.36 ft to convert record to NAVD 88.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.91 ft Oct. 30, 31 and Nov. 1, 2001 (Corrected to NAVD 88); minimum, 12.96 ft July 31, 2004 (Corrected to NAVD 88).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 15.31 ft Oct. 20, 23, 24; minimum, 13.93 ft May 26.

REVISIONS.--Revised figures of gage height for the 2002, 2003 and 2004 water years, superseding those published in WDR FL-02-2A, WDR FL-03-2A and WDR FL-04-2A, are provided below in the following tables.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.55	15.90	15.44	15.30	14.94	15.13	14.37	13.65	13.27	14.73	14.61	14.98
2	15.62	15.88	15.44	15.29	14.95	15.09	14.35	13.63	13.25	14.76	14.60	14.99
3	15.67	15.81	15.43	15.29	14.96	15.06	14.34	13.61	13.23	14.77	14.58	15.06
4	15.69	15.76	15.42	15.28	14.94	15.03	14.36	13.59	13.21	14.76	14.57	15.14
5	15.70	15.81	15.41	15.25	14.92	15.00	14.34	13.56	13.19	e14.74	14.55	15.15
6	15.71	15.88	15.40	15.25	14.90	14.96	14.32	13.54	13.23	e14.77	14.55	15.17
7	15.69	15.86	15.44	15.25	14.89	14.95	14.29	13.52	13.34	e14.83	14.54	15.17
8	15.69	15.83	15.44	15.24	14.87	14.97	14.26	13.49	13.36	e14.88	14.53	15.20
9	15.70	15.80	15.44	15.21	14.86	14.94	14.23	13.47	13.36	e14.93	14.53	15.21
10	15.69	15.79	15.44	15.20	14.96	14.90	14.20	13.45	13.33	e15.00	14.52	15.21
11	15.67	15.76	15.43	15.18	15.04	14.87	14.17	13.43	13.32	e15.01	14.52	15.22
12	15.65	15.74	15.41	15.17	15.07	14.87	14.13	13.40	13.47	e15.06	14.54	15.28
13	15.63	15.73	e15.41	15.15	15.10	14.83	14.10	13.38	13.68	e15.20	14.53	15.26
14	15.61	15.72	e15.41	15.14	15.13	14.80	14.11	13.36	13.70	15.18	14.53	15.25
15	15.60	15.70	15.39	15.13	15.16	14.78	14.13	13.34	13.77	15.18	14.57	15.24
16	15.60	15.68	e15.38	15.13	15.24	14.75	14.11	---	13.76	15.17	14.59	15.23
17	15.61	15.67	15.37	15.12	15.30	14.73	14.09	13.58	13.77	e15.15	14.60	15.21
18	15.63	15.65	15.36	15.10	15.28	14.70	14.07	13.55	13.78	15.13	14.61	15.20
19	15.64	15.63	15.35	15.09	15.25	14.68	14.04	13.57	13.83	15.12	14.60	15.19
20	15.64	15.61	15.34	15.09	15.21	14.65	14.01	13.59	13.90	15.07	14.60	15.19
21	15.66	15.59	15.33	15.07	15.17	14.63	13.97	13.56	14.09	15.03	14.63	15.19
22	15.74	15.56	15.31	15.06	15.16	14.60	13.93	13.54	14.24	14.98	14.66	15.18
23	15.81	15.54	15.29	15.05	15.23	14.58	13.90	13.51	14.37	14.92	14.69	15.19
24	15.83	15.52	15.28	15.04	15.25	14.56	13.86	13.48	14.49	14.87	14.74	15.21
25	15.84	15.52	15.27	15.02	15.23	14.53	13.83	13.45	14.57	14.81	14.77	15.21
26	15.86	15.51	15.30	15.01	15.21	14.51	13.80	13.42	14.63	14.75	14.80	15.20
27	15.89	15.49	15.28	15.00	15.19	14.49	13.76	13.39	14.67	14.71	14.86	15.19
28	15.88	15.48	15.26	14.98	15.17	14.47	13.73	13.36	14.72	14.69	14.89	15.18
29	15.89	15.46	15.25	14.97	---	14.45	13.70	13.33	14.72	14.66	14.92	15.17
30	15.90	15.44	15.24	14.96	---	14.42	13.68	13.31	14.71	14.63	14.94	15.15
31	15.91	---	15.27	14.94	---	14.39	---	13.29	---	14.62	14.97	---
TOTAL	487.20	470.32	476.23	468.96	422.58	457.32	422.18	---	414.96	462.11	454.14	455.42
MEAN	15.72	15.68	15.36	15.13	15.09	14.75	14.07	---	13.83	14.91	14.65	15.18
MAX	15.91	15.90	15.44	15.30	15.30	15.13	14.37	---	14.72	15.20	14.97	15.28
MIN	15.55	15.44	15.24	14.94	14.86	14.39	13.68	---	13.19	14.62	14.52	14.98

e Estimated

REVISED

262528080202700 SOUTH LOXAHATCHEE CONSERVATION AREA No. 1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.15	15.21	15.25	15.50	15.11	14.73	14.80	14.40	14.26	14.65	14.66	15.54
2	15.16	15.21	15.26	15.49	15.08	14.71	14.78	14.45	14.19	14.62	14.70	15.54
3	15.16	15.19	15.26	15.51	15.06	14.70	14.75	14.50	14.12	14.58	14.75	15.56
4	15.15	15.17	15.26	15.51	15.04	14.70	14.71	14.47	14.09	14.58	14.80	15.57
5	15.13	15.17	15.26	15.51	15.02	14.68	14.67	14.45	14.13	14.56	14.83	15.58
6	15.12	15.17	15.27	15.51	15.01	14.66	14.63	14.43	14.15	14.55	14.88	15.64
7	15.10	15.17	15.28	15.51	15.00	14.64	14.59	14.40	14.11	14.52	14.94	15.66
8	15.10	15.15	15.26	15.48	14.98	14.62	14.55	14.36	14.13	14.49	14.97	15.64
9	15.09	15.13	15.29	15.45	14.96	14.60	14.51	14.32	14.13	14.45	15.05	15.63
10	15.08	15.10	15.40	15.43	14.94	14.58	14.49	14.28	14.19	14.42	15.20	15.63
11	15.08	15.08	15.40	15.42	14.91	14.56	14.45	14.25	14.36	14.38	15.26	15.65
12	15.08	15.06	15.42	15.39	14.89	14.54	14.42	14.23	14.40	14.35	15.28	15.64
13	15.08	15.05	15.44	15.38	14.86	14.52	14.38	14.20	14.41	14.33	15.29	15.62
14	15.08	---	15.45	15.40	14.82	14.59	14.35	14.17	14.40	14.30	15.38	15.59
15	15.10	15.01	15.45	15.40	14.79	14.58	14.33	14.14	14.38	14.29	15.40	15.57
16	15.16	15.03	15.43	15.39	14.77	14.58	14.31	14.14	14.34	14.29	15.38	15.55
17	15.17	15.15	15.44	15.39	14.76	14.67	14.32	14.10	14.31	14.29	15.37	15.53
18	15.17	15.14	15.47	15.37	14.74	14.72	14.29	14.07	14.31	14.29	15.35	15.52
19	15.17	15.15	15.48	15.36	14.73	14.75	14.27	14.05	14.36	14.31	15.36	15.50
20	15.17	15.17	15.51	15.34	14.73	14.74	14.25	14.03	14.37	14.34	15.44	15.50
21	15.17	15.32	15.54	15.33	14.73	14.76	14.23	14.00	14.49	14.42	15.49	15.51
22	15.17	15.30	15.55	15.32	14.74	14.76	14.21	14.06	14.54	14.45	15.49	15.49
23	15.18	---	15.55	15.31	14.77	14.79	14.18	14.17	14.57	14.56	15.49	15.47
24	15.18	15.30	15.56	15.27	14.78	14.82	14.14	14.17	14.62	14.49	15.49	15.46
25	15.18	15.30	15.56	15.26	14.78	14.82	14.12	14.17	14.66	14.48	15.49	15.45
26	---	15.30	15.55	15.23	14.77	14.80	14.15	14.18	14.68	14.52	15.49	15.47
27	15.21	15.30	15.55	15.19	14.75	14.78	14.21	14.26	14.71	14.54	15.49	15.47
28	15.21	15.30	15.54	15.17	14.74	14.80	14.28	14.46	14.73	14.56	15.50	15.49
29	15.21	---	15.53	15.15	---	14.82	14.29	14.44	14.71	14.60	15.51	15.58
30	15.20	15.27	15.51	15.13	---	---	14.33	14.40	14.68	14.62	15.52	15.64
31	15.20	---	15.51	15.12	---	14.82	---	14.33	---	14.64	15.52	---
TOTAL	---	---	478.23	476.22	416.26	---	431.99	442.08	431.53	448.47	472.77	466.69
MEAN	---	---	15.43	15.36	14.87	---	14.40	14.26	14.38	14.47	15.25	15.56
MAX	---	---	15.56	15.51	15.11	---	14.80	14.50	14.73	14.65	15.52	15.66
MIN	---	---	15.25	15.12	14.73	---	14.12	14.00	14.09	14.29	14.66	15.45

REVISED

262528080202700 SOUTH LOXAHATCHEE CONSERVATION AREA No. 1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.66	15.25	15.28	15.26	15.22	15.05	14.36	13.86	13.29	13.08	13.27	14.98
2	15.68	15.24	15.27	15.25	15.23	15.02	14.33	13.85	13.27	13.07	13.70	14.97
3	15.69	15.29	15.26	15.25	15.24	15.00	14.30	13.84	13.25	13.07	13.81	14.92
4	15.68	15.30	15.25	15.24	15.25	14.97	14.28	13.85	13.27	13.10	13.92	14.98
5	15.65	15.38	15.25	15.23	15.25	14.94	14.26	13.83	13.32	13.10	14.06	15.22
6	15.62	15.46	15.27	15.22	15.24	14.90	14.22	13.80	13.32	13.12	14.17	15.16
7	15.59	15.50	15.27	15.21	15.22	14.87	14.19	13.77	13.39	13.12	14.25	15.20
8	15.57	15.51	15.26	15.20	15.19	14.84	14.17	13.74	13.50	13.11	14.32	15.13
9	---	15.52	15.26	15.18	15.18	14.80	14.14	13.72	13.47	13.09	14.37	15.13
10	15.53	15.54	15.27	15.17	15.16	14.76	14.14	13.70	13.45	13.07	14.39	15.09
11	15.51	15.54	15.27	15.15	15.14	14.71	14.13	13.68	13.43	13.06	14.42	14.97
12	15.49	15.53	15.27	15.15	15.12	14.69	14.16	13.66	13.41	13.06	14.47	14.89
13	15.47	15.51	15.26	15.14	15.10	14.66	14.22	13.64	13.38	13.06	14.49	14.83
14	15.46	15.50	15.30	15.13	15.09	14.65	14.25	13.62	13.35	13.03	14.44	14.77
15	15.45	15.48	15.34	15.11	15.07	14.64	14.22	13.60	13.33	13.00	14.44	14.74
16	15.43	15.46	15.37	15.10	15.06	14.65	14.20	13.61	13.31	12.99	14.45	14.78
17	15.41	15.45	15.39	15.10	15.04	14.67	14.18	13.60	13.29	13.02	14.49	14.80
18	15.40	15.44	15.38	15.11	15.02	14.66	14.16	13.57	13.28	13.00	14.53	14.79
19	15.39	15.43	15.38	15.13	14.99	14.65	14.13	13.56	13.26	13.02	14.56	14.77
20	15.37	15.42	15.37	15.11	14.97	14.62	14.11	13.53	13.25	13.09	14.60	14.74
21	15.36	15.41	15.35	15.10	14.95	14.61	14.10	13.51	13.24	13.08	14.63	14.75
22	15.35	15.39	15.34	15.10	14.94	14.58	14.07	13.49	13.23	13.07	14.68	14.86
23	15.32	15.38	15.34	15.09	14.91	14.55	14.05	13.46	13.22	13.05	14.74	14.93
24	15.31	15.37	15.34	15.07	14.90	14.52	14.03	13.44	13.20	13.03	14.77	14.98
25	15.30	15.36	15.33	15.06	14.91	14.50	14.00	13.41	13.18	13.01	14.81	15.05
26	15.32	15.35	15.32	15.06	15.01	14.48	13.97	13.38	13.16	13.02	14.85	15.30
27	15.29	15.34	15.31	15.07	15.02	14.46	13.94	13.37	13.14	13.04	14.88	15.30
28	15.28	15.33	15.30	15.06	15.04	14.44	13.92	13.36	13.12	13.03	14.93	15.21
29	15.29	15.31	15.29	15.06	15.06	14.42	13.91	13.34	13.11	13.02	14.98	15.16
30	15.27	15.30	15.28	15.06	---	14.40	13.89	13.32	13.10	12.99	14.98	15.13
31	15.26	---	15.27	15.14	---	14.38	---	13.31	---	13.01	14.98	---
TOTAL	---	462.29	474.44	469.31	437.52	455.09	424.03	421.42	398.52	404.61	448.38	449.53
MEAN	---	15.41	15.30	15.14	15.09	14.68	14.13	13.59	13.28	13.05	14.46	14.98
MAX	---	15.54	15.39	15.26	15.25	15.05	14.36	13.86	13.50	13.12	14.98	15.30
MIN	---	15.24	15.25	15.06	14.90	14.38	13.89	13.31	13.10	12.99	13.27	14.74

REVISED

262528080202700 SOUTH LOXAHATCHEE CONSERVATION AREA No. 1, NEAR BOYNTON BEACH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.10	15.24	14.99	14.76	14.59	14.21	14.74	14.16	14.20	14.42	14.20	14.65
2	15.09	15.23	14.98	14.75	14.58	14.21	14.73	14.15	14.34	14.50	14.17	14.68
3	15.13	15.21	14.97	14.74	14.56	14.21	14.70	14.13	14.48	14.53	14.15	14.69
4	15.12	15.20	14.96	14.73	14.54	14.29	14.67	14.13	14.58	14.56	14.14	14.72
5	15.09	15.19	14.95	14.72	14.52	14.30	14.64	14.17	14.62	14.57	14.13	14.76
6	15.11	15.19	14.94	14.71	14.51	14.31	14.61	14.22	14.68	14.56	14.15	14.80
7	15.18	15.18	14.94	14.70	14.50	14.32	14.60	14.26	14.71	14.54	14.25	14.83
8	15.14	15.16	14.92	14.69	14.48	14.32	14.71	14.27	14.66	14.51	14.25	14.87
9	15.08	15.15	14.92	14.68	14.47	14.38	14.71	14.27	14.61	14.51	14.25	14.86
10	15.03	15.13	14.91	14.68	14.45	14.53	14.70	14.27	14.58	14.56	14.26	14.86
11	14.98	15.12	14.90	14.67	14.41	14.59	14.68	14.25	14.60	14.53	14.26	14.86
12	14.94	15.12	14.88	14.66	14.38	14.64	14.66	14.23	14.57	14.44	14.26	14.84
13	14.89	15.11	14.87	14.65	14.36	14.66	14.65	---	14.52	14.38	14.28	14.82
14	14.96	15.11	14.86	14.67	14.34	14.66	14.62	14.18	14.48	14.36	14.30	14.81
15	15.07	15.12	14.84	14.75	14.33	14.66	14.60	14.16	14.44	---	14.32	14.79
16	15.12	15.11	14.83	14.76	14.31	14.67	14.58	14.15	14.38	14.31	14.30	14.78
17	15.15	15.11	14.83	14.75	14.29	14.69	14.56	14.12	14.33	14.27	14.29	14.77
18	15.16	15.10	14.86	14.75	14.27	14.79	14.54	14.10	14.31	14.23	14.27	14.75
19	15.16	15.09	14.85	14.75	14.25	14.81	14.51	14.08	14.30	14.19	14.26	14.74
20	15.18	15.08	14.83	14.74	14.23	14.83	14.49	14.06	14.31	14.15	14.24	14.79
21	15.27	15.08	14.82	14.74	14.21	14.85	14.45	14.03	14.35	14.11	14.24	14.82
22	15.28	15.07	14.82	14.73	14.18	14.85	14.40	14.03	14.34	14.10	14.30	14.82
23	15.30	15.06	14.81	14.72	14.15	14.85	14.35	14.01	14.31	14.11	14.31	14.82
24	15.30	15.05	14.80	14.70	14.13	14.83	14.33	13.98	14.27	14.08	14.30	14.80
25	15.28	15.04	14.82	14.69	14.13	14.83	14.29	13.95	14.24	14.07	14.32	14.78
26	15.27	15.03	14.82	14.67	14.15	14.83	14.27	13.95	14.20	14.08	14.45	14.77
27	15.27	15.03	14.79	14.66	14.18	14.86	14.27	13.96	14.19	14.11	14.51	14.77
28	15.25	15.02	14.79	14.64	14.21	14.84	14.25	13.95	14.21	14.20	14.51	14.77
29	15.24	15.01	14.78	14.63	---	14.81	14.22	13.95	14.32	14.22	14.53	14.79
30	15.23	14.99	14.77	14.62	---	14.78	14.18	14.01	14.35	14.24	14.56	14.81
31	15.24	---	14.76	14.60	---	14.77	---	14.13	---	14.23	14.60	---
TOTAL	469.61	453.33	460.81	455.71	401.71	453.18	435.71	---	432.48	---	443.36	443.62
MEAN	15.15	15.11	14.86	14.70	14.35	14.62	14.52	---	14.42	---	14.30	14.79
MAX	15.30	15.24	14.99	14.76	14.59	14.86	14.74	---	14.71	---	14.60	14.87
MIN	14.89	14.99	14.76	14.60	14.13	14.21	14.18	---	14.19	---	14.13	14.65

262358080055700 E-4 CANAL AT CLINT-MOORE ROAD, BOCA RATON, FL

LOCATION.--Lat 26 23'58", long 80 05'57", in NE 1/4 NE 1/4 NW 1/4 sec.6, T.47 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, 0.6 mi west on Clint-Moore Road from U.S. Interstate 95 overpass in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.52 ft Oct. 15, 1999; minimum, 2.33 ft May 14-16, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.51 ft June 5; minimum, 4.09 ft May 2.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.11	4.67	4.40	4.31	4.28	4.20	4.47	4.22	4.70	4.93	4.74	4.64
2	5.17	4.64	4.39	4.29	4.29	4.17	4.49	4.13	4.82	4.99	4.74	4.61
3	5.23	4.62	4.40	4.29	4.29	4.16	4.45	4.16	4.86	4.94	4.75	4.60
4	5.09	4.60	4.40	4.29	4.29	4.43	4.42	4.35	4.89	4.91	4.74	4.79
5	5.01	4.60	4.40	4.30	4.29	4.36	4.40	4.55	5.71	4.88	4.76	4.82
6	4.99	4.58	4.39	4.32	4.28	4.31	4.39	4.52	5.34	4.85	4.79	5.21
7	5.09	4.57	4.37	4.32	4.28	4.31	4.40	4.50	5.18	4.82	4.79	5.14
8	5.01	4.56	4.35	4.29	4.28	4.29	4.58	4.47	5.08	4.80	4.77	5.01
9	4.96	4.55	4.34	4.30	4.30	4.47	4.55	4.44	5.01	4.83	4.73	4.91
10	4.93	4.53	4.33	4.30	4.28	4.66	4.50	4.39	4.98	4.81	4.71	4.85
11	4.90	4.53	4.31	4.31	4.26	4.60	4.47	4.36	5.49	4.81	4.69	4.80
12	4.88	4.54	4.28	4.32	4.27	4.54	4.45	4.36	5.35	4.78	4.63	4.76
13	4.85	4.53	4.28	4.31	4.29	4.50	4.43	4.35	5.19	4.76	4.62	4.74
14	4.81	4.52	4.27	4.39	4.29	4.48	4.42	4.37	5.10	4.76	4.60	4.70
15	4.82	4.52	4.27	4.44	4.27	4.45	4.39	4.37	5.03	4.76	4.58	4.67
16	4.78	4.50	4.28	4.45	4.25	4.48	4.36	4.35	5.01	4.75	4.58	4.65
17	4.76	4.48	4.34	4.42	4.20	4.54	4.37	4.30	5.08	4.74	4.60	4.63
18	4.75	4.49	4.46	4.39	4.15	4.66	4.37	4.29	5.10	4.73	4.57	4.62
19	4.74	4.49	4.42	4.38	4.16	4.60	4.35	4.27	5.14	4.71	4.56	4.62
20	4.83	4.48	4.38	4.37	4.20	4.57	4.34	4.29	5.17	4.72	4.54	4.66
21	4.89	4.48	4.37	4.36	4.22	4.56	4.32	4.29	5.17	4.70	4.51	4.65
22	4.83	4.47	4.39	4.36	4.21	4.54	4.31	4.27	5.10	4.68	4.51	4.63
23	4.82	4.48	4.39	4.33	4.20	4.54	4.27	4.30	5.03	4.66	4.52	4.59
24	4.82	4.49	4.37	4.31	4.19	4.53	4.25	4.33	4.99	4.74	4.49	4.55
25	4.78	4.46	4.36	4.30	4.23	4.53	4.23	4.28	4.94	4.83	4.53	4.53
26	4.74	4.44	4.36	4.29	4.23	4.51	4.18	4.38	4.91	4.88	4.63	4.53
27	4.71	4.44	4.31	4.29	4.24	4.53	4.21	4.47	4.97	4.82	4.58	4.50
28	4.69	4.42	4.31	4.27	4.25	4.52	4.27	4.43	4.97	4.78	4.55	4.51
29	4.67	4.42	4.31	4.26	---	4.49	4.24	4.41	4.92	4.75	4.53	4.51
30	4.66	4.41	4.30	4.27	---	4.48	4.24	4.41	4.89	4.74	4.51	4.54
31	4.66	---	4.32	4.29	---	4.47	---	4.47	---	4.76	4.60	---
TOTAL	150.98	135.51	134.85	134.12	118.97	138.48	131.12	135.08	152.12	148.62	143.45	140.97
MEAN	4.87	4.52	4.35	4.33	4.25	4.47	4.37	4.36	5.07	4.79	4.63	4.70
MAX	5.23	4.67	4.46	4.45	4.30	4.66	4.58	4.55	5.71	4.99	4.79	5.21
MIN	4.66	4.41	4.27	4.26	4.15	4.16	4.18	4.13	4.70	4.66	4.49	4.50

262337080074800 E-3 CANAL AT 51ST STREET, BOCA RATON, FL

LOCATION.--Lat 26 23'37", long 80 07'48", in NE 1/4 NE 1/4 NW 1/4 sec.11, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, 2.2 mi west of U.S. Interstate 95, Yamato Road exit approximately 110 yards south of 51st Street (Yamato Road) on the E-3 Canal in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 1, 1994, at site 100 yards upstream at same datum.

REMARKS.--Station is part of a canal system operated by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.53 ft June 18, 1999; minimum, 7.61 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.43 ft June 5; minimum, 7.84 ft Aug. 26.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.07	9.65	8.88	9.41	9.14	9.06	9.39	9.07	9.74	9.84	9.33	9.59
2	10.16	9.64	9.03	9.48	9.25	9.01	9.38	9.04	10.04	9.81	9.28	9.59
3	10.42	9.62	9.11	9.49	9.38	8.91	9.39	9.03	10.28	9.77	9.29	9.60
4	10.18	9.58	9.22	9.36	9.41	9.21	9.38	9.21	10.17	9.70	9.40	9.75
5	10.01	9.55	9.31	9.34	9.28	9.28	9.37	9.75	10.77	9.66	9.51	9.86
6	9.99	9.53	9.22	9.42	9.19	9.29	9.37	9.82	10.24	9.70	9.58	10.16
7	10.20	9.51	9.11	9.47	9.15	9.28	9.42	9.66	10.32	9.67	9.61	10.08
8	10.15	9.47	9.23	9.49	9.35	9.25	9.70	9.53	10.13	9.34	9.60	9.96
9	10.04	9.44	9.19	9.38	9.45	9.40	9.81	9.42	10.05	8.38	9.56	9.83
10	9.97	9.40	9.24	9.33	9.48	9.93	9.78	9.31	10.01	8.78	9.49	9.71
11	9.91	9.36	9.31	9.47	9.55	9.89	9.72	9.22	10.36	9.30	9.44	9.68
12	9.84	9.37	9.35	9.39	9.61	9.78	9.64	9.17	9.97	9.46	9.42	9.65
13	9.82	9.32	9.36	9.24	9.65	9.69	9.56	9.10	10.18	9.55	9.40	9.63
14	9.77	9.29	9.34	9.20	9.67	9.64	9.46	9.03	10.07	9.61	9.37	9.64
15	9.76	9.27	9.38	9.28	9.50	9.65	9.36	8.96	9.98	9.56	9.31	9.61
16	9.72	9.25	9.41	9.29	9.37	9.64	9.27	8.90	9.93	9.46	9.27	9.57
17	9.66	9.21	9.49	9.24	9.28	9.69	9.20	8.83	10.04	9.42	9.23	9.51
18	9.61	9.19	9.76	9.19	9.22	9.95	9.16	8.76	10.02	9.40	9.17	9.47
19	9.61	9.15	9.72	9.31	9.33	9.85	9.21	8.70	10.12	9.37	9.11	9.47
20	9.69	9.12	9.68	9.47	9.43	9.77	9.27	8.67	10.09	9.33	9.04	9.59
21	9.84	9.11	9.65	9.53	9.47	9.71	9.30	8.65	10.06	9.28	8.99	9.67
22	9.79	9.10	9.54	9.43	9.40	9.75	9.29	8.93	10.01	9.25	8.98	9.66
23	9.79	9.08	9.40	9.34	9.24	9.74	9.23	9.26	9.94	9.23	9.13	9.63
24	9.89	9.07	9.27	9.27	9.14	9.62	9.22	9.52	9.91	9.20	8.87	9.62
25	9.84	9.03	9.15	9.25	9.07	9.59	9.19	9.40	9.83	9.23	8.05	9.60
26	9.76	9.00	9.04	9.24	9.03	9.55	9.16	9.37	9.88	9.32	8.12	9.56
27	9.70	8.97	8.94	9.25	9.02	9.53	9.16	9.47	9.93	9.37	8.98	9.50
28	9.70	8.95	9.03	9.20	8.97	9.49	9.13	9.42	9.88	9.37	9.31	9.46
29	9.68	8.92	9.16	9.35	---	9.42	9.09	9.37	9.97	9.40	9.43	9.44
30	9.65	8.89	9.24	9.36	---	9.38	9.08	9.30	9.89	9.39	9.53	9.41
31	9.64	---	9.32	9.22	---	9.41	---	9.41	---	9.37	9.59	---
TOTAL	305.86	278.04	288.08	289.69	261.03	295.36	280.69	285.28	301.81	291.52	286.39	289.50
MEAN	9.87	9.27	9.29	9.34	9.32	9.53	9.36	9.20	10.06	9.40	9.24	9.65
MAX	10.42	9.65	9.76	9.53	9.67	9.95	9.81	9.82	10.77	9.84	9.61	10.16
MIN	9.61	8.89	8.88	9.19	8.97	8.91	9.08	8.65	9.74	8.38	8.05	9.41

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26 23'14", long 80 22'50", in NE $\frac{1}{4}$ sec.6, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-D, a four-gated control structure, 11.9 mi west of State Road 7 (U.S. Highway 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-D on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-D. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages. Gage is capable of recording water levels below land-surface datum. Rainfall data is not published but is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Corps of Engineers maintains raingage after September 30, 2003.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.82 ft Dec. 15, 1997; minimum, dry May 11-26, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.07 ft Oct. 15, 1996, Oct. 15, 1999; minimum, 11.43 ft May 22, 2001.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.79 ft Oct. 21, 22; minimum, 15.02 ft July 24.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.31 ft Oct. 7; minimum, 11.78 ft May 25.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.45	16.70	16.45	16.23	16.04	15.74	16.17	15.51	15.71	15.88	15.39	16.12
2	16.46	16.70	16.44	16.23	16.03	15.72	16.14	15.48	15.97	15.93	15.41	16.15
3	16.51	16.69	16.44	16.21	16.00	15.69	16.14	15.48	16.09	15.95	15.44	16.19
4	16.48	16.67	16.42	16.19	15.99	15.78	16.10	15.49	16.14	15.98	15.46	16.23
5	16.45	16.67	16.41	16.17	15.98	15.79	16.07	15.67	16.21	15.98	15.53	16.28
6	16.47	16.67	16.40	16.16	15.95	15.79	16.05	15.80	16.25	15.96	15.58	16.32
7	16.54	16.65	16.39	16.16	15.94	15.77	16.01	15.76	16.20	15.92	15.65	16.33
8	16.50	16.63	16.39	16.15	15.92	15.74	16.12	15.76	16.09	15.65	15.68	16.35
9	16.44	16.62	16.37	16.15	15.89	15.85	16.14	15.74	16.01	15.34	15.69	16.35
10	16.38	16.62	16.34	16.15	15.86	16.05	16.14	15.71	15.97	15.30	15.70	16.35
11	16.32	16.59	16.34	16.13	15.85	16.16	16.12	15.68	15.96	15.31	15.70	16.33
12	16.26	16.57	16.35	16.11	15.82	16.17	16.10	15.66	15.94	15.33	15.71	16.32
13	16.34	16.56	16.32	16.09	15.79	16.15	16.06	15.63	15.86	15.36	15.74	16.29
14	16.53	16.60	16.32	16.13	15.77	16.15	16.05	15.60	15.77	15.38	15.75	16.28
15	16.60	16.63	16.34	16.23	15.76	16.15	16.06	15.58	15.65	---	15.75	16.26
16	16.64	16.60	16.30	16.25	15.73	16.10	16.04	15.56	15.49	15.32	15.73	16.25
17	16.66	16.58	16.30	16.25	15.71	16.17	16.02	15.55	15.44	15.26	15.72	16.24
18	16.65	16.57	16.31	16.25	15.70	16.29	15.98	15.53	15.36	15.19	15.71	16.22
19	16.63	16.55	16.31	16.23	15.68	16.33	15.95	15.49	15.34	15.19	15.70	16.23
20	16.65	16.55	16.30	16.21	15.66	16.35	15.87	15.44	15.33	15.25	15.68	16.29
21	16.72	16.54	16.29	16.20	15.62	16.33	15.76	15.40	15.41	15.19	15.67	16.31
22	16.77	16.53	16.28	16.18	15.59	16.33	15.73	15.42	15.42	15.12	15.70	16.29
23	16.77	16.52	16.26	16.17	15.58	16.31	15.72	15.39	15.43	15.12	15.73	16.28
24	16.76	16.50	16.27	16.17	15.55	16.32	15.72	15.34	15.40	15.08	15.75	16.27
25	16.75	16.49	16.28	16.14	15.59	16.30	15.69	15.32	15.30	15.09	15.83	16.26
26	16.75	16.50	16.25	16.11	15.63	16.30	15.64	15.35	15.23	15.11	15.93	16.23
27	16.74	16.48	16.27	16.10	15.63	16.30	15.65	15.40	15.17	15.15	15.98	16.24
28	16.73	16.49	16.26	16.11	15.70	16.28	15.64	15.42	15.21	15.18	15.99	16.28
29	16.72	16.48	16.25	16.10	---	16.26	15.60	15.43	15.54	15.22	16.03	16.31
30	16.71	16.46	16.25	16.06	---	16.23	15.56	15.44	15.77	15.28	16.07	16.32
31	16.70	---	16.25	16.06	---	16.20	---	15.52	---	15.36	16.10	---
TOTAL	514.08	497.41	506.15	501.08	441.96	499.10	478.04	481.55	470.66	---	487.50	488.17
MEAN	16.58	16.58	16.33	16.16	15.78	16.10	15.93	15.53	15.69	---	15.73	16.27
MAX	16.77	16.70	16.45	16.25	16.04	16.35	16.17	15.80	16.25	---	16.10	16.35
MIN	16.26	16.46	16.25	16.06	15.55	15.69	15.56	15.32	15.17	---	15.39	16.12

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.17	13.88	13.16	12.58	12.38	12.27	12.40	12.17	12.04	14.71	13.50	13.09
2	16.18	13.84	13.14	12.57	12.38	12.26	12.38	12.13	12.14	14.73	13.45	13.09
3	16.22	13.80	13.10	12.56	12.38	12.26	12.34	12.11	13.04	14.73	13.41	13.10
4	16.21	13.76	13.07	12.55	12.37	12.37	12.35	12.14	14.45	14.74	13.39	13.14
5	16.18	13.71	13.03	12.56	12.34	12.35	12.36	12.23	14.50	14.74	13.34	13.19
6	16.21	13.67	13.00	12.56	12.35	12.33	12.37	12.21	14.44	14.73	13.32	13.19
7	16.28	13.65	12.97	12.56	12.35	12.33	12.51	12.18	14.83	14.72	13.35	13.18
8	16.25	13.62	12.93	12.56	12.34	12.33	12.61	12.16	15.06	15.13	13.34	13.18
9	16.20	13.60	12.90	12.54	12.35	12.39	12.58	12.14	15.05	15.29	13.29	13.14
10	16.15	13.59	12.87	12.54	12.34	12.52	12.57	12.11	15.05	15.27	13.25	13.08
11	16.10	13.55	12.82	12.54	12.30	12.50	12.57	12.09	15.06	15.10	13.20	13.05
12	16.06	13.53	12.77	12.54	12.30	12.47	12.56	12.06	15.06	14.85	13.19	13.02
13	15.70	13.51	12.75	12.57	12.32	12.44	12.53	12.04	15.04	14.70	13.19	13.01
14	15.06	13.49	12.73	12.62	12.33	12.43	12.51	12.02	15.02	14.68	13.14	12.99
15	14.81	13.46	12.66	12.67	12.32	12.43	12.48	12.00	14.98	---	13.13	12.98
16	14.52	13.43	12.66	12.63	12.31	12.45	12.46	11.98	14.89	14.64	13.12	---
17	14.37	13.41	12.65	12.58	12.31	12.46	12.45	11.96	14.84	14.62	13.10	---
18	14.29	13.39	12.67	12.55	12.29	12.54	12.46	11.93	14.82	14.59	13.08	---
19	14.23	13.38	12.66	12.55	12.28	12.51	12.46	11.91	14.81	14.24	13.05	---
20	14.23	13.37	12.64	12.55	12.29	12.50	12.42	11.89	14.80	13.91	13.03	---
21	14.22	13.36	12.63	12.54	12.29	12.50	12.38	11.87	14.83	13.82	13.01	13.00
22	14.19	13.34	12.64	12.54	12.28	12.50	12.40	11.91	14.83	13.76	13.03	12.99
23	14.17	13.32	12.64	12.53	12.28	12.47	12.37	11.90	14.82	13.71	13.07	12.99
24	14.13	13.31	12.62	---	12.28	12.45	12.32	11.86	14.82	13.66	13.02	12.98
25	14.09	13.29	12.60	---	12.28	12.44	12.30	11.83	14.79	13.65	13.00	---
26	14.06	13.26	12.58	---	12.28	12.43	12.31	11.83	14.77	13.71	13.16	---
27	14.03	13.24	12.55	---	12.31	12.44	12.28	11.84	14.73	13.67	13.17	---
28	13.99	13.22	12.57	---	12.31	12.40	12.24	11.83	14.67	13.62	13.12	---
29	13.96	13.20	12.58	12.44	---	12.38	12.22	11.84	14.68	13.60	13.11	---
30	13.92	13.18	12.58	12.42	---	12.39	12.20	11.89	14.71	13.58	13.10	---
31	13.89	---	12.59	12.40	---	12.40	---	11.92	---	13.54	13.09	---
TOTAL	466.07	404.36	395.76	---	344.94	384.94	372.39	371.98	437.57	---	408.75	---
MEAN	15.03	13.48	12.77	---	12.32	12.42	12.41	12.00	14.59	---	13.19	---
MAX	16.28	13.88	13.16	---	12.38	12.54	12.61	12.23	15.06	---	13.50	---
MIN	13.89	13.18	12.55	---	12.28	12.26	12.20	11.83	12.04	---	13.00	---

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26 22'16", long 80 21'00", in NW $\frac{1}{4}$ sec.14, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway, 200 ft northeast of S-10-C, a four-gated control structure, 9.6 mi west of State Road 7 (U.S. Highway 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-C on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages. Water levels below land-surface datum can be recorded.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.82 ft Dec. 15, 1997; minimum, 11.79 ft May 22, 23, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.92 ft Oct. 15, 1999; minimum, 11.45 ft May 22, 2001.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.80 ft Oct. 23; minimum, 15.10 ft July 24, 25.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.22 ft Oct. 7; minimum, 11.84 ft May 25, 26.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.20	16.71	16.47	16.24	16.03	15.68	16.14	15.51	15.65	15.87	15.37	16.11
2	16.20	16.70	16.46	16.23	16.00	15.67	16.11	15.52	15.86	15.93	15.40	16.14
3	16.26	16.70	16.46	16.22	15.98	15.65	16.13	15.52	15.99	15.96	15.45	16.18
4	16.24	16.68	16.44	16.20	15.97	15.76	16.08	15.53	16.04	15.98	15.47	16.21
5	16.20	16.67	16.43	16.18	15.97	15.76	16.05	15.62	16.10	15.99	15.53	16.26
6	16.25	16.69	16.42	16.15	15.94	15.76	16.02	15.74	16.17	15.98	15.58	16.31
7	16.34	16.67	16.40	16.15	15.91	15.74	15.98	15.74	16.13	---	15.66	16.33
8	16.29	16.66	16.39	16.14	15.90	15.72	16.10	15.72	16.01	15.56	15.69	16.35
9	16.23	16.64	16.38	16.14	15.87	15.83	16.13	15.71	15.90	15.18	15.69	16.35
10	16.17	16.63	16.35	16.14	15.84	16.02	16.13	15.70	15.86	15.18	15.69	16.35
11	16.11	16.60	16.35	16.13	15.84	16.08	16.12	15.67	15.88	15.17	15.69	16.33
12	16.05	16.58	16.37	16.11	15.80	16.13	16.09	15.65	15.84	15.23	15.71	16.31
13	16.12	16.58	16.34	16.08	15.77	16.12	16.05	15.62	15.77	15.35	15.74	16.29
14	16.40	16.60	16.33	16.13	15.74	16.12	16.05	15.59	15.70	15.38	15.75	16.27
15	16.52	16.63	16.37	16.25	15.73	16.13	16.06	15.56	15.60	---	15.74	16.25
16	16.61	16.61	16.32	16.27	15.71	16.08	16.05	15.55	15.44	15.31	15.73	16.24
17	16.64	16.58	16.31	16.29	15.69	16.15	16.03	15.53	15.41	15.27	15.71	16.23
18	16.63	16.58	16.34	16.27	15.69	16.27	15.97	15.52	15.33	15.20	15.70	16.21
19	16.62	16.56	16.33	16.24	15.66	16.30	15.93	15.47	15.31	15.16	15.69	16.22
20	16.65	16.55	16.32	16.22	15.63	16.32	15.88	15.43	15.30	15.20	15.67	16.26
21	16.75	16.55	16.30	16.21	15.60	16.30	15.79	15.40	15.38	15.16	15.66	16.27
22	16.77	16.54	16.29	16.19	15.57	16.29	15.73	15.41	15.36	15.12	15.68	16.26
23	16.78	16.53	16.26	16.19	15.55	16.28	15.71	15.38	15.36	15.12	15.73	16.26
24	16.78	16.50	16.27	16.19	15.51	16.29	15.72	15.34	15.33	15.11	15.73	16.25
25	16.77	16.50	16.30	16.16	15.54	16.26	15.68	15.33	15.26	15.11	15.81	16.24
26	16.76	16.51	16.27	16.13	15.60	16.27	15.63	15.34	15.19	15.12	15.86	16.22
27	16.75	16.50	16.31	16.12	15.59	16.26	15.63	15.39	15.14	15.15	15.91	16.22
28	16.74	16.50	16.27	16.11	15.65	16.24	15.64	15.41	15.19	15.18	15.92	16.25
29	16.74	16.50	16.26	16.07	---	16.24	15.59	15.44	15.51	15.22	15.96	16.28
30	16.72	16.48	16.26	16.03	---	16.22	15.54	15.44	15.75	15.27	16.02	16.29
31	16.72	---	16.25	16.04	---	16.18	---	15.50	---	15.34	16.08	---
TOTAL	511.01	497.73	506.62	501.22	441.28	498.12	477.76	481.28	468.76	---	487.02	487.74
MEAN	16.48	16.59	16.34	16.17	15.76	16.07	15.93	15.53	15.63	---	15.71	16.26
MAX	16.78	16.71	16.47	16.29	16.03	16.32	16.14	15.74	16.17	---	16.08	16.35
MIN	16.05	16.48	16.25	16.03	15.51	15.65	15.54	15.33	15.14	---	15.37	16.11

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.09	13.85	13.10	12.51	12.40	12.29	12.40	12.16	12.13	14.50	13.53	13.08
2	16.09	13.81	13.08	12.50	12.40	12.28	12.38	12.12	12.22	14.50	13.48	---
3	16.11	13.76	13.05	12.50	12.40	12.28	12.35	12.10	13.03	14.50	13.44	---
4	16.11	13.73	13.01	12.49	12.38	12.39	12.35	12.14	14.38	14.50	13.43	---
5	16.08	13.69	12.97	12.50	12.36	12.36	12.35	12.25	14.43	14.50	13.36	---
6	16.12	13.65	12.94	12.50	12.36	12.34	12.36	12.23	14.36	14.50	13.33	---
7	16.20	13.63	12.90	12.50	12.36	12.34	12.50	12.19	14.61	---	13.31	---
8	16.17	13.59	12.87	12.49	12.36	12.34	---	12.17	14.86	14.91	13.31	---
9	16.12	13.57	12.84	12.48	12.37	12.41	---	12.14	14.88	15.17	13.25	---
10	16.07	13.55	12.81	12.47	12.35	12.54	---	12.12	14.89	15.20	13.20	13.07
11	16.02	13.52	12.75	12.47	12.32	12.51	---	12.10	14.91	15.07	13.17	13.04
12	15.97	13.49	12.71	12.48	12.32	12.47	12.55	12.07	14.92	14.81	13.17	13.02
13	15.66	13.47	12.70	12.50	12.34	12.45	12.54	12.05	14.92	14.60	13.17	13.00
14	15.02	13.46	12.66	12.55	12.34	12.44	12.51	12.03	14.91	14.57	13.14	12.99
15	14.78	13.43	12.60	12.60	12.33	12.43	12.49	12.01	14.89	---	13.13	12.98
16	14.50	13.39	12.60	12.56	12.32	12.45	12.47	11.99	14.84	14.53	13.11	12.97
17	14.34	13.37	12.60	12.51	12.32	12.46	12.45	11.97	14.79	14.52	13.09	12.96
18	14.25	13.35	12.63	12.50	12.30	12.52	12.46	11.94	14.76	14.50	13.06	12.95
19	14.20	13.34	12.61	12.50	12.30	12.49	12.46	11.92	14.75	14.25	13.05	12.94
20	14.19	13.32	12.58	12.50	12.30	12.48	12.41	11.90	14.75	13.96	13.03	12.98
21	14.20	13.30	12.57	12.49	12.30	12.48	12.38	11.89	14.76	13.88	13.01	13.02
22	14.18	13.28	12.58	12.49	12.29	12.48	12.40	11.93	14.76	13.82	13.03	13.01
23	14.16	13.26	12.58	12.48	12.29	12.46	12.38	11.92	14.76	13.77	13.06	13.01
24	14.12	13.25	12.56	12.44	12.30	12.44	12.33	11.89	14.76	13.73	13.01	13.00
25	14.08	13.23	12.55	12.45	12.30	12.44	12.30	11.87	14.74	13.72	13.00	12.99
26	14.04	13.21	12.53	12.44	12.30	12.43	12.30	11.87	14.72	13.77	13.14	12.98
27	14.01	13.19	12.50	12.44	12.33	12.44	12.27	11.91	14.67	13.72	13.15	12.96
28	13.97	13.17	12.52	12.45	12.32	12.41	12.23	11.90	14.55	13.67	13.12	12.96
29	13.93	13.15	12.52	12.43	---	12.39	12.21	11.90	14.50	13.64	13.11	12.98
30	13.89	13.13	12.52	12.42	---	12.39	12.19	11.96	14.50	13.61	13.10	13.00
31	13.86	---	12.53	12.41	---	12.40	---	12.00	---	13.57	13.09	---
TOTAL	464.53	403.14	393.97	387.05	345.36	385.03	---	372.64	434.95	---	408.58	---
MEAN	14.98	13.44	12.71	12.49	12.33	12.42	---	12.02	14.50	---	13.18	---
MAX	16.20	13.85	13.10	12.60	12.40	12.54	---	12.25	14.92	---	13.53	---
MIN	13.86	13.13	12.50	12.41	12.29	12.28	---	11.87	12.13	---	13.00	---

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26 21'32", long 80 18'37", in NE 1/4 sec.24, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-A, a four-gated control structure, 6.9 mi west of State Road 7 (U.S. Highway 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-A on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-A. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages. Water levels below land-surface datum can be recorded. Revised figures of downstream stage for water year 2000 are available in the files of the U.S. Geological Survey. These supersede those published in the water year 2000 report. Revisions were necessary due to new levels run on February 7, 2002.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.78 ft Dec. 14, 15, 1998; minimum gage height, 12.03 ft May 23, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.77 ft (estimated) Oct. 16, 1999; minimum, 11.43 ft May 22, 2001.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.76 ft Oct. 26; minimum, 15.06 ft July 22, 24, 25.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 16.15 ft Oct. 7; minimum, 11.79 ft May 29.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.20	16.70	16.47	16.24	16.04	15.69	16.14	15.52	15.66	15.89	15.38	16.14
2	16.20	16.69	16.46	16.23	16.01	15.68	16.13	15.52	15.87	15.94	15.42	16.17
3	16.25	16.69	16.46	16.22	15.99	15.66	16.15	15.51	15.99	15.97	15.46	16.20
4	16.23	16.68	16.44	16.20	15.98	15.77	16.10	15.53	16.04	15.99	15.48	16.23
5	16.19	16.67	16.43	16.17	15.98	15.78	16.05	15.62	16.10	16.00	15.54	16.27
6	16.25	16.69	16.41	16.15	15.94	15.78	16.02	15.74	16.18	15.99	15.59	16.33
7	16.34	16.67	16.39	16.14	15.92	15.76	16.01	15.73	16.14	15.95	15.67	16.35
8	16.30	16.66	16.39	16.14	15.90	15.74	16.12	15.71	16.01	15.55	15.70	16.38
9	16.22	16.64	16.38	16.14	15.88	15.86	16.16	15.70	15.89	15.13	15.69	16.38
10	16.16	16.62	16.36	16.14	15.86	16.04	16.15	15.70	15.84	15.17	15.70	16.38
11	16.10	16.59	16.37	16.12	15.86	16.09	16.12	15.67	15.89	15.16	15.69	16.36
12	16.05	16.59	16.38	16.11	15.82	16.14	16.09	15.64	15.84	15.22	15.72	16.35
13	16.11	16.58	16.35	16.06	15.77	16.14	16.06	15.61	15.78	15.35	15.75	16.32
14	16.37	16.60	16.35	16.13	15.75	16.14	16.06	15.58	15.70	15.39	15.75	16.30
15	---	16.63	16.38	16.26	15.74	16.14	16.08	15.56	15.60	---	15.74	16.28
16	---	16.60	16.33	16.29	15.72	16.09	16.06	15.54	15.46	15.31	15.73	16.27
17	---	16.59	16.32	16.30	15.71	16.16	16.03	15.53	---	15.26	15.72	16.26
18	---	16.59	16.35	16.29	15.70	16.29	15.97	15.52	---	15.20	15.71	16.24
19	---	16.57	16.34	16.25	15.67	16.32	15.92	15.47	---	15.15	15.70	16.24
20	---	16.56	16.33	16.23	15.63	16.32	15.87	15.43	---	15.18	15.68	16.28
21	---	16.55	16.30	16.22	15.59	16.31	15.79	15.41	---	15.14	15.67	16.28
22	---	16.55	16.29	16.20	15.57	16.29	15.73	15.41	---	15.09	15.70	16.28
23	---	16.53	16.27	16.20	15.55	16.30	15.72	15.38	---	15.11	15.74	16.28
24	---	16.51	16.29	16.20	15.52	16.30	15.73	15.36	---	15.09	---	16.28
25	---	16.51	16.31	16.16	15.56	16.28	15.69	15.34	---	15.08	15.85	16.26
26	---	16.53	16.30	16.14	15.61	16.28	15.63	15.36	---	15.10	---	16.25
27	16.75	16.50	16.32	16.12	15.61	16.28	15.64	15.41	---	15.16	---	16.25
28	16.75	16.51	16.27	16.11	15.66	16.27	15.64	15.42	15.20	15.19	---	16.28
29	16.73	16.51	16.26	16.06	---	16.26	15.57	15.45	15.53	15.23	16.02	16.31
30	16.72	16.49	16.25	16.04	---	16.23	15.52	15.45	15.77	15.28	16.07	16.32
31	16.71	---	16.24	16.05	---	16.19	---	15.51	---	15.35	16.11	---
TOTAL	---	497.80	506.79	501.31	441.54	498.58	477.95	481.33	---	---	---	488.52
MEAN	---	16.59	16.35	16.17	15.77	16.08	15.93	15.53	---	---	---	16.28
MAX	---	16.70	16.47	16.30	16.04	16.32	16.16	15.74	---	---	---	16.38
MIN	---	16.49	16.24	16.04	15.52	15.66	15.52	15.34	---	---	---	16.14

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.00	13.83	13.09	12.49	12.39	12.28	12.39	12.17	12.02	14.35	13.48	13.05
2	16.00	13.79	13.06	12.48	12.38	12.27	12.40	12.13	12.12	14.34	13.44	13.05
3	16.05	13.75	13.03	12.48	12.39	12.26	12.36	12.11	12.76	14.33	13.39	13.07
4	16.04	13.71	12.99	12.48	12.38	12.37	12.35	12.14	13.90	14.33	13.37	13.11
5	16.01	13.68	12.95	12.48	12.35	12.35	12.35	12.23	13.98	14.33	13.33	13.15
6	16.07	13.64	12.92	12.48	12.35	12.33	12.34	12.22	13.98	14.33	13.29	13.16
7	16.14	13.62	12.88	12.48	12.35	12.33	12.49	12.17	14.24	14.32	13.30	13.17
8	16.11	13.59	12.85	12.47	12.35	12.34	12.62	12.15	14.52	14.72	13.27	13.20
9	16.04	13.56	12.82	12.46	12.35	12.40	12.59	12.12	14.56	15.07	13.21	13.14
10	15.99	13.53	12.79	12.46	12.35	12.53	12.58	12.10	14.57	15.13	13.16	13.07
11	15.95	13.50	12.76	12.46	12.32	12.50	12.56	12.08	14.62	15.01	13.13	13.04
12	15.90	13.48	12.71	12.46	12.31	12.46	12.55	12.06	14.62	14.74	13.13	13.02
13	15.64	13.46	12.69	12.47	12.32	12.44	12.55	12.03	14.62	14.50	13.13	13.00
14	15.00	13.44	12.67	12.54	12.33	12.43	12.53	12.02	14.62	14.44	13.09	12.99
15	14.76	13.40	12.60	12.60	12.32	12.41	12.50	12.01	14.61	---	13.08	12.98
16	14.50	13.38	12.59	12.57	12.31	12.43	12.47	11.98	14.57	14.37	13.06	12.97
17	14.34	13.36	12.60	12.52	12.31	12.45	12.46	11.96	---	14.35	13.04	12.95
18	14.25	13.34	12.62	12.49	12.30	12.54	12.46	11.93	---	14.34	13.03	12.93
19	14.20	13.32	12.60	12.49	12.29	12.50	12.46	11.90	---	14.16	13.00	12.92
20	14.20	13.30	12.57	12.49	12.29	12.48	12.41	11.89	---	13.92	12.99	12.95
21	14.19	13.28	12.56	12.48	12.29	12.48	12.38	11.89	---	13.83	12.97	12.99
22	14.17	13.26	12.56	12.48	12.28	12.47	12.40	11.92	---	13.78	13.00	12.98
23	14.14	13.25	12.56	12.47	12.28	12.47	12.39	11.91	---	13.74	13.02	12.98
24	14.10	13.24	12.55	12.44	12.28	12.45	12.35	11.89	---	13.69	---	12.97
25	14.06	13.23	12.54	12.44	12.29	12.45	12.31	11.87	---	13.68	12.97	12.96
26	14.02	13.19	12.55	12.43	12.29	12.44	12.31	11.85	---	13.72	---	12.94
27	13.99	13.18	12.50	12.43	12.32	12.44	12.29	11.85	---	13.68	---	12.93
28	13.95	13.16	12.50	12.42	12.31	12.43	12.23	11.83	---	13.63	---	12.92
29	13.92	13.13	12.50	12.41	---	12.40	12.20	11.83	14.37	13.60	13.07	12.95
30	13.88	13.11	12.50	12.41	---	12.40	12.18	11.89	14.35	13.57	13.06	12.95
31	13.84	---	12.50	12.40	---	12.40	---	11.91	---	13.53	13.05	---
TOTAL	463.45	402.71	393.61	386.66	345.08	384.93	372.46	372.04	---	---	---	390.49
MEAN	14.95	13.42	12.70	12.47	12.32	12.42	12.42	12.00	---	---	---	13.02
MAX	16.14	13.83	13.09	12.60	12.39	12.54	12.62	12.23	---	---	---	13.20
MIN	13.84	13.11	12.50	12.40	12.28	12.26	12.18	11.83	---	---	---	12.92

261952080074500 E-3 CANAL AT SW 18TH STREET, BOCA RATON, FL

LOCATION.--Lat 26 19'52", long 80 07'45", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.35, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, 0.7 mi west of U.S. Interstate 95, 1.5 mi south of Palmetto Park Road exit in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Salinity monitoring was discontinued for water year 2001. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.79 ft May 4, 1982; minimum, 4.65 ft Sept. 15, 2004.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.43 ft June 5; minimum, 5.49 ft Aug. 26.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.67	9.58	8.86	9.45	---	9.10	9.36	9.14	9.57	9.60	9.29	9.51
2	9.72	9.56	9.05	9.52	---	9.03	9.36	9.15	9.68	9.59	9.24	9.52
3	9.78	9.54	9.12	9.51	---	8.93	9.40	9.16	9.90	9.55	9.24	9.52
4	9.62	9.51	9.26	9.34	---	9.20	9.38	9.28	9.86	9.49	9.35	9.65
5	9.60	9.49	9.36	9.37	---	9.27	9.36	9.59	9.18	9.49	9.46	9.74
6	9.67	9.47	9.19	9.44	---	9.28	9.35	9.65	9.03	9.56	9.51	9.83
7	9.77	9.46	9.11	9.49	---	9.25	9.35	9.48	9.83	9.54	9.54	9.74
8	9.69	9.41	9.25	9.50	---	9.22	9.61	9.37	9.68	8.17	9.53	9.69
9	9.63	9.37	9.16	9.35	---	9.37	9.67	9.27	9.65	6.55	9.49	9.63
10	9.57	9.33	9.28	9.27	---	9.81	9.63	9.21	9.67	8.71	9.43	9.56
11	9.52	9.31	9.36	9.40	---	9.76	9.61	9.22	8.81	9.22	9.38	9.57
12	9.54	9.31	9.41	9.32	9.57	9.62	9.56	9.18	8.75	9.39	9.37	9.56
13	9.58	9.27	9.44	9.19	9.59	9.53	9.48	9.13	9.76	9.48	9.34	9.55
14	9.54	9.25	9.45	9.15	9.60	9.52	9.40	9.05	9.69	9.52	9.31	9.56
15	9.56	9.23	9.46	---	9.43	9.57	9.32	8.98	9.66	9.48	9.27	9.54
16	9.52	9.20	9.47	---	9.30	9.55	9.24	8.93	9.66	9.41	9.22	9.50
17	9.49	9.18	9.53	---	9.21	9.61	9.19	8.86	9.73	9.38	9.18	9.45
18	9.50	9.15	9.65	---	9.16	9.80	9.15	8.79	9.74	9.36	9.12	9.42
19	9.52	9.12	9.67	---	9.29	9.71	9.23	8.74	9.85	9.33	9.07	9.44
20	9.57	9.10	9.66	---	9.38	9.62	9.27	8.70	9.73	9.29	9.00	9.54
21	9.61	9.07	9.61	---	9.41	9.58	9.31	8.73	9.68	9.24	8.95	9.61
22	9.59	9.06	9.43	---	9.34	9.63	9.33	9.05	9.69	9.21	8.94	9.60
23	9.59	9.04	9.28	---	9.18	9.63	9.32	9.25	9.64	9.19	9.08	9.58
24	9.64	9.00	9.18	---	9.08	9.51	9.30	9.46	9.63	9.16	8.45	9.59
25	9.59	8.98	9.08	---	9.02	9.50	9.27	9.36	9.58	9.17	5.91	9.56
26	9.54	8.95	8.98	---	9.00	9.47	9.23	9.34	9.64	9.26	7.03	9.52
27	9.53	8.92	8.95	---	8.97	9.42	9.22	9.43	9.67	9.32	8.93	9.46
28	9.53	8.91	9.09	---	8.99	9.40	9.23	9.40	9.64	9.32	9.25	9.42
29	9.55	8.88	9.24	---	---	9.34	9.19	9.35	9.71	9.35	9.39	9.40
30	9.58	8.85	9.30	---	---	9.32	9.16	9.28	9.64	9.34	9.49	9.37
31	9.58	---	9.37	---	---	9.36	---	9.40	---	9.33	9.53	---
TOTAL	297.39	276.50	288.25	---	---	292.91	280.48	284.93	287.95	286.00	281.29	286.63
MEAN	9.59	9.22	9.30	---	---	9.45	9.35	9.19	9.60	9.23	9.07	9.55
MAX	9.78	9.58	9.67	---	---	9.81	9.67	9.65	9.90	9.60	9.54	9.83
MIN	9.49	8.85	8.86	---	---	8.93	9.15	8.70	8.75	6.55	5.91	9.37

261710080190001 SITE 19 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26 16'55", long 80 18'23", T.48 S., R.40 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near Coral Springs. Station is located approximately 0.5 mi west of the Sawgrass Expressway and 1 mi north of Sample Road in line with the water tower in Coral Springs. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 10.60 ft above National Geodetic Vertical Datum of 1929. Station is one of several located in Conservation Area 2A. Rainfall data available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army corps of Engineers maintains raingage after September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.33 ft Dec. 9, 10, 1994; minimum, 10.83 ft July 1-4.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.65 ft Oct. 7; minimum, 10.97 ft Feb. 24-28, Mar. 1-3, May 2, 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.23	13.72	12.98	11.84	11.21	10.97	---	10.98	11.13	13.45	13.33	12.88
2	14.29	13.68	12.92	11.81	11.19	10.97	---	10.97	11.21	13.42	13.28	12.91
3	14.36	13.65	12.84	11.78	11.17	10.97	---	10.99	11.29	13.38	13.25	13.00
4	14.41	13.62	12.76	11.76	11.16	11.03	11.42	11.07	11.38	13.34	13.21	13.06
5	14.44	13.59	12.68	11.73	11.15	11.02	---	11.21	11.46	13.31	13.15	13.04
6	14.48	13.57	12.62	11.71	11.14	11.01	---	11.25	11.65	13.28	13.13	13.05
7	14.61	13.54	12.55	11.69	11.13	10.99	11.30	11.28	11.76	13.26	13.17	13.03
8	14.62	13.52	12.50	11.66	11.12	10.99	---	11.31	11.87	13.24	13.12	13.02
9	14.61	13.49	12.44	11.63	11.11	11.09	11.36	11.31	12.02	13.42	13.07	13.00
10	14.59	13.43	12.39	11.60	11.10	11.26	11.32	---	12.23	13.62	13.01	12.99
11	14.54	13.41	12.35	11.57	11.09	11.27	11.28	---	12.47	13.70	12.98	12.98
12	14.50	13.40	12.28	11.54	11.08	11.29	11.25	---	12.59	13.71	12.96	12.97
13	14.48	13.38	12.23	11.51	11.07	11.31	11.22	11.29	12.68	13.73	12.96	12.97
14	14.39	13.36	12.18	11.51	11.06	11.34	11.20	11.28	12.79	13.73	12.95	12.95
15	14.28	13.31	12.13	11.57	11.06	11.37	11.17	11.27	12.89	---	12.93	12.94
16	14.22	13.29	12.09	11.57	11.04	11.40	11.14	11.25	13.02	13.75	12.90	12.92
17	14.18	13.28	12.07	11.54	11.03	11.46	11.12	11.22	13.23	13.75	12.86	12.91
18	14.14	13.26	12.10	11.52	11.03	11.62	11.11	11.20	13.27	13.75	12.84	12.89
19	14.11	13.24	12.08	11.49	11.02	11.62	11.10	11.16	13.28	13.74	12.80	12.86
20	14.09	13.22	12.04	11.47	11.01	11.62	11.08	11.14	13.32	13.72	12.76	12.88
21	14.09	13.20	12.02	11.44	10.99	11.61	11.07	11.12	13.41	13.69	12.73	12.91
22	14.08	13.17	11.99	11.42	10.98	11.62	11.06	11.16	13.44	13.66	12.71	12.91
23	14.06	13.15	11.97	11.40	10.98	11.62	11.04	11.12	13.50	13.62	12.70	12.93
24	14.03	13.13	11.97	11.37	10.98	11.63	11.03	11.09	13.64	13.57	12.69	12.93
25	13.99	13.13	11.97	11.34	10.97	---	11.01	11.06	13.58	13.55	12.72	12.91
26	13.96	13.10	11.97	11.32	10.97	11.63	11.00	11.05	13.51	13.56	12.82	12.90
27	13.91	13.08	11.95	11.30	10.97	11.64	11.00	11.07	13.47	13.52	12.88	12.88
28	13.88	13.06	11.92	11.28	10.97	---	11.00	11.05	13.50	13.48	12.90	12.87
29	13.83	13.03	11.90	11.25	---	---	10.99	11.03	13.51	13.43	12.91	12.86
30	13.79	13.00	11.87	11.23	---	---	10.99	11.01	13.47	13.42	12.91	12.85
31	13.75	---	11.85	11.22	---	---	---	11.05	---	13.38	12.89	---
TOTAL	440.94	400.01	379.61	357.07	309.78	---	---	---	380.57	---	401.52	388.20
MEAN	14.22	13.33	12.25	11.52	11.06	---	---	---	12.69	---	12.95	12.94
MAX	14.62	13.72	12.98	11.84	11.21	---	---	---	13.64	---	13.33	13.06
MIN	13.75	13.00	11.85	11.22	10.97	---	---	---	11.13	---	12.69	12.85

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

LOCATION.--Lat 26 13'43", long 80 27'37", in NE 1/4 sec.32, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, in North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-C, a four-gated control structure, 5.9 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards downstream of structure S-11-C on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.
REVISED RECORDS.--WDR FL-04-2A: 2002, 2003.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Station is one of several located on Levee 38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stages.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.90 ft Dec. 22, 1994; minimum, 9.64 ft May 22, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.93 ft Dec. 12, 1994; minimum, indeterminate, many days during the 2001, 2002, 2004 water years when well went dry.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 14.13 ft Oct. 21-23; minimum, 10.41 ft Feb. 18.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 13.08 ft Oct. 12; minimum, 8.22 ft May 26.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.99	---	12.97	11.84	10.78	10.74	11.53	11.32	11.19	12.40	13.20	12.91
2	13.04	---	12.71	11.81	10.81	10.83	11.47	11.33	11.42	12.40	13.13	12.93
3	13.08	---	12.59	11.77	10.81	10.94	11.44	11.44	11.50	12.41	13.08	13.00
4	13.12	13.70	12.58	11.73	10.81	11.05	11.39	11.68	11.45	12.43	13.04	13.05
5	13.15	13.66	12.52	11.69	10.80	11.09	11.33	11.85	11.48	12.43	13.00	13.06
6	13.17	13.65	12.45	11.65	10.79	11.11	11.26	11.80	11.57	12.42	12.97	13.06
7	13.27	13.63	12.38	11.62	10.78	11.04	11.18	11.81	11.63	12.41	12.96	13.07
8	13.29	13.60	12.32	11.58	10.76	11.00	11.23	11.82	11.71	12.41	12.94	13.08
9	13.29	13.58	12.26	11.54	10.74	11.06	11.22	11.83	11.83	12.62	12.93	13.09
10	13.28	13.57	12.19	11.50	10.71	11.26	11.18	11.83	12.00	12.69	12.94	13.10
11	13.26	13.53	12.15	11.46	10.67	11.36	11.12	11.83	12.13	12.74	13.00	13.10
12	13.22	13.49	12.10	11.43	10.62	11.40	11.05	11.79	12.26	12.76	13.01	13.09
13	13.17	13.46	12.06	11.39	10.57	11.44	10.99	11.74	12.42	13.08	13.01	13.07
14	13.13	---	12.02	11.38	10.51	11.47	10.97	11.68	12.59	13.55	13.02	13.05
15	---	---	12.00	11.41	10.47	11.50	10.93	11.60	12.74	---	13.02	12.95
16	---	13.41	11.97	11.40	10.48	11.52	10.86	11.54	12.67	13.69	12.98	12.95
17	---	13.37	11.96	11.38	10.48	11.56	10.78	11.50	12.33	13.70	12.94	12.93
18	---	13.35	12.01	11.34	10.44	11.64	10.78	11.45	12.33	13.69	12.89	12.89
19	---	13.33	11.99	11.32	10.49	11.65	10.84	11.39	12.34	13.68	12.84	12.86
20	---	13.31	11.97	11.28	10.51	11.66	10.87	11.30	12.42	13.66	12.79	12.91
21	14.11	13.28	11.95	11.24	10.50	11.66	10.87	11.19	12.56	13.63	12.74	13.00
22	14.13	13.26	11.99	11.21	10.49	11.67	10.91	11.10	12.62	13.57	12.71	12.96
23	14.12	13.24	12.05	11.16	10.49	11.66	11.03	10.99	12.37	13.51	12.74	13.00
24	14.09	13.22	12.03	11.12	10.48	11.68	11.08	10.86	---	13.45	12.71	13.00
25	14.04	13.20	12.02	11.08	10.48	11.68	11.13	10.75	---	13.42	12.74	12.97
26	14.01	13.18	11.98	11.04	10.55	11.69	11.17	10.93	---	13.43	12.88	12.94
27	13.97	13.15	11.96	11.00	10.65	11.69	11.22	11.07	---	13.39	12.92	12.92
28	13.93	13.13	11.94	10.97	10.70	11.67	11.26	11.05	12.28	13.34	12.96	12.91
29	13.90	13.11	11.91	10.92	---	11.65	11.28	11.02	12.33	13.31	12.98	12.95
30	13.89	13.09	11.88	10.86	---	11.61	11.30	10.99	12.36	13.29	12.96	12.95
31	---	---	11.86	10.80	---	11.58	---	11.03	---	13.23	12.94	---
TOTAL	---	---	376.77	351.92	297.37	353.56	333.67	353.51	---	---	400.97	389.75
MEAN	---	---	12.15	11.35	10.62	11.41	11.12	11.40	---	---	12.93	12.99
MAX	---	---	12.97	11.84	10.81	11.69	11.53	11.85	---	---	13.20	13.10
MIN	---	---	11.86	10.80	10.44	10.74	10.78	10.75	---	---	12.71	12.86

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.89	11.80	10.84	10.35	10.0	9.55	9.77	8.67	8.94	12.34	12.42	11.95
2	12.92	11.75	10.96	10.33	9.94	9.53	9.73	8.63	9.11	12.35	12.39	11.95
3	12.96	11.71	10.97	10.30	9.92	9.51	9.76	8.68	9.51	12.36	12.36	11.99
4	12.99	11.67	10.94	10.28	9.89	9.56	9.72	9.02	9.93	12.39	12.32	12.00
5	13.01	11.63	10.92	10.27	9.84	9.54	9.63	9.52	10.00	12.39	12.31	11.98
6	---	11.59	10.90	10.26	9.83	9.51	9.55	9.63	10.06	12.38	12.30	11.99
7	---	11.54	10.88	10.24	9.82	9.50	9.53	9.60	10.12	12.37	12.28	11.99
8	---	11.49	10.87	10.22	9.80	9.49	9.72	9.60	10.16	12.37	12.28	11.99
9	---	11.45	10.85	10.20	9.79	9.52	9.75	9.59	10.21	12.58	12.26	11.96
10	---	11.41	10.84	10.18	9.77	9.68	9.71	9.50	10.30	12.64	12.22	11.94
11	---	11.37	10.84	10.17	9.74	9.63	9.67	9.45	10.41	12.69	12.15	11.98
12	---	11.34	10.82	10.15	9.72	9.68	9.66	9.37	10.46	12.72	12.12	11.97
13	13.05	11.30	10.79	10.14	9.70	9.69	9.61	9.32	10.50	12.63	12.09	11.96
14	13.01	11.27	10.77	10.16	9.67	9.69	9.56	9.26	10.51	12.51	12.07	11.95
15	12.85	11.23	10.74	10.23	9.63	9.68	9.44	9.20	10.52	---	12.09	11.97
16	12.56	11.19	10.71	10.26	9.65	9.70	9.31	9.13	10.71	12.47	12.06	11.91
17	12.47	11.16	10.71	10.26	9.61	9.74	9.24	9.06	11.12	12.47	12.03	11.88
18	12.41	11.13	10.73	10.25	9.56	9.94	9.16	8.97	11.19	12.45	12.00	11.87
19	12.37	11.10	10.73	10.24	9.52	9.97	9.06	8.91	11.29	12.45	11.96	11.86
20	12.39	11.06	10.73	10.23	9.51	9.98	8.99	8.85	11.39	12.43	11.95	11.90
21	12.40	11.03	10.71	10.22	9.51	9.99	8.93	8.76	11.53	12.41	11.96	11.99
22	12.36	11.00	10.63	10.17	9.47	10.0	8.86	8.70	11.58	12.40	11.95	11.94
23	12.31	10.97	10.54	10.13	9.46	10.00	8.80	8.65	11.86	12.38	11.98	11.90
24	12.26	10.95	10.50	10.09	9.45	9.99	8.68	8.60	---	12.38	11.94	11.85
25	12.21	10.94	10.49	10.09	9.45	9.99	8.58	8.44	---	12.38	11.96	11.81
26	12.16	10.90	10.50	10.13	9.41	9.98	8.54	8.29	---	12.37	12.00	11.78
27	12.11	10.87	10.46	10.12	9.45	9.98	8.55	8.57	---	12.36	12.02	11.78
28	12.06	10.84	10.44	10.09	9.50	9.96	8.63	8.55	12.21	12.35	12.05	11.82
29	11.99	10.80	10.40	10.07	---	9.91	8.66	8.47	12.27	12.37	12.04	11.88
30	11.91	10.77	10.35	10.07	---	9.83	8.68	8.42	12.30	12.36	12.01	11.85
31	11.85	---	10.35	10.05	---	9.78	---	8.52	---	12.38	11.98	---
TOTAL	---	337.26	331.91	315.95	270.61	302.50	277.48	277.93	---	---	375.55	357.59
MEAN	---	11.24	10.71	10.19	9.66	9.76	9.25	8.97	---	---	12.11	11.92
MAX	---	11.80	10.97	10.35	10.00	10.00	9.77	9.63	---	---	12.42	12.00
MIN	---	10.77	10.35	10.05	9.41	9.49	8.54	8.29	---	---	11.94	11.78

262240080258001 SITE 17 NEAR L-38 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26 17'11", long 80 24'40", in NE 1/4 sec.11, T.48 S., R.39 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near L-38 and approximately 7 mi west of Coral Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year. Prior to August 1991, station was operated by the U.S. Army Corps of Engineers.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 11.10 ft above National Geodetic Vertical datum of 1929. Gage is capable of recording water levels below land-surface datum. Rainfall data is not published but is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U.S. Army Corps of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.38 ft Dec. 9, 1994; minimum, 10.30 ft May 19, 1999.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.60 ft Oct. 7, 8; minimum, 11.13 ft Mar. 2, 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.25	13.84	13.07	11.97	11.50	11.17	11.80	11.48	11.72	13.44	13.39	13.03
2	14.32	13.80	13.01	11.94	11.48	11.15	11.78	11.48	11.82	13.43	13.34	13.04
3	14.40	13.77	12.92	11.92	11.47	11.13	11.76	11.50	11.84	13.43	13.28	13.10
4	14.44	13.72	12.84	11.89	11.47	11.28	11.75	11.61	11.85	13.42	13.25	13.13
5	14.46	13.68	12.77	11.86	11.45	11.29	11.74	11.76	11.85	13.41	13.21	13.13
6	14.49	13.65	12.72	11.84	11.44	11.28	11.73	11.80	11.85	13.40	13.18	13.13
7	14.59	13.63	12.66	11.82	11.42	11.26	11.71	11.80	11.86	13.38	13.18	13.13
8	14.60	13.60	12.61	11.79	11.41	11.25	11.77	11.80	11.89	13.36	13.16	13.14
9	14.58	13.57	12.56	11.77	11.40	11.35	11.78	11.80	12.02	13.56	13.12	13.15
10	14.57	13.55	12.51	11.74	11.39	11.53	11.77	11.79	12.14	13.64	13.09	13.15
11	14.54	13.52	12.47	11.72	11.37	11.53	11.76	11.79	12.33	13.67	13.07	13.16
12	14.50	13.50	12.42	11.70	11.35	11.52	11.74	11.79	12.52	13.70	13.07	13.17
13	14.43	13.48	12.38	11.68	11.34	11.51	11.72	11.79	12.70	13.72	13.07	13.16
14	14.36	13.45	12.35	11.71	11.33	11.50	11.70	11.78	12.87	13.78	13.07	13.16
15	14.27	13.43	12.30	11.77	11.32	11.49	11.68	11.75	13.00	13.82	13.07	13.13
16	14.23	13.41	12.27	11.78	11.31	11.51	11.66	11.72	13.12	13.84	13.06	13.09
17	14.23	13.38	12.24	11.75	11.29	11.55	11.65	11.68	13.26	13.84	13.04	13.06
18	14.21	13.36	12.25	11.72	11.27	11.69	11.64	11.65	13.32	13.84	13.01	13.03
19	14.17	13.34	12.24	11.70	11.25	11.71	11.64	11.62	13.31	13.84	12.98	13.01
20	14.14	13.32	12.22	11.68	11.23	11.73	11.62	11.59	13.34	13.82	12.94	13.02
21	14.14	13.30	12.20	11.66	11.22	11.76	11.61	11.57	13.41	13.79	12.91	13.05
22	14.15	13.27	12.20	11.64	11.20	11.79	11.60	11.60	13.42	13.74	12.91	13.05
23	14.15	13.26	12.19	11.62	11.19	11.80	11.58	11.59	13.46	13.69	12.93	13.08
24	14.12	13.24	12.19	11.61	11.18	11.81	11.56	11.56	13.58	13.64	12.87	13.07
25	14.08	13.23	12.17	11.59	11.17	11.82	11.54	11.53	13.52	13.65	12.86	13.04
26	14.05	13.20	12.16	11.58	11.17	11.83	11.53	11.53	13.47	13.65	12.96	13.01
27	14.01	13.18	---	11.57	11.18	11.84	11.53	11.58	13.42	13.60	12.98	12.99
28	13.97	13.15	---	11.56	11.18	11.84	11.52	11.58	13.45	13.54	13.00	12.98
29	13.93	13.12	---	11.54	---	11.84	11.52	11.58	13.47	13.51	13.03	12.99
30	13.90	13.10	---	11.53	---	11.82	11.50	11.57	13.44	13.48	13.04	12.99
31	13.86	---	---	11.51	---	11.81	---	11.59	---	13.43	13.04	---
TOTAL	442.14	403.05	---	363.16	316.98	358.39	349.89	361.26	383.25	422.06	405.11	392.37
MEAN	14.26	13.44	---	11.71	11.32	11.56	11.66	11.65	12.78	13.61	13.07	13.08
MAX	14.60	13.84	---	11.97	11.50	11.84	11.80	11.80	13.58	13.84	13.39	13.17
MIN	13.86	13.10	---	11.51	11.17	11.13	11.50	11.48	11.72	13.36	12.86	12.98

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

LOCATION.--Lat 26 12'08", long 80 27'13", in NE 1/4 sec.9, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-B, a four-gated control structure, 4.0 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards downstream of S-11-B, on the west bank of the spillway .

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-B. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Area 2A and 3A. Gage records are primarily used to determine stage.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.85 ft Jan. 15, 1995; minimum, 9.67 ft May 22, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.84 ft Dec. 5, 1994; minimum, indeterminate, many days during the 2001, 2002, 2004 water years when well went dry.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 14.17 ft Oct. 22; minimum, 10.44 ft Feb. 18.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 13.01 ft Oct. 9; minimum, 8.25 ft May 26.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.94	13.84	12.99	11.87	10.81	10.74	11.50	11.25	11.15	12.38	13.14	12.88
2	12.99	13.80	12.73	11.83	10.84	10.81	11.44	11.27	11.36	12.38	13.08	12.90
3	13.03	13.76	12.62	11.80	10.84	10.92	11.41	11.38	11.45	12.39	13.02	12.97
4	13.07	13.72	12.60	11.76	10.84	11.04	11.37	11.63	11.40	12.41	12.98	13.02
5	13.09	13.69	12.54	11.72	10.83	11.07	11.31	11.78	11.43	12.41	12.94	13.03
6	13.11	13.68	12.47	11.69	10.82	11.11	11.24	11.73	11.50	12.40	12.91	13.03
7	13.21	13.66	12.41	11.65	10.81	11.06	11.16	11.73	11.56	12.39	12.90	13.03
8	13.23	13.63	12.35	11.61	10.79	11.01	11.20	11.73	11.63	12.39	12.88	13.04
9	13.23	13.61	12.28	11.58	10.77	11.08	11.20	11.73	11.74	12.58	12.86	13.04
10	13.22	13.60	12.21	11.54	10.74	11.27	11.16	11.74	11.90	12.66	12.88	13.05
11	13.21	13.55	12.17	11.50	10.70	11.35	11.10	11.74	12.04	12.73	12.97	13.05
12	13.18	13.52	12.13	11.46	10.65	11.40	11.01	11.71	12.17	12.76	12.98	13.04
13	13.15	13.49	12.09	11.42	10.59	11.43	10.95	11.67	12.34	13.01	12.98	13.02
14	13.11	13.48	12.05	11.41	10.54	11.47	10.94	11.62	12.52	13.47	12.98	13.01
15	13.37	13.47	12.03	11.45	10.50	11.50	10.91	11.55	12.69	---	12.98	12.93
16	14.06	13.43	12.00	11.45	10.50	11.51	10.85	11.49	12.63	13.57	12.94	12.93
17	14.15	13.40	11.99	11.42	10.49	11.56	10.76	11.44	12.28	13.60	12.90	12.90
18	14.12	13.38	12.03	11.39	10.46	11.63	10.75	11.40	12.28	13.61	12.85	12.87
19	14.08	13.36	12.02	11.36	10.50	11.63	10.81	11.34	12.29	13.60	12.80	12.84
20	14.08	13.33	12.00	11.32	10.52	11.64	10.83	11.26	12.37	13.58	12.76	12.89
21	14.13	13.31	11.98	11.28	10.51	11.64	10.84	11.16	12.52	13.54	12.72	12.97
22	14.16	13.28	12.01	11.24	10.50	11.64	10.86	11.08	12.59	13.50	12.69	12.95
23	14.14	13.26	12.06	11.20	10.50	11.63	10.96	10.97	12.33	13.44	12.71	12.99
24	14.11	13.24	12.06	11.17	10.49	11.65	11.03	10.83	12.21	13.38	12.67	13.00
25	14.06	13.21	12.05	11.13	10.49	11.65	11.07	10.73	12.18	13.35	12.71	12.97
26	14.04	13.20	12.01	11.08	10.56	11.67	11.10	10.90	12.16	13.36	12.84	12.94
27	14.00	13.18	12.00	11.04	10.64	11.65	11.15	11.06	12.17	13.33	12.88	12.92
28	13.96	13.16	11.97	11.00	10.69	11.64	11.20	11.04	12.24	13.27	12.93	12.91
29	13.92	13.14	11.94	10.95	---	11.63	11.22	11.01	12.29	13.25	12.95	12.94
30	13.91	13.12	11.91	10.89	---	11.59	11.23	10.99	12.33	13.23	12.93	12.94
31	13.87	---	11.90	10.83	---	11.55	---	11.01	---	13.18	12.91	---
TOTAL	421.93	403.50	377.60	353.04	297.92	353.17	332.56	351.97	361.75	---	399.67	389.00
MEAN	13.61	13.45	12.18	11.39	10.64	11.39	11.09	11.35	12.06	---	12.89	12.97
MAX	14.16	13.84	12.99	11.87	10.84	11.67	11.50	11.78	12.69	---	13.14	13.05
MIN	12.94	13.12	11.90	10.83	10.46	10.74	10.75	10.73	11.15	---	12.67	12.84

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.77	11.78	10.79	10.32	9.98	9.50	9.75	8.68	8.92	12.30	12.41	11.96
2	12.80	11.74	10.92	10.30	9.94	9.48	9.72	8.64	9.12	12.30	12.38	11.96
3	12.83	11.69	10.94	10.28	9.91	9.47	9.73	8.68	9.45	12.32	12.35	12.00
4	12.86	11.65	10.89	10.26	9.90	9.53	9.70	8.99	9.81	12.34	12.32	12.00
5	12.88	11.62	10.87	10.25	9.85	9.51	9.62	9.46	9.91	12.34	12.30	11.99
6	12.90	11.57	10.84	10.24	9.83	9.49	9.54	9.58	9.98	12.33	12.29	12.00
7	12.98	11.53	10.83	10.22	9.82	9.48	9.52	9.55	10.03	12.32	12.28	12.00
8	12.99	11.48	10.81	10.20	9.80	9.48	9.70	9.55	10.08	12.32	12.28	12.00
9	12.99	11.45	10.79	10.18	9.78	9.51	9.74	9.55	10.13	12.51	12.26	11.97
10	12.99	11.39	10.78	10.16	9.77	9.65	9.71	9.50	10.22	12.59	---	11.95
11	12.98	11.36	10.79	10.15	9.74	9.62	9.66	9.46	10.33	12.65	12.15	12.00
12	12.97	11.33	10.76	10.14	9.72	9.64	9.65	9.39	10.38	12.67	12.12	11.99
13	12.95	11.30	10.74	10.12	9.70	9.64	9.60	9.34	10.42	12.61	12.10	11.97
14	12.92	11.28	10.71	10.14	9.68	9.64	9.54	9.27	10.42	12.52	---	---
15	12.79	11.22	10.67	10.19	9.64	9.63	9.45	9.20	10.43	---	---	11.95
16	12.53	11.18	10.65	10.22	9.66	9.64	9.33	9.14	10.63	12.48	12.06	11.90
17	12.44	11.15	10.65	10.21	9.62	9.70	9.26	9.07	11.06	12.47	12.03	11.88
18	12.37	11.12	10.66	10.20	9.57	9.92	9.17	8.98	11.15	12.46	---	---
19	12.35	11.08	10.65	10.19	9.53	9.94	9.06	8.93	11.22	12.45	11.96	11.86
20	12.37	11.06	10.65	10.18	9.52	9.94	9.00	8.86	11.34	12.44	11.96	11.91
21	12.39	11.03	10.63	10.17	9.51	9.94	8.94	8.78	11.48	12.42	11.97	11.98
22	12.34	11.00	10.56	10.14	9.48	9.95	8.87	8.71	11.54	12.41	11.96	11.92
23	12.29	10.97	10.47	10.12	9.46	9.96	8.81	8.66	11.77	12.39	11.98	11.88
24	12.23	10.95	10.44	10.08	9.46	9.95	8.70	8.62	12.07	12.38	11.95	11.84
25	12.19	10.93	10.43	10.07	9.46	9.95	8.59	8.46	12.05	12.38	11.98	---
26	12.14	10.90	10.44	10.09	9.42	9.94	8.54	---	12.05	12.37	12.00	11.76
27	12.09	10.87	10.40	10.07	9.45	9.94	8.56	---	12.07	12.36	12.03	11.76
28	12.04	10.84	10.37	10.05	9.48	9.93	8.65	8.53	12.15	12.36	12.06	11.81
29	11.97	10.80	10.34	10.03	---	9.89	8.67	8.44	12.21	12.36	---	11.86
30	11.89	10.77	10.31	10.03	---	9.82	8.68	8.40	12.25	12.36	12.01	11.83
31	11.84	---	10.32	10.02	---	9.76	---	8.50	---	12.37	11.99	---
TOTAL	389.07	337.04	330.10	315.02	270.68	301.44	277.46	---	324.67	---	---	---
MEAN	12.55	11.23	10.65	10.16	9.67	9.72	9.25	---	10.82	---	---	---
MAX	12.99	11.78	10.94	10.32	9.98	9.96	9.75	---	12.25	---	---	---
MIN	11.84	10.77	10.31	10.02	9.42	9.47	8.54	---	8.92	---	---	---

261117080315201 SITE 63 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26 11'19", long 80 31'52", in SE $^{1}/_{4}$ sec.10, T.38 S., R.49 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3A, 6.2 mi west of intersection of U.S. Interstate 75 and U.S. Highway 27 and 4 mi north of U.S. Interstate 75.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder . Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 8.40 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum. Rainfall data available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.45 ft Dec. 6, 9-11, 1994; minimum, 7.24 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.45 ft Oct. 15, 16; minimum, 9.27 ft May 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.35	11.75	10.73	10.29	9.93	9.43	9.66	9.31	9.84	11.93	12.27	11.87
2	12.35	11.72	10.73	10.29	9.92	9.42	9.65	9.29	9.89	11.95	12.24	11.86
3	12.37	11.67	10.73	10.28	9.90	9.39	9.65	9.33	9.96	11.99	12.22	11.88
4	12.38	11.62	10.72	10.26	9.89	9.42	9.63	9.56	10.01	12.02	12.19	11.88
5	12.38	11.59	10.71	10.23	9.89	9.42	9.61	9.84	10.02	12.02	12.17	11.89
6	12.39	11.54	10.69	10.21	9.87	9.42	9.59	9.90	10.03	12.02	12.17	11.90
7	12.41	11.51	10.66	10.18	9.83	9.41	9.57	9.92	10.03	12.02	12.15	11.89
8	12.42	11.46	10.65	10.18	9.82	9.40	9.63	9.92	10.06	12.02	12.15	11.89
9	12.42	11.41	10.64	10.16	9.78	9.44	9.65	9.92	10.08	12.20	12.13	11.87
10	12.42	11.37	10.64	10.14	9.78	9.56	9.65	9.90	10.15	12.29	12.11	11.86
11	12.42	11.34	10.63	10.13	9.74	9.56	9.65	9.89	10.26	12.34	12.07	11.90
12	12.42	11.31	10.61	10.11	9.73	9.56	9.65	9.87	10.31	12.36	12.04	11.88
13	12.43	11.27	10.58	10.09	9.71	9.56	9.65	9.84	10.32	12.37	12.02	11.87
14	12.44	11.24	10.57	10.08	9.69	9.56	9.65	9.83	10.33	12.37	11.99	11.85
15	---	11.21	10.54	10.10	9.68	9.55	9.64	9.84	10.34	12.35	12.02	11.84
16	12.40	11.17	10.52	10.10	9.66	9.54	9.62	9.89	10.35	12.33	11.98	11.81
17	12.33	11.13	10.51	10.10	9.64	9.54	9.60	9.87	10.40	12.32	11.95	11.78
18	12.26	11.10	10.51	10.10	9.61	9.64	9.58	9.84	10.53	12.30	11.92	11.77
19	12.23	11.07	10.50	10.09	9.59	9.65	9.56	9.82	10.69	12.29	11.89	11.76
20	12.27	11.04	10.48	10.08	9.56	9.66	9.54	9.79	10.83	12.28	11.88	11.78
21	---	11.01	10.47	10.07	9.55	9.66	9.52	9.77	11.02	12.26	11.87	11.85
22	---	10.98	10.46	10.06	9.53	9.66	9.50	9.75	11.09	12.25	11.87	11.84
23	---	10.95	10.45	10.05	9.52	9.67	9.47	9.73	11.22	12.24	11.89	11.81
24	---	10.93	10.43	10.04	9.49	9.70	9.45	9.70	11.52	12.23	11.87	11.78
25	---	10.90	10.41	10.02	9.49	9.70	9.42	9.67	11.56	12.23	11.87	11.74
26	---	10.88	10.39	10.00	9.47	9.70	9.39	9.68	11.59	12.22	11.91	11.70
27	---	10.85	10.36	9.99	9.46	9.70	9.38	9.78	11.63	12.22	11.93	11.71
28	---	10.82	10.33	9.98	9.45	9.70	9.38	9.76	11.72	12.22	11.94	11.73
29	11.92	10.79	10.31	9.97	---	9.70	9.35	9.74	11.82	12.21	11.93	11.77
30	11.87	10.76	10.30	9.96	---	9.69	9.33	9.72	11.88	12.21	11.91	11.75
31	11.81	---	10.29	9.95	---	9.68	---	9.76	---	12.24	11.89	---
TOTAL	---	336.39	326.55	313.29	271.18	296.69	286.62	302.43	319.48	378.30	372.44	354.71
MEAN	---	11.21	10.53	10.11	9.68	9.57	9.55	9.76	10.65	12.20	12.01	11.82
MAX	---	11.75	10.73	10.29	9.93	9.70	9.66	9.92	11.88	12.37	12.27	11.90
MIN	---	10.76	10.29	9.95	9.45	9.39	9.33	9.29	9.84	11.93	11.87	11.70

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26 10'40", long 80 26'53", in SE $^{1}/_{4}$ sec.16, T.49 S., R.39 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft northeast of S-11-A, a four-gated control structure, 2.2 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards upstream of S-11-A on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-11-A. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Station is one of several located on Levee 38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stage. Rainfall data available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Coprs of Engineers maintains raingage after September 30, 2003.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.12 ft Dec. 21, 1994; minimum, 9.64 ft May 22, 23, 2001.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.80 ft Dec. 5, 1994; minimum, 7.53 ft May 14, 2002.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 14.15 ft Oct. 22; minimum, 10.44 ft Feb. 17, 18.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 12.89 ft Oct. 8-10; minimum, 8.11 ft May 26.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.94	13.81	12.98	11.86	10.80	10.74	11.49	11.23	11.14	---	13.12	12.84
2	12.99	13.76	12.72	11.83	10.83	10.81	11.44	11.27	11.36	---	13.05	12.86
3	13.03	13.73	12.62	11.79	10.83	10.91	11.42	11.38	11.44	---	13.00	12.93
4	13.07	13.69	12.61	11.75	10.83	11.04	11.36	11.63	11.39	---	12.96	12.99
5	13.09	13.66	12.55	11.71	10.83	11.07	11.30	11.78	11.42	---	12.92	13.00
6	13.11	13.66	12.47	11.67	10.82	11.10	11.23	---	11.50	12.39	12.89	12.99
7	13.21	13.64	12.41	11.64	10.80	11.05	11.14	---	11.55	12.38	12.88	12.99
8	13.23	13.61	12.34	11.60	10.78	11.00	11.20	---	11.62	12.37	12.86	12.99
9	13.23	13.58	12.28	11.57	10.76	11.09	11.20	---	11.73	12.55	12.84	12.99
10	13.22	13.57	12.20	11.53	10.73	11.27	11.16	---	11.88	12.65	12.86	13.00
11	13.21	13.53	12.17	11.49	10.70	11.34	11.09	---	12.03	12.72	12.93	13.01
12	13.18	13.49	12.13	11.45	10.64	11.40	11.01	---	12.17	12.74	12.94	12.99
13	13.15	13.47	12.08	11.41	10.58	11.43	10.95	---	12.34	13.00	12.94	12.98
14	13.10	13.47	12.04	11.39	10.52	11.46	10.94	---	12.52	13.45	12.94	12.96
15	13.36	13.45	12.04	11.45	10.48	11.50	10.91	---	12.68	---	12.94	12.89
16	14.05	13.41	11.99	11.46	10.49	11.50	10.85	---	12.64	13.54	12.90	12.88
17	14.12	13.37	11.99	11.43	10.49	11.56	10.77	11.43	12.30	13.54	12.86	12.85
18	14.09	13.35	12.03	11.40	10.47	11.64	10.75	11.39	12.30	13.54	12.81	12.83
19	14.05	13.33	12.01	11.35	10.50	11.63	10.81	11.34	12.30	13.54	12.76	12.80
20	14.05	13.31	12.00	11.31	10.52	11.64	10.83	11.25	12.38	13.53	12.72	12.84
21	14.11	13.28	11.97	11.27	10.50	11.63	10.84	11.16	12.53	13.52	12.68	12.93
22	14.13	13.26	12.00	11.23	10.50	11.63	10.86	11.07	12.61	13.47	12.65	12.91
23	14.12	13.24	12.05	11.20	10.50	11.63	10.95	10.97	12.38	13.41	12.67	12.96
24	14.08	13.21	12.05	11.17	10.49	11.65	11.02	10.83	12.23	13.35	12.64	12.97
25	14.04	13.20	12.04	11.12	10.49	11.65	11.06	10.73	12.19	13.32	12.69	12.94
26	14.01	13.19	12.00	11.07	10.56	11.67	11.08	---	12.17	13.33	12.79	12.91
27	13.97	13.16	12.00	11.03	10.63	11.65	11.14	---	12.18	13.29	12.84	12.89
28	13.93	13.14	11.97	10.99	10.70	11.63	11.19	11.04	12.26	13.24	12.88	12.87
29	13.89	13.12	11.93	10.94	---	11.63	11.21	11.02	12.31	13.22	12.90	12.91
30	13.87	13.10	11.90	10.87	---	11.59	11.22	10.99	---	13.20	12.88	12.91
31	13.84	---	11.89	10.83	---	11.54	---	11.01	---	13.15	12.87	---
TOTAL	421.47	402.79	377.46	352.81	297.77	353.08	332.42	---	---	---	398.61	387.81
MEAN	13.60	13.43	12.18	11.38	10.63	11.39	11.08	---	---	---	12.86	12.93
MAX	14.13	13.81	12.98	11.86	10.83	11.67	11.49	---	---	---	13.12	13.01
MIN	12.94	13.10	11.89	10.83	10.47	10.74	10.75	---	---	---	12.64	12.80

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.67	11.75	10.75	10.27	9.94	9.45	9.68	8.64	8.87	---	12.34	11.93
2	12.70	11.70	10.82	10.25	9.90	9.43	9.65	8.61	9.08	---	12.31	11.92
3	12.72	11.66	10.80	10.23	9.88	9.42	9.65	8.64	9.35	---	12.29	11.97
4	12.75	11.62	10.72	10.21	9.86	9.48	9.62	8.92	9.65	---	12.26	11.97
5	12.77	11.59	10.69	10.20	9.83	9.47	9.56	9.39	9.76	---	12.24	11.96
6	12.78	11.55	10.67	10.19	9.80	9.45	9.49	9.52	9.83	12.21	12.23	11.97
7	12.86	11.50	10.66	10.17	9.79	9.43	9.46	9.49	9.89	12.20	12.22	11.96
8	12.88	11.45	10.64	10.15	9.77	9.44	9.64	9.49	9.94	12.20	12.23	11.96
9	12.88	11.41	10.63	10.14	9.75	9.48	9.68	9.50	9.99	12.40	12.20	11.94
10	12.88	11.36	10.62	10.12	9.74	9.61	9.65	9.47	10.09	12.49	12.17	11.92
11	12.87	11.33	10.62	10.10	9.71	9.58	9.60	9.43	10.20	12.55	12.12	11.97
12	12.85	11.30	10.59	10.09	9.69	9.59	9.58	9.36	10.25	12.57	12.09	11.96
13	12.83	11.26	10.57	10.07	9.67	9.58	9.54	9.31	10.29	12.52	12.06	11.94
14	12.80	11.23	10.55	10.09	9.64	9.58	9.49	9.24	10.28	12.45	12.04	11.92
15	12.70	11.18	10.53	10.14	9.61	9.57	9.41	9.18	10.29	---	12.06	11.91
16	12.46	11.14	10.51	10.17	9.63	9.58	9.31	9.12	10.46	12.41	12.02	11.87
17	12.37	11.12	10.50	10.16	9.60	9.63	9.24	9.04	10.83	12.41	11.99	11.84
18	12.30	11.08	10.51	10.14	9.56	9.84	9.14	8.96	10.93	12.39	11.96	11.83
19	12.28	11.05	10.50	10.12	9.52	9.86	9.03	8.91	11.01	12.39	11.93	11.83
20	12.32	11.02	10.49	10.12	9.50	9.86	8.96	8.84	11.15	12.37	11.93	11.88
21	12.36	10.99	10.48	10.11	9.49	9.86	8.91	8.76	11.31	12.35	11.93	11.94
22	12.30	10.96	10.45	10.09	9.46	9.86	8.84	8.69	11.38	12.34	11.92	11.87
23	12.24	10.93	10.40	10.07	9.44	9.87	8.78	8.63	11.60	12.33	11.94	11.83
24	12.18	10.90	10.38	10.04	9.43	9.86	8.67	8.59	11.89	12.32	11.92	11.79
25	12.13	10.89	10.36	10.03	9.44	9.86	8.56	8.43	11.90	12.32	11.95	11.75
26	12.08	10.86	10.37	10.03	9.40	9.85	8.51	8.23	11.91	12.30	11.97	11.72
27	12.03	10.82	10.34	10.02	9.42	9.85	8.53	8.50	11.93	12.30	12.00	11.72
28	11.98	10.80	10.31	9.99	9.45	9.85	8.62	8.47	12.02	12.30	12.02	11.77
29	11.93	10.76	10.27	9.97	---	9.80	8.63	8.39	12.08	12.30	12.01	11.82
30	11.86	10.72	10.25	9.97	---	9.75	8.64	8.34	---	12.29	11.97	11.79
31	11.80	---	10.26	9.96	---	9.70	---	8.44	---	12.31	11.95	---
TOTAL	386.56	335.93	326.24	313.41	269.92	299.44	276.07	276.53	---	---	374.27	356.45
MEAN	12.47	11.20	10.52	10.11	9.64	9.66	9.20	8.92	---	---	12.07	11.88
MAX	12.88	11.75	10.82	10.27	9.94	9.87	9.68	9.52	---	---	12.34	11.97
MIN	11.80	10.72	10.25	9.96	9.40	9.42	8.51	8.23	---	---	11.92	11.72

261023080443001 SITE 62 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26 10'28", long 80 45'05", T.36 S., R.49 E., Broward County, Hydrologic Unit 03090202, 20.5 mi west of intersection of U.S. Interstate 75 and U.S. Highway 27 and 1.5 mi north of U.S. Interstate 75. No section could be determined from existing map.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 9.90 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum. Rainfall data available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Coprs of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.68 ft Oct. 21, 1999; minimum, 8.06 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.84 ft July 10, 11; minimum, 10.28 ft Apr. 2, 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.45	11.99	11.20	10.79	10.53	10.30	11.04	10.69	10.98	12.62	12.59	12.44
2	12.44	11.95	11.17	10.78	10.53	10.29	11.04	10.68	11.03	12.61	12.59	12.43
3	12.45	11.91	11.15	10.77	---	10.28	11.04	10.67	11.12	12.61	12.57	12.48
4	12.44	11.87	11.12	10.77	10.51	10.35	11.04	10.84	11.21	12.58	12.57	12.50
5	12.43	11.85	11.11	10.76	10.50	10.35	11.02	11.19	11.28	12.55	12.58	12.51
6	12.44	11.84	11.09	10.74	10.49	10.35	11.00	11.26	11.33	12.53	12.56	12.50
7	12.48	11.79	11.07	10.73	10.49	10.33	11.00	11.28	11.37	12.50	12.56	12.50
8	12.45	11.76	11.05	---	10.48	10.33	11.11	11.26	11.42	12.50	12.55	12.51
9	12.43	11.73	11.04	10.69	---	10.39	11.12	11.23	11.47	12.72	12.53	12.50
10	12.41	11.69	11.02	---	10.45	10.52	11.09	11.20	11.59	12.83	12.52	12.49
11	12.39	11.66	11.01	---	10.45	10.53	11.07	11.16	11.70	12.84	12.51	12.52
12	12.38	11.61	10.99	---	10.44	10.55	11.05	11.13	11.77	12.82	12.50	12.50
13	12.36	11.58	10.97	10.64	10.43	10.57	11.03	11.11	11.82	12.81	12.48	12.47
14	12.34	11.55	10.95	10.64	10.42	10.57	11.00	11.09	11.84	12.80	12.47	12.44
15	12.37	11.52	10.93	10.66	---	10.57	10.98	11.09	11.84	12.78	12.44	12.39
16	12.36	11.51	10.91	10.67	---	10.56	10.97	11.18	11.84	12.78	12.43	12.37
17	12.34	11.49	10.90	10.67	---	10.59	10.94	11.15	11.84	12.80	12.42	12.34
18	12.31	11.48	10.89	10.65	10.37	10.73	10.92	11.13	11.85	12.79	12.42	12.31
19	12.30	11.45	10.87	10.65	10.36	10.77	10.90	11.10	11.89	12.77	12.41	12.29
20	12.35	11.43	10.86	10.64	---	10.80	10.88	11.07	11.96	12.74	12.40	12.32
21	12.40	11.38	10.84	10.64	---	10.82	10.85	11.05	12.07	12.72	12.40	12.32
22	12.37	11.35	10.83	10.63	10.33	10.85	10.84	11.03	12.11	12.70	12.37	12.31
23	12.34	11.34	10.81	10.63	10.32	10.89	10.82	11.01	12.19	12.67	12.37	12.31
24	12.31	11.32	10.81	10.61	10.31	10.92	10.80	10.98	12.37	12.66	12.37	12.29
25	12.27	11.31	10.81	10.60	10.31	10.95	10.78	10.95	12.35	12.65	12.36	12.27
26	12.22	11.29	10.81	10.59	10.31	10.98	10.76	10.96	12.34	12.62	12.38	12.24
27	12.19	11.27	10.79	10.59	10.32	10.99	10.76	11.02	12.36	12.62	12.44	12.23
28	12.15	11.26	10.78	10.58	10.32	11.01	10.75	10.98	12.42	12.60	12.47	12.22
29	12.11	11.23	10.77	10.57	---	11.02	10.73	10.95	12.58	12.59	12.47	12.22
30	12.08	11.22	10.75	---	---	11.03	10.71	10.93	12.65	12.59	12.46	12.24
31	12.04	---	10.77	10.54	---	11.04	---	10.95	---	12.59	12.45	---
TOTAL	382.40	346.63	339.07	---	---	330.23	328.04	342.32	354.59	392.99	386.64	371.46
MEAN	12.34	11.55	10.94	---	---	10.65	10.93	11.04	11.82	12.68	12.47	12.38
MAX	12.48	11.99	11.20	---	---	11.04	11.12	11.28	12.65	12.84	12.59	12.52
MIN	12.04	11.22	10.75	---	---	10.28	10.71	10.67	10.98	12.50	12.36	12.22

260810080222001 SITE 99 NEAR L-35A IN CONSERVATION AREA 2B, NEAR SUNRISE, FL

LOCATION.--Lat 26 08'21", long 80 22'02", in sec.32, T.49 S., R.40 E., Broward County, Hydrologic Unit 03090202, located in Conservation Area 2B, north of North New River Canal, West of Markham Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 6.20 ft above National Geodetic Vertical Datum of 1929. Rainfall data collection discontinued April 4, 1996. Rainfall data available in files of the U.S. Geological Survey. Prior to July 1991, station operated by the U.S. Army Corps of Engineers. Raingage maintained by U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.92 ft Dec. 23, 1994; minimum, 4.12 ft May 26, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.32 ft July 13; minimum, 9.07 ft May 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.53	10.91	10.50	10.67	10.45	9.83	9.60	9.11	9.40	11.12	10.94	11.03
2	10.55	10.93	10.49	10.67	10.43	9.80	9.60	9.09	9.47	11.13	10.92	11.06
3	10.58	10.95	10.50	10.67	10.41	9.77	9.60	9.13	9.53	11.13	10.90	11.10
4	10.61	10.97	10.51	10.66	10.39	9.84	9.58	9.29	9.58	11.11	10.89	11.12
5	10.63	10.99	10.52	10.66	10.37	9.82	9.52	9.44	9.62	11.08	10.86	11.12
6	10.66	10.99	10.53	10.66	10.34	9.79	9.50	9.53	9.69	11.05	10.86	11.11
7	10.73	10.96	10.54	10.65	10.32	9.77	9.48	9.54	9.70	11.01	10.88	11.09
8	10.77	10.94	10.55	10.65	10.30	9.75	9.60	9.54	9.71	10.99	10.88	11.06
9	10.79	10.91	10.55	10.64	10.27	9.79	9.63	9.53	9.74	11.17	10.86	11.04
10	10.82	10.89	10.56	10.63	10.26	9.90	9.63	9.53	9.79	11.26	10.84	11.01
11	10.85	10.86	10.59	10.62	10.24	9.88	9.62	9.51	9.86	11.27	10.82	11.02
12	10.89	10.85	10.59	10.61	10.20	9.86	9.60	9.50	9.88	11.26	10.81	10.99
13	10.92	10.83	10.59	10.59	10.17	9.84	9.58	9.49	9.89	11.27	10.79	10.96
14	10.94	10.81	10.59	10.62	10.15	9.82	9.56	9.47	9.90	11.29	10.77	10.93
15	10.99	10.79	10.60	10.69	10.13	9.80	9.54	9.46	9.91	11.28	10.75	10.91
16	11.00	10.76	10.58	10.71	10.11	9.76	9.51	9.45	9.93	11.25	10.74	10.88
17	10.97	10.74	10.60	10.70	10.08	9.80	9.49	9.43	10.08	11.22	10.74	10.86
18	10.95	10.72	10.64	10.68	10.06	9.90	9.46	9.42	10.16	11.19	10.75	10.84
19	10.94	10.70	10.65	10.65	10.04	9.88	9.44	9.41	10.20	11.17	10.76	10.83
20	10.94	10.68	10.65	10.64	10.01	9.85	9.42	9.39	10.28	11.14	10.77	10.88
21	10.96	10.66	10.64	10.63	9.98	9.82	9.38	9.37	10.40	11.12	10.80	10.97
22	10.96	10.64	10.64	10.62	9.96	9.80	9.35	9.37	10.43	11.09	10.86	10.96
23	10.95	10.62	10.64	10.61	9.94	9.78	9.33	9.35	10.50	11.06	10.91	10.97
24	10.94	10.60	10.65	10.59	9.92	9.76	9.30	9.33	10.65	11.03	10.92	10.95
25	10.92	10.60	10.66	10.57	9.90	9.74	9.27	9.31	10.68	11.01	10.97	10.92
26	10.89	10.59	10.66	10.55	9.89	9.72	9.23	9.32	10.71	10.99	11.04	10.90
27	10.87	10.57	10.66	10.54	9.86	9.69	9.22	9.43	10.76	10.97	11.07	10.88
28	10.85	10.55	10.64	10.52	9.85	9.67	9.20	9.41	10.90	10.95	11.09	10.87
29	10.84	10.53	10.64	10.50	---	9.64	9.17	9.38	10.98	10.95	11.08	10.87
30	10.86	10.51	10.64	10.49	---	9.62	9.14	9.37	11.03	10.96	11.05	10.88
31	10.89	---	10.66	10.47	---	9.62	---	9.36	---	10.96	11.04	---
TOTAL	335.99	323.05	328.46	329.16	284.03	303.31	283.55	291.26	303.36	344.48	337.36	329.01
MEAN	10.84	10.77	10.60	10.62	10.14	9.78	9.45	9.40	10.11	11.11	10.88	10.97
MAX	11.00	10.99	10.66	10.71	10.45	9.90	9.63	9.54	11.03	11.29	11.09	11.12
MIN	10.53	10.51	10.49	10.47	9.85	9.62	9.14	9.09	9.40	10.95	10.74	10.83

260037080303401 SITE 76 IN CONSERVATION AREA 3B NEAR ANDYTOWN, FL

LOCATION.--Lat 26°00'27", long 80°28'58", in NW ¼ sec.18, T.39 S., R.51 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3B approximately 0.7 mi southeast of Levee 67C, 3 mi southwest of intersection of Levee 67C and Levee 67A.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 6.80 ft above National Geodetic Vertical Datum of 1929. Rainfall data is available in files of the U.S. Geological Survey. Revised figures of stage required because an erroneous M.P. elevation was initially used for the 1995-98 water years. These will not be republished and supersede those published in the reports for 1995-98. The revised data are available in the files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.66 ft Oct. 15, 1999; minimum, 5.39 ft May 22, 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.81 ft July 11, 12; minimum, 6.90 ft May 3, 4.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.01	8.22	7.98	7.55	7.43	7.29	7.27	6.94	7.13	8.55	8.31	8.30
2	8.01	8.23	7.99	7.55	7.42	7.28	7.26	6.92	7.15	8.61	8.34	8.31
3	8.02	8.23	7.99	7.55	7.41	7.27	7.25	6.90	7.21	8.61	8.31	8.30
4	8.02	8.23	7.98	7.54	7.41	7.34	7.24	6.97	7.25	8.61	8.29	8.30
5	8.02	8.22	7.98	7.53	7.41	7.32	7.22	7.17	7.27	8.61	8.27	8.29
6	8.02	8.22	7.98	7.53	7.40	7.31	7.21	7.17	7.32	8.61	8.26	8.29
7	8.00	8.22	7.97	7.51	7.40	7.30	7.18	7.15	7.31	8.61	8.29	8.28
8	8.00	8.22	7.94	7.51	7.39	7.29	7.33	7.13	7.33	8.62	8.40	8.27
9	7.99	8.22	7.92	7.50	7.39	7.32	7.33	7.11	7.35	8.63	8.39	8.25
10	7.98	8.20	7.90	7.49	7.38	7.38	7.31	7.10	7.43	8.63	8.37	8.22
11	7.97	8.19	7.87	7.49	7.37	7.37	7.29	7.08	7.49	8.72	8.34	8.25
12	7.97	8.16	7.85	7.48	7.36	7.35	7.28	7.07	7.52	8.79	8.32	8.30
13	7.97	8.16	7.82	7.47	7.35	7.34	7.26	7.07	7.53	8.76	8.34	8.31
14	7.97	8.16	7.80	7.47	7.35	7.33	7.23	7.07	7.54	8.72	8.33	8.31
15	7.97	8.16	7.78	7.51	7.35	7.32	7.22	7.07	7.55	8.68	8.31	8.31
16	7.97	8.15	7.76	7.52	7.34	7.32	7.19	7.06	7.59	8.64	8.28	8.31
17	7.97	8.12	7.73	7.51	7.34	7.34	7.17	7.05	7.77	8.61	8.25	8.30
18	7.97	8.09	7.71	7.51	7.34	7.43	7.15	7.05	7.77	8.57	8.22	8.29
19	7.96	8.08	7.70	7.50	7.33	7.41	7.13	7.04	7.78	8.54	8.18	8.29
20	8.02	8.06	7.68	7.49	7.33	7.39	7.13	7.03	7.86	8.51	8.16	8.31
21	8.23	8.03	7.66	7.49	7.32	7.38	7.11	7.03	7.97	8.48	8.14	8.34
22	8.23	8.01	7.65	7.48	7.31	7.38	7.10	7.03	8.00	8.45	8.16	8.34
23	8.22	7.99	7.63	7.48	7.31	7.36	7.08	7.03	8.07	8.42	8.19	8.33
24	8.22	7.97	7.62	7.47	7.31	7.34	7.07	7.03	8.23	8.40	8.16	8.33
25	8.21	7.97	7.60	7.47	7.31	7.34	7.05	7.03	8.26	8.36	8.16	8.31
26	8.20	7.97	7.58	7.45	7.31	7.33	7.04	7.04	8.29	8.34	8.22	8.29
27	8.18	7.98	7.57	7.45	7.30	7.32	7.03	7.11	8.34	8.33	8.26	8.29
28	8.18	7.98	7.56	7.44	7.30	7.32	7.01	7.11	8.39	8.33	8.29	8.29
29	8.19	7.98	7.55	7.43	---	7.31	6.99	7.09	8.42	8.31	8.31	8.29
30	8.19	7.98	7.54	7.43	---	7.30	6.96	7.08	8.46	8.31	8.31	8.29
31	8.21	---	7.54	7.43	---	7.28	---	7.09	---	8.30	8.30	---
TOTAL	250.07	243.40	240.83	232.23	205.97	227.36	215.09	218.82	231.58	264.66	256.46	248.89
MEAN	8.07	8.11	7.77	7.49	7.36	7.33	7.17	7.06	7.72	8.54	8.27	8.30
MAX	8.23	8.23	7.99	7.55	7.43	7.43	7.33	7.17	8.46	8.79	8.40	8.34
MIN	7.96	7.97	7.54	7.43	7.30	7.27	6.96	6.90	7.13	8.30	8.14	8.22

255828080401301 SITE 64 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°58'31", long 80°40'10", in T.37 S., R.51 E., Broward County, Hydrologic Unit 03090202, approximately 17 mi northwest of Coopertown. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 8.40 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum. Rainfall data is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.81 ft Nov. 2, 1999; minimum, 8.23 ft May 31, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.90 ft Oct. 21, 22; minimum 9.30 ft May 4.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.71	11.56	10.72	10.31	10.10	9.66	9.64	9.34	9.45	11.09	11.85	11.75
2	11.71	11.53	10.69	10.31	10.09	9.64	9.62	9.33	9.53	11.17	11.85	11.81
3	11.71	11.50	10.67	10.30	10.08	9.62	9.61	9.31	9.60	11.20	11.85	11.80
4	11.72	11.47	10.64	10.30	10.07	9.69	9.59	9.48	9.65	11.23	11.85	11.80
5	11.72	11.44	10.61	10.30	10.04	9.68	9.57	9.91	9.68	11.25	11.83	11.78
6	11.72	11.40	10.59	10.30	10.03	9.66	9.55	9.86	9.73	11.26	11.84	11.76
7	11.74	11.36	10.58	10.30	10.01	9.65	9.54	9.80	9.73	11.27	11.87	11.75
8	11.75	11.33	10.56	10.30	10.01	9.64	9.74	9.76	9.73	11.31	11.87	11.73
9	11.75	11.30	10.55	10.28	9.99	9.66	9.77	9.72	9.74	11.62	11.86	11.71
10	11.75	11.27	10.53	10.28	9.98	9.73	9.76	9.69	9.87	11.71	11.84	11.72
11	11.75	11.24	10.51	10.27	9.95	9.72	9.74	9.66	9.98	11.75	11.83	11.79
12	11.75	11.22	10.49	10.27	9.93	9.71	9.71	9.64	9.99	11.77	11.83	11.76
13	11.76	11.19	10.47	10.27	9.91	---	9.69	9.62	9.99	11.79	11.82	11.73
14	11.76	11.16	10.44	10.27	9.91	---	9.67	9.59	9.99	11.83	11.80	11.70
15	11.78	11.13	10.41	10.27	9.89	---	9.64	9.57	9.99	---	11.78	11.67
16	11.79	11.10	10.39	10.27	9.88	9.67	9.62	9.56	9.98	11.85	11.75	11.65
17	11.79	11.07	10.38	10.23	9.86	9.69	9.59	9.54	10.03	11.86	11.75	11.64
18	11.78	11.04	10.38	10.21	9.84	9.79	9.57	9.52	10.06	11.86	11.75	11.66
19	11.76	11.02	10.37	10.21	9.82	9.78	9.55	9.50	10.06	11.86	11.73	11.63
20	11.78	10.99	10.35	10.21	9.81	9.77	9.53	9.49	10.15	11.85	11.73	11.65
21	11.89	10.97	10.34	10.21	9.79	9.76	9.51	9.48	10.29	11.85	11.72	11.67
22	11.89	10.94	10.34	10.20	9.78	9.76	9.50	9.46	10.34	11.85	11.70	11.65
23	11.87	10.91	10.34	10.20	9.77	9.76	9.47	9.44	10.42	11.86	11.70	11.64
24	11.84	10.89	10.34	10.17	9.74	9.74	9.46	9.43	10.50	11.85	11.69	11.63
25	11.81	10.89	10.34	10.17	9.73	9.73	9.43	9.40	10.52	11.84	11.68	11.60
26	11.78	10.86	10.33	10.17	9.71	---	9.42	9.39	10.57	11.84	11.75	11.58
27	11.75	10.83	10.31	10.16	9.70	---	9.41	9.37	10.67	11.86	11.78	11.57
28	11.71	10.81	10.30	10.16	9.68	---	9.40	9.35	10.88	11.84	11.78	11.55
29	11.67	10.78	10.30	10.15	---	---	9.38	9.33	10.95	11.84	11.78	11.55
30	11.63	10.76	10.30	10.15	---	---	9.36	9.32	11.02	11.84	11.76	11.61
31	11.59	---	10.31	10.12	---	9.65	---	9.38	---	11.85	11.74	---
TOTAL	364.41	333.96	323.88	317.32	277.10	---	287.04	295.24	303.09	---	365.36	350.54
MEAN	11.76	11.13	10.45	10.24	9.90	---	9.57	9.52	10.10	---	11.79	11.68
MAX	11.89	11.56	10.72	10.31	10.10	---	9.77	9.91	11.02	---	11.87	11.81
MIN	11.59	10.76	10.30	10.12	9.68	---	9.36	9.31	9.45	---	11.68	11.55

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'00", long 80°37'00", in T.52 S., R.35 E., Miami-Dade County, Hydrologic Unit 03090202. Two gages are located on the east and west sides of the Levee 67A, 11.3 mi northeast of access gate at the Tamiami Trail. No section could be determine from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD FOR EAST GAGE.--July 1991 to current year.

PERIOD OF RECORD FOR WEST GAGE.--October 1994 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Shaft encoder located in the west gage shelter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR EAST GAGE FOR PERIOD OF RECORD.--Maximum gage height, 10.48 ft Oct. 15, 1999; minimum, 7.22 ft May 22-23, 2001.

EXTREME STAGES FOR EAST GAGE FOR CURRENT YEAR.--Maximum gage height, 9.72 ft Sept. 17; minimum, 8.03 ft May 30.

EXTREME STAGES FOR WEST GAGE FOR PERIOD OF RECORD.--Maximum gage height, 12.74 ft Dec. 21, 1994; minimum, 7.42 ft Apr. 27, 1999.

EXTREME STAGES FOR WEST GAGE FOR CURRENT YEAR.--Maximum gage height, 11.71 ft Oct. 20, 21; minimum, 8.09 ft May 26.

EAST
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.38	---	8.93	8.73	8.63	8.43	8.41	8.22	8.23	9.17	9.53	9.61
2	9.36	---	8.92	8.73	8.62	8.42	8.42	8.21	8.26	9.18	9.54	9.65
3	9.34	9.26	8.91	8.73	8.61	8.41	8.41	8.21	8.29	9.19	9.53	9.64
4	9.33	9.25	8.89	8.72	8.61	8.44	8.39	8.24	8.32	9.19	9.51	9.63
5	9.32	9.23	8.88	8.72	8.60	8.44	8.39	8.29	8.32	9.20	9.51	9.61
6	9.31	9.22	8.87	8.71	8.59	8.43	8.38	8.29	8.35	9.21	9.55	9.60
7	9.30	9.20	8.87	8.71	8.58	8.43	8.37	8.29	8.37	9.21	9.58	9.58
8	9.30	9.19	8.85	8.71	8.58	8.42	8.44	8.29	8.39	9.23	9.56	9.57
9	9.30	9.17	8.85	8.70	8.57	8.44	8.45	8.30	8.40	9.51	9.55	9.55
10	9.29	9.16	8.83	8.70	8.57	8.47	8.44	8.30	8.50	9.60	9.54	9.54
11	9.29	9.15	8.82	8.69	8.55	8.47	8.43	8.30	8.57	9.60	9.52	9.57
12	9.30	9.13	8.80	8.69	8.54	8.45	8.42	8.29	8.61	9.59	9.51	9.61
13	9.30	9.13	8.79	8.69	8.53	8.45	8.41	8.28	8.60	9.58	9.51	9.62
14	9.29	9.11	8.78	8.68	8.53	8.44	8.40	8.27	8.58	9.57	9.54	9.60
15	9.33	9.10	8.77	8.70	8.51	8.43	8.39	8.27	8.57	---	9.56	9.58
16	9.33	9.09	8.75	8.71	8.51	8.43	8.37	8.26	8.57	9.56	9.55	9.56
17	9.32	9.07	8.75	8.71	8.50	8.45	8.36	8.25	8.67	9.55	9.54	9.61
18	9.32	9.07	8.75	8.70	8.49	8.52	8.35	8.23	8.71	9.55	9.52	9.64
19	9.31	9.05	8.75	8.69	8.49	8.51	8.34	8.22	8.68	9.54	9.50	9.60
20	9.35	9.04	8.75	8.69	8.48	8.50	8.33	8.20	8.76	9.54	9.49	9.61
21	9.48	9.03	8.74	8.69	8.47	8.49	8.32	8.18	8.89	9.53	9.49	9.63
22	9.46	9.02	8.74	8.69	8.47	8.48	8.31	8.16	8.90	9.53	9.50	9.62
23	9.44	9.01	8.74	8.68	8.46	8.48	8.30	8.16	8.91	9.52	9.51	9.61
24	9.42	8.99	8.74	8.67	8.45	8.47	8.28	8.14	8.91	9.52	9.50	9.58
25	9.40	9.00	8.73	8.66	8.45	8.46	8.26	8.12	8.92	9.51	9.51	9.56
26	9.38	8.99	8.73	8.66	8.45	8.45	8.24	8.09	8.94	9.53	9.59	9.55
27	9.37	8.98	8.72	8.65	8.44	8.45	8.23	8.07	8.97	9.60	9.65	9.56
28	9.35	8.97	8.71	8.65	8.43	8.45	8.23	8.07	9.04	9.56	9.65	9.54
29	9.34	8.95	8.71	8.64	---	8.43	8.23	8.06	9.07	9.55	9.63	9.54
30	9.32	8.94	8.72	8.63	---	8.43	8.23	8.06	9.11	9.54	9.62	9.56
31	---	---	8.73	8.63	---	8.42	---	8.16	---	9.54	9.60	---
TOTAL	---	---	272.52	269.36	238.71	261.99	250.53	254.48	259.41	---	295.89	287.73
MEAN	---	---	8.79	8.69	8.53	8.45	8.35	8.21	8.65	---	9.54	9.59
MAX	---	---	8.93	8.73	8.63	8.52	8.45	8.30	9.11	---	9.65	9.65
MIN	---	---	8.71	8.63	8.43	8.41	8.23	8.06	8.23	---	9.49	9.54

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL—Continued

WEST
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.52	11.31	10.44	10.16	9.95	9.43	9.39	8.65	8.69	---	---	---
2	11.52	11.28	10.41	10.16	9.93	9.41	9.37	8.65	8.87	---	---	---
3	11.52	11.26	10.39	10.15	9.91	9.40	9.35	8.65	9.00	---	---	---
4	11.53	11.22	10.36	10.15	9.90	9.47	9.32	8.79	9.08	---	---	---
5	11.53	11.21	10.33	10.14	9.89	9.46	9.29	9.01	9.15	---	---	---
6	11.53	11.17	10.31	10.13	9.87	9.44	9.25	9.07	9.24	---	---	---
7	11.54	11.14	10.29	10.13	9.85	9.43	9.21	9.08	9.28	---	---	---
8	11.54	11.10	10.27	10.12	9.84	9.42	9.37	9.09	9.29	---	---	---
9	11.55	11.07	10.26	10.12	9.82	9.45	9.40	9.10	9.29	---	---	11.51
10	11.55	11.02	10.24	10.12	9.80	9.53	9.38	9.11	9.45	---	---	11.50
11	11.55	10.99	10.24	10.11	9.78	9.52	9.35	9.08	9.59	---	---	11.56
12	11.55	10.97	10.22	10.09	9.76	9.51	9.32	9.02	9.64	---	---	11.56
13	11.56	10.94	10.20	10.07	9.73	9.50	9.30	8.95	9.65	---	---	11.53
14	11.56	10.91	10.18	10.08	9.70	9.48	9.27	8.89	9.65	---	---	11.49
15	11.60	10.87	10.19	10.14	9.68	9.48	9.23	8.83	9.63	---	---	11.46
16	11.60	10.84	10.18	10.16	9.67	9.46	9.18	8.78	9.61	---	---	11.42
17	11.58	10.82	10.18	10.16	9.66	9.50	9.14	8.72	9.68	---	---	11.45
18	11.55	10.80	10.18	10.15	9.63	9.62	9.09	8.65	9.70	---	---	11.47
19	11.54	10.76	10.20	10.13	9.61	9.61	9.03	8.59	9.71	---	---	11.44
20	11.58	10.73	10.19	10.11	9.58	9.60	8.97	8.52	---	---	---	11.45
21	11.71	10.70	10.18	10.10	9.56	9.59	8.92	8.44	---	---	---	11.46
22	11.69	10.68	10.16	10.08	9.54	9.58	8.86	8.39	---	---	---	11.46
23	11.65	10.64	10.17	10.08	9.52	9.57	8.77	8.38	---	---	---	11.45
24	11.62	10.62	10.18	10.07	9.50	9.55	8.70	8.40	---	---	---	11.43
25	11.59	10.61	10.18	10.05	9.49	9.54	8.60	8.32	---	---	---	11.40
26	11.56	10.59	10.19	10.04	9.47	9.53	8.52	8.16	---	---	---	11.38
27	11.52	10.56	10.19	10.02	9.45	9.52	8.59	8.29	---	---	---	11.38
28	11.49	10.53	10.17	10.00	9.44	9.50	8.67	8.29	---	---	---	11.36
29	11.44	10.50	10.16	9.98	---	9.48	8.68	8.25	---	---	---	11.38
30	11.40	10.47	10.15	9.97	---	9.45	8.67	8.22	---	---	---	11.42
31	11.36	---	10.15	9.97	---	9.42	---	8.38	---	---	---	---
TOTAL	358.03	326.31	317.14	312.94	271.53	294.45	272.19	268.75	---	---	---	---
MEAN	11.55	10.88	10.23	10.09	9.70	9.50	9.07	8.67	---	---	---	---
MAX	11.71	11.31	10.44	10.16	9.95	9.62	9.40	9.11	---	---	---	---
MIN	11.36	10.47	10.15	9.97	9.44	9.40	8.52	8.16	---	---	---	---

254848080432001 SITE 65 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°48'52", long 80°43'12", SE ¼ T.53 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, in the Everglades Water Conservation Area 3A, 4 mi north of Tamiami Trail (U.S. Highway 41) and 5 mi west of Levee 67A. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.06 ft Dec. 21, 22, 1994; minimum, 7.82 ft May 22, 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.17 ft Sept. 3, 4; minimum, 8.61 ft May 29, 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.84	10.85	10.17	9.98	9.82	9.31	9.23	8.81	8.91	10.16	11.01	11.07
2	10.85	10.84	10.15	9.98	9.80	9.29	9.23	8.80	8.98	10.17	10.98	11.13
3	10.86	10.83	10.11	9.98	9.79	9.27	9.22	8.79	9.05	10.20	10.96	11.15
4	10.87	10.81	10.08	9.98	9.77	9.31	9.20	8.83	9.04	10.22	10.96	11.15
5	10.88	10.80	10.06	9.98	9.77	9.31	9.17	8.99	9.05	10.25	10.94	11.13
6	10.88	10.76	10.03	9.98	9.75	9.31	9.15	8.97	9.08	10.27	10.93	11.09
7	10.92	10.73	10.02	9.97	9.73	9.30	9.12	8.94	9.08	10.29	10.94	11.07
8	10.92	10.71	10.00	9.97	9.71	9.29	9.24	8.92	9.09	10.35	10.93	11.04
9	10.92	10.68	10.0	9.97	9.69	9.30	9.26	8.89	9.10	10.58	10.93	11.01
10	10.92	10.66	9.98	9.97	9.67	9.34	9.24	8.88	9.32	10.65	10.92	11.01
11	10.92	10.63	9.96	9.96	9.64	9.34	9.22	8.87	9.43	10.69	10.91	11.04
12	10.93	10.62	9.94	9.95	9.62	9.34	9.20	8.86	9.43	10.75	10.94	11.02
13	10.94	10.59	9.92	9.94	9.61	9.34	9.18	8.84	9.43	10.80	10.98	11.00
14	10.93	10.57	9.91	9.93	9.59	9.33	9.15	8.83	9.43	10.87	10.97	10.97
15	10.97	10.54	9.90	9.95	9.57	9.33	9.13	8.82	9.42	10.90	10.98	10.94
16	10.97	10.51	9.91	9.96	9.55	9.31	9.11	8.81	9.39	10.90	10.98	10.91
17	10.97	10.49	9.93	9.96	9.54	9.32	9.09	8.79	9.37	10.92	10.95	10.90
18	10.96	10.47	9.94	9.96	9.51	9.42	9.06	8.77	9.36	10.93	10.92	10.90
19	10.97	10.44	9.96	9.96	9.49	9.42	9.03	8.75	9.34	10.94	10.91	10.90
20	11.00	10.41	9.96	9.96	9.48	9.41	9.02	8.73	9.45	10.95	10.91	10.94
21	11.04	10.39	9.96	9.94	9.46	9.41	9.00	8.72	9.64	10.96	10.91	10.97
22	11.04	10.37	9.96	9.93	9.45	9.40	8.98	8.71	9.68	10.96	10.91	10.95
23	11.04	10.34	9.96	9.91	9.43	9.39	8.96	8.71	9.74	10.96	10.92	10.95
24	11.04	10.31	9.97	9.90	9.41	9.39	8.94	8.71	9.76	10.96	10.92	10.94
25	11.04	10.30	9.97	9.90	9.39	9.37	8.91	8.69	9.75	10.96	10.94	10.91
26	11.01	10.29	9.97	9.89	9.38	9.35	8.90	8.68	9.76	10.95	11.01	10.89
27	10.99	10.26	9.97	9.88	9.36	9.34	8.88	8.67	9.83	10.97	11.09	10.88
28	10.96	10.24	9.97	9.87	9.34	9.31	8.87	8.64	9.94	10.96	11.11	10.86
29	10.93	10.21	9.97	9.87	---	9.29	8.85	8.62	10.06	10.94	11.09	10.86
30	10.90	10.19	9.97	9.84	---	9.27	8.83	8.64	10.16	10.94	11.07	10.92
31	10.87	---	9.98	9.83	---	9.25	---	8.76	---	10.98	11.06	---
TOTAL	339.28	315.84	309.58	308.05	268.32	289.36	272.37	272.44	283.07	332.33	339.98	329.50
MEAN	10.94	10.53	9.99	9.94	9.58	9.33	9.08	8.79	9.44	10.72	10.97	10.98
MAX	11.04	10.85	10.17	9.98	9.82	9.42	9.26	8.99	10.16	10.98	11.11	11.15
MIN	10.84	10.19	9.90	9.83	9.34	9.25	8.83	8.62	8.91	10.16	10.91	10.86

255250080335001 SITE 71 IN CONSERVATION AREA 3B, NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'04", long 80°33'25", in T.52 S., R.35 E., Miami-Dade County, Hydrologic Unit 03090202, in Conservation Area 3B, 2.6 mi east of Levee 67°C and 8.3 mi southeast of intersection with Levee 30. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface is approximately 7.00 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum. Rainfall data available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. The U. S. Army Corps of Engineers maintains raingage after September 30, 2003.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.80 ft Oct. 15, 1999; minimum, 6.04 ft May 22, 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.83 ft Sept. 12, 13; minimum, 7.22 ft May 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.09	8.16	7.95	7.75	7.66	7.51	7.49	7.28	7.57	8.39	---	8.68
2	8.07	8.16	7.94	7.75	7.66	7.50	7.49	7.27	7.57	8.37	8.48	8.74
3	8.06	8.16	7.94	7.75	7.65	7.49	7.49	7.27	7.59	8.36	8.46	8.72
4	8.05	8.15	7.93	7.74	7.65	7.56	7.49	7.29	7.63	8.35	8.45	8.71
5	8.05	8.15	7.92	7.74	7.65	7.56	7.47	7.42	7.61	8.35	8.50	8.70
6	8.04	8.14	7.92	7.73	7.64	7.55	7.46	7.44	7.62	8.34	8.56	8.69
7	8.04	8.13	7.91	7.73	7.63	7.54	7.45	7.43	7.64	8.33	8.56	8.66
8	8.04	8.12	7.90	7.72	7.63	7.53	7.61	7.42	7.65	8.33	8.55	8.64
9	8.04	8.11	7.89	7.71	7.63	---	7.62	7.40	7.62	8.59	8.55	8.63
10	8.03	8.11	7.89	7.71	7.63	7.62	7.59	7.39	7.71	8.69	8.54	8.63
11	8.03	8.10	7.87	7.71	7.61	7.61	7.57	7.38	7.76	8.71	8.52	8.75
12	8.03	8.09	7.86	7.70	7.61	7.59	7.55	7.37	7.80	8.68	8.51	8.80
13	8.03	8.08	7.85	7.69	7.61	7.57	7.53	7.36	7.77	8.66	8.50	8.80
14	8.03	8.07	7.85	7.69	7.60	7.56	7.51	7.35	7.75	8.65	8.51	8.77
15	8.06	8.07	7.83	7.72	7.59	7.55	7.49	7.34	7.74	---	8.54	8.74
16	8.07	8.05	7.81	7.74	7.59	7.54	7.48	7.36	7.75	8.63	8.54	8.72
17	8.07	8.05	7.81	7.73	7.58	7.56	7.46	7.36	7.94	8.61	8.54	8.72
18	8.06	8.04	7.81	7.72	7.58	7.67	7.45	7.36	7.97	8.60	8.52	8.73
19	8.06	8.03	7.80	7.72	7.57	7.65	7.43	7.34	7.94	8.59	8.51	8.70
20	8.10	8.03	7.79	7.71	7.56	7.63	7.43	7.33	8.02	8.58	8.52	8.73
21	8.25	8.02	7.78	7.71	7.55	7.61	7.42	7.32	8.14	8.56	8.54	8.76
22	8.24	8.01	7.78	7.71	7.55	7.60	7.41	7.31	8.13	8.54	8.53	8.73
23	8.23	8.00	7.78	7.70	7.54	7.59	7.40	7.30	8.14	8.53	8.55	8.72
24	8.22	7.99	7.77	7.69	7.53	7.58	7.39	7.28	8.16	8.52	8.54	8.71
25	8.20	7.99	7.77	7.69	7.53	7.56	7.36	7.27	8.17	8.50	8.54	8.69
26	8.19	7.99	7.76	7.69	7.53	7.55	7.35	7.26	8.17	---	8.63	8.67
27	8.18	7.97	7.75	7.69	7.53	7.54	7.34	7.25	8.19	---	8.67	8.70
28	8.17	7.97	7.74	7.68	7.53	7.53	7.33	7.25	8.24	---	8.68	8.71
29	8.17	7.96	7.74	7.68	---	7.52	7.32	7.24	8.25	---	8.68	8.69
30	8.17	7.95	7.74	7.67	---	7.51	7.30	7.24	8.28	8.51	8.67	8.69
31	8.16	---	7.75	7.67	---	7.50	---	7.44	---	8.50	8.66	---
TOTAL	251.23	241.85	242.83	239.04	212.62	---	223.68	227.32	236.52	---	---	261.33
MEAN	8.10	8.06	7.83	7.71	7.59	---	7.46	7.33	7.88	---	---	8.71
MAX	8.25	8.16	7.95	7.75	7.66	---	7.62	7.44	8.28	---	---	8.80
MIN	8.03	7.95	7.74	7.67	7.53	---	7.30	7.24	7.57	---	---	8.63

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

LOCATION.--Lat 25°57'50", long 80°18'40", in SW $\frac{1}{4}$ sec.36, T.51 S., R.40 E., Broward County, Hydrologic Unit 03090202, 300 ft downstream of N.W. 67th Avenue bridge on A-frame walkway, 6.0 mi north of Hialeah, Dade County, 10.9 mi upstream from salinity-control structure 29, and 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to February 1962 (gage heights only), March 1962 to current year.

REVISED RECORDS.--WDR FL-74-2A, 1969; WDR FL-02-0219, 2001.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to January 31, 2002, telemetry included cellular phone/radio telemetry and electronic data logger provided by the South Florida Water Management District. Prior to July 19, 1999, water-stage recorder and electromagnetic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to October 1, 1975, at datum 0.28 ft lower. November 1, 1959, to March 15, 1962, water-stage recorder 10 ft downstream at datum 0.28 ft lower.

REMARKS.--Records poor. Flow affected by regulation at salinity-control structure 29, Broward county pump structure (S7) on the N.W. 67 Avenue Canal and, at times by tide, and is occasionally reversed. Records of gage heights prior to March 1962, are available in files of the U.S. Geological Survey. Discharge represents flow to the east. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete years of discharge (1963-86, 1993, 2000, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.57 ft Oct. 15, 1999; minimum, 0.58 ft June 22, 1960.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.15 ft June 24; minimum, 1.51 ft Oct. 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.87	2.36	2.40	1.92	2.24	2.10	2.25	2.08	2.40	2.53	2.14	2.21
2	1.77	2.32	2.41	1.88	2.24	2.07	2.26	2.08	2.39	2.39	2.11	---
3	e1.78	2.18	2.35	2.08	2.25	e2.06	2.27	2.11	2.02	2.30	2.09	2.35
4	1.71	2.13	2.06	2.15	2.25	2.27	2.25	2.35	1.96	2.22	2.11	2.45
5	1.65	2.14	---	2.18	2.24	2.30	2.24	2.31	1.96	2.53	2.11	2.38
6	1.73	2.33	1.88	2.19	2.24	2.30	2.23	2.26	2.19	2.33	2.12	2.37
7	2.19	2.32	1.84	2.19	2.23	2.21	2.21	2.31	2.29	2.15	2.30	2.33
8	2.33	2.34	1.80	2.19	2.22	2.04	2.28	2.35	2.33	2.07	2.56	2.33
9	e2.39	2.41	1.86	2.19	2.22	2.25	2.24	2.41	2.41	2.58	2.35	2.37
10	2.43	2.45	2.08	2.19	2.21	2.08	2.34	2.41	2.28	2.57	2.31	2.45
11	2.42	2.45	2.14	2.18	2.20	2.28	2.22	2.40	2.25	2.43	2.16	2.74
12	2.37	2.37	2.16	2.18	2.18	2.10	2.32	2.39	2.20	2.38	2.12	2.89
13	2.35	2.42	2.17	2.17	2.18	1.98	2.35	2.37	2.18	2.39	2.09	2.73
14	2.41	2.32	2.18	2.19	2.17	1.90	1.88	2.35	2.46	2.46	2.10	2.47
15	2.34	2.42	2.17	2.04	2.17	1.85	2.02	2.33	2.41	---	2.40	2.28
16	2.36	e2.43	2.16	1.99	2.16	1.83	2.11	2.32	2.38	2.21	2.26	2.22
17	2.39	2.42	2.17	1.91	2.15	1.87	2.20	2.29	2.39	2.15	2.20	e2.17
18	2.37	2.40	2.19	2.02	2.14	2.16	2.23	2.27	2.21	2.41	2.19	2.08
19	2.38	2.43	2.19	2.17	2.12	2.13	2.23	2.24	2.15	2.38	2.35	2.14
20	2.38	2.41	2.18	2.20	2.10	2.09	2.23	2.22	2.39	2.37	2.44	2.15
21	2.29	2.44	2.18	2.22	2.09	2.06	2.23	2.21	2.65	2.34	2.35	2.30
22	2.47	2.41	2.18	2.23	2.09	2.14	2.23	2.22	2.56	2.30	2.43	2.44
23	2.37	2.44	2.18	2.24	2.08	2.30	2.22	2.29	2.45	2.34	2.42	2.45
24	2.33	2.43	2.19	2.22	2.09	2.07	2.20	2.26	2.88	2.19	2.28	2.41
25	2.38	2.32	2.20	2.22	2.11	1.96	2.18	2.22	2.87	2.20	2.01	2.36
26	2.35	2.29	2.19	2.22	2.12	2.15	2.17	2.25	2.68	2.21	2.25	2.35
27	2.42	2.39	2.18	2.22	2.12	2.24	2.16	2.43	2.65	2.25	2.00	2.34
28	2.40	2.17	2.17	2.24	2.11	2.25	2.16	2.42	2.58	2.24	1.98	2.47
29	2.42	2.35	2.15	2.24	---	2.26	2.13	2.41	2.51	2.35	2.11	2.35
30	2.41	2.39	2.18	2.23	---	2.26	2.11	2.36	2.40	2.22	2.10	2.31
31	2.42	---	2.18	2.24	---	2.26	---	2.39	---	2.17	2.12	---
TOTAL	69.88	70.68	---	66.73	60.72	65.82	66.15	71.31	71.48	---	68.56	---
MEAN	2.25	2.36	---	2.15	2.17	2.12	2.21	2.30	2.38	---	2.21	---
MAX	2.47	2.45	---	2.24	2.25	2.30	2.35	2.43	2.88	---	2.56	---
MIN	1.65	2.13	---	1.88	2.08	1.83	1.88	2.08	1.96	---	1.98	---

e Estimated

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	510	237	135	295	88	92	95	91	367	613	407	381
2	500	288	133	256	92	97	101	126	406	628	405	e371
3	e525	345	196	123	97	e85	87	189	576	628	392	364
4	499	346	338	112	88	123	76	164	591	631	399	330
5	476	291	e350	110	89	88	62	342	597	466	395	340
6	361	177	337	123	72	100	76	304	506	585	388	442
7	106	173	356	109	90	164	91	243	455	609	366	416
8	66	167	364	103	95	220	354	151	443	655	450	256
9	e68	103	276	105	91	128	325	104	464	640	519	245
10	80	95	145	102	115	398	208	110	602	838	530	151
11	121	122	131	109	82	193	282	110	693	783	526	434
12	183	195	110	101	89	300	149	103	727	625	508	647
13	219	150	128	124	81	315	191	82	526	688	542	614
14	134	216	134	192	98	325	395	98	372	661	513	568
15	296	104	116	369	95	327	242	111	344	e632	309	596
16	226	e115	114	364	108	321	136	111	337	613	359	516
17	174	138	120	331	118	336	88	86	593	565	365	e518
18	215	160	131	185	90	324	50	89	615	371	370	496
19	217	127	121	112	70	298	50	87	637	398	183	512
20	289	149	111	113	81	289	65	117	694	403	144	417
21	498	125	110	117	107	299	64	124	707	381	216	359
22	359	155	115	119	103	205	77	126	685	366	166	297
23	364	131	138	112	90	132	110	153	743	342	151	283
24	375	163	129	101	106	272	93	130	962	385	391	296
25	307	220	123	104	104	305	83	124	876	352	393	310
26	307	228	118	124	102	120	99	88	827	353	382	306
27	217	171	97	120	104	102	114	76	841	400	536	298
28	245	275	93	71	96	111	59	76	783	383	497	259
29	215	129	102	95	---	80	73	107	789	295	365	286
30	216	133	101	118	---	92	80	183	695	383	333	322
31	191	---	178	102	---	96	---	169	---	402	334	---
TOTAL	8,559	5,428	5,150	4,621	2,641	6,337	3,975	4,174	18,453	16,074	11,834	11,630
MEAN	276	181	166	149	94.3	204	132	135	615	519	382	388
MAX	525	346	364	369	118	398	395	342	962	838	542	647
MIN	66	95	93	71	70	80	50	76	337	295	144	151
AC-FT	16,980	10,770	10,220	9,170	5,240	12,570	7,880	8,280	36,600	31,880	23,470	23,070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	329	246	176	172	169	160	139	175	347	288	325	346
MAX	642	727	348	408	408	625	623	650	829	740	920	891
(WY)	(1967)	(1970)	(1970)	(1995)	(1969)	(1970)	(1970)	(1979)	(1968)	(1966)	(1966)	(1966)
MIN	4.64	3.41	1.49	9.39	3.26	28.3	4.87	-4.84	31.3	10.0	1.64	1.94
(WY)	(1994)	(1994)	(1994)	(1994)	(1996)	(1996)	(1998)	(2001)	(1993)	(1993)	(1993)	(1993)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	69,674		98,876			
ANNUAL MEAN	190		271		267	
HIGHEST ANNUAL MEAN					518	1966
LOWEST ANNUAL MEAN					114	1993
HIGHEST DAILY MEAN	722	Sep 7	962	Jun 24	1,550	Mar 10, 1969
LOWEST DAILY MEAN	-25	Jul 17	50	Apr 18	-64	Sep 10, 1984
ANNUAL SEVEN-DAY MINIMUM	37	Apr 16	72	Apr 17	-13	May 7, 2001
ANNUAL RUNOFF (AC-FT)	138,200		196,100		193,100	
10 PERCENT EXCEEDS	405		587		559	
50 PERCENT EXCEEDS	121		205		214	
90 PERCENT EXCEEDS	66		89		60	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

255026080231300 SNAPPER CREEK CANAL EXTENSION AT NW 74TH STREET, NEAR HIALEAH, FL

LOCATION.--Lat 25°50'26", long 80°23'13", in SE $^1/_4$ sec.12, T.53 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, on the north side of a short spur canal that runs west from the main canal at N.W. 74th Street, and 5.5 mi upstream from the Tamiami Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1984 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.07 ft Oct. 15-17, 1999; minimum, 0.21 ft June 5, 6, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.15 ft July 13; minimum, 2.99 ft May 3.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	3.32	3.05	3.22	3.03	3.71	4.86	4.39	4.67
2	---	---	---	---	3.31	3.04	3.24	3.01	3.81	4.84	4.32	4.76
3	---	---	---	---	3.31	3.04	3.25	3.09	3.94	4.78	4.31	4.72
4	---	---	---	---	3.31	3.32	3.20	3.30	4.18	4.73	4.35	4.72
5	---	---	---	---	3.30	3.27	3.17	3.56	4.18	4.66	4.33	4.71
6	---	---	---	---	3.28	3.22	3.15	3.50	4.19	4.60	4.33	4.66
7	---	---	---	---	3.26	3.19	3.14	3.44	4.20	4.54	4.36	4.62
8	---	---	---	---	3.25	3.18	3.68	3.40	4.12	4.53	4.45	4.58
9	---	---	---	---	3.25	3.24	3.70	3.36	4.13	4.93	4.40	4.54
10	---	---	---	---	3.25	3.48	3.60	3.34	4.24	4.94	4.38	4.54
11	---	---	---	---	3.22	3.40	3.54	3.32	4.15	4.90	4.35	4.67
12	---	---	---	---	3.20	3.35	3.50	3.30	4.24	4.83	4.33	4.67
13	---	---	---	---	3.19	3.33	3.47	3.28	4.12	4.94	4.37	4.64
14	---	---	---	---	3.18	3.30	3.44	3.25	4.03	5.05	4.37	4.60
15	---	---	---	---	3.16	3.29	3.40	3.24	3.94	5.04	4.33	4.56
16	---	---	---	---	3.15	3.26	3.37	3.22	3.89	4.96	4.27	4.53
17	---	---	---	---	3.14	3.34	3.34	3.19	4.18	4.88	4.21	4.51
18	---	---	---	---	3.12	3.71	3.31	3.17	4.27	4.81	4.18	4.48
19	---	---	---	---	3.10	3.59	3.29	3.16	4.28	4.76	4.13	4.45
20	---	---	---	---	3.09	3.51	3.26	3.16	4.45	4.71	4.10	4.50
21	---	---	---	---	3.08	3.44	3.25	3.16	4.71	4.65	4.06	4.54
22	---	---	---	---	3.06	3.40	3.24	3.17	4.63	4.61	4.03	4.50
23	---	---	---	---	3.06	3.37	3.23	3.24	4.63	4.57	4.08	4.51
24	---	---	---	---	3.07	3.37	3.20	3.18	4.68	4.53	4.05	4.47
25	---	---	---	3.33	3.09	3.35	3.17	3.15	4.63	4.48	4.14	4.47
26	---	---	---	3.31	3.08	3.34	3.14	3.18	4.58	4.44	4.79	4.45
27	---	---	---	3.30	3.07	3.33	3.14	3.39	4.56	4.49	4.74	4.43
28	---	---	---	3.33	3.06	3.30	3.12	3.35	4.66	4.47	4.67	4.43
29	---	---	---	3.36	---	3.27	3.08	3.38	4.64	4.52	4.59	4.42
30	---	---	---	3.35	---	3.25	3.05	3.39	4.66	4.48	4.60	4.42
31	---	---	---	3.33	---	3.24	---	3.42	---	4.45	4.66	---
TOTAL	---	---	---	---	88.96	102.77	98.89	101.33	128.63	145.98	134.67	136.77
MEAN	---	---	---	---	3.18	3.32	3.30	3.27	4.29	4.71	4.34	4.56
MAX	---	---	---	---	3.32	3.71	3.70	3.56	4.71	5.05	4.79	4.76
MIN	---	---	---	---	3.06	3.04	3.05	3.01	3.71	4.44	4.03	4.42

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'42", long 80°48'25", in SE $^1/_4$ sec. 35, T.44 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, 0.25 mi downstream of S-354 and pump station 3 at Lake Okeechobee, 0.05 mi south of U.S. Highway 27 on the Miami Canal in Lake Harbor.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Prior to October 1940, monthly discharge only, published in WSP 1304. October 1988 to current year. December 1939 to June 1943 (published as Miami Canal at Lake Harbor, October 1957 to September 1988, published as Miami Canal at HGS-3, and S-3, at Lake Harbor.

REVISED RECORDS.--WDR FL-93-2A, 1992, (revised annual and monthly statistic record).

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. December 1, 1939 to June 30, 1943, nonrecording gage at this site at same datum. October 1, 1957 to September 30, 1959, dual water-stage recorder at present site, at datum 0.05 ft lower and October 1, 1959 to February 7, 1962, at datum 0.22 ft lower. October 1, 1957 to September 30, 1968, two deflection vane recorders. From 1981 water year to April 1, 1987, electromagnetic velocity meter and digital recorder. Electromagnetic velocity meter reinstalled May 11, 1988 and discontinued in the 1992 water year, September 11,1991 to October 4, 2003, acoustic velocity meter. Satellite data collection platform installed September 11, 1991. Acoustic doppler velocity meter installed May 23, 2002 and ran simultaneously with the acoustic velocity meter until October 4, 2003 when the acoustic velocity meter was removed. Prior to October 1, 1998, lake stage published under station number 02286399. Lake station discontinued September 30, 1998.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by gates and pump station at Lake Okeechobee. Discharge is the flow through acoustic velocity meter site approximately 0.25 mi below S-354 structure. Stage collected also at the acoustic velocity meter site. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump station 3 (negative figure indicates reverse flow). Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--S-3 pump, syphon record and S-354 gate-operation record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 40 complete water years of discharge (1957-89, 1993-97, 2001, 2004, 2005).

EXTREME CANAL STAGES FOR PERIOD OF RECORD.--Maximum gage height 14.92 ft, present datum, Mar. 21, 1960 and Oct. 2, 1965: minimum, 7.45 ft May 2, 2001.

EXTREME CANAL STAGES FOR CURRENT YEAR.--Maximum gage height, 12.91 ft Sept. 4; minimum, 8.18 ft Aug. 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.90	10.69	10.45	10.91	10.65	10.05	10.03	11.53	10.67	---	11.07	10.16
2	9.72	10.80	10.38	10.81	11.05	10.07	9.95	11.54	10.31	---	11.34	9.98
3	9.56	10.67	10.61	10.70	11.29	10.42	10.29	10.74	10.67	---	11.39	11.08
4	9.71	10.57	10.76	10.77	10.96	10.18	10.06	9.56	11.62	---	11.12	11.55
5	9.59	10.57	10.57	10.74	11.04	9.50	10.06	9.96	12.14	---	10.93	9.65
6	9.54	10.60	10.40	10.28	11.29	10.31	10.02	10.07	12.29	---	11.03	9.91
7	9.78	10.62	10.47	10.02	11.15	10.39	10.13	9.34	12.54	---	10.73	9.59
8	9.45	10.53	10.81	10.43	11.09	10.14	9.61	9.01	11.85	---	---	9.29
9	9.68	10.47	10.98	10.21	11.13	9.88	9.61	9.92	11.84	---	9.86	9.12
10	9.89	10.68	11.24	10.37	11.03	10.78	9.97	10.49	11.34	---	9.91	10.24
11	10.12	10.58	11.16	10.68	11.11	10.49	10.13	10.51	11.72	---	9.67	10.63
12	9.97	10.54	10.98	10.20	11.26	10.82	10.25	10.82	12.24	---	9.60	10.37
13	9.99	10.54	10.94	10.20	10.93	9.75	10.01	10.68	---	9.88	10.33	10.03
14	10.07	10.61	10.89	10.79	11.00	10.31	10.16	10.56	10.99	10.01	9.58	---
15	9.99	10.80	10.97	11.07	11.18	10.38	10.22	10.59	10.57	---	9.87	10.06
16	10.15	10.60	11.02	10.43	11.04	10.32	10.62	10.50	11.35	10.30	10.19	---
17	10.24	10.56	11.06	10.16	11.10	10.51	10.40	10.70	---	10.89	9.41	---
18	10.26	10.52	11.07	10.06	11.22	10.68	10.41	10.44	10.17	10.90	9.95	---
19	10.39	10.45	---	10.29	11.10	10.55	10.80	10.01	9.79	9.91	10.28	10.28
20	10.57	10.46	---	10.19	11.28	9.79	11.05	---	10.08	9.97	9.55	9.89
21	10.72	10.49	11.01	10.17	11.08	9.91	11.14	10.75	9.87	9.75	9.56	---
22	10.81	10.53	10.88	10.84	11.05	9.75	11.27	10.71	9.80	10.18	9.69	10.73
23	10.41	10.47	10.79	10.74	11.27	9.38	11.17	10.91	10.31	9.92	9.57	10.68
24	10.41	10.48	10.82	10.42	10.97	9.04	11.16	11.27	10.81	9.96	9.46	10.90
25	10.56	10.54	10.68	10.71	10.67	9.46	10.99	11.28	10.31	10.24	9.60	11.14
26	10.57	10.50	10.67	10.65	11.21	10.02	11.21	11.06	10.47	10.04	9.21	10.74
27	10.55	10.61	10.58	10.32	10.38	10.76	10.62	10.13	11.37	10.16	9.85	10.43
28	10.71	10.55	10.57	10.60	10.71	10.44	10.80	10.66	12.24	10.13	10.90	10.45
29	10.60	10.57	10.66	10.90	---	9.07	11.34	10.64	11.95	10.33	10.54	10.32
30	10.62	10.53	10.93	10.65	---	10.07	11.51	10.47	11.87	10.47	9.73	10.70
31	10.63	---	10.96	10.54	---	10.66	---	10.05	---	10.66	9.96	---
TOTAL	315.16	317.13	---	325.85	309.24	313.88	314.99	---	---	---	---	---
MEAN	10.17	10.57	---	10.51	11.04	10.13	10.50	---	---	---	---	---
MAX	10.81	10.80	---	11.07	11.29	10.82	11.51	---	---	---	---	---
MIN	9.45	10.45	---	10.02	10.38	9.04	9.61	---	---	---	---	---

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.9	23	-3.1	120	301	0.73	3.6	1,470	-6.5	e0.00	15	27
2	-14	114	71	128	747	376	2.2	1,350	19	e0.00	-9.4	-1.7
3	28	18	537	139	552	154	-23	730	38	e0.00	42	-23
4	-15	28	435	245	188	43	-16	489	25	e0.00	-2.5	34
5	8.2	8.4	205	127	355	95	0.77	-0.83	7.1	e0.00	-1.6	34
6	58	15	266	37	177	-3.7	177	16	2.4	e0.00	7.9	29
7	84	4.5	675	27	285	159	-9.7	13	-213	e0.00	6.3	3.8
8	37	-2.1	697	3.7	271	20	19	-13	-276	e0.00	e17	0.75
9	-11	142	779	16	640	33	-9.4	-5.5	-26	e0.00	24	-1.4
10	9.3	100	709	184	508	-11	25	17	25	e0.00	53	-26
11	17	11	567	36	623	32	333	163	8.9	e0.00	17	-31
12	27	15	574	13	384	-4.3	69	261	-19	e0.00	7.6	13
13	433	3.2	571	-20	111	11	241	32	e-29	-20	9.7	-14
14	504	64	831	-10	669	20	115	372	4.1	6.5	10	e201
15	42	39	991	9.8	604	-0.45	478	-11	12	e3.1	-4.9	52
16	6.6	-0.53	911	-38	735	-17	49	201	5.9	16	9.1	e285
17	-1.3	-4.9	888	4.6	920	34	50	298	e-1.1	-0.79	7.8	e59
18	39	9.5	564	4.3	877	2.5	700	123	27	11	-6.9	e57
19	34	10	e558	-17	818	-8.3	1,230	392	-0.18	23	12	80
20	7.5	9.2	e524	-19	323	-4.4	1,690	e495	52	0.19	-3.8	45
21	11	9.0	508	58	235	-8.2	1,690	619	57	-9.1	5.6	e14
22	46	4.6	286	138	589	-9.2	1,660	453	32	-12	8.1	36
23	29	18	12	-2.2	123	18	1,520	728	32	5.0	6.8	4.5
24	-14	-3.1	-13	150	60	15	1,500	822	9.4	9.5	20	10
25	-5.1	-0.21	20	436	4.1	33	1,640	823	28	2.9	34	-12
26	27	6.2	-5.6	7.1	2.7	20	1,600	203	16	72	19	0.65
27	130	49	-6.4	286	31	-20	920	203	-26	219	20	6.8
28	107	-10	5.5	285	32	54	1,170	532	-28	178	24	12
29	-10	1.8	173	89	---	6.5	1,410	619	-21	107	29	3.3
30	-7.2	7.5	290	23	---	9.1	1,500	460	-23	9.2	27	-1.0
31	12	---	135	397	---	22	---	124	---	1.2	23	---
TOTAL	1,617.1	689.06	12,754.4	2,857.3	11,164.8	1,071.28	19,734.47	11,977.67	-267.98	621.70	425.8	897.70
MEAN	52.2	23.0	411	92.2	399	34.6	658	386	-8.93	20.1	13.7	29.9
MAX	504	142	991	436	920	376	1,690	1,470	57	219	53	285
MIN	-15	-10	-13	-38	2.7	-20	-23	-13	-276	-20	-9.4	-31
AC-FT	3,210	1,370	25,300	5,670	22,150	2,120	39,140	23,760	-532	1,230	845	1,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	-62.5	41.4	95.9	107	190	238	448	343	6.31	-58.1	-93.1	-158
MAX	609	420	411	634	1,439	1,415	1,480	1,065	1,157	936	302	1,191
(WY)	(1989)	(1974)	(2005)	(1993)	(1993)	(1966)	(1993)	(2000)	(1998)	(1992)	(1993)	(1992)
MIN	-1,167	-429	-330	-849	-373	-1,185	-316	-296	-897	-769	-899	-1,614
(WY)	(1961)	(1961)	(1958)	(1958)	(1983)	(1970)	(1958)	(1972)	(1968)	(1985)	(1981)	(1960)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	91,317.81		63,543.30			
ANNUAL MEAN	250		174		76.3	
HIGHEST ANNUAL MEAN					487	1993
LOWEST ANNUAL MEAN					-290	1960
HIGHEST DAILY MEAN	1,390	Jul 9	1,690	Apr 20	2,280	Mar 24, 1966
LOWEST DAILY MEAN	-44	Feb 18	-276	Jun 8	-2,790	Mar 26, 1970
ANNUAL SEVEN-DAY MINIMUM	-21	Feb 16	-76	Jun 7	-2,170	Jun 18, 1959
ANNUAL RUNOFF (AC-FT)	181,100		126,000		55,270	
10 PERCENT EXCEEDS	772		619		555	
50 PERCENT EXCEEDS	27		20		1.1	
90 PERCENT EXCEEDS	-10		-9.5		-361	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

LOCATION.--Lat 26°19'53", long 80°46'29", in NE ¼ sec.7, T.48 S., R.36 E., Broward County, Hydrologic Unit 03090202, 26 mi south of Lake Harbor, and 26.4 mi downstream from S-354 and pump station 3 at Lake Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1962 to September 1968 (gage heights and discharge), October 1968 to December 1982, October 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to May 14, 2002, satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Acoustic doppler velocity meter installed November 16, 2001. The acoustic velocity meter and acoustic doppler meter were run in tandem for the period of November 16, 2001 to May 14, 2002. The acoustic velocity meter was installed October 2, 1990. Datum of gage is National Geodetic Vertical Datum of 1929. (Benchmark provided by South Florida Water Management District (SFWMD) converted from NAVD 88 survey levels through VERTCON to NGVD 1929). Prior to August 10, 1990, datum of gage was National Geodetic Vertical Datum of 1929 (Benchmark provided by U.S. Army Corps of Engineers (USACE). Datum of gage starting September 19, 1991 and ending September 30, 2004, is 0.22 ft lower than the previously published datum.

REMARKS.--Records fair except for estimated discharges, which are poor. Flow regulated by pumpage and operation of gate at pump station 8, by operation of S-354 and pump station 3 at Lake Okeechobee, and operation of drainage and irrigation pumps upstream. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--Discharge record furnished by South Florida Water Management District October 1968 to December 1982 for publication. Prior to October 1968, gage height, gate opening and pump records furnished by South Florida Water Management District, and records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTIC.--Figures represent 29 complete water years of discharge (1963-82, 1992, 1995-96, 1998, 2000, 2002-05).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.95 ft, Oct. 17, 1995 (corrected); minimum (daily) gage height, 6.02 ft June 7, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.66 ft June 13; minimum, 10.07 ft February 25.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.60	11.77	11.06	10.70	10.27	11.24	11.99	12.64	12.07	14.37	12.88	12.51
2	13.28	11.72	11.04	10.68	10.25	11.05	11.62	12.65	12.74	14.15	12.87	12.53
3	13.24	11.68	11.01	10.64	10.24	---	11.54	12.68	13.10	13.93	12.78	12.70
4	13.26	11.63	10.97	10.63	10.22	10.57	11.49	12.83	13.21	13.73	12.77	12.71
5	13.24	11.59	10.95	10.62	10.21	10.33	11.45	12.72	13.40	13.71	12.79	13.04
6	13.20	11.54	10.93	10.57	10.22	10.23	11.42	13.02	13.52	13.60	12.80	13.67
7	13.34	11.50	10.90	10.49	10.21	10.18	11.40	---	14.10	13.90	12.81	13.99
8	13.16	11.45	10.88	10.50	10.20	10.16	11.51	12.89	14.31	13.90	13.37	13.98
9	12.55	11.41	10.83	10.52	10.19	10.26	11.47	12.84	14.56	14.09	13.86	13.97
10	12.33	11.37	10.85	10.52	10.17	11.97	11.43	12.66	14.40	14.09	13.08	13.94
11	12.50	11.34	10.92	10.51	10.13	12.94	11.40	11.74	14.37	14.09	12.69	13.23
12	12.50	11.30	10.89	10.50	10.13	13.42	11.38	11.83	14.54	14.07	12.69	12.62
13	12.29	11.27	10.87	10.52	10.13	13.61	11.35	11.85	14.49	14.07	12.24	12.54
14	12.46	11.23	10.81	10.60	10.14	13.45	11.30	11.40	14.14	14.07	12.18	12.34
15	12.48	11.20	10.76	10.93	10.14	13.24	11.26	11.39	13.83	---	12.63	12.30
16	12.27	---	10.78	10.92	10.13	13.14	11.23	11.46	14.38	13.78	12.58	12.27
17	12.23	11.38	10.78	11.04	10.12	13.07	11.20	11.39	13.94	14.01	12.51	---
18	12.20	11.37	10.80	10.90	10.11	13.08	11.18	11.35	13.65	14.01	12.57	11.89
19	12.18	11.35	10.79	10.62	10.12	13.29	11.15	11.30	13.11	13.78	12.54	12.23
20	12.20	11.33	10.76	10.45	10.14	13.58	11.11	11.26	13.53	13.89	12.06	12.32
21	12.24	11.31	10.75	10.49	10.13	13.73	11.08	11.24	13.82	13.70	12.02	12.46
22	12.21	11.29	10.74	10.50	10.11	13.73	11.38	11.23	13.55	13.94	12.47	12.39
23	12.17	11.27	10.72	10.49	10.10	13.56	11.21	11.20	13.84	13.26	12.51	12.26
24	12.13	11.25	10.72	10.47	10.09	13.34	11.11	11.15	13.92	12.88	12.48	11.93
25	12.08	11.22	10.73	10.50	10.10	13.23	---	11.11	13.62	12.88	13.03	11.88
26	12.03	11.19	10.69	10.48	10.13	13.12	11.51	11.09	13.76	12.84	12.79	12.20
27	11.98	11.17	10.66	10.38	10.17	13.12	12.15	11.09	14.04	---	12.62	12.36
28	11.94	11.15	10.65	10.35	10.59	13.09	12.52	11.05	14.23	---	12.13	12.23
29	11.90	11.12	10.63	10.33	---	13.00	12.69	11.03	14.27	---	12.53	12.43
30	11.86	11.09	10.65	10.30	---	12.95	12.66	11.07	14.41	12.45	12.48	12.46
31	11.81	---	10.69	10.28	---	12.43	---	11.15	---	12.46	12.48	---
TOTAL	386.86	---	335.21	327.43	284.89	---	---	---	414.85	---	392.24	---
MEAN	12.48	---	10.81	10.56	10.17	---	---	---	13.83	---	12.65	---
MAX	13.60	---	11.06	11.04	10.59	---	---	---	14.56	---	13.86	---
MIN	11.81	---	10.63	10.28	10.09	---	---	---	12.07	---	12.02	---

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,440	4.2	e-31	51	e-8.8	73	217	1,090	519	2,650	601	476
2	1,000	e-17	e-5.7	44	e-37	27	e-3.3	1,060	792	2,230	590	485
3	1,010	e-25	e-33	33	e-9.6	e17	e-48	1,080	1,070	1,850	484	618
4	1,050	4.3	e-29	40	e-26	e-8.2	e-10	1,120	1,210	1,590	522	670
5	1,050	e-37	e-9.4	49	e-23	e-25	7.8	1,100	1,420	1,580	510	1,040
6	990	e-26	e-8.7	18	e-2.6	e-29	6.8	1,270	1,580	1,460	543	1,930
7	1,170	e-23	2.3	e-7.4	e-15	3.9	e-16	e1,380	2,490	2,000	590	2,090
8	960	e-24	e-21	13	e-30	e-37	e-34	1,130	2,850	1,940	1,350	2,060
9	228	e-26	12	15	9.6	2.4	e-42	1,120	3,240	2,110	1,930	2,040
10	e-30	14	26	20	e-24	711	e-13	1,020	2,870	2,080	811	1,990
11	234	12	7.4	23	e-16	1,030	19	359	2,820	2,110	434	1,010
12	270	e-7.7	e-13	20	e-29	1,540	e-21	233	3,190	2,040	479	408
13	e-45	e-18	e-22	9.7	11	1,690	e-31	247	3,030	2,040	e-13	405
14	228	e-19	e-9.5	19	6.3	1,500	e-33	2.2	2,380	2,060	e-14	232
15	239	e-9.1	e-11	7.0	13	1,310	e-24	e-21	1,890	e1,440	448	242
16	e-45	e-20	e-1.2	8.7	18	1,170	e-32	e-7.7	2,860	1,580	410	265
17	4.8	e-29	e-13	23	32	1,070	e-31	e-11	2,050	1,960	365	e-3.9
18	e-18	e-15	e-17	e-9.4	e-11	1,010	e-16	e-15	1,640	1,990	467	e-23
19	e-29	14	e-3.8	e-16	41	1,300	e-20	e-10	992	1,560	483	300
20	e-60	e-23	e-12	e-13	40	1,720	e0.00	e-11	1,530	1,780	e-21	329
21	e-11	e-5.4	23	e-14	17	1,890	e0.00	e-5.0	1,860	1,440	e-2.4	463
22	e-20	e-14	19	e-0.74	37	1,880	e118	e-18	1,520	1,880	483	396
23	e-19	e-2.1	5.6	2.3	36	1,620	e0.00	11	1,910	849	530	277
24	e-17	e-13	25	e-13	12	1,340	e0.00	e-1.1	1,980	419	465	0.38
25	e-13	e-22	e-3.2	e-4.8	28	1,210	e0.00	3.1	1,570	468	1,050	e-27
26	e-16	e-22	8.6	e-17	23	1,070	136	7.4	1,810	484	625	248
27	e-6.7	e-7.8	e-14	e-16	31	1,060	669	e-4.2	2,250	e439	542	371
28	e-2.2	e-49	1.5	5.5	88	1,010	980	1.0	2,480	e500	25	98
29	1.9	e-15	14	8.0	---	922	1,070	8.5	2,540	e472	488	448
30	1.3	e-24	26	6.1	---	897	1,080	18	2,760	13	424	448
31	3.7	---	39	e-22	---	531	---	e-24	---	e-26	438	---
TOTAL	9,548.8	-444.6	-48.1	281.96	210.9	27,505.1	3,929.30	12,132.2	61,103	44,988	16,036.6	19,285.48
MEAN	308	-14.8	-1.55	9.10	7.53	887	131	391	2,037	1,451	517	643
MAX	1,440	14	39	51	88	1,890	1,080	1,380	3,240	2,650	1,930	2,090
MIN	-60	-49	-33	-22	-37	-37	-48	-24	519	-26	-21	-27
AC-FT	18,940	-882	-95	559	418	54,560	7,790	24,060	121,200	89,230	31,810	38,250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	432	176	142	163	268	224	248	246	519	541	634	705
MAX	2,116	1,289	1,551	1,053	1,830	1,385	1,395	767	2,059	1,854	1,975	1,950
(WY)	(2000)	(1999)	(1995)	(1979)	(1993)	(1966)	(1993)	(1996)	(1982)	(1982)	(1974)	(1992)
MIN	6.58	-33.2	-186	-54.5	-56.9	-40.5	0.00	0.06	0.00	0.10	-0.48	0.00
(WY)	(1982)	(2001)	(2000)	(2000)	(2000)	(2000)	(1968)	(1962)	(1962)	(1962)	(1966)	(1981)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	141,581.21		194,528.64			
ANNUAL MEAN	387		533		361	
HIGHEST ANNUAL MEAN					900	1995
LOWEST ANNUAL MEAN					41.6	1967
HIGHEST DAILY MEAN	3,550	Sep 7	3,240	Jun 9	4,240	Oct 22, 1969
LOWEST DAILY MEAN	-60	Oct 20	-60	Oct 20	-369	Aug 3, 1991
ANNUAL SEVEN-DAY MINIMUM	-27	Nov 28	-27	Apr 12	-300	Dec 8, 1999
ANNUAL RUNOFF (AC-FT)	280,800		385,800		261,600	
10 PERCENT EXCEEDS	1,560		1,880		1,120	
50 PERCENT EXCEEDS	12		26		68	
90 PERCENT EXCEEDS	-22		-23		0.00	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL

LOCATION.--Lat 25°56'28", long 80°26'23", in NE $^1/_4$ sec.9, T.52 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, south of State Road 997 approximately 800 ft on south bank, 1000 ft downstream from control structure 32, 14.1 mi upstream from salinity-structure 26, 19.5 mi northwest of Miami, and 19.8 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to current year. Published as "at broken dam, near Miami" November 1959 to September 1967, and October 1984 to November 1988.

REVISED RECORDS.--WDR FL-99-2A, 1998.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County benchmark). Prior to January 20, 1968 and October 1984 to November 1988, at site 0.5 mi downstream at same datum.

REMARKS.--Records fair except for flows below 100 cfs and estimated daily discharges, which are poor. Flow affected by regulation at downstream salinity-control structure S-26 and by upstream storage releases at control structures 31, 32, and 32A and S-337. Prior to August 23, 1999, water-stage recorder and electromagnetic velocity meter. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 32 complete water years of discharge (1961-84, 87, 1992-94, 1999-2001, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.59 ft July 1, 1982; minimum, 1.40 ft May 31, 1962 (site at broken dam). See PERIOD OF RECORD.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.84 ft July 9; minimum, 1.94 ft Oct. 6.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.26	3.63	3.56	2.61	---	2.39	3.25	2.46	3.22	3.13	3.14	3.13
2	2.18	3.61	3.57	2.68	2.64	2.37	3.24	2.41	3.02	3.07	---	3.05
3	2.22	3.63	3.56	2.61	2.64	2.38	3.23	2.52	2.43	3.01	---	3.08
4	2.11	3.64	3.57	2.65	2.62	2.58	3.22	2.67	2.49	3.06	3.14	3.12
5	2.05	3.63	3.55	2.65	2.60	2.58	3.36	2.91	2.42	3.06	3.05	3.12
6	2.14	3.65	3.49	2.66	2.63	2.55	3.45	3.44	2.52	3.01	3.01	3.09
7	2.49	3.65	3.47	2.65	2.61	2.55	3.43	3.53	2.92	2.98	3.09	3.06
8	2.53	3.65	3.45	2.65	2.60	2.52	3.52	3.53	2.99	3.08	3.08	3.09
9	2.93	3.61	3.45	2.64	2.61	2.47	3.45	3.52	3.12	3.42	3.00	3.11
10	3.16	3.63	3.44	2.63	2.57	2.54	3.40	3.50	2.98	3.06	3.03	3.17
11	3.17	3.63	3.44	2.60	2.54	2.57	3.38	3.50	2.75	3.00	3.06	3.16
12	3.17	3.61	3.45	2.50	2.55	2.52	3.39	3.50	3.04	3.07	3.05	3.12
13	3.17	3.63	3.44	2.50	2.58	2.62	3.56	3.46	3.06	3.07	3.12	3.03
14	3.17	3.63	3.08	2.58	2.57	2.62	3.54	3.44	3.13	3.09	3.09	3.06
15	3.26	3.62	2.55	2.58	2.55	2.60	3.49	3.44	3.08	---	3.04	3.03
16	3.22	3.58	2.64	2.52	2.53	2.60	3.48	3.43	3.06	3.16	3.00	3.05
17	3.21	3.56	2.66	2.57	2.50	2.62	3.47	---	3.08	---	3.13	3.08
18	3.20	3.55	---	2.49	2.48	2.59	3.48	3.41	3.06	3.08	3.15	3.06
19	3.19	3.55	2.62	2.63	2.49	2.53	3.45	---	2.97	3.06	3.05	2.86
20	3.23	3.55	2.61	2.52	2.51	2.60	3.43	3.39	2.98	3.04	3.03	2.89
21	3.28	3.54	2.66	2.58	2.50	2.58	3.42	2.90	3.18	3.08	3.02	3.02
22	3.33	3.53	2.70	2.64	2.47	2.54	3.42	---	3.00	3.06	3.06	3.08
23	3.25	3.53	2.70	2.59	2.46	2.62	3.40	2.42	2.99	3.05	3.08	3.08
24	3.23	3.56	2.57	2.57	2.48	2.80	3.38	2.45	3.20	3.02	3.04	3.05
25	3.29	3.59	2.66	2.59	2.47	2.78	3.38	2.47	3.04	3.06	2.76	3.02
26	3.38	3.58	2.53	2.59	2.47	2.81	2.90	2.57	3.03	3.04	3.08	3.04
27	3.33	3.58	2.61	2.59	2.49	2.81	2.50	2.65	3.09	3.05	2.79	3.09
28	3.47	3.55	2.63	2.59	2.45	2.78	2.48	2.60	3.17	3.05	2.61	3.13
29	3.62	3.54	2.63	2.61	---	3.04	2.48	2.68	3.03	3.04	---	3.12
30	3.62	3.56	2.66	2.61	---	3.23	2.49	3.08	3.05	3.02	2.44	3.11
31	3.63	---	2.61	2.56	---	3.25	---	3.25	---	3.12	2.93	---
TOTAL	93.49	107.80	---	80.44	---	82.04	98.07	---	89.10	---	---	92.10
MEAN	3.02	3.59	---	2.59	---	2.65	3.27	---	2.97	---	---	3.07
MAX	3.63	3.65	---	2.68	---	3.25	3.56	---	3.22	---	---	3.17
MIN	2.05	3.53	---	2.49	---	2.37	2.48	---	2.42	---	---	2.86

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	502	485	53	e43	42	407	52	247	146	199	286
2	79	504	484	51	47	42	408	36	187	145	e242	238
3	82	496	478	52	46	38	406	43	51	147	e266	234
4	80	490	478	55	44	43	406	48	52	203	236	233
5	79	484	487	55	45	40	456	186	49	209	256	232
6	80	482	491	56	45	37	469	433	47	211	293	233
7	79	487	483	56	44	44	455	454	142	209	290	235
8	77	475	481	52	46	41	387	453	193	224	269	249
9	293	478	478	50	48	39	403	454	244	117	266	252
10	378	489	473	48	45	44	405	455	135	69	282	221
11	375	489	462	55	43	38	407	457	63	112	295	59
12	370	497	460	53	45	39	413	458	201	160	294	54
13	367	497	469	49	45	40	471	453	233	166	292	92
14	366	494	300	53	47	38	468	451	202	171	289	147
15	366	489	48	50	51	46	468	453	205	e217	293	152
16	361	482	51	44	52	53	467	453	200	215	292	151
17	374	475	51	46	42	44	463	e451	123	e209	339	185
18	381	477	e48	48	44	48	470	446	128	210	346	180
19	378	488	43	44	48	39	469	e444	103	210	310	109
20	370	486	45	46	51	46	471	443	52	208	309	72
21	373	483	45	45	51	50	466	217	54	218	308	145
22	367	481	48	41	50	56	464	e43	57	214	310	206
23	368	479	51	44	50	129	461	40	56	228	316	225
24	369	485	47	43	52	214	455	30	57	229	305	247
25	363	480	50	44	43	218	451	e20	63	220	161	246
26	359	479	47	43	45	215	233	45	106	255	65	257
27	373	488	45	41	47	217	47	45	146	199	74	277
28	451	482	47	46	43	212	47	49	149	241	69	276
29	502	486	48	44	---	342	55	82	124	239	e70	277
30	501	490	53	42	---	414	50	299	163	242	67	274
31	506	---	53	46	---	411	---	347	---	215	198	---
TOTAL	9,550	14,594	7,329	1,495	1,302	3,319	11,498	8,340	3,832	6,058	7,601	6,044
MEAN	308	486	236	48.2	46.5	107	383	269	128	195	245	201
MAX	506	504	491	56	52	414	471	458	247	255	346	286
MIN	77	475	43	41	42	37	47	20	47	69	65	54
AC-FT	18,940	28,950	14,540	2,970	2,580	6,580	22,810	16,540	7,600	12,020	15,080	11,990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2005, BY WATER YEAR (WY)

MEAN	211	222	203	198	186	172	201	160	136	147	166	183
MAX	921	696	638	586	826	826	885	689	798	636	668	649
(WY)	(1961)	(1961)	(1961)	(1961)	(1983)	(1983)	(1970)	(1970)	(1970)	(1982)	(1982)	(1966)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1981)	(1981)	(1982)	(1982)	(1980)	(1980)	(1979)	(1979)	(1980)	(1980)	(1980)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1961 - 2005	
ANNUAL TOTAL	80,962			
ANNUAL MEAN	222		198	
HIGHEST ANNUAL MEAN			476	1970
LOWEST ANNUAL MEAN			28.4	1997
HIGHEST DAILY MEAN	506	Oct 31	1,090	Mar 20, 1970
LOWEST DAILY MEAN	20	May 25	0.00	Apr 26, 1979
ANNUAL SEVEN-DAY MINIMUM	39	May 22	0.00	Apr 26, 1979
ANNUAL RUNOFF (AC-FT)	160,600		143,200	
10 PERCENT EXCEEDS	478		350	
50 PERCENT EXCEEDS	208		191	
90 PERCENT EXCEEDS	44		0.00	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

LOCATION.--Lat 25°53'28", long 80°25'13", in NE ¼ sec.27, T.52 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), 0.7 mi north of Pennsuco Canal, 1.9 mi east of Dade Broward Levee, 2.0 mi southwest of the Miami Canal, 4 mi east of Levee 30 Canal, and 2.5 mi west of Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Electronic data logger at auxiliary gage downstream of NW 137th Avenue gated culverts began February 24, 2003. Datum of gage is National Geodetic Vertical Datum of 1929 (DERM bench mark). Prior to February 21, 2003, site was 1.0 mi upstream at datum 0.10 ft lower. Prior to October 9, 2002, acoustic velocity meter. Acoustic doppler velocity meter installed February 21, 2003.

REMARKS.--Records fair except for flows below 40 cfs and estimated daily discharges, which are poor. Flow is the sum of regulation from vertical control structure DERM No. 1, NW 137th Avenue gated culverts and from levee seepage. Flow is positive to the east. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 water years of complete discharge (1992, 1996-2000, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.07 ft Oct. 15-17, 1999; minimum, 1.39 ft May 28, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.53 ft Sept.10; minimum, 3.27 ft May 2, 3.

EXTREME STAGES FOR AUXILIARY GAGE DOWNSTREAM FOR PERIOD OF RECORD.--Maximum gage height, 5.71 ft Sept. 29, 2003; minimum, 2.83 ft June 28, 29, 2004.

EXTREME STAGES FOR AUXILIARY GAGE DOWNSTREAM FOR CURRENT YEAR.--Maximum gage height, 5.28 ft July 13; minimum, 3.20 ft May 3.

UPSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.98	4.50	4.07	3.77	3.60	3.35	3.50	3.31	4.01	6.23	6.00	6.22
2	4.91	4.47	4.07	3.74	3.60	3.34	3.53	3.29	4.13	6.22	5.99	6.27
3	4.87	4.46	4.06	3.72	3.59	3.33	3.53	3.37	4.28	6.19	5.96	6.28
4	4.80	4.45	4.05	3.71	3.60	3.64	3.48	3.60	4.49	6.17	5.95	6.27
5	4.73	4.45	4.04	3.69	3.58	3.57	3.46	3.88	4.51	6.15	---	6.27
6	4.62	4.44	4.02	3.67	3.57	3.51	3.43	3.79	4.50	6.13	5.97	6.27
7	4.56	---	4.01	3.67	3.56	3.48	3.43	3.71	4.49	6.10	6.03	6.26
8	4.50	4.40	3.99	3.67	3.55	3.48	3.99	3.66	---	6.07	6.14	6.26
9	4.45	4.38	3.98	3.66	3.54	3.55	3.99	---	---	6.23	6.13	6.24
10	4.41	4.36	3.97	3.65	3.53	3.81	3.89	3.60	4.98	6.27	6.12	6.26
11	4.38	4.33	3.96	3.64	3.51	3.70	3.82	3.58	5.51	6.28	6.11	6.42
12	4.37	4.31	3.92	3.61	3.50	3.64	3.78	3.57	5.72	6.27	6.10	6.41
13	4.36	4.30	3.91	3.60	3.49	3.61	3.75	3.54	5.76	6.28	6.08	6.37
14	---	4.29	3.89	3.74	3.48	3.58	3.72	3.52	5.78	6.28	6.07	6.34
15	4.47	4.27	3.85	3.97	3.46	3.57	3.68	3.50	5.77	---	6.06	6.31
16	4.49	4.24	3.83	3.92	3.45	3.55	3.64	3.49	5.78	---	---	6.29
17	4.47	4.22	3.83	3.84	3.43	3.63	3.62	3.46	5.95	6.23	---	6.26
18	4.46	4.21	3.84	3.77	3.42	4.02	3.59	3.44	6.01	6.21	---	6.24
19	4.44	4.19	3.82	3.74	3.40	3.89	3.57	3.42	6.03	6.19	---	6.23
20	4.51	4.18	3.79	3.71	3.39	3.79	3.55	3.42	6.07	6.16	---	6.25
21	4.87	4.16	3.77	3.69	---	3.73	3.53	3.41	6.13	6.13	5.98	6.27
22	---	4.14	3.77	3.69	3.37	3.68	3.52	3.42	6.13	6.11	---	6.27
23	4.86	4.13	3.77	3.67	---	3.66	3.51	3.49	6.14	6.09	6.09	6.27
24	---	4.16	3.77	3.64	3.36	3.64	3.48	3.43	6.14	6.07	6.05	6.26
25	4.79	4.19	3.76	3.62	3.39	3.62	3.46	3.40	6.13	6.03	---	6.24
26	4.75	4.17	3.74	3.61	3.38	3.61	3.44	3.44	6.11	6.01	6.14	6.24
27	4.71	4.14	3.71	3.60	3.38	3.60	3.43	3.66	6.10	6.05	6.19	6.22
28	4.64	4.12	3.70	3.62	3.36	3.57	3.40	3.59	6.12	6.03	6.22	6.22
29	4.59	4.09	3.69	3.65	---	3.54	3.36	3.61	6.13	6.02	6.23	6.21
30	4.56	4.08	3.73	3.64	---	3.52	3.34	3.65	6.15	6.01	6.22	6.21
31	4.53	---	3.78	3.62	---	3.51	---	3.70	---	6.02	6.20	---
TOTAL	---	---	120.09	114.54	---	111.72	107.42	---	---	---	---	188.13
MEAN	---	---	3.87	3.69	---	3.60	3.58	---	---	---	---	6.27
MAX	---	---	4.07	3.97	---	4.02	3.99	---	---	---	---	6.42
MIN	---	---	3.69	3.60	---	3.33	3.34	---	---	---	---	6.21

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL—Continued

DOWNSTREAM
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.74	4.36	3.94	3.65	3.56	3.29	3.44	3.26	3.96	5.00	4.55	4.78
2	4.69	4.33	3.94	3.63	3.55	3.28	3.48	3.23	4.08	4.99	4.49	4.87
3	4.66	4.32	3.93	3.61	3.55	3.28	3.48	3.32	4.23	4.93	4.48	4.84
4	4.61	4.32	3.92	3.60	3.55	3.58	3.43	3.54	4.44	4.88	4.51	4.84
5	4.54	4.30	3.91	3.61	3.54	3.52	3.40	3.83	4.46	4.81	4.49	4.83
6	4.47	4.30	3.88	3.63	3.53	3.46	3.38	3.74	4.46	4.75	4.49	4.78
7	4.43	4.28	3.87	3.63	3.51	3.43	3.38	3.67	4.45	4.68	4.51	4.74
8	4.38	4.26	3.85	3.62	3.50	3.43	3.94	3.61	4.37	4.68	4.60	4.71
9	4.34	4.23	3.84	3.62	3.49	3.50	3.94	3.57	4.39	5.08	4.55	4.67
10	4.31	4.21	3.83	3.60	3.48	3.75	3.84	3.54	4.44	5.09	4.52	4.67
11	4.28	4.19	3.81	3.59	3.46	3.65	3.77	3.53	4.29	5.04	4.50	4.82
12	4.26	4.17	3.79	3.56	3.45	3.59	3.73	3.51	4.39	4.98	4.47	4.81
13	4.25	4.16	3.77	3.55	3.44	3.56	3.70	3.49	4.27	5.08	4.51	4.79
14	4.23	4.15	3.74	3.68	3.42	3.53	3.67	3.46	4.18	5.19	4.51	4.74
15	4.36	4.14	3.71	3.92	3.41	3.52	3.63	3.45	4.09	5.19	4.48	4.70
16	4.38	4.11	3.69	3.87	3.40	3.50	3.59	3.44	4.05	5.11	4.42	4.67
17	4.35	4.08	3.69	3.79	3.38	3.58	3.56	3.41	4.35	5.04	4.37	4.65
18	4.33	4.07	3.69	3.73	3.36	3.97	3.54	3.38	4.44	4.97	4.33	4.62
19	4.31	4.06	3.67	3.69	3.35	3.84	3.52	3.37	4.44	4.92	4.29	4.59
20	4.37	4.05	3.66	3.67	3.34	3.74	3.49	3.37	4.60	4.87	4.25	4.65
21	4.67	4.03	3.64	3.65	3.33	3.68	3.48	3.36	4.85	4.81	4.22	4.69
22	4.70	4.01	3.64	3.64	3.31	3.64	3.46	3.37	4.78	4.76	4.18	4.65
23	4.68	3.99	3.65	3.63	3.31	3.61	3.45	3.44	4.79	4.72	4.23	4.66
24	4.65	4.02	3.64	3.59	3.31	3.59	3.43	3.38	4.83	4.68	4.18	4.61
25	4.61	4.05	3.64	3.57	3.33	3.58	3.40	3.35	4.79	4.63	4.24	4.61
26	4.58	4.03	3.62	3.56	3.32	3.56	3.38	3.39	4.74	4.59	4.87	4.59
27	4.54	4.00	3.58	3.55	3.33	3.55	3.37	3.61	4.71	4.65	4.83	4.56
28	4.49	3.98	3.57	3.58	3.31	3.52	3.35	3.54	4.82	4.62	4.75	4.55
29	4.45	3.95	3.57	3.60	---	3.49	3.31	3.57	4.80	4.67	4.69	4.55
30	4.41	3.94	3.61	3.59	---	3.47	3.28	3.60	4.82	4.63	4.69	4.54
31	4.39	---	3.66	3.58	---	3.46	---	3.65	---	4.60	4.75	---
TOTAL	138.46	124.09	115.95	112.79	95.82	110.15	105.82	107.98	134.31	150.64	138.95	140.78
MEAN	4.47	4.14	3.74	3.64	3.42	3.55	3.53	3.48	4.48	4.86	4.48	4.69
MAX	4.74	4.36	3.94	3.92	3.56	3.97	3.94	3.83	4.85	5.19	4.87	4.87
MIN	4.23	3.94	3.57	3.55	3.31	3.28	3.28	3.23	3.96	4.59	4.18	4.54

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	113	99	88	81	79	73	70	93	21	24	24
2	159	112	99	86	79	76	76	70	108	25	24	33
3	151	111	99	85	80	77	77	74	118	24	25	27
4	145	110	97	82	80	97	73	87	110	22	25	22
5	140	111	97	86	80	85	74	104	115	26	e24	18
6	129	111	100	87	78	81	73	91	111	25	22	16
7	114	e112	97	85	80	78	73	83	98	23	25	18
8	109	111	97	85	80	79	102	79	e100	26	27	17
9	104	111	97	84	79	88	94	e74	e105	17	19	16
10	102	110	97	85	79	100	89	75	58	18	19	23
11	100	109	95	85	77	86	84	76	22	18	23	23
12	101	107	95	87	76	80	81	77	25	15	21	15
13	100	105	93	88	77	79	77	76	20	12	25	23
14	e99	106	94	103	80	78	77	76	21	19	25	21
15	103	104	94	115	80	78	78	75	21	e24	23	22
16	107	105	89	106	79	76	78	77	23	e19	e20	20
17	107	103	90	98	78	83	79	76	22	19	e20	20
18	110	102	90	94	78	102	78	76	22	17	e23	18
19	111	102	90	89	79	88	75	74	24	14	e23	15
20	117	101	88	86	79	83	76	73	24	15	e20	23
21	150	101	85	83	e79	79	76	74	21	18	26	25
22	e141	101	86	83	79	80	77	73	18	22	e27	22
23	142	101	85	82	e79	76	72	75	16	23	26	17
24	e141	103	87	82	79	76	73	74	12	23	13	18
25	137	106	86	79	77	76	75	74	16	23	e15	15
26	133	105	83	78	81	74	75	78	20	24	24	12
27	127	102	85	79	79	73	76	89	23	20	20	15
28	123	103	83	82	78	72	76	77	23	19	15	16
29	120	101	81	81	---	72	74	72	20	23	14	16
30	116	98	87	80	---	72	72	76	18	26	17	18
31	113	---	89	81	---	73	---	82	---	23	20	---
TOTAL	3,818	3,177	2,834	2,694	2,210	2,496	2,333	2,407	1,427	643	674	588
MEAN	123	106	91.4	86.9	78.9	80.5	77.8	77.6	47.6	20.7	21.7	19.6
MAX	167	113	100	115	81	102	102	104	118	26	27	33
MIN	99	98	81	78	76	72	72	70	12	12	13	12
AC-FT	7,570	6,300	5,620	5,340	4,380	4,950	4,630	4,770	2,830	1,280	1,340	1,170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

MEAN	163	170	160	157	155	147	148	136	142	143	162	156
MAX	219	228	225	231	225	217	268	248	235	219	229	210
(WY)	(1998)	(1996)	(1999)	(1999)	(1998)	(1995)	(1994)	(1994)	(1994)	(1997)	(1994)	(1995)
MIN	97.5	106	91.4	86.9	78.9	80.5	69.8	60.1	47.6	20.7	21.7	19.6
(WY)	(2002)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(1992)	(2005)	(2005)	(2005)	(2005)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1991 - 2005	
ANNUAL TOTAL	30,064.82		25,301			
ANNUAL MEAN	82.1		69.3		156	
HIGHEST ANNUAL MEAN					208	1996
LOWEST ANNUAL MEAN					69.3	2005
HIGHEST DAILY MEAN	174	Sep 30	167	Oct 1	360	Aug 16, 1992
LOWEST DAILY MEAN	-0.08	Sep 27	12	Jun 24	-0.08	Sep 27, 2004
ANNUAL SEVEN-DAY MINIMUM	14	Sep 2	16	Sep 23	14	Sep 2, 2004
ANNUAL RUNOFF (AC-FT)	59,630		50,180		112,900	
10 PERCENT EXCEEDS	111		109		221	
50 PERCENT EXCEEDS	88		78		172	
90 PERCENT EXCEEDS	50		19		73	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

LOCATION.--Lat 25°48'29", long 80°15'49", in NE ¼ sec.29, T.53 S., R.41 E., Miami-Dade County, Hydrologic Unit 03090202, on right bank at downstream end of NW 36th Street bridge fender at Miami, 1200 ft upstream from salinity-control structure S-26.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1959 to current year.

REVISED RECORDS.--WDR FL-98-2A, 1997, WDR FL-03-2A, 2002.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to June 12, 2002, electronic data logger with water-stage shaft encoder and acoustic velocity meter with phone/radio telemetry provided by South Florida Water Management District. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark).

REMARKS.--Records fair except for estimated daily discharges and discharges between -20 and 20 cfs, which are poor. Flow affected by tide and is occasionally reversed. Some seepage losses above station into Miami-Dade Water and Sewer Authority well field for groundwater withdrawals. Natural flow materially affected by levee and control structures 31, 32 and 32A about 14 mi upstream, and structure 26 downstream. Acoustic velocity meter began on October 1, 1996, and was removed on June 12, 2002. Acoustic doppler velocity meter began on June 12, 2002. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete water years of discharge (1960-85, 1987-88).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.28 ft (estimated) Oct. 15, 1999; minimum, -0.55 ft Apr. 26, 1970.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.19 ft Oct. 22; minimum, 0.34 ft July 21.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.62	2.54	2.52	2.60	2.68	2.51	2.46	2.48	2.53	1.51	2.28	1.37
2	1.60	2.49	2.53	2.74	2.69	2.47	2.46	2.49	2.29	1.42	2.00	1.48
3	1.59	2.59	2.53	2.63	2.69	e2.46	2.43	2.52	1.62	1.48	1.62	1.57
4	1.54	2.62	2.55	2.70	2.70	2.63	2.42	2.63	1.59	1.31	2.30	1.67
5	1.52	2.61	2.48	2.69	2.71	2.68	2.45	2.52	1.51	1.41	1.65	1.71
6	1.90	2.57	2.43	2.69	2.69	2.65	2.50	2.46	1.99	1.38	1.37	1.72
7	2.50	2.58	2.45	2.69	2.67	2.61	2.43	2.50	2.45	1.40	1.40	1.73
8	2.53	2.65	2.43	2.70	2.67	e2.59	2.54	2.53	2.46	1.48	1.47	1.83
9	2.53	2.59	2.46	2.70	2.65	2.51	2.51	2.53	1.95	1.73	1.43	1.88
10	2.56	2.60	2.46	2.68	2.67	2.57	2.48	2.49	1.68	1.44	1.42	2.09
11	2.55	2.59	2.47	2.64	2.66	2.61	2.49	2.47	1.59	1.43	1.46	2.18
12	2.57	2.58	2.48	2.49	2.64	2.55	2.52	2.46	1.54	1.31	1.46	2.16
13	2.58	2.55	2.47	2.44	2.61	2.70	2.56	2.43	1.80	1.29	1.58	1.98
14	2.58	2.53	2.52	2.53	2.60	2.69	2.55	2.41	2.46	1.45	1.48	1.93
15	2.59	2.54	2.62	2.53	2.59	2.67	2.47	2.42	2.45	---	1.47	1.97
16	2.46	---	2.68	2.55	2.58	2.63	2.48	2.44	2.31	1.47	1.54	2.06
17	2.49	2.53	2.72	2.61	2.58	2.62	2.53	2.40	1.70	1.51	1.54	---
18	2.49	2.53	2.63	2.55	2.57	2.54	2.53	2.42	1.77	1.54	1.58	2.01
19	2.52	2.54	2.68	2.70	2.56	2.53	2.48	2.47	1.66	1.58	1.65	1.93
20	2.33	2.55	2.67	2.54	2.54	2.64	2.44	2.43	1.75	1.66	1.65	2.08
21	1.97	2.54	2.70	2.64	2.53	2.58	2.47	2.49	1.81	1.82	1.63	1.97
22	2.12	2.55	2.70	2.70	2.52	2.53	2.48	2.62	1.68	1.67	1.63	1.90
23	2.06	2.51	2.73	2.65	2.50	2.58	2.46	2.36	1.61	1.63	1.63	1.84
24	2.15	2.52	2.58	2.66	2.52	2.51	2.48	2.53	1.73	1.60	1.61	1.75
25	2.47	2.54	2.69	2.67	2.54	2.50	2.49	2.56	1.73	2.02	1.76	1.66
26	2.79	2.53	2.63	2.66	2.54	2.54	2.47	2.59	1.64	1.50	1.91	1.69
27	2.59	2.51	2.71	2.66	2.53	2.52	2.57	2.59	1.57	1.44	1.58	1.75
28	2.53	2.49	2.69	2.59	2.54	2.53	2.54	2.60	1.52	1.48	1.33	1.84
29	2.57	2.45	2.69	2.62	---	2.48	2.50	2.59	1.47	1.57	1.11	1.82
30	2.53	2.51	2.66	2.65	---	2.45	2.47	2.47	1.47	1.71	1.64	1.83
31	2.53	---	2.60	2.61	---	2.46	---	2.52	---	2.30	1.83	---
TOTAL	71.36	---	80.16	81.51	72.97	79.54	74.66	77.42	55.33	---	50.01	---
MEAN	2.30	---	2.59	2.63	2.61	2.57	2.49	2.50	1.84	---	1.61	---
MAX	2.79	---	2.73	2.74	2.71	2.70	2.57	2.63	2.53	---	2.30	---
MIN	1.52	---	2.43	2.44	2.50	2.45	2.42	2.36	1.47	---	1.11	---

e Estimated

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431	375	456	84	4.5	1.5	328	4.5	408	792	325	694
2	403	396	447	6.7	1.2	4.1	341	-6.0	485	791	401	672
3	440	419	446	58	6.2	e3.6	345	94	538	719	537	642
4	408	421	443	13	1.3	61	339	101	590	742	283	607
5	387	392	453	9.4	4.5	-4.7	317	279	626	684	580	588
6	168	409	410	9.8	7.8	-0.18	257	424	450	677	654	561
7	7.2	403	380	5.3	5.6	3.9	308	424	390	658	661	562
8	9.2	368	374	2.5	0.36	e-4.6	551	411	370	605	640	471
9	120	394	352	7.0	3.6	49	494	402	598	835	627	461
10	185	394	353	5.1	-13	135	476	421	731	808	617	418
11	188	422	345	7.6	5.2	81	447	416	742	747	608	577
12	192	422	378	11	3.5	93	428	410	772	756	602	575
13	189	455	384	9.6	5.2	-1.3	435	381	601	758	601	538
14	193	451	225	89	4.1	-8.1	415	385	401	728	632	---
15	325	441	7.3	174	3.5	-17	418	398	358	---	605	---
16	365	e432	6.5	126	-8.3	7.1	394	383	430	707	560	426
17	324	436	-0.26	99	-22	87	363	364	765	668	557	---
18	318	415	66	68	-8.0	232	357	360	702	638	529	418
19	281	400	29	6.0	11	138	375	321	708	609	464	421
20	425	387	33	100	8.1	6.7	382	347	800	564	465	402
21	---	396	8.0	2.0	8.1	9.4	361	193	892	445	490	508
22	---	370	9.6	-2.6	3.2	13	352	-3.3	803	551	481	522
23	---	410	8.9	36	5.8	2.1	364	168	810	565	507	535
24	---	447	83	14	5.9	209	339	-13	863	560	512	533
25	---	442	59	0.51	3.1	213	317	-7.7	758	395	452	533
26	203	404	44	-2.9	1.7	175	201	49	736	592	669	545
27	307	428	7.6	-1.3	6.5	191	-1.3	153	766	625	684	318
28	341	403	6.3	79	-5.9	194	11	76	817	594	682	369
29	368	420	7.9	24	---	268	8.8	153	770	560	658	301
30	384	439	74	58	---	336	11	365	746	506	440	297
31	389	---	66	67	---	333	---	341	---	265	510	---
TOTAL	---	12,391	5,961.84	1,164.71	52.76	2,810.52	9,733.5	7,793.5	19,426	---	17,033	---
MEAN	---	413	192	37.6	1.88	90.7	324	251	648	---	549	---
MAX	---	455	456	174	11	336	551	424	892	---	684	---
MIN	---	368	-0.26	-2.9	-22	-17	-1.3	-13	358	---	283	---
AC-FT	---	24,580	11,830	2,310	105	5,570	19,310	15,460	38,530	---	33,780	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	366	283	209	178	176	147	120	130	256	255	291	362
MAX	1,272	1,071	1,041	939	791	729	662	682	813	791	848	1,146
(WY)	(1961)	(1961)	(1960)	(1961)	(1961)	(1960)	(1960)	(1960)	(1968)	(1959)	(1960)	(1960)
MIN	34.5	6.94	0.00	0.00	0.00	-1.61	0.00	-5.53	0.33	4.08	2.32	76.6
(WY)	(1981)	(1989)	(1982)	(1981)	(1982)	(1962)	(1974)	(1993)	(1980)	(1981)	(1987)	(1987)

SUMMARY STATISTICS	WATER YEARS 1959 - 2005	
ANNUAL MEAN	251	
HIGHEST ANNUAL MEAN	843	1960
LOWEST ANNUAL MEAN	31.2	1987
HIGHEST DAILY MEAN	1,730	Oct 16, 1999
LOWEST DAILY MEAN	-279	Jun 1, 1993
ANNUAL SEVEN-DAY MINIMUM	-69	May 26, 1993
ANNUAL RUNOFF (AC-FT)	182,000	
10 PERCENT EXCEEDS	610	
50 PERCENT EXCEEDS	202	
90 PERCENT EXCEEDS	0.00	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.