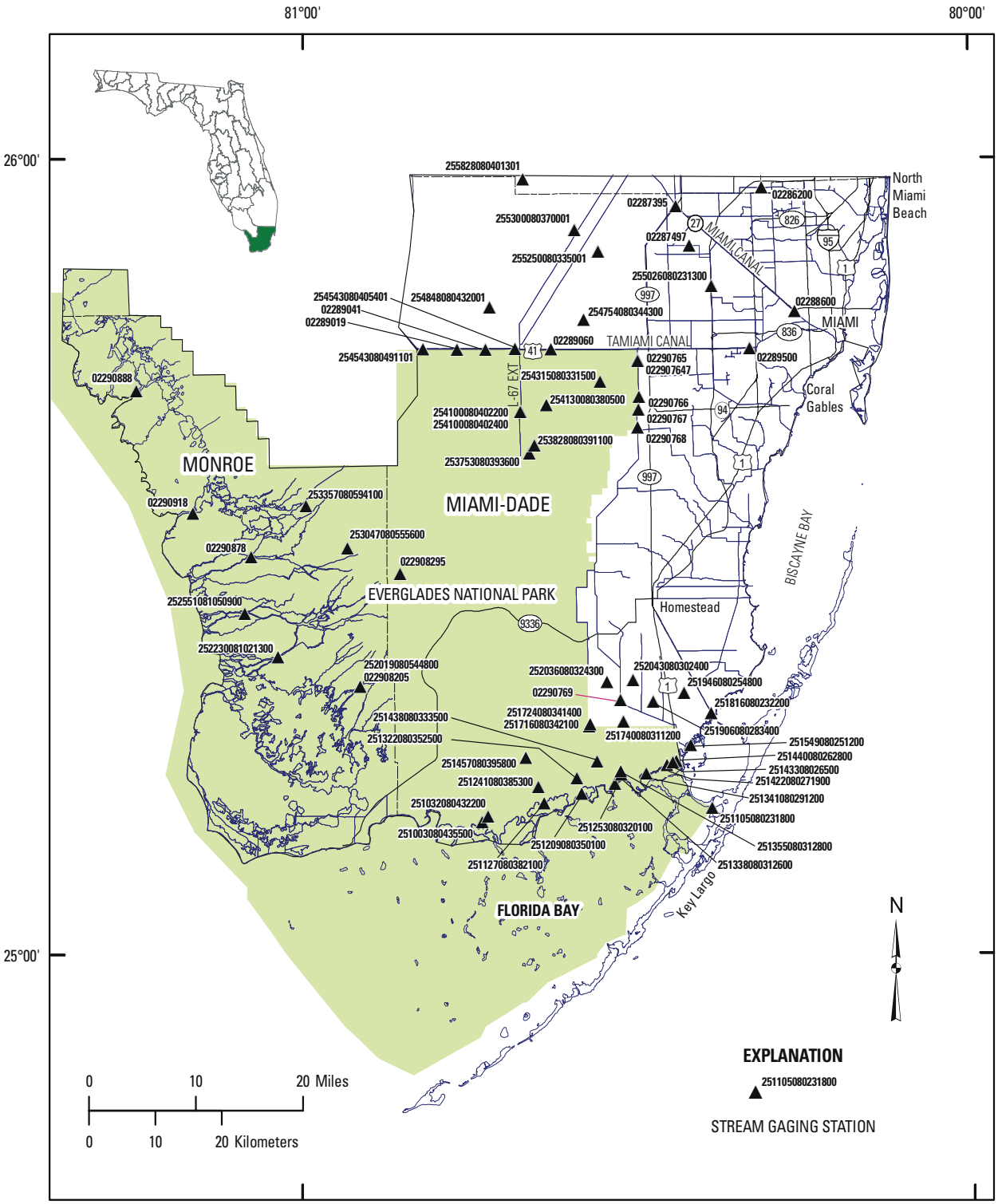

Figure 20. Location of gaging stations in the portion of the Everglades and the southeastern coastal area south of latitude 26 degrees, Florida Bay, and the Florida Keys.

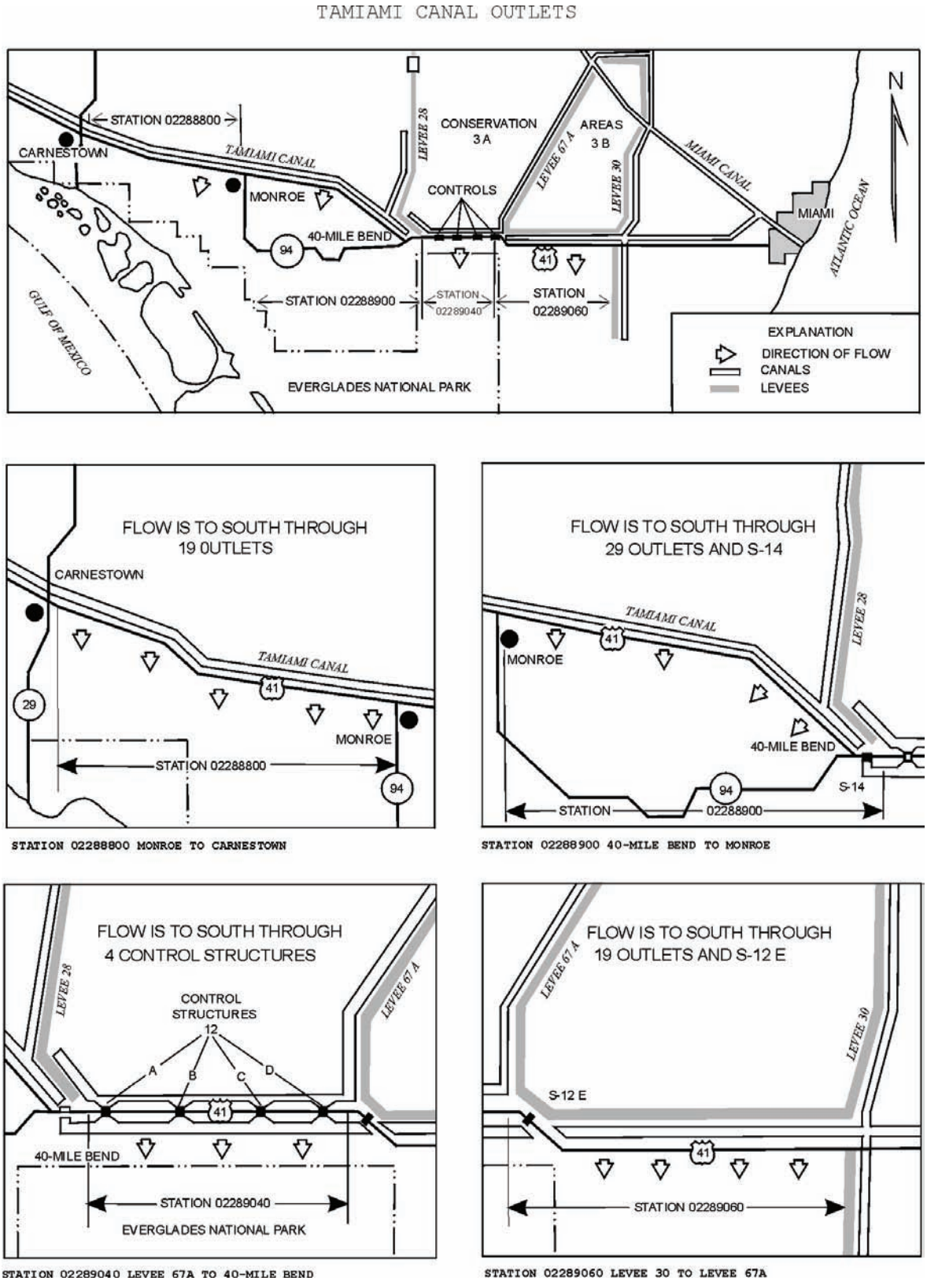

Figure 21. Tamiami Canal Outlets.

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

LOCATION.--Lat 25°53'10", long 81°15'30", in NW ¼ sec.6, T.53 S., R.31 E., Collier County, Hydrologic Unit 03090204, on downstream side of bridge 84 on U.S. Highway 41, 7 mi east of Carnestown, and 10 mi west of Monroe.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year.

REVISED RECORDS.--WDR FL-98-2A, 1997.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 2, 1963, at site 2 mi east at datum 0.93 ft lower. From May 2, 1963 to February 10, 1965, at site on west bank of unnamed lateral 30 ft downstream.

REMARKS.--Records poor. Figures of discharge consist of runoff from Big Cypress Watershed as represented by flow through all the outlets of the Tamiami Canal from Monroe, 55 mi west of Miami, to a point 1 mi east of the intersection with State Highway 29 at Carnestown (Bridge numbers 95-77). Flow at western-most outlets affected by tide. Flow measurements under tidal influence are computed as zero flow. Zero flow occurs for numerous days, during most of the water years. Peak flow above base is not determined.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 44 complete water years of discharge (1960-94, 1996-2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.90 ft present datum Sept. 14, 1960; minimum, -0.52 ft, June 5-8, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.67 ft June 26; minimum, 0.10 ft May 31.

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	4.53	4.06	3.45	3.08	2.64	2.22	2.79	2.34	---	5.59	4.95	4.60
2	4.51	4.00	3.44	3.06	2.62	2.13	2.77	2.29	---	5.50	4.94	4.64
3	4.49	3.96	3.43	3.06	2.59	2.06	2.76	2.20	---	5.37	4.89	4.77
4	4.45	3.93	3.41	3.03	2.57	2.54	2.67	2.12	---	5.25	4.83	4.79
5	4.42	3.91	3.40	2.99	2.55	2.65	2.59	2.41	---	5.12	4.75	4.80
6	4.39	3.89	3.37	2.96	2.52	2.60	2.52	2.51	---	5.01	4.77	4.82
7	4.37	3.87	3.36	2.95	2.49	2.55	2.45	---	---	4.92	4.85	4.84
8	4.34	3.82	3.33	2.93	2.46	2.55	3.20	---	3.42	4.88	5.06	4.84
9	4.31	3.79	3.33	2.93	2.43	2.74	3.40	2.15	3.45	5.14	5.10	4.82
10	4.29	3.76	3.32	2.92	2.40	3.16	3.37	2.02	3.61	5.18	5.08	4.78
11	4.25	3.75	3.32	2.90	2.36	3.17	---	1.88	3.87	5.14	5.04	4.76
12	4.24	3.73	3.32	2.88	2.33	3.12	---	1.71	4.15	5.09	5.01	4.72
13	4.23	3.71	3.30	2.86	2.29	3.07	3.24	1.52	4.39	5.08	4.95	4.68
14	4.21	3.68	3.27	2.90	2.26	3.04	3.20	1.34	4.48	5.04	4.89	4.64
15	4.21	3.66	3.24	3.07	2.22	2.99	3.14	1.21	4.55	5.02	4.87	4.60
16	4.22	3.63	3.23	3.09	2.18	2.95	3.09	1.08	4.58	4.98	4.84	4.56
17	4.20	3.60	3.22	3.07	2.14	3.01	3.04	0.98	4.64	4.97	4.84	4.53
18	4.18	3.58	3.21	3.03	2.09	3.35	2.99	---	4.69	4.94	4.85	4.53
19	4.18	3.55	3.21	3.00	2.04	3.34	2.93	0.77	4.70	4.90	4.83	4.49
20	4.18	3.53	3.19	---	2.00	3.31	2.87	---	4.84	4.85	4.89	4.52
21	4.18	3.50	3.17	---	1.95	3.28	2.82	---	5.14	4.81	4.86	4.77
22	4.18	3.48	3.16	2.90	1.90	3.25	2.83	0.55	5.32	4.76	4.80	5.01
23	4.19	3.46	3.15	2.88	1.86	3.22	2.77	0.52	5.51	4.72	4.74	5.00
24	4.21	3.44	3.15	2.84	1.82	3.19	2.69	0.47	5.60	4.69	4.69	4.88
25	4.22	3.51	3.15	2.80	1.86	3.14	2.61	0.43	5.58	4.67	4.65	4.77
26	4.21	3.56	3.13	2.77	2.06	3.11	2.54	---	5.57	4.74	4.64	4.70
27	4.19	3.55	3.11	2.75	2.23	3.06	2.59	---	5.61	4.78	4.67	4.75
28	4.18	3.54	3.10	2.74	2.28	3.02	2.65	---	5.63	4.87	4.70	4.75
29	4.15	3.51	3.08	2.73	---	2.97	2.53	---	5.64	4.93	4.67	4.73
30	4.13	3.47	3.07	2.70	---	2.91	2.43	---	5.64	4.97	-34.27	4.70
31	4.10	---	3.06	2.67	---	2.85	---	---	---	4.95	4.62	---
TOTAL	132.14	110.43	100.68	---	63.14	90.55	---	---	---	154.86	111.00	141.79
MEAN	4.26	3.68	3.25	---	2.25	2.92	---	---	---	5.00	3.58	4.73
MAX	4.53	4.06	3.45	---	2.64	3.35	---	---	---	5.59	5.10	5.01
MIN	4.10	3.44	3.06	---	1.82	2.06	---	---	---	4.67	-34.27	4.49

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, 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	955	287	34	e0.00	0.00	0.01	e0.00	15	e0.00	4,560	2,050	1,240
2	938	245	33	e0.00	e0.00	0.00	e0.00	15	e1.3	4,100	2,020	1,330
3	916	214	31	e0.00	e0.00	0.00	e0.00	12	e18	3,500	1,860	1,630
4	868	196	29	e0.00	e0.00	1.8	e0.00	9.3	e23	2,980	1,700	1,700
5	803	181	27	e0.00	e0.00	2.6	e0.00	32	e25	2,500	1,480	1,710
6	760	172	24	0.00	e0.00	2.5	e0.00	46	e31	2,150	1,510	1,790
7	713	156	22	0.00	e0.00	2.4	e0.00	e36	e44	1,880	1,710	1,830
8	675	137	20	0.00	e0.00	2.6	7.3	e22	53	1,790	2,350	1,820
9	630	122	19	0.00	e0.00	5.4	14	13	64	2,680	2,450	1,740
10	594	111	19	0.00	e0.00	23	16	8.1	111	2,830	2,370	1,660
11	548	105	18	0.00	e0.00	26	e17	5.5	230	2,690	2,240	1,590
12	527	97	17	0.00	e0.00	25	e18	3.6	457	2,520	2,120	1,500
13	514	88	16	0.00	e0.00	24	20	2.3	761	2,510	1,930	1,390
14	476	79	14	e0.00	e0.00	23	21	1.3	931	2,400	1,720	1,300
15	475	72	12	e0.00	0.00	21	22	e0.00	1,080	2,320	1,660	1,220
16	481	65	9.7	e0.00	0.00	14	22	e0.00	1,130	2,210	1,580	1,140
17	458	59	8.3	e0.00	0.00	16	21	e0.00	1,250	2,180	1,560	1,080
18	434	55	7.2	e0.00	0.00	41	21	e0.00	1,340	2,090	1,610	1,080
19	424	50	6.4	e0.00	0.00	32	19	0.00	1,340	1,950	1,590	1,010
20	417	46	5.4	e0.00	0.00	22	18	e0.00	1,710	1,790	1,750	1,070
21	409	43	4.6	e0.00	0.00	15	17	e0.00	2,630	1,660	1,680	1,620
22	402	39	4.0	0.00	0.00	10	22	0.00	3,380	1,540	1,540	2,350
23	407	36	3.6	0.00	0.00	7.5	20	0.00	4,340	1,450	1,420	2,320
24	419	33	3.2	0.00	0.00	5.9	18	0.00	4,820	1,360	1,330	1,930
25	415	42	2.9	0.00	0.00	4.4	15	0.00	4,650	1,330	1,250	1,620
26	404	49	2.5	0.00	0.00	3.4	14	e0.00	4,590	1,510	1,240	1,450
27	387	48	2.2	0.00	e0.00	2.6	21	e0.00	4,750	1,590	1,330	1,570
28	385	46	1.9	0.00	e0.00	2.0	31	e0.00	4,880	1,830	1,400	1,560
29	357	42	1.6	e0.00	---	1.3	23	e0.00	4,880	2,000	1,360	1,520
30	335	37	1.3	e0.00	---	e0.00	18	e0.00	4,870	2,090	1,300	1,440
31	312	---	1.1	0.00	---	e0.00	---	e0.00	---	2,050	1,260	---
TOTAL	16,838	2,952	400.9	0.00	0.00	336.41	435.30	221.10	54,389.30	70,040	52,370	46,210
MEAN	543	98.4	12.9	0.00	0.00	10.9	14.5	7.13	1,813	2,259	1,689	1,540
MAX	955	287	34	0.00	0.00	41	31	46	4,880	4,560	2,450	2,350
MIN	312	33	1.1	0.00	0.00	0.00	0.00	0.00	0.00	1,330	1,240	1,010
AC-FT	33,400	5,860	795	0.00	0.00	667	863	439	107,900	138,900	103,900	91,660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

MEAN	880	336	159	130	102	102	39.5	45.1	480	784	926	1,232
MAX	2,623	1,877	1,627	1,312	840	1,499	397	347	2,658	2,830	1,948	3,165
(WY)	(2000)	(1995)	(1995)	(1995)	(1983)	(1970)	(1970)	(1996)	(1969)	(1966)	(1981)	(1960)
MIN	68.7	12.8	0.03	0.00	0.00	0.00	0.00	0.00	6.58	40.0	38.0	341
(WY)	(1962)	(1991)	(1991)	(2005)	(1982)	(1975)	(1961)	(1962)	(2001)	(1980)	(1963)	(1967)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1960 - 2005	
ANNUAL TOTAL	121,361.25		244,193.01			
ANNUAL MEAN	332		669		420	
HIGHEST ANNUAL MEAN					790	1983
LOWEST ANNUAL MEAN					187	1975
HIGHEST DAILY MEAN	2,590	Aug 8	4,880	Jun 28	6,010	Sep 13, 1960
LOWEST DAILY MEAN	0.00	few days	0.00	many days	0.00**	
ANNUAL SEVEN-DAY MINIMUM	0.00	few days	0.00	many days	0.00**	
ANNUAL RUNOFF (AC-FT)	240,700		484,400		304,200	
10 PERCENT EXCEEDS	1,290		2,030		1,300	
50 PERCENT EXCEEDS	35		32		98	
90 PERCENT EXCEEDS	1.6		0.00		0.00	

e Estimated

** Many days during the water years 1961,62, 1966, 1970, 1972-77, 1979-83, 1988-2005

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.

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

LOCATION.--Lat 25°51'05", long 80°58'50", in SW $^1/_4$ sec.13, T.53 S., R.33 E., Collier County, Hydrologic Unit 03090202, on south bank, 25 ft east of bridge 105 on U.S. Highway 41, and 54 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only), October 1963 to current year. Prior to October 1963, published as Tamiami Canal at Bridge 105, near Miami (auxiliary). Records of gage height prior to October 1963, are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to February 20, 1952, non-recording gage and February 20, 1952, to May 28, 1952, water-stage recorder, at same site at datum 0.37 ft higher.

REMARKS.--Records poor. Figures of daily discharge consist of runoff from Big Cypress Watershed and from the southern extension of the Levee 28 canal as represented by flow through all 29 bridges from bridge 28 to 22 and bridge 117 to 96. Prior to October 1963, daily discharge for this portion of canal was published as part of the total daily discharge of station, Tamiami Canal Outlets, Miami to Monroe (station 02289000). No NASQAN water quality records collected after September 30, 1993. No peaks above base determined. Zero flow occurs numerous days, during many water years.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Average annual mean discharge, 356 ft^3/s, 257, 900 acre-ft/yr. Figures represent 63 complete water years of discharge (1964-88, 1990-97, 1999-2005). Monthly discharge only, available 1941-63 water years.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.01 ft Oct. 20, 1947 (present datum); minimum, 2.65 ft May 26,1974.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.03 ft July 10; minimum, 4.69 ft May 31, June 1.

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	8.57	8.35	8.17	7.67	7.24	6.56	6.85	6.14	4.85	8.94	8.78	8.82
2	8.55	8.35	8.16	7.64	7.22	6.52	6.79	6.09	5.72	8.91	8.75	8.85
3	8.54	8.34	8.15	7.62	7.20	6.50	6.73	6.02	6.78	8.87	8.72	8.96
4	8.53	8.34	8.14	7.60	7.19	6.87	6.67	6.01	6.82	8.86	8.70	8.93
5	8.53	8.33	8.12	7.59	7.18	6.89	6.62	6.29	6.96	8.83	---	8.90
6	8.52	8.33	8.11	7.59	7.15	6.84	6.54	6.32	7.21	8.79	---	8.87
7	8.55	8.32	8.11	7.57	7.13	6.78	6.48	6.24	7.17	8.75	---	8.85
8	8.54	8.31	8.10	7.56	7.10	6.79	7.29	6.13	7.13	8.75	---	8.82
9	8.52	8.30	8.09	7.55	7.08	---	7.53	6.00	7.17	8.99	8.69	8.80
10	8.50	8.30	8.09	7.53	7.06	---	7.54	5.88	7.81	9.01	8.68	8.78
11	8.49	8.29	8.07	7.51	7.04	7.27	7.53	5.76	8.28	8.99	8.69	8.76
12	8.50	8.28	8.06	7.49	7.00	---	7.49	5.64	8.31	8.95	8.68	8.77
13	8.50	8.27	8.04	7.47	6.97	---	7.44	5.52	8.31	8.92	8.69	8.76
14	8.48	8.27	8.03	7.49	6.95	---	7.38	5.45	8.30	8.91	8.67	8.76
15	8.50	8.27	8.00	7.55	6.92	---	7.31	5.37	8.28	8.88	8.65	8.74
16	8.50	8.25	7.97	7.54	6.89	7.06	7.23	5.27	8.26	8.87	8.64	8.72
17	8.48	8.24	7.96	7.52	6.87	7.16	7.14	5.15	8.24	8.90	8.64	8.76
18	8.46	8.24	7.95	7.50	6.85	7.60	7.06	5.04	8.22	8.87	8.62	8.76
19	8.46	8.22	7.94	7.47	6.83	7.58	6.98	4.94	8.21	8.84	8.63	8.75
20	8.46	8.22	7.92	7.46	6.79	7.54	6.91	4.86	8.34	8.80	8.68	8.81
21	8.45	8.21	7.89	7.44	6.75	7.49	6.84	5.04	8.50	8.78	8.74	8.91
22	8.44	8.20	7.87	7.42	6.71	7.45	6.77	5.48	8.51	8.74	8.79	8.89
23	8.43	8.19	7.85	7.42	6.68	7.40	6.72	5.61	8.55	8.71	8.74	8.87
24	8.42	8.19	7.84	7.40	6.64	7.34	6.65	5.55	8.65	8.69	8.74	8.85
25	8.40	8.21	7.83	7.38	6.63	7.30	6.55	5.44	8.68	8.66	8.77	8.82
26	8.39	8.22	7.82	7.36	6.62	7.24	6.46	5.32	8.70	8.66	8.81	8.80
27	8.38	8.21	7.78	7.34	6.61	7.18	6.43	5.19	8.74	8.72	8.87	8.78
28	8.37	8.20	7.75	7.33	6.59	7.13	6.41	5.04	8.91	8.71	8.88	8.77
29	8.36	8.19	7.73	7.31	---	7.05	6.32	4.89	8.98	8.72	8.86	8.79
30	8.35	8.18	7.70	7.29	---	6.98	6.22	4.77	8.96	8.75	8.85	8.79
31	8.35	---	7.69	7.27	---	6.92	---	4.71	---	8.81	8.83	---
TOTAL	262.52	247.82	246.93	231.88	193.89	---	206.88	171.16	237.55	273.58	---	264.44
MEAN	8.47	8.26	7.97	7.48	6.92	---	6.90	5.52	7.92	8.83	---	8.81
MAX	8.57	8.35	8.17	7.67	7.24	---	7.54	6.32	8.98	9.01	---	8.96
MIN	8.35	8.18	7.69	7.27	6.59	---	6.22	4.71	4.85	8.66	---	8.72

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, 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	1,480	866	335	79	47	6.3	16	0.17	0.39	2,900	2,510	2,420
2	1,480	866	302	78	45	5.1	13	0.11	16	2,730	2,420	2,520
3	1,490	830	269	76	44	4.6	11	0.00	19	2,580	2,320	2,990
4	1,530	815	237	76	43	13	8.3	0.31	13	2,500	2,240	2,860
5	1,500	776	210	76	42	11	6.8	5.9	21	2,370	e2,300	2,690
6	1,490	760	185	76	40	9.3	4.7	9.4	35	2,200	e2,300	2,580
7	1,610	718	168	74	38	7.1	3.2	9.2	32	2,060	e2,160	2,480
8	1,550	690	151	73	37	7.2	26	8.0	30	2,020	e2,120	2,390
9	1,480	647	142	72	35	e9.6	29	6.6	32	2,910	2,120	2,300
10	1,410	619	132	70	34	e31	30	5.3	186	2,980	2,100	2,220
11	1,360	586	122	68	32	31	29	4.4	533	2,860	2,100	2,170
12	1,380	563	114	66	30	e27	26	3.4	604	2,700	2,070	2,180
13	1,370	539	107	64	28	e24	24	2.6	603	2,550	2,070	2,140
14	1,290	521	101	66	26	e22	20	2.7	579	2,480	1,990	2,110
15	1,390	500	93	72	24	e20	17	2.9	550	2,350	1,950	2,050
16	1,370	472	91	71	22	18	14	2.4	507	2,340	1,890	2,010
17	1,300	453	91	69	21	26	12	1.6	468	2,480	1,870	2,140
18	1,230	437	91	66	20	59	9.8	0.58	428	2,390	1,810	2,090
19	1,210	420	91	64	18	58	8.2	0.13	411	2,310	1,820	2,060
20	1,190	406	90	63	16	56	6.9	0.00	703	2,220	1,990	2,280
21	1,180	391	88	62	14	52	5.9	1.4	1,210	2,150	2,180	2,660
22	1,170	380	86	60	12	49	4.8	11	1,240	2,080	2,330	2,540
23	1,120	367	86	61	11	46	4.4	17	1,410	2,010	2,160	2,460
24	1,070	362	87	59	9.7	42	3.5	14	1,830	1,950	2,150	2,360
25	1,030	401	88	57	8.9	39	2.2	10	1,920	1,900	2,270	2,250
26	996	405	87	56	8.5	36	1.4	6.4	1,980	1,920	2,430	2,150
27	948	390	84	54	8.0	33	1.4	3.2	2,130	2,120	2,640	2,090
28	915	387	83	53	7.1	30	1.6	0.99	2,790	2,140	2,680	2,070
29	894	364	81	52	---	25	0.86	0.12	3,090	2,210	2,580	2,080
30	896	350	80	50	---	22	0.38	0.00	3,020	2,340	2,550	2,100
31	868	---	79	49	---	19	---	0.00	---	2,590	2,470	---
TOTAL	39,197	16,281	4,051	2,032	721.2	838.2	341.34	129.81	26,390.39	73,340	68,590	69,440
MEAN	1,264	543	131	65.5	25.8	27.0	11.4	4.19	880	2,366	2,213	2,315
MAX	1,610	866	335	79	47	59	30	17	3,090	2,980	2,680	2,990
MIN	868	350	79	49	7.1	4.6	0.38	0.00	0.39	1,900	1,810	2,010
AC-FT	77,750	32,290	8,040	4,030	1,430	1,660	677	257	52,350	145,500	136,000	137,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	864	491	265	193	149	130	73.4	61.9	355	624	734	873
MAX	4,052	3,057	3,369	3,062	1,790	971	437	583	1,707	2,366	2,213	2,315
(WY)	(1996)	(1995)	(1995)	(1995)	(1995)	(1995)	(1983)	(1969)	(1982)	(2005)	(2005)	(2005)
MIN	66.6	26.4	3.80	1.54	0.53	0.00	0.00	0.00	0.01	24.7	29.7	135
(WY)	(1973)	(1975)	(1991)	(1990)	(1985)	(1971)	(1971)	(1967)	(2004)	(2004)	(1987)	(1967)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1964 - 2005
ANNUAL TOTAL	135,009.06	301,351.94	
ANNUAL MEAN	369	826	408
HIGHEST ANNUAL MEAN			1,660 1995
LOWEST ANNUAL MEAN			118 1975
HIGHEST DAILY MEAN	2,240 Sep 6	3,090 Jun 29	7,270 Oct 17, 1999
LOWEST DAILY MEAN	0.00**	0.00*	0.00**
ANNUAL SEVEN-DAY MINIMUM	0.00**	0.49 Apr 28	0.00**
ANNUAL RUNOFF (AC-FT)	267,800	597,700	295,300
10 PERCENT EXCEEDS	1,200	2,360	1,140
50 PERCENT EXCEEDS	110	142	132
90 PERCENT EXCEEDS	0.06	5.9	1.2

e Estimated

* Many days.

** Many days during water years 1965-67, 1971-77, 1979, 1981, 1982, 1984, 1985, 1988-92, 1999-2002, 2004, 2005.

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.

254754080344300 SHARK RIVER SLOUGH NO. 1 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°47'54", long 80°33'43", in SW $^1/_4$ sec.30, T.53 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, 2.8 mi northwest of Coopertown on east-west ditch in Conservation Area 3B.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year. Prior to October 1977, published as "Shark Valley Slough No. 1 in Conservation Area 3B near Coopertown."

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

REMARKS.--Water years 1994 - 1997 were corrected by -0.02 ft, due to levels. Water years 1998 and 1999 were corrected by -0.03 ft, due to levels. Corrected data are in the files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.76 ft Oct. 15, 1999; minimum, 3.95 ft May 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.76 ft Sept. 11; minimum, 6.82 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	7.78	8.02	7.76	7.44	7.26	7.07	7.07	6.87	7.14	8.21	8.31	8.57
2	7.79	8.02	7.75	7.43	7.25	7.06	7.07	6.85	7.20	8.21	8.30	8.63
3	7.80	8.01	7.74	7.42	7.24	7.05	7.09	6.89	7.25	8.20	8.27	8.62
4	7.81	8.01	7.72	7.41	7.24	7.11	7.07	7.02	7.31	8.19	8.26	8.62
5	7.81	8.00	7.71	7.40	7.24	7.11	7.06	7.10	7.32	8.18	8.25	8.61
6	7.81	7.99	7.71	7.39	7.23	7.10	7.04	7.11	7.34	8.16	8.26	8.59
7	7.83	7.99	7.69	7.39	7.22	7.08	7.03	7.11	7.37	8.15	8.30	8.57
8	7.84	7.98	7.69	7.37	7.22	7.08	7.18	7.10	7.43	8.16	8.34	8.55
9	7.83	7.97	7.68	7.36	7.21	7.10	7.20	7.08	7.43	8.45	8.34	8.52
10	7.83	7.96	7.67	7.35	7.20	7.15	7.19	7.07	7.60	8.54	8.34	8.52
11	7.82	7.95	7.66	7.34	7.19	7.14	7.18	7.04	7.68	8.57	8.33	8.63
12	7.82	7.95	7.65	7.33	7.19	7.13	7.16	7.03	7.71	8.57	8.35	8.70
13	7.82	7.94	7.63	7.32	7.18	7.12	7.15	7.02	7.69	8.57	8.41	8.67
14	7.82	7.93	7.62	7.33	7.17	7.11	7.14	7.01	7.68	8.57	8.43	8.65
15	7.88	7.92	7.60	7.39	7.17	7.11	7.13	6.99	7.65	---	8.50	8.63
16	7.89	7.91	7.59	7.40	7.16	7.10	7.11	6.99	7.63	8.56	8.45	8.60
17	7.88	7.90	7.58	7.39	7.15	7.11	7.09	6.98	7.63	8.55	8.42	8.60
18	7.88	7.89	7.57	7.37	7.15	7.20	7.08	6.97	7.66	8.53	8.39	8.61
19	7.88	7.88	7.56	7.36	7.14	7.20	7.06	6.95	7.73	8.52	8.37	8.59
20	7.91	7.87	7.55	7.34	7.13	7.19	7.05	6.94	7.89	8.51	8.34	8.61
21	8.05	7.86	7.53	7.33	7.12	7.18	7.04	6.93	8.06	8.48	8.32	8.63
22	8.06	7.84	7.52	7.32	7.11	7.17	7.02	6.93	8.07	8.46	8.32	8.62
23	8.07	7.83	7.51	7.31	7.10	7.17	7.00	6.97	8.11	8.43	8.37	8.61
24	8.07	7.82	7.51	7.30	7.10	7.16	6.99	6.95	8.12	8.41	8.38	8.59
25	8.07	7.82	7.50	7.29	7.09	7.16	6.97	6.93	8.10	8.39	8.39	8.57
26	8.06	7.82	7.49	7.28	7.09	7.14	6.95	6.91	8.10	8.37	8.60	8.58
27	8.05	7.81	7.47	7.27	7.08	7.14	6.94	6.89	8.11	8.37	8.64	8.60
28	8.05	7.80	7.46	7.27	7.08	7.13	6.93	6.87	8.12	8.36	8.63	8.61
29	8.04	7.78	7.45	7.27	---	7.11	6.91	6.85	8.13	8.35	8.61	8.60
30	8.03	7.77	7.44	7.27	---	7.10	6.89	6.90	8.14	8.34	8.59	8.59
31	8.03	---	7.44	7.26	---	7.09	---	7.06	---	8.33	8.57	---
TOTAL	245.31	237.24	235.45	227.70	200.71	220.87	211.79	216.31	231.40	---	260.38	258.09
MEAN	7.91	7.91	7.60	7.35	7.17	7.12	7.06	6.98	7.71	---	8.40	8.60
MAX	8.07	8.02	7.76	7.44	7.26	7.20	7.20	7.11	8.14	---	8.64	8.70
MIN	7.78	7.77	7.44	7.26	7.08	7.05	6.89	6.85	7.14	---	8.25	8.52

261533080571600 L-28 INTERCEPTOR CANAL BELOW S-190 NEAR CLEWISTON, FL

LOCATION.--Lat 26°15'33", long 80°57'16", in SW $^1/_4$ sec.32, T.48 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on east bank of Levee 28 Interceptor canal, 500 ft upstream from the northern boundary of Big Cypress National Preserve and inside the southern boundary of the Big Cypress Seminole Indian Reservation, 3.3 mi south of State Road 833, 4.6 mi west of the intersection of the Hendry, Collier and Broward county lines, 6.6 mi north of U.S. Interstate 75, and 33 mi south of Clewiston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage shaft encoder and acoustic Doppler velocity meter provided by the U.S. Geological Survey. Acoustic velocity meter prior to January 1, 2001. Electronic data logger with cellular phone/radio telemetry provided by South Florida Water Management District. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for daily discharges below 100 cfs and estimated discharges, which are poor. Flow affected by levee and control structure S-190 about 2 mi upstream. Flow is positive to the south.

COOPERATION.--Seminole Tribe of Florida.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1998-2001, 2004).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.85 ft July 9, 2005; minimum, 9.13 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.85 ft July 9; minimum, 10.33 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	12.28	11.81	11.21	11.05	10.87	10.56	11.12	10.65	10.58	13.13	12.37	12.45
2	12.17	11.72	11.21	11.05	10.86	10.54	11.07	10.60	10.70	13.00	12.32	12.50
3	12.20	11.68	11.17	11.04	10.85	10.53	11.03	10.60	10.84	12.83	12.28	12.92
4	12.09	11.77	11.15	11.03	10.82	10.59	11.01	10.68	11.04	12.74	12.31	12.88
5	12.09	11.64	11.14	11.08	10.79	10.60	11.00	10.89	11.42	12.62	12.37	12.78
6	12.03	11.57	11.14	11.10	10.80	10.60	10.99	10.89	11.60	12.55	12.34	12.81
7	12.06	11.55	11.14	11.10	10.79	10.61	10.98	10.91	11.69	12.47	12.34	12.77
8	12.11	11.53	11.12	11.07	10.78	10.61	11.08	10.90	11.76	12.46	12.39	12.67
9	12.02	11.50	11.13	11.05	10.78	10.67	11.08	10.90	11.84	13.46	12.38	12.59
10	12.04	11.50	11.11	11.04	10.75	10.83	11.07	10.88	12.11	13.65	12.32	12.49
11	12.03	11.48	11.10	11.04	10.71	10.88	11.06	10.86	12.30	13.32	12.32	12.38
12	11.99	11.47	11.07	11.03	10.71	11.13	11.04	10.83	12.27	13.17	12.36	12.31
13	11.93	11.44	11.07	11.04	10.73	11.18	11.02	10.80	12.15	13.12	12.28	12.28
14	11.96	11.40	11.03	11.04	10.72	11.11	10.99	10.78	12.03	13.04	12.24	12.18
15	11.95	11.39	10.98	11.03	10.70	11.09	10.94	10.76	11.95	12.92	12.68	12.10
16	11.91	11.36	10.99	11.01	10.68	11.11	10.91	10.77	11.94	12.84	12.74	12.10
17	11.95	11.34	10.99	10.98	10.66	11.17	10.87	10.77	11.95	13.10	12.55	12.12
18	11.91	11.32	10.99	10.96	10.63	11.45	10.87	10.75	11.79	13.04	12.41	12.05
19	11.92	11.32	10.97	10.97	10.62	11.47	10.87	10.72	11.80	12.97	12.37	12.02
20	11.87	11.31	10.96	10.97	10.62	11.42	10.87	10.69	12.05	12.85	12.30	12.08
21	12.08	11.29	10.97	10.97	10.61	11.37	10.84	10.66	12.15	12.74	12.30	12.18
22	12.05	11.28	10.98	10.98	10.58	11.41	10.84	10.65	12.14	12.62	12.18	12.10
23	12.01	11.28	10.97	10.95	10.58	11.34	10.81	10.63	12.34	12.55	12.20	12.10
24	11.98	11.27	10.97	10.92	10.56	11.30	10.76	10.59	12.76	12.48	12.29	12.03
25	11.93	11.25	10.99	10.92	10.57	11.39	10.75	10.55	13.22	12.39	12.29	12.04
26	11.91	11.21	10.96	10.92	10.58	11.25	10.74	10.52	13.03	12.40	12.54	11.98
27	11.91	11.22	10.93	10.91	10.61	11.22	10.72	10.49	13.02	12.35	12.48	11.99
28	11.82	11.20	10.97	10.91	10.58	11.35	10.71	10.45	13.26	12.26	12.78	12.01
29	11.86	11.19	11.00	10.91	---	11.25	10.70	10.42	13.22	12.27	12.75	12.14
30	11.78	11.19	10.99	10.89	---	11.18	10.70	10.41	13.18	12.28	12.68	12.17
31	11.77	---	11.03	10.87	---	11.15	---	10.48	---	12.30	12.52	---
TOTAL	371.61	342.48	342.43	340.83	299.54	342.36	327.44	331.48	362.13	395.92	384.68	369.22
MEAN	11.99	11.42	11.05	10.99	10.70	11.04	10.91	10.69	12.07	12.77	12.41	12.31
MAX	12.28	11.81	11.21	11.10	10.87	11.47	11.12	10.91	13.26	13.65	12.78	12.92
MIN	11.77	11.19	10.93	10.87	10.56	10.53	10.70	10.41	10.58	12.26	12.18	11.98

261533080571600 L-28 INTERCEPTOR CANAL BELOW S-190 NEAR CLEWISTON, 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	373	35	28	1.8	18	30	-20	-10	21	853	244	317
2	248	-1.5	5.9	26	12	26	28	53	22	589	270	402
3	306	-10	21	26	8.9	17	35	19	16	368	214	811
4	204	65	22	10	22	20	20	-5.8	111	251	284	694
5	227	6.4	6.1	20	8.8	35	-6.9	-13	129	207	330	576
6	130	3.0	-24	1.5	19	44	17	42	209	193	282	662
7	134	14	-19	-1.8	14	1.7	-1.8	19	278	181	317	580
8	213	18	-9.8	22	30	26	43	7.6	292	205	342	541
9	e93	23	-19	20	3.5	17	66	1.2	334	1,100	343	475
10	---	-5.3	-21	4.3	45	34	4.3	17	457	1,330	310	358
11	---	-6.0	50	6.0	26	1.7	-15	11	558	1,100	283	298
12	---	-8.2	26	21	38	114	-8.3	11	602	944	341	194
13	e100	20	41	36	6.1	14	36	12	517	868	278	274
14	102	17	29	15	-2.2	42	68	4.1	370	753	255	160
15	84	14	1.1	8.6	-8.4	21	29	11	365	650	707	131
16	30	7.2	25	11	24	-67	21	24	346	603	647	180
17	85	14	22	14	50	89	20	28	354	905	503	122
18	45	10	37	13	56	109	15	30	167	833	400	90
19	2.9	-9.0	36	35	4.1	157	-20	-0.91	222	753	367	85
20	-0.70	-3.0	13	33	0.07	131	-13	4.4	284	623	321	149
21	219	7.1	7.5	41	-16	-8.1	18	35	357	566	307	138
22	141	9.9	20	14	9.0	78	8.6	43	338	460	262	141
23	118	-6.9	-7.7	32	4.9	-9.2	41	38	526	419	276	111
24	82	-13	6.6	24	-22	116	55	67	914	346	385	125
25	82	27	26	46	29	-19	23	65	1,260	276	341	160
26	25	16	30	43	28	24	-42	25	964	323	375	81
27	82	-6.6	11	29	-26	-45	27	9.6	933	292	376	167
28	7.8	20	21	26	55	113	21	8.5	1,180	216	623	127
29	61	11	16	0.69	---	28	-29	10	1,090	262	599	236
30	16	-4.9	14	-4.6	---	15	1.0	-23	971	170	516	129
31	60	---	0.02	41	---	-23	---	7.7	---	183	410	---
TOTAL	---	263.2	414.72	614.49	436.77	1,132.1	440.9	550.39	14,187	16,822	11,508	8,514
MEAN	---	8.77	13.4	19.8	15.6	36.5	14.7	17.8	473	543	371	284
MAX	---	65	50	46	56	157	68	67	1,260	1,330	707	811
MIN	---	-13	-24	-4.6	-26	-67	-42	-23	16	170	214	81
AC-FT	---	522	823	1,220	866	2,250	875	1,090	28,140	33,370	22,830	16,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	282	65.3	32.0	1.33	14.7	13.1	-5.14	-6.48	93.5	138	251	282
MAX	536	302	164	80.6	108	105	14.7	17.8	473	543	741	562
(WY)	(2001)	(1999)	(1998)	(1998)	(1998)	(1998)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	42.5	0.69	-49.7	-53.5	-39.2	-35.3	-29.3	-30.2	-18.9	-16.5	10.3	37.6
(WY)	(1998)	(2001)	(1997)	(2000)	(1997)	(1997)	(1997)	(2000)	(2000)	(1998)	(2000)	(2000)

SUMMARY STATISTICS	WATER YEARS 1997 - 2005	
ANNUAL MEAN	90.5	
HIGHEST ANNUAL MEAN	159	2004
LOWEST ANNUAL MEAN	38.6	2000
HIGHEST DAILY MEAN	2,050	Oct 5, 2000
LOWEST DAILY MEAN	-135	Jan 18, 2000
ANNUAL SEVEN-DAY MINIMUM	-91	Jan 17, 2000
ANNUAL RUNOFF (AC-FT)	65,570	
10 PERCENT EXCEEDS	288	
50 PERCENT EXCEEDS	15	
90 PERCENT EXCEEDS	-41	

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.

261543080495000 L28 CANAL ABOVE S-140 NEAR CLEWISTON, FL

LOCATION.--Lat 26°15'43", long 80°49'50", in SW $^1/_4$ sec. 34, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, Florida, on east bank, 500 ft upstream from the northern boundary of the Miccosukee Tribe of Florida and inside the southern boundary of the Big Cypress Seminole Indian Reservation, 3.1 mi east of the intersection of the Broward, Collier and Hendry county lines, 6.0 mi north of Pump Station S-140, 6.9 mi north of U.S. Interstate 75, and 33 mi south of Clewiston on the Levee 28 canal.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Electronic data logger with water-stage shaft encoder and acoustic velocity meter with cellular phone/radio telemetry provided by South Florida Management District. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for discharge below 100 cfs and estimated discharges, which are poor. Flow affected by G-89 and U.S. Sugar Outfall (USSO) culvert structures upstream and pump structure S-140 downstream. Positive flow is to the south. Discharge computed from continuous velocity record obtained from acoustic velocity meter and relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--Seminole Tribe of Florida.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1998-2000, 2002, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.06 ft Oct. 16, 1999; minimum, 7.84 ft Mar. 7, 2002.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.46 ft Aug. 15; minimum, 8.61 ft Oct. 9, Nov. 8, 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	9.80	9.36	10.27	10.85	10.57	10.68	9.65	10.65	10.46	10.20	10.11	10.01
2	9.76	9.90	10.42	10.83	10.57	10.65	9.81	10.63	10.53	9.97	9.96	9.96
3	9.40	9.86	10.49	10.57	10.57	10.66	9.48	10.65	10.47	9.99	10.02	10.02
4	9.26	9.83	10.55	10.70	10.55	10.70	9.65	10.89	10.07	10.09	9.80	9.96
5	9.58	9.48	10.56	10.77	10.53	10.65	10.18	9.71	9.64	10.11	9.68	10.02
6	9.59	9.73	10.58	10.80	10.54	10.57	9.77	9.57	10.29	9.99	9.77	10.07
7	9.47	10.19	10.63	10.81	10.53	10.53	9.87	9.68	10.21	10.01	9.69	10.04
8	9.34	9.50	10.62	10.81	10.53	10.52	9.86	10.20	9.61	10.03	9.60	9.99
9	9.23	9.76	10.63	10.80	10.61	10.64	10.25	10.14	9.64	10.41	9.89	10.0
10	9.53	9.50	10.65	10.80	10.66	10.37	10.64	10.42	9.72	10.19	9.85	9.88
11	9.70	9.63	10.67	10.81	10.67	10.16	10.06	10.72	9.95	10.22	10.41	9.81
12	9.65	9.36	10.67	10.81	10.69	9.96	10.18	10.80	10.23	10.37	10.22	9.54
13	9.61	9.52	10.67	10.82	10.70	9.59	10.54	10.09	9.87	10.13	10.12	9.65
14	9.66	9.95	10.67	10.72	10.71	10.11	10.18	10.17	9.67	10.08	10.15	9.75
15	9.65	9.54	10.64	10.81	10.71	10.63	9.58	10.53	9.90	10.06	10.60	10.06
16	9.53	9.69	10.65	10.77	10.71	10.79	9.68	10.70	9.75	10.12	10.48	9.88
17	9.38	9.39	10.67	10.73	10.71	9.86	10.13	10.0	9.83	10.04	10.00	9.81
18	9.40	9.51	10.69	10.71	10.69	9.57	10.36	10.01	9.85	10.04	9.99	9.70
19	9.53	9.36	10.68	10.72	10.70	9.50	10.52	10.38	9.71	10.10	9.87	9.72
20	9.56	9.53	10.66	10.71	10.71	9.40	10.60	9.77	9.99	9.98	10.01	10.07
21	9.61	9.91	10.67	10.70	10.71	10.04	10.64	9.75	9.87	10.06	9.99	10.23
22	9.53	9.64	10.69	10.69	10.70	10.02	10.66	10.12	9.94	9.93	9.96	9.96
23	9.49	9.84	10.73	10.65	10.70	9.69	10.66	10.32	10.07	9.82	9.94	9.85
24	9.39	9.48	10.73	10.62	10.72	9.66	10.65	10.46	10.15	9.64	9.76	9.71
25	9.50	9.48	10.74	10.62	10.73	9.52	10.64	10.51	10.30	9.38	9.75	9.49
26	9.67	9.86	10.74	10.62	10.72	10.00	10.64	10.53	10.10	9.94	9.89	9.41
27	9.62	10.14	10.71	10.62	10.73	9.80	10.68	10.59	9.95	10.57	10.07	9.89
28	9.40	10.28	10.75	10.62	10.70	9.54	10.69	10.59	10.16	10.39	9.97	10.12
29	9.23	9.98	10.75	10.63	---	9.90	10.69	10.56	10.34	10.29	10.02	10.38
30	9.74	10.03	10.76	10.61	---	9.69	10.68	10.59	10.23	10.28	9.98	10.25
31	9.52	---	10.82	10.57	---	9.87	---	10.11	---	10.39	9.79	---
TOTAL	295.33	291.23	330.16	332.30	298.37	313.27	307.62	319.84	300.50	312.82	309.34	297.23
MEAN	9.53	9.71	10.65	10.72	10.66	10.11	10.25	10.32	10.02	10.09	9.98	9.91
MAX	9.80	10.28	10.82	10.85	10.73	10.79	10.69	10.89	10.53	10.57	10.60	10.38
MIN	9.23	9.36	10.27	10.57	10.53	9.40	9.48	9.57	9.61	9.38	9.60	9.41

261543080495000 L28 CANAL ABOVE S-140 NEAR CLEWISTON, 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	282	83	19	9.4	32	20	149	41	63	526	368	371
2	242	68	29	-30	48	27	59	38	128	508	309	355
3	221	100	17	22	59	41	100	11	173	471	277	400
4	200	89	9.7	12	62	67	48	119	298	429	267	394
5	191	90	10	40	37	42	95	221	213	413	255	395
6	191	22	53	81	19	42	143	94	294	396	253	400
7	188	1.5	81	64	26	84	71	102	370	376	227	396
8	164	84	16	29	16	76	141	41	348	361	237	396
9	154	27	42	-0.02	59	74	56	123	331	552	281	377
10	150	92	45	-5.4	54	132	20	111	352	556	307	359
11	140	22	14	52	29	147	95	107	411	497	374	298
12	164	89	17	80	12	132	101	71	460	479	350	243
13	136	29	-5.9	71	46	128	91	102	448	468	302	316
14	135	8.4	15	68	48	106	102	59	379	461	334	257
15	128	82	12	56	69	86	105	58	349	425	483	286
16	109	24	4.2	56	56	118	40	61	349	405	500	234
17	100	82	21	46	37	150	32	85	283	382	459	226
18	98	12	9.6	47	15	138	6.4	-9.9	301	391	506	189
19	126	75	7.0	51	6.2	111	47	-6.8	280	346	490	170
20	106	47	11	52	45	132	59	73	283	348	483	222
21	133	33	8.8	36	67	96	29	33	318	315	513	294
22	111	85	63	69	33	145	15	29	280	285	462	249
23	96	49	87	51	65	136	53	25	346	268	427	235
24	91	81	65	32	45	136	10	46	388	251	435	216
25	71	21	11	16	42	143	-10	42	429	219	427	178
26	102	17	20	42	30	117	47	13	454	219	399	166
27	77	37	18	41	47	154	44	27	455	278	431	204
28	88	2.5	20	14	26	e123	16	46	487	270	462	223
29	88	67	8.5	61	---	e47	62	26	611	257	392	281
30	25	17	13	107	---	115	67	68	561	212	440	321
31	79	---	27	48	---	125	---	118	---	210	413	---
TOTAL	4,186	1,536.4	767.9	1,317.98	1,130.2	3,190	1,893.4	1,973.3	10,442	11,574	11,863	8,651
MEAN	135	51.2	24.8	42.5	40.4	103	63.1	63.7	348	373	383	288
MAX	282	100	87	107	69	154	149	221	611	556	513	400
MIN	25	1.5	-5.9	-30	6.2	20	-10	-9.9	63	210	227	166
AC-FT	8,300	3,050	1,520	2,610	2,240	6,330	3,760	3,910	20,710	22,960	23,530	17,160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	217	96.1	46.9	36.0	45.9	44.1	21.4	28.0	156	199	223	214
MAX	495	287	140	67.0	102	125	63.1	98.6	348	407	402	324
(WY)	(2000)	(1999)	(1998)	(1998)	(1998)	(1998)	(2005)	(1997)	(2005)	(2002)	(2004)	(1999)
MIN	59.3	9.04	2.72	-3.51	-7.12	-10.2	0.98	-9.62	3.17	59.4	49.6	115
(WY)	(1998)	(1998)	(2001)	(2000)	(2000)	(1997)	(2000)	(2001)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	58,525.18			
ANNUAL MEAN	160		111	
HIGHEST ANNUAL MEAN			160	2005
LOWEST ANNUAL MEAN			71.3	2000
HIGHEST DAILY MEAN	611	Jun 29	853	Oct 5, 2000
LOWEST DAILY MEAN	-30	Jan 2	-77	Apr 24, 2002
ANNUAL SEVEN-DAY MINIMUM	8.8	Dec 29	-37	May 8, 2001
ANNUAL RUNOFF (AC-FT)	116,100		80,240	
10 PERCENT EXCEEDS	407		322	
50 PERCENT EXCEEDS	95		65	
90 PERCENT EXCEEDS	16		-9.4	

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.

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'48", long 80°52'48", in NW $\frac{1}{4}$ sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft downstream, due east of structure G-155, 3.0 mi northeast of Snake Road, and 35 mi south of Clewiston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to August 1992 (gage heights only), September 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. The satellite data collection platform with water-stage shaft encoder and acoustic velocity meter were used until January 17, 2002, when it was removed. The acoustic Doppler velocity meter was installed September 25, 2001. The acoustic velocity meter and acoustic Doppler velocity meter were run in tandem for the period of September 25, 2001 to January 17, 2002. 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 affected by structure activity at G-155 and by agricultural pumping. Gage height records revised May 1992 through September 1994, based upon new elevation for BM L-4-6 from 22.578 ft to 22.543 ft. Discharge was not revised. Revised records are available in the files of the U.S. Geological Survey. The elevation of BM L-4-6 was revised by South Florida Water Management for a second time, elevation is now 22.380 ft. Gage height records for the 1992 - 1994 water years require an adjustment of + 0.16 ft due to the revised elevation of BM L-4-6. Gage height records for the 1995 - 1996 water years require an adjustment of + 0.19 ft also due to the revised elevation of BM L-4-6.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 3 complete water year of discharge (1997, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.56 ft Nov. 8, 1998; minimum, 7.75 ft May 17, 2002.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.81 ft Oct. 3, July 12,13; minimum, 10.48 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	14.29	12.83	12.22	12.38	12.32	12.69	12.86	10.80	11.52	14.53	14.24	14.30
2	14.28	12.83	12.21	12.31	12.71	13.46	12.82	10.60	11.69	14.54	14.08	14.22
3	14.22	12.80	12.24	12.21	13.19	13.54	12.74	10.85	11.83	14.53	14.08	14.26
4	13.85	12.76	12.31	11.96	13.28	13.64	12.65	11.22	12.05	14.51	14.10	14.29
5	13.72	12.77	12.24	12.22	13.25	13.67	12.65	11.29	12.14	14.49	14.11	14.23
6	13.51	12.73	12.27	12.16	13.28	13.68	12.58	11.24	12.24	14.50	14.18	14.13
7	13.42	12.67	12.28	12.13	13.25	13.62	12.46	---	12.58	14.54	14.37	13.73
8	13.34	12.63	12.26	11.90	13.24	13.66	12.54	11.19	13.24	14.40	14.34	13.68
9	13.59	12.58	12.23	11.92	13.22	13.72	12.51	11.31	13.56	14.48	14.07	13.65
10	14.10	12.53	12.26	11.83	13.29	13.64	12.44	11.72	13.64	14.72	14.18	13.55
11	14.07	12.48	12.27	11.64	13.27	13.27	12.36	11.70	13.71	14.76	14.48	13.54
12	14.08	12.46	12.19	11.79	13.26	13.20	12.27	11.69	13.83	14.79	14.46	13.98
13	14.14	12.43	12.01	11.80	13.33	13.14	12.22	11.69	13.87	14.80	14.49	14.09
14	14.06	12.44	12.14	11.86	13.22	13.06	12.18	11.59	13.89	14.78	---	14.16
15	14.03	12.53	12.16	11.91	12.84	12.82	12.14	11.69	13.89	---	---	14.17
16	14.02	---	12.23	11.91	12.76	12.66	12.07	11.63	13.92	14.67	---	14.13
17	14.04	12.03	12.28	11.90	12.67	12.60	---	11.71	13.92	14.54	---	---
18	13.91	11.75	12.19	12.54	12.74	12.94	11.99	11.63	13.91	14.45	---	14.41
19	13.44	---	11.83	13.65	12.67	13.06	11.97	11.57	13.90	14.41	14.18	14.38
20	13.26	---	---	13.52	12.62	13.11	11.95	11.51	13.87	14.31	14.30	14.35
21	13.27	---	---	12.90	12.57	13.07	11.93	11.50	13.72	14.18	14.36	14.40
22	13.21	---	11.78	12.60	12.51	13.05	11.91	11.46	13.77	14.13	14.22	14.43
23	13.12	12.19	11.99	12.42	12.47	13.04	11.88	11.43	13.80	14.19	14.16	14.45
24	13.05	12.25	11.98	12.47	12.31	13.11	11.86	11.39	13.88	14.41	14.16	14.57
25	13.01	12.31	11.98	12.39	12.38	13.09	11.83	11.35	13.97	14.45	14.02	14.62
26	13.42	12.35	11.97	12.39	12.37	13.05	11.89	11.33	14.02	14.45	13.55	14.54
27	13.45	12.34	11.78	12.43	12.35	13.03	12.08	11.24	14.07	14.45	13.55	14.48
28	13.15	12.36	11.67	12.39	12.44	12.99	12.06	11.33	14.21	14.28	14.19	14.38
29	13.00	12.35	12.01	12.41	---	12.97	11.74	11.36	14.46	14.16	14.23	14.07
30	12.91	12.26	12.56	12.39	---	12.92	11.25	11.40	14.49	14.24	14.30	14.26
31	12.86	---	12.47	12.25	---	12.89	---	11.44	---	14.31	14.33	---
TOTAL	421.82	---	---	380.58	359.81	408.39	---	---	403.59	---	---	---
MEAN	13.61	---	---	12.28	12.85	13.17	---	---	13.45	---	---	---
MAX	14.29	---	---	13.65	13.33	13.72	---	---	14.49	---	---	---
MIN	12.86	---	---	11.64	12.31	12.60	---	---	11.52	---	---	---

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, 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	363	45	24	e-16	11	e-30	85	3.6	15	647	119	83
2	346	46	29	e-18	e-11	9.7	62	9.1	26	643	60	55
3	309	46	e-6.3	e-19	5.5	25	41	16	29	624	41	82
4	156	59	e-8.5	e-32	7.6	40	46	20	37	621	54	100
5	144	46	e-3.9	e-6.3	3.5	27	40	22	34	605	79	114
6	72	37	e-2.1	e-2.3	e-2.7	40	44	22	36	644	142	133
7	63	39	e-0.87	e-1.9	e-6.0	26	38	e14	91	652	258	119
8	60	40	1.7	e-6.5	e-10	39	32	28	200	476	296	151
9	27	37	e-3.3	e-10	11	57	32	29	288	528	315	146
10	47	18	e-13	e-15	9.2	83	33	34	289	740	270	90
11	71	30	e-0.22	e-5.0	e-2.2	63	36	25	331	770	249	45
12	77	41	e-1.4	e-5.4	e-3.6	44	36	18	398	766	213	27
13	39	35	e-5.4	e-0.14	7.5	37	35	8.2	398	754	147	37
14	38	25	e-13	24	32	49	33	e-10	398	722	e68	32
15	50	28	e-11	34	11	31	24	e-10	395	e690	e123	69
16	44	e-4.6	e-10	37	6.8	8.5	30	e-0.48	394	609	e104	63
17	47	6.6	e-9.2	33	e-7.2	36	e28	e-7.4	381	526	e82	e93
18	77	-3.3	1.5	e-27	1.5	57	23	e-16	366	490	e59	129
19	70	e11	17	8.6	e-4.5	69	23	e-14	348	477	70	126
20	43	e25	e-12	20	7.9	87	29	13	286	405	30	109
21	47	e26	e-10	27	20	105	32	20	233	360	49	136
22	59	e27	e-5.6	4.9	e-3.3	118	28	20	286	360	68	125
23	54	35	33	1.7	0.81	74	26	16	277	335	73	142
24	57	37	29	9.6	-23	86	38	23	324	320	56	144
25	43	39	31	5.7	e-0.91	85	39	29	389	313	76	143
26	23	34	43	e-3.6	e-3.2	63	e-1.6	22	393	329	63	140
27	42	33	e-8.3	e-7.2	e-8.3	65	e-7.3	-19	403	306	39	118
28	51	29	e-48	e-5.7	e-4.0	58	e-7.1	-23	513	146	116	155
29	49	24	e-33	9.5	---	33	17	-14	647	68	129	133
30	46	25	e-16	0.19	---	37	10	-11	643	101	134	113
31	34	---	e-10	6.0	---	75	---	-11	---	93	130	---
TOTAL	2,648	915.7	-21.89	40.15	45.40	1,597.2	924.0	256.02	8,848	15,120	3,712	3,152
MEAN	85.4	30.5	-0.71	1.30	1.62	51.5	30.8	8.26	295	488	120	105
MAX	363	59	43	37	32	118	85	34	647	770	315	155
MIN	23	-4.6	-48	-32	-23	-30	-7.3	-23	15	68	30	27
AC-FT	5,250	1,820	-43	80	90	3,170	1,830	508	17,550	29,990	7,360	6,250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	207	58.7	33.2	21.3	48.3	52.0	17.3	20.9	96.0	196	207	257
MAX	594	181	189	78.8	272	351	36.6	94.2	295	605	486	491
(WY)	(2000)	(1995)	(1998)	(1998)	(1998)	(1998)	(2003)	(1997)	(2005)	(1999)	(1998)	(1994)
MIN	30.9	-2.04	-20.6	-7.67	-7.05	-11.2	-9.36	-7.25	3.43	46.3	43.6	65.4
(WY)	(1993)	(1998)	(1997)	(1997)	(1999)	(1999)	(1999)	(2004)	(1999)	(1993)	(2001)	(2000)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	23,182.10		37,236.58			
ANNUAL MEAN	63.3		102		94.4	
HIGHEST ANNUAL MEAN					114	1997
LOWEST ANNUAL MEAN					67.8	2004
HIGHEST DAILY MEAN	510	Sep 9	770	Jul 11	1,040	Jun 25, 1996
LOWEST DAILY MEAN	-65	Jan 27	-48	Dec 28	-65	Jan 27, 2004
ANNUAL SEVEN-DAY MINIMUM	-22	May 26	-23	Dec 28	-41	Dec 23, 2003
ANNUAL RUNOFF (AC-FT)	45,980		73,860		68,420	
10 PERCENT EXCEEDS	200		353		321	
50 PERCENT EXCEEDS	32		37		35	
90 PERCENT EXCEEDS	-12		-7.2		-12	

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.

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'52", long 80°52'48", in NW ¼ sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft below structure G-88, 3.0 mi northeast of Snake Road and 35 mi south of Clewiston.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to July 1992 (gage height only), August 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to October 18, 2001, satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Acoustic Doppler velocity meter installed January 10, 2001. The acoustic velocity meter and acoustic Doppler velocity meter were run in tandem for the period of January 10, 2001 to October 18, 2001. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by operation of G-88, pump station S-8, and by agricultural pumping. Flow reversal occurs at times, during agricultural activity. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Gage height records revised -0.04 ft May 1992 through September 1994, based upon revised elevation for BM L-4-6 from 22.578 ft to 22.543 ft. Discharge was not revised. Revised records are available in the files of the U.S. Geological Survey. The elevation of BM L-4-6 was revised by South Florida Water Management for a second time, elevation is now 22.380 ft. Gage height records for the 1992 - 1994 water years are now in error +0.21 ft in the files of the U.S. Geological Survey due to the revised elevation of BM L-4-6. Gage height records for the 1995-1996 water years are now in error +0.25 ft in the files of the U.S. Geological Survey due to the revised elevation of BM L-4-6.

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1994, 1996-97, 2001-2002).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.72 ft July 12, 2002; minimum, 8.11 ft May 17, 2002.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.69 ft July 12; minimum, 10.39 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	14.24	12.77	12.16	12.34	12.29	12.66	e12.78	10.72	11.44	14.40	14.14	14.18
2	14.23	12.77	12.16	12.27	12.66	13.42	e12.75	e10.52	11.62	14.41	13.99	14.11
3	14.17	12.75	12.19	12.17	13.15	13.50	e12.68	e10.77	11.76	14.41	13.99	14.15
4	13.80	12.71	12.26	11.92	13.24	13.61	e12.56	11.16	e11.97	14.39	14.00	14.18
5	13.65	12.69	---	12.18	13.21	13.64	e12.57	11.71	e12.06	14.36	14.01	14.11
6	13.45	12.66	---	12.12	13.24	13.65	12.53	11.78	e12.17	14.36	e14.08	14.01
7	13.36	12.60	---	12.09	13.21	13.59	12.42	e11.79	e12.51	14.40	14.27	13.61
8	13.28	12.56	---	11.85	13.20	13.63	12.49	e11.78	e13.14	14.29	14.24	13.57
9	13.53	12.51	e12.17	11.87	13.18	13.69	12.47	11.78	13.47	14.37	13.97	13.54
10	14.03	12.46	12.20	11.78	e13.25	13.61	12.40	11.76	13.55	14.58	14.06	13.44
11	13.99	12.42	12.21	11.60	13.23	13.25	12.32	11.73	e13.61	14.63	14.34	13.43
12	14.01	12.40	12.13	11.74	13.22	13.18	12.22	11.74	13.73	14.65	14.32	13.86
13	14.07	12.37	11.95	11.75	13.28	13.12	12.18	e11.68	e13.77	e14.67	14.35	13.97
14	13.99	12.38	12.07	11.82	13.18	13.03	12.14	11.53	13.79	e14.65	14.35	14.05
15	13.96	12.47	12.10	11.87	12.80	e12.78	12.09	11.63	13.79	e14.62	14.41	14.06
16	13.95	12.47	12.18	11.88	e12.69	e12.60	12.02	11.57	13.81	14.55	14.28	14.01
17	13.97	11.97	12.22	11.87	e12.61	12.57	e11.95	e11.65	13.81	14.44	14.15	e14.19
18	13.84	11.68	12.13	12.50	e12.70	12.92	11.94	e11.57	e13.81	14.34	14.09	14.29
19	13.37	11.44	11.77	13.63	e12.62	13.04	11.92	11.51	e13.80	e14.30	14.06	14.27
20	13.20	11.74	11.47	13.50	e12.58	13.09	11.89	11.44	e13.77	e14.21	14.18	14.25
21	13.21	11.94	11.65	e12.85	e12.53	13.04	11.87	e11.44	13.62	e14.07	14.24	14.31
22	13.14	12.06	11.73	e12.54	12.48	13.02	11.85	e11.40	13.68	14.02	14.10	14.34
23	13.05	12.13	11.94	12.38	12.44	13.01	11.82	11.37	e13.72	e14.07	e14.04	14.36
24	12.97	12.19	11.93	12.43	12.29	13.07	11.80	11.32	13.79	14.29	14.05	14.47
25	12.93	12.26	11.93	12.35	12.36	13.05	11.77	11.28	13.87	14.34	13.91	14.52
26	13.34	12.30	11.94	12.35	12.35	13.01	11.83	e11.26	13.91	14.35	13.44	14.45
27	13.37	12.29	11.73	12.39	12.33	12.98	12.03	e11.17	13.96	14.35	13.44	14.39
28	13.08	12.31	11.62	12.35	12.42	12.95	12.00	e11.25	14.09	14.18	14.07	14.29
29	12.92	12.30	11.97	12.36	---	12.93	11.67	11.29	14.32	14.07	14.12	13.97
30	12.84	12.21	e12.51	12.35	---	12.87	11.16	e11.32	14.36	14.14	e14.18	14.15
31	12.78	---	12.43	12.21	---	12.85	---	11.36	---	14.21	e14.22	---
TOTAL	419.72	369.81	---	379.31	358.74	407.36	364.12	354.28	400.70	445.12	437.09	422.53
MEAN	13.54	12.33	---	12.24	12.81	13.14	12.14	11.43	13.36	14.36	14.10	14.08
MAX	14.24	12.77	---	13.63	13.28	13.69	12.78	11.79	14.36	14.67	14.41	14.52
MIN	12.78	11.44	---	11.60	12.29	12.57	11.16	10.52	11.44	14.02	13.44	13.43

e Estimated

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, 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	183	33	-0.12	-1.8	1.1	-25	e29	-13	-7.5	179	34	32
2	179	24	2.7	-0.95	-12	0.98	e8.5	e-16	1.3	184	12	24
3	159	29	-18	-5.5	-13	10	e6.6	e6.7	6.2	183	1.8	34
4	82	28	-16	-17	-14	22	e22	0.49	e14	187	1.4	37
5	73	13	e-11	-10	-5.3	-2.0	e21	-3.7	e8.3	183	12	38
6	54	9.0	e-9.1	-12	-3.1	6.4	23	-4.7	e4.6	175	e25	44
7	50	10	e-8.4	2.7	-13	5.5	18	e13	e16	180	39	38
8	49	13	---	-3.2	-17	1.4	-1.2	e17	e47	161	86	50
9	37	14	---	-9.7	-10	20	-6.0	18	86	171	122	47
10	40	19	-24	-18	e-28	37	8.0	15	90	201	82	43
11	42	18	-22	-16	-24	31	22	12	e106	213	44	-0.71
12	43	20	-16	-14	-16	37	12	13	123	219	51	-8.8
13	9.0	12	-19	-11	1.2	27	-4.9	e6.4	e123	e226	25	33
14	9.4	15	-24	-0.55	11	23	-12	-16	121	e219	30	42
15	11	25	-17	-0.53	6.0	e29	-0.24	-18	120	e212	85	53
16	13	e14	-10	-5.5	e5.0	e21	13	-12	123	205	66	56
17	33	9.9	-9.2	-5.6	e-3.8	27	e11	e-8.4	119	193	44	e56
18	44	-1.4	-7.4	-35	e-1.4	28	15	e-11	e115	179	21	74
19	33	4.6	-13	-12	e7.9	38	14	-15	e107	e167	18	102
20	16	9.4	-22	-9.7	e7.9	43	17	-2.5	e82	e148	2.2	115
21	30	14	-12	e-11	e3.5	35	15	e-14	74	e136	16	125
22	29	14	-12	e-12	6.1	37	4.8	e-5.3	94	124	31	132
23	28	15	4.9	-20	13	20	-7.7	-8.7	e89	e81	e32	141
24	26	13	2.4	-8.7	-6.6	36	-11	-6.0	101	53	17	136
25	21	2.6	11	-6.9	-5.0	23	13	-7.7	115	57	15	136
26	24	2.8	-19	-16	0.76	27	-14	e4.0	115	82	37	139
27	34	0.70	-22	-17	-8.3	21	-21	e-30	121	97	12	121
28	22	-4.5	-38	0.72	-16	9.9	-9.9	e-41	138	45	22	135
29	24	11	-16	4.6	---	12	6.2	-29	150	26	35	125
30	27	5.4	e-5.2	-19	---	20	-1.6	e-28	165	14	e27	95
31	23	---	-3.6	-13	---	32	---	-25	---	6.4	e37	---
TOTAL	1,447.4	392.50	---	-303.61	-133.04	653.18	189.56	-209.41	2,566.9	4,506.4	1,082.4	2,193.49
MEAN	46.7	13.1	---	-9.79	-4.75	21.1	6.32	-6.76	85.6	145	34.9	73.1
MAX	183	33	---	4.6	13	43	29	18	165	226	122	141
MIN	9.0	-4.5	---	-35	-28	-25	-21	-41	-7.5	6.4	1.4	-8.8
AC-FT	2,870	779	---	-602	-264	1,300	376	-415	5,090	8,940	2,150	4,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	229	63.3	71.1	47.9	25.9	15.7	-7.19	-14.3	61.6	106	66.4	208
MAX	756	242	438	290	69.7	86.0	37.4	79.5	186	218	133	676
(WY)	(1996)	(1995)	(1995)	(1995)	(1998)	(1998)	(1997)	(1997)	(1999)	(1994)	(1994)	(1995)
MIN	17.2	-6.15	-0.25	-15.3	-6.28	-30.1	-65.2	-74.7	-23.4	11.4	8.39	40.7
(WY)	(2003)	(1998)	(2001)	(2004)	(1996)	(1999)	(1999)	(1993)	(2000)	(1993)	(2000)	(2000)

SUMMARY STATISTICS	WATER YEARS 1992 - 2005	
ANNUAL MEAN	70.8	
HIGHEST ANNUAL MEAN	126	1996
LOWEST ANNUAL MEAN	28.3	2001
HIGHEST DAILY MEAN	995	Oct 21, 1995
LOWEST DAILY MEAN	-214	May 20, 2000
ANNUAL SEVEN-DAY MINIMUM	-127	May 21, 1998
ANNUAL RUNOFF (AC-FT)	51,310	
10 PERCENT EXCEEDS	177	
50 PERCENT EXCEEDS	26	
90 PERCENT EXCEEDS	-10	

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.

254543080491101 TAMIAMI CANAL AT S-12-A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°49'11", T.54 S., R.35 E., Dade County, Hydrologic Unit 03090202, on northwest bank of Levee 29 Tamiami Canal, 50 feet south of structure S-12-A. Approximately 21.8 mi west of State Road 997 (old State Road 27) along U.S. Highway 41 near 40 mile bend. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1970 to September 1971, October 1975 to September 1976, October 1977 to September 1980 (discharge only), October 1980 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929. Satellite data collection platform installed April 1, 1990.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is one of several located downstream from the control structures, in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-A. Discharge is the total discharge through the S-12-A structure, from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Stage and discharge records prior to 1980, were either fragmentary or unavailable from the files of the U.S. Geological Survey. Upstream gage height records were formerly published under 254543080491100. Upstream gage height records have been relocated under 254543080491101 as Published Upstream record in the files of the U.S. Geological Survey.

COOPERATION.--Gate opening records provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 32 complete water years of discharge (1964-65, 1971,1976, 1978-2005).

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.83 ft Dec. 21, 1994; minimum, 5.17 ft June 18, 19, 1989.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.88 ft Sept. 2; minimum, 7.84 ft May 26.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.80 ft Dec. 21, 1994; minimum, 5.21 ft June 19, 20, 1989.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.89 ft Sept. 2; minimum, 7.45 ft May 30.

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	10.45	10.56	10.06	9.98	9.80	9.27	9.16	8.44	8.73	9.82	10.45	10.64
2	10.49	10.66	10.03	9.98	9.78	9.26	9.14	8.44	8.84	9.84	10.43	10.71
3	10.51	10.68	10.00	9.99	9.76	9.25	9.13	8.47	8.90	9.88	10.41	10.79
4	10.52	10.67	9.98	9.99	9.75	9.32	9.11	8.55	8.91	9.89	10.40	10.76
5	10.53	10.66	9.95	9.98	9.74	9.30	9.08	8.73	8.96	9.91	10.38	10.72
6	10.54	10.65	9.94	9.97	9.73	9.28	9.05	8.79	9.03	9.92	10.36	10.67
7	10.57	10.63	9.94	9.97	9.71	9.27	8.99	8.82	9.04	9.93	10.35	10.62
8	10.58	10.60	9.94	9.96	9.69	9.24	9.13	8.83	9.04	9.98	10.35	10.58
9	10.57	10.58	9.93	9.96	9.67	9.28	9.15	8.83	9.04	10.17	10.33	10.55
10	10.56	10.57	9.91	9.96	9.65	9.36	9.14	8.83	9.28	10.24	10.32	10.53
11	10.56	10.53	9.89	9.95	9.64	9.33	9.12	8.79	9.41	10.31	10.32	10.52
12	10.58	10.51	9.88	9.95	9.62	9.32	9.09	8.75	9.43	10.35	10.35	10.53
13	10.57	10.48	9.86	9.93	9.59	9.31	9.04	8.68	9.44	10.41	10.41	10.53
14	10.56	10.46	9.86	9.92	9.57	9.30	9.00	8.62	9.43	10.49	10.39	10.49
15	10.59	10.45	9.89	9.96	9.55	9.30	8.98	8.55	9.38	---	10.37	10.46
16	10.60	10.42	9.91	9.98	9.53	9.27	8.96	8.50	9.32	10.50	10.38	10.44
17	10.60	10.39	9.93	10.00	9.51	9.28	8.92	8.46	9.29	10.52	10.37	10.47
18	10.59	10.36	9.94	10.00	9.49	9.41	8.89	8.40	9.27	10.53	10.38	10.45
19	10.60	10.33	9.95	9.98	9.48	9.41	8.84	8.34	9.27	10.54	10.38	10.43
20	10.61	10.30	9.95	9.95	9.47	9.40	8.79	8.25	9.45	10.54	10.36	10.50
21	10.63	10.28	9.96	9.92	9.43	9.39	8.73	8.16	9.68	10.55	10.36	10.55
22	10.64	10.25	9.96	9.91	9.41	9.37	8.67	8.12	9.66	10.52	10.37	10.52
23	10.64	10.22	9.96	9.90	9.39	9.35	8.56	8.12	9.58	10.48	10.38	10.51
24	10.64	10.19	9.96	9.92	9.36	9.35	8.49	8.17	9.56	10.46	10.37	10.49
25	10.64	10.18	9.98	9.90	9.33	9.33	8.40	8.08	9.56	10.44	10.39	10.46
26	10.63	10.18	9.95	9.88	9.32	9.32	8.31	7.96	9.56	10.44	10.50	10.44
27	10.61	10.15	9.97	9.86	9.30	9.29	8.40	8.06	9.59	10.45	10.63	10.44
28	10.59	10.13	9.98	9.85	9.26	9.26	8.51	8.08	9.70	10.42	10.72	10.42
29	10.56	10.11	9.98	9.85	---	9.26	8.51	8.05	9.77	10.41	10.68	10.42
30	10.54	10.08	9.98	9.82	---	9.24	8.48	8.04	9.81	10.43	10.65	10.50
31	10.51	---	9.98	9.81	---	9.21	---	8.28	---	10.46	10.63	---
TOTAL	327.81	312.26	308.40	307.98	267.53	288.53	265.77	261.19	279.93	---	323.17	316.14
MEAN	10.57	10.41	9.95	9.93	9.55	9.31	8.86	8.43	9.33	---	10.42	10.54
MAX	10.64	10.68	10.06	10.00	9.80	9.41	9.16	8.83	9.81	---	10.72	10.79
MIN	10.45	10.08	9.86	9.81	9.26	9.21	8.31	7.96	8.73	---	10.32	10.42

254543080491101 TAMIAMI CANAL AT S-12-A, NEAR MIAMI, 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	10.44	9.60	8.20	8.07	7.96	7.84	7.89	7.72	8.16	9.86	10.45	10.65
2	10.47	8.63	8.19	8.06	7.95	7.83	7.92	7.72	8.10	9.87	10.43	10.72
3	10.49	8.50	8.18	8.06	7.94	7.83	7.92	7.71	8.08	9.88	10.42	10.79
4	10.51	8.44	8.17	8.06	7.94	7.90	7.90	7.74	8.03	9.89	10.40	10.75
5	10.52	8.41	8.17	8.06	7.93	7.89	7.88	7.87	8.04	9.91	10.38	10.71
6	10.52	8.38	8.16	8.06	7.93	7.87	7.87	7.85	8.07	9.92	10.36	10.66
7	10.56	8.35	8.16	8.06	7.92	7.86	7.86	7.82	8.03	9.93	10.35	10.61
8	10.56	8.33	8.16	8.05	7.92	7.87	8.07	7.80	8.01	9.98	10.35	10.57
9	10.55	8.32	8.15	8.05	7.91	7.90	8.01	7.79	8.01	10.18	10.34	10.54
10	10.54	8.30	8.15	8.05	7.90	7.95	7.97	7.78	8.20	10.25	10.32	10.51
11	10.54	8.29	8.14	8.04	7.89	7.91	7.93	7.76	8.20	10.31	10.32	10.50
12	10.56	8.29	8.13	8.04	7.88	7.89	7.91	7.75	8.16	10.36	10.35	10.51
13	10.56	8.28	8.13	8.04	7.88	7.89	7.90	7.73	8.14	10.42	10.42	10.52
14	10.55	8.28	8.13	8.05	7.88	7.88	7.90	7.71	8.12	10.49	10.39	10.48
15	10.57	8.27	8.12	8.06	7.88	7.88	7.89	7.70	8.09	---	10.38	10.45
16	10.58	8.26	8.11	8.05	7.88	7.88	7.87	7.68	8.07	10.50	10.37	10.43
17	10.58	8.25	8.11	8.05	7.87	7.93	7.86	7.66	8.06	10.52	10.36	10.46
18	10.57	8.25	8.11	8.04	7.86	8.03	7.84	7.64	8.04	10.54	10.37	10.44
19	10.58	8.24	8.11	8.03	7.85	7.98	7.83	7.62	8.05	10.54	10.39	10.42
20	10.60	8.24	8.10	8.03	7.85	7.94	7.82	7.60	8.25	10.55	10.37	10.49
21	10.61	8.23	8.09	8.02	7.85	7.93	7.81	7.60	8.31	10.55	10.37	10.54
22	10.63	8.23	8.09	8.02	7.85	7.92	7.80	7.60	9.10	10.52	10.38	10.52
23	10.63	8.22	8.09	8.01	7.85	7.91	7.80	7.59	9.58	10.47	10.39	10.50
24	10.63	8.22	8.10	8.00	7.84	7.91	7.79	7.57	9.57	10.46	10.39	10.48
25	10.62	8.23	8.09	8.00	7.85	7.90	7.76	7.55	9.59	10.43	10.40	10.45
26	10.61	8.24	8.09	7.99	7.85	7.89	7.75	7.53	9.58	10.44	10.51	10.43
27	10.60	8.23	8.08	7.98	7.85	7.89	7.75	7.52	9.62	10.45	10.64	10.43
28	10.57	8.22	8.08	7.98	7.85	7.89	7.75	7.50	9.71	10.43	10.73	10.42
29	10.55	8.21	8.08	8.00	---	7.89	7.74	7.49	9.79	10.41	10.69	10.42
30	10.52	8.20	8.07	7.99	---	7.89	7.73	7.48	9.85	10.43	10.66	10.49
31	10.49	---	8.07	7.97	---	7.89	---	7.73	---	10.46	10.64	---
TOTAL	327.31	250.14	251.81	248.97	220.81	244.86	235.72	237.81	256.61	---	323.32	315.89
MEAN	10.56	8.34	8.12	8.03	7.89	7.90	7.86	7.67	8.55	---	10.43	10.53
MAX	10.63	9.60	8.20	8.07	7.96	8.03	8.07	7.87	9.85	---	10.73	10.79
MIN	10.44	8.20	8.07	7.97	7.84	7.83	7.73	7.48	8.01	---	10.32	10.42

254543080491101 TAMIAMI CANAL AT S-12-A, 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	761	398	0.00	0.00	0.00	0.00	0.00	0.00	0.00	424	757	773
2	781	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	431	747	822
3	799	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	434	738	873
4	814	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	445	726	853
5	825	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	451	715	829
6	835	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	460	702	803
7	862	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	467	696	778
8	871	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	493	698	759
9	874	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	592	691	746
10	873	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	635	684	735
11	876	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	670	681	735
12	897	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	702	699	747
13	904	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	739	737	753
14	901	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	789	720	738
15	921	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e795	715	724
16	934	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	798	713	713
17	941	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	809	705	728
18	944	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	817	704	716
19	947	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	821	706	700
20	959	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	826	691	738
21	969	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	825	681	766
22	979	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183	808	678	747
23	980	0.00	0.00	0.00	0.00	0.00	0.00	0.00	305	778	679	735
24	984	0.00	0.00	0.00	0.00	0.00	0.00	0.00	303	768	672	719
25	978	0.00	0.00	0.00	0.00	0.00	0.00	0.00	309	749	675	698
26	968	0.00	0.00	0.00	0.00	0.00	0.00	0.00	306	750	729	684
27	959	0.00	0.00	0.00	0.00	0.00	0.00	0.00	323	759	802	679
28	942	0.00	0.00	0.00	0.00	0.00	0.00	0.00	357	743	852	668
29	925	0.00	0.00	0.00	---	0.00	0.00	0.00	391	732	819	667
30	905	0.00	0.00	0.00	---	0.00	0.00	0.00	420	743	789	706
31	885	---	0.00	0.00	---	0.00	---	0.00	---	762	772	---
TOTAL	27,993	398.00	0.00	0.00	0.00	0.00	0.00	0.00	2,897.00	21,015	22,373	22,332
MEAN	903	13.3	0.00	0.00	0.00	0.00	0.00	0.00	96.6	678	722	744
MAX	984	398	0.00	0.00	0.00	0.00	0.00	0.00	420	826	852	873
MIN	761	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	424	672	667
AC-FT	55,520	789	0.00	0.00	0.00	0.00	0.00	0.00	5,750	41,680	44,380	44,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	325	217	107	68.8	60.3	57.7	34.7	17.0	36.3	134	175	223
MAX	1,152	1,261	1,335	1,346	849	580	464	267	394	714	722	744
(WY)	(1996)	(1995)	(1995)	(1995)	(1995)	(1993)	(1993)	(1993)	(1993)	(1982)	(2005)	(2005)
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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	43,270.00		97,008.00			
ANNUAL MEAN	118		266		136	
HIGHEST ANNUAL MEAN					672	1995
LOWEST ANNUAL MEAN					0.00	1964
HIGHEST DAILY MEAN	984	Oct 24	984	Oct 24	1,530	Jan 5, 1995
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Nov 2	0.00	Oct 1, 1963
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Nov 2	0.00	Oct 1, 1963
ANNUAL RUNOFF (AC-FT)	85,830		192,400		98,390	
10 PERCENT EXCEEDS	613		818		463	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		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.

02289019 TAMIAMI CANAL AT S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°46'05", T.54 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-B, and 35 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1963 to September 1965, October 1966 to September 1975 (gage heights only), October 1975 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.-- Records fair except those for estimated daily discharges, which are poor. Since March 9, 1990, satellite data collection platform. Station is one of several located below the gated control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B. Discharge computed from relation between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge records for the missing periods above were either fragmentary or unavailable from files of the U. S. Geological Survey. Upstream gage height records were formerly published under 02289018. Upstream gage height records have been relocated under 02289019 as "Published upstream" record in the files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1964-65, 1976-2004).

COOPERATION.--Gate opening records provided by U.S. Army Corps of Engineers.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.92 ft Dec. 21, 1994; minimum, 5.14 ft June 18, 19, 1989.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.98 ft Sept. 2; minimum, 7.84 ft May 26.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.91 ft Dec. 21, 1994; minimum, 5.02 ft June 19, 1989.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.96 ft Sept. 2; minimum, 7.20 ft May 29, 30.

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	10.52	10.55	10.00	9.98	9.80	9.26	9.15	8.45	8.64	9.87	10.53	10.73
2	10.55	10.59	9.97	9.98	9.78	9.25	9.13	8.45	8.71	9.88	10.51	10.80
3	10.57	10.60	9.95	9.99	9.76	9.24	9.12	8.47	8.73	9.89	10.49	10.86
4	10.58	10.59	9.93	9.98	9.75	9.31	9.10	8.56	8.74	9.90	10.48	10.85
5	10.58	10.58	9.91	9.97	9.75	9.30	9.07	8.74	8.76	9.92	10.46	10.80
6	10.59	10.57	9.90	9.96	9.73	9.28	9.03	8.80	8.78	9.93	10.44	10.76
7	10.62	10.55	9.92	9.96	9.71	9.26	8.97	8.83	8.78	9.95	10.43	10.72
8	10.62	---	9.92	9.96	9.69	9.23	9.12	8.84	8.78	10.0	10.44	---
9	10.62	---	9.91	9.96	9.67	9.27	9.15	8.84	8.78	10.18	10.42	---
10	10.61	10.47	9.89	9.95	9.64	9.35	9.13	8.83	8.80	10.26	10.41	---
11	10.61	10.45	9.88	9.95	9.63	9.33	9.11	8.80	8.84	10.34	10.40	---
12	10.63	10.43	9.87	9.94	9.61	9.32	9.07	8.74	8.85	10.39	10.44	---
13	10.64	10.41	9.85	9.92	9.58	9.31	9.03	8.66	9.20	10.46	10.51	---
14	10.62	10.39	9.85	9.92	9.55	9.30	9.00	8.60	9.41	10.52	10.48	10.58
15	10.65	10.37	9.89	9.97	9.54	9.29	8.97	8.54	9.35	---	10.48	10.55
16	10.66	10.34	9.91	9.99	9.52	9.26	8.95	8.50	9.30	10.53	10.47	10.52
17	10.65	10.31	9.93	10.02	9.50	9.28	8.91	8.45	9.27	10.55	10.45	10.54
18	10.65	10.29	9.95	10.02	9.48	9.41	8.88	8.39	9.25	10.56	---	10.52
19	10.65	10.26	9.95	9.98	9.48	9.41	8.83	8.33	9.25	10.57	---	10.50
20	10.66	10.23	9.95	9.95	9.45	9.40	8.78	8.24	9.45	10.58	---	10.57
21	10.69	10.21	9.95	9.92	9.42	9.38	8.72	8.16	9.67	10.58	---	10.62
22	10.71	10.19	9.95	9.91	9.39	9.36	8.66	8.12	9.65	10.57	---	10.59
23	10.71	10.16	9.96	9.90	9.37	9.35	8.57	8.12	9.58	10.56	---	10.59
24	10.71	10.13	9.96	9.93	9.35	9.34	8.49	8.17	9.56	10.53	---	10.56
25	10.70	10.13	9.98	9.90	9.32	9.32	8.40	8.09	9.57	10.52	---	10.53
26	10.69	10.12	9.96	9.87	9.32	9.31	8.31	7.96	9.57	10.51	---	10.52
27	10.66	10.09	9.98	9.86	9.29	9.29	8.41	8.06	9.61	10.52	---	10.50
28	10.64	10.07	9.98	9.84	9.26	9.26	8.51	8.08	9.70	10.50	---	10.49
29	10.61	10.05	9.97	9.84	---	9.26	8.52	8.05	9.79	10.49	---	10.49
30	10.58	10.03	9.97	9.82	---	9.23	8.48	8.05	9.86	10.49	10.73	10.56
31	10.54	---	9.98	9.81	---	9.19	---	8.28	---	10.53	10.72	---
TOTAL	329.52	---	307.97	307.95	267.34	288.35	265.57	261.20	276.23	---	---	---
MEAN	10.63	---	9.93	9.93	9.55	9.30	8.85	8.43	9.21	---	---	---
MAX	10.71	---	10.00	10.02	9.80	9.41	9.15	8.84	9.86	---	---	---
MIN	10.52	---	9.85	9.81	9.26	9.19	8.31	7.96	8.64	---	---	---

02289019 TAMIAMI CANAL AT S-12-B, NEAR MIAMI, 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	10.50	10.54	9.99	7.99	7.91	7.80	7.75	7.42	8.01	9.85	10.50	10.72
2	10.53	10.58	9.97	7.99	7.91	7.79	7.77	7.42	8.03	9.86	10.48	10.79
3	10.55	10.59	9.94	7.98	7.91	7.79	7.79	7.42	8.00	9.87	10.45	10.85
4	10.57	10.58	9.92	7.98	7.91	7.89	7.76	7.52	7.94	9.88	10.44	10.83
5	10.58	10.57	9.90	7.98	7.90	7.86	7.75	7.81	7.95	9.90	10.42	10.78
6	10.58	10.56	9.42	7.97	7.90	7.83	7.73	7.77	7.99	9.92	10.41	10.74
7	10.62	10.54	8.72	7.96	7.90	7.82	7.72	7.73	7.93	9.93	10.40	10.70
8	10.62	10.52	8.64	7.95	7.89	7.81	7.95	7.70	7.91	9.98	10.40	10.66
9	10.61	10.49	8.58	7.95	7.89	7.86	7.92	7.67	7.90	10.17	10.40	10.63
10	10.60	10.47	8.55	7.95	7.88	7.92	7.86	7.65	8.15	10.25	10.38	10.60
11	10.60	10.44	8.54	7.95	7.87	7.88	7.83	7.62	8.09	10.32	10.36	10.58
12	10.62	10.42	8.52	7.94	7.86	7.85	7.80	7.60	8.02	10.37	10.40	10.60
13	10.62	10.40	8.52	7.94	7.86	7.83	7.78	7.58	7.96	10.43	10.46	10.61
14	10.61	10.38	8.48	7.96	7.86	7.83	7.76	7.56	7.92	10.50	10.44	10.58
15	10.64	10.36	8.33	7.98	7.86	7.82	7.74	7.55	7.89	---	10.44	10.54
16	10.65	10.33	8.26	7.96	7.85	7.81	7.72	7.53	7.87	10.52	10.43	10.50
17	10.64	10.31	8.22	7.95	7.85	7.87	7.70	7.51	7.85	10.54	10.42	10.52
18	10.64	10.29	8.19	7.94	7.84	8.00	7.69	7.48	7.85	10.55	---	10.51
19	10.64	10.26	8.16	7.94	7.83	7.92	7.67	7.46	7.87	10.55	---	10.50
20	10.65	10.23	8.14	7.93	7.83	7.88	7.65	7.43	8.12	10.55	---	10.56
21	10.68	10.20	8.13	7.93	7.83	7.86	7.63	7.40	8.16	10.54	---	10.60
22	10.69	10.18	8.10	7.93	7.82	7.85	7.61	7.40	8.45	10.54	---	10.57
23	10.70	10.15	8.09	7.93	7.82	7.85	7.58	7.39	---	10.52	---	10.57
24	10.70	10.12	8.07	7.91	7.82	7.85	7.55	7.36	---	10.50	---	10.55
25	10.69	10.12	8.06	7.92	7.81	7.83	7.52	7.32	---	10.47	10.47	10.52
26	10.68	10.11	8.03	7.91	7.82	7.82	7.49	7.29	9.56	10.47	10.53	10.50
27	10.66	10.09	8.02	7.91	7.82	7.80	7.49	7.26	9.60	10.49	10.67	10.49
28	10.63	10.06	8.01	7.92	7.82	7.79	7.49	7.24	9.69	10.47	10.75	10.48
29	10.60	10.04	8.00	7.94	---	7.78	7.46	7.22	9.77	10.46	10.73	10.47
30	10.57	10.02	8.00	7.92	---	7.77	7.44	7.33	9.83	10.46	10.70	10.55
31	10.54	---	8.00	7.92	---	7.76	---	7.76	---	10.49	10.70	---
TOTAL	329.21	309.95	265.50	246.33	220.07	243.02	230.60	232.40	---	---	---	318.10
MEAN	10.62	10.33	8.56	7.95	7.86	7.84	7.69	7.50	---	---	---	10.60
MAX	10.70	10.59	9.99	7.99	7.91	8.00	7.95	7.81	---	---	---	10.85
MIN	10.50	10.02	8.00	7.91	7.81	7.76	7.44	7.22	---	---	---	10.47

02289019 TAMIAMI CANAL AT S-12-B, 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	613	648	370	0.00	0.00	0.00	0.00	0.00	0.00	376	626	646
2	624	668	362	0.00	0.00	0.00	0.00	0.00	0.00	375	618	687
3	636	672	355	0.00	0.00	0.00	0.00	0.00	0.00	373	608	722
4	644	667	347	0.00	0.00	0.00	0.00	0.00	0.00	375	603	715
5	654	659	340	0.00	0.00	0.00	0.00	0.00	0.00	376	594	691
6	661	659	160	0.00	0.00	0.00	0.00	0.00	0.00	378	590	671
7	682	652	0.00	0.00	0.00	0.00	0.00	0.00	0.00	378	590	647
8	686	637	0.00	0.00	0.00	0.00	0.00	0.00	0.00	389	593	632
9	690	624	0.00	0.00	0.00	0.00	0.00	0.00	0.00	453	596	617
10	690	611	0.00	0.00	0.00	0.00	0.00	0.00	0.00	484	585	604
11	692	597	0.00	0.00	0.00	0.00	0.00	0.00	0.00	512	582	598
12	708	586	0.00	0.00	0.00	0.00	0.00	0.00	0.00	527	603	611
13	715	579	0.00	0.00	0.00	0.00	0.00	0.00	0.00	554	641	620
14	713	571	0.00	0.00	0.00	0.00	0.00	0.00	0.00	580	633	605
15	734	560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e583	633	587
16	746	547	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	631	571
17	744	531	0.00	0.00	0.00	0.00	0.00	0.00	0.00	601	624	579
18	747	517	0.00	0.00	0.00	0.00	0.00	0.00	0.00	611	---	568
19	746	499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	614	---	564
20	752	485	0.00	0.00	0.00	0.00	0.00	0.00	0.00	617	---	590
21	763	471	0.00	0.00	0.00	0.00	0.00	0.00	0.00	616	---	610
22	772	457	0.00	0.00	0.00	0.00	0.00	0.00	---	614	---	593
23	770	445	0.00	0.00	0.00	0.00	0.00	0.00	---	608	---	591
24	769	430	0.00	0.00	0.00	0.00	0.00	0.00	---	600	---	577
25	758	427	0.00	0.00	0.00	0.00	0.00	0.00	298	592	578	560
26	747	422	0.00	0.00	0.00	0.00	0.00	0.00	298	590	601	548
27	729	410	0.00	0.00	0.00	0.00	0.00	0.00	310	604	665	538
28	712	401	0.00	0.00	0.00	0.00	0.00	0.00	335	600	702	533
29	690	391	0.00	0.00	---	0.00	0.00	0.00	357	598	679	527
30	670	381	0.00	0.00	---	0.00	0.00	0.00	375	598	654	563
31	649	---	0.00	0.00	---	0.00	---	0.00	---	619	645	---
TOTAL	21,906	16,204	1,934.00	0.00	0.00	0.00	0.00	0.00	---	16,384	---	18,165
MEAN	707	540	62.4	0.00	0.00	0.00	0.00	0.00	---	529	---	606
MAX	772	672	370	0.00	0.00	0.00	0.00	0.00	---	619	---	722
MIN	613	381	0.00	0.00	0.00	0.00	0.00	0.00	---	373	---	527
AC-FT	43,450	32,140	3,840	0.00	0.00	0.00	0.00	0.00	---	32,500	---	36,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	314	255	143	77.1	62.8	57.9	30.4	16.9	35.3	116	149	222
MAX	930	1,032	1,232	1,160	681	424	338	192	311	529	550	606
(WY)	(1996)	(2000)	(1995)	(1995)	(1995)	(1995)	(1993)	(1993)	(1993)	(2005)	(1982)	(2005)
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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	53,992.00			
ANNUAL MEAN	148		128	
HIGHEST ANNUAL MEAN			561	1995
LOWEST ANNUAL MEAN			0.00	1964
HIGHEST DAILY MEAN	772	Oct 22	1,380	Jan 5, 1995
LOWEST DAILY MEAN	0.00	Jan 1	-22	Mar 28, 1985
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	-3.1	Mar 26, 1985
ANNUAL RUNOFF (AC-FT)	107,100		92,600	
10 PERCENT EXCEEDS	636		388	
50 PERCENT EXCEEDS	0.00		14	
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.

02289040 TAMIAMI CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

LOCATION.--Lat 25°45'22", long 80°43'34", T.54 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, on south bank of Levee 29 Borrow Canal, 100 ft northwest of control structure 12-C, and 33 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to September 2004, (gage-height and discharge record). October 2004 to current year.

REVISED RECORDS.--WDR FL-87-2A, 1986; WDR FL-89-2A, 1983.

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

REMARKS.--Satellite data collection platform at S-12-C downstream (02289041), that records upstream and downstream gages.

COOPERATION.--Gate-opening records for S-12 complex provided by U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.87 ft Dec. 21, 1994; minimum, 5.17 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.99 ft Sept.2; minimum, 7.85 ft May 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	10.59	10.57	9.99	9.99	9.80	9.26	9.15	8.44	8.57	9.91	10.60	10.78
2	10.61	10.59	9.96	9.99	9.78	9.26	9.12	8.44	8.73	9.93	10.57	10.86
3	10.63	10.59	9.94	9.99	9.76	9.24	9.12	8.47	8.83	9.94	10.55	10.90
4	10.64	10.58	9.92	9.99	9.75	9.31	9.09	8.55	8.87	9.95	10.54	10.89
5	10.65	10.57	9.90	9.98	9.75	9.30	9.06	8.73	8.93	9.98	10.52	10.85
6	10.66	10.56	9.89	9.98	9.73	9.28	9.02	8.79	9.01	9.99	10.50	10.81
7	10.68	10.55	9.89	9.97	9.71	9.26	8.96	8.82	9.02	10.01	10.50	10.77
8	10.68	10.52	9.88	9.97	9.69	9.24	9.11	8.83	9.01	10.04	10.51	10.73
9	10.68	10.49	9.89	9.97	9.66	9.28	9.14	8.83	9.00	10.23	10.50	10.70
10	10.68	10.47	9.86	9.97	9.64	9.36	9.12	8.82	9.23	10.31	10.48	10.67
11	10.67	10.43	9.85	9.95	9.64	9.33	9.10	8.79	9.37	10.39	10.48	10.69
12	10.69	10.41	9.84	9.94	9.61	9.32	9.06	8.73	9.40	10.44	10.52	10.69
13	10.70	10.39	9.82	9.92	9.58	9.31	9.02	8.66	9.41	10.51	10.57	10.68
14	10.68	10.37	9.84	9.92	9.55	9.30	8.99	8.59	9.38	10.57	10.55	10.64
15	10.72	10.35	9.90	9.98	9.53	9.30	8.97	8.53	9.32	---	10.56	10.60
16	10.73	10.31	9.93	10.00	9.51	9.26	8.94	8.48	9.27	10.58	10.54	---
17	10.72	10.29	9.94	10.01	9.50	9.28	8.90	8.43	9.24	10.60	10.52	---
18	10.70	10.28	9.95	10.01	9.49	9.42	8.86	8.38	9.24	10.61	10.50	---
19	10.70	10.24	9.97	9.99	9.47	9.41	8.81	8.31	9.24	10.62	10.50	---
20	10.72	10.22	9.97	9.96	9.44	9.40	8.76	8.23	9.44	---	10.49	10.63
21	10.76	10.19	9.97	9.93	9.41	9.38	8.70	8.15	9.68	---	10.49	10.66
22	10.77	10.17	9.97	9.92	9.39	9.37	8.65	8.11	9.65	---	10.51	10.64
23	10.78	10.14	9.97	9.91	9.37	9.35	8.55	8.12	9.59	---	10.51	10.64
24	10.77	10.11	9.98	9.94	9.34	9.34	8.48	8.16	9.58	---	10.52	10.62
25	10.76	10.10	9.99	9.90	9.32	9.32	8.38	8.08	9.58	---	10.56	10.59
26	10.74	10.10	9.98	9.88	9.32	9.31	8.29	7.95	9.59	---	10.62	10.57
27	10.71	10.08	10.00	9.86	9.28	9.29	8.40	8.06	9.63	10.58	10.75	10.55
28	10.68	10.05	10.0	9.85	9.26	9.26	8.50	8.07	9.73	10.56	10.81	10.54
29	10.65	10.02	9.98	9.84	---	9.26	8.49	8.04	9.82	10.55	10.79	10.54
30	10.61	10.01	9.98	9.81	---	9.23	8.47	8.02	9.89	10.55	10.76	10.61
31	10.58	---	9.98	9.81	---	9.19	---	8.21	---	10.59	10.75	---
TOTAL	331.34	309.75	307.93	308.13	267.28	288.42	265.21	260.82	279.25	---	327.57	---
MEAN	10.69	10.32	9.93	9.94	9.55	9.30	8.84	8.41	9.31	---	10.57	---
MAX	10.78	10.59	10.00	10.01	9.80	9.42	9.15	8.83	9.89	---	10.81	---
MIN	10.58	10.01	9.82	9.81	9.26	9.19	8.29	7.95	8.57	---	10.48	---

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°43'34", T.54 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-C, and 33 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1965 to September 1976 (gage heights only), October 1963 to September 1965, October 1976 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Daily mean for upstream gage height published under 02289040. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-C. Discharge is the total discharge through the S-12-C structure, from Conservation Area 3A. The daily discharge computed from relation between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Since March 16, 1990, data collection platform. For discharge records prior to 1976, missing periods were fragmentary or missing from the files of the U.S. Geological Survey.

COOPERATION.--Gate-opening records provided by the U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete water years of discharge (1964-65, 1977-2002).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.86 ft Dec. 21, 1994; minimum, 4.87 ft June 19, 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.00 ft Sept. 2; minimum, 7.21 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	10.54	10.55	9.97	8.01	7.92	7.83	7.78	7.45	8.06	9.89	10.58	10.77
2	10.56	10.57	9.95	8.00	7.92	7.82	7.79	7.45	8.07	9.90	10.55	10.85
3	10.58	10.57	9.89	8.00	7.92	7.82	7.81	7.45	8.01	9.91	10.53	10.90
4	10.59	10.56	9.84	8.00	7.92	7.92	7.79	7.56	7.94	9.93	10.52	10.89
5	10.60	10.55	9.82	7.99	7.92	7.89	7.77	7.84	7.96	9.94	10.50	10.85
6	10.61	10.55	9.69	7.98	7.91	7.86	7.75	7.80	8.00	9.96	10.48	10.79
7	10.63	10.53	9.53	7.98	7.91	7.85	7.74	7.76	7.95	9.98	10.49	10.74
8	10.63	10.50	9.34	7.97	7.90	7.85	7.98	7.72	7.92	10.02	10.49	10.70
9	10.63	10.46	9.18	7.97	7.90	7.89	7.95	7.69	7.91	10.20	10.48	10.67
10	10.63	10.43	9.16	7.96	7.90	7.96	7.89	7.67	8.15	10.29	10.47	10.65
11	10.63	10.40	9.15	7.96	7.89	7.91	7.86	7.64	8.11	10.37	10.47	10.66
12	10.64	10.38	9.14	7.96	7.88	7.88	7.83	7.62	8.03	10.42	10.52	10.67
13	10.65	10.36	9.14	7.95	7.88	7.86	7.81	7.60	7.97	10.49	10.58	10.66
14	10.63	10.35	8.83	7.98	7.88	7.85	7.79	7.58	7.94	10.55	10.55	10.61
15	10.67	10.32	8.39	8.00	7.87	7.85	7.76	7.56	7.91	---	10.54	10.58
16	10.68	10.30	8.30	7.98	7.87	7.84	7.74	7.54	7.88	10.56	10.51	---
17	10.67	10.27	8.26	7.96	7.87	7.89	7.73	7.52	7.86	10.58	10.49	---
18	10.66	10.25	8.22	7.96	7.86	8.03	7.71	7.49	7.87	10.58	10.49	---
19	10.66	10.22	8.20	7.95	7.85	7.95	7.69	7.46	7.88	10.59	10.50	---
20	10.68	10.20	8.17	7.95	7.84	7.91	7.67	7.43	8.12	---	10.48	10.60
21	10.73	10.18	8.16	7.94	7.84	7.89	7.65	7.42	8.17	---	10.49	10.63
22	10.74	10.15	8.15	7.94	7.84	7.87	7.64	7.41	8.94	---	10.47	10.61
23	10.75	10.12	8.12	7.94	7.84	7.88	7.61	7.41	9.56	---	10.46	10.61
24	10.74	10.09	8.09	7.93	7.83	7.88	7.58	7.37	9.55	---	10.48	10.59
25	10.73	10.09	8.08	7.93	7.84	7.86	7.55	7.34	9.56	---	10.52	10.56
26	10.71	10.09	8.06	7.93	7.84	7.84	7.52	7.30	9.56	---	10.59	10.54
27	10.69	10.06	8.04	7.93	7.85	7.83	7.51	7.28	9.60	10.57	10.72	10.52
28	10.66	10.04	8.03	7.94	7.85	7.82	7.51	7.25	9.70	10.55	10.79	10.52
29	10.63	10.02	8.02	7.95	---	7.81	7.48	7.23	9.80	10.55	10.77	10.51
30	10.59	9.99	8.02	7.94	---	7.80	7.46	7.35	9.87	10.56	10.74	10.59
31	10.56	---	8.01	7.93	---	7.78	---	7.79	---	10.58	10.75	---
TOTAL	330.10	309.15	270.95	246.81	220.54	243.92	231.35	232.98	253.85	---	327.00	---
MEAN	10.65	10.30	8.74	7.96	7.88	7.87	7.71	7.52	8.46	---	10.55	---
MAX	10.75	10.57	9.97	8.01	7.92	8.03	7.98	7.84	9.87	---	10.79	---
MIN	10.54	9.99	8.01	7.93	7.83	7.78	7.46	7.23	7.86	---	10.46	---

02289041 TAMIAMI CANAL BELOW S-12-C, 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	1,220	1,250	763	0.00	0.00	0.00	0.00	0.00	0.00	819	1,210	1,220
2	1,240	1,260	749	0.00	0.00	0.00	0.00	0.00	0.00	821	1,190	1,280
3	1,270	1,260	729	0.00	0.00	0.00	0.00	0.00	0.00	828	1,170	1,330
4	1,290	1,250	745	0.00	0.00	0.00	0.00	0.00	0.00	835	1,170	1,320
5	1,300	1,240	723	0.00	0.00	0.00	0.00	0.00	0.00	842	1,160	1,270
6	1,310	1,240	622	0.00	0.00	0.00	0.00	0.00	0.00	849	1,160	1,230
7	1,330	1,220	556	0.00	0.00	0.00	0.00	0.00	0.00	854	1,170	1,190
8	1,340	1,190	459	0.00	0.00	0.00	0.00	0.00	0.00	878	1,180	1,160
9	1,340	1,160	407	0.00	0.00	0.00	0.00	0.00	0.00	975	1,180	1,150
10	1,350	1,140	406	0.00	0.00	0.00	0.00	0.00	0.00	1,030	1,180	1,130
11	1,350	1,120	407	0.00	0.00	0.00	0.00	0.00	0.00	1,080	1,180	1,140
12	1,360	1,100	404	0.00	0.00	0.00	0.00	0.00	0.00	1,110	1,230	1,140
13	1,380	1,090	400	0.00	0.00	0.00	0.00	0.00	0.00	1,160	1,280	1,130
14	1,370	1,070	175	0.00	0.00	0.00	0.00	0.00	0.00	1,200	1,270	1,100
15	1,400	1,050	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1,210	1,260	1,080
16	1,420	1,040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,210	1,250	---
17	1,410	1,010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,220	1,230	---
18	1,410	995	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,230	1,220	---
19	1,400	969	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,230	1,220	---
20	1,420	945	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	1,190	1,110
21	1,450	928	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	1,170	1,140
22	1,460	909	0.00	0.00	0.00	0.00	0.00	0.00	377	---	1,150	1,130
23	1,460	890	0.00	0.00	0.00	0.00	0.00	0.00	658	---	1,130	1,130
24	1,450	870	0.00	0.00	0.00	0.00	0.00	0.00	653	---	1,120	1,120
25	1,430	863	0.00	0.00	0.00	0.00	0.00	0.00	657	---	1,140	1,100
26	1,410	857	0.00	0.00	0.00	0.00	0.00	0.00	659	---	1,170	1,090
27	1,390	839	0.00	0.00	0.00	0.00	0.00	0.00	678	1,210	1,260	1,080
28	1,360	822	0.00	0.00	0.00	0.00	0.00	0.00	724	1,200	1,300	1,090
29	1,320	803	0.00	0.00	---	0.00	0.00	0.00	772	1,190	1,260	1,090
30	1,300	780	0.00	0.00	---	0.00	0.00	0.00	809	1,190	1,230	1,150
31	1,260	---	0.00	0.00	---	0.00	---	0.00	---	1,210	1,220	---
TOTAL	42,200	31,160	7,545.00	0.00	0.00	0.00	0.00	0.00	5,987.00	---	37,250	---
MEAN	1,361	1,039	243	0.00	0.00	0.00	0.00	0.00	200	---	1,202	---
MAX	1,460	1,260	763	0.00	0.00	0.00	0.00	0.00	809	---	1,300	---
MIN	1,220	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	1,120	---
AC-FT	83,700	61,810	14,970	0.00	0.00	0.00	0.00	0.00	11,880	---	73,890	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	545	484	293	199	151	137	80.2	50.7	92.0	257	357	414
MAX	1,385	1,542	1,752	1,677	1,174	789	537	366	431	948	1,202	1,136
(WY)	(1996)	(2000)	(1995)	(1995)	(1995)	(1995)	(1993)	(1993)	(1993)	(1982)	(2005)	(1995)
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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)

SUMMARY STATISTICS	WATER YEARS 1964 - 2005	
ANNUAL MEAN	262	
HIGHEST ANNUAL MEAN	919	1995
LOWEST ANNUAL MEAN	0.00	1964
HIGHEST DAILY MEAN	2,500	Jan 23, 1970
LOWEST DAILY MEAN	-49	Jul 14, 1990
ANNUAL SEVEN-DAY MINIMUM	-9.7	Jul 8, 1990
ANNUAL RUNOFF (AC-FT)	189,600	
10 PERCENT EXCEEDS	714	
50 PERCENT EXCEEDS	101	
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.

254543080405401 TAMIAMI CANAL AT S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, on south bank 100 ft southwest of structure 12-D, near east boundary of Indian Reservation on U.S. Highway 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1975 to September 1977, October 1978 to September 1979, October 1980 to September 1981 (discharge only), October 1981 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. After October 1, 2003, tipping bucket rain gage maintained by the U.S. Army Corps of Engineers. After October 1, 2003, rainfall record is no longer available in the files of the U.S. Geological Survey. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage records are primarily used to determine discharge through control structure 12-D. Discharge is the total discharge through the S-12-D structure from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge and stage record for missing periods were fragmentary or missing from the files of the U.S. Geological Survey. Since October 1, 1989, satellite data collection platform. Rainfall data is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. Upstream gage height records were formerly published under 254543080405400. Upstream gage height records have been relocated under 254543080405401 as "Published upstream" record in the files of the U.S. Geological Survey.

COOPERATION.--Gate-opening records provided by the U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete water years of discharge (1964-65, 1976-77, 1979, 1981-97, 1999-2001, 2003, 2005).

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.99 ft Dec. 21, 1994; minimum, 5.16 ft June 19, 1989.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 11.10 ft Sept. 2; minimum, 7.88 ft May 26.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.94 ft Dec. 21, 1994; minimum, 4.70 ft June 20, 1989.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 11.06 ft Sept. 2; minimum, 7.28 ft Mar. 30, 31.

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	10.78	10.65	10.04	10.02	---	9.26	9.14	8.46	8.53	10.11	10.83	10.96
2	10.79	10.64	10.01	10.02	---	9.25	9.12	8.46	8.71	10.14	10.81	11.02
3	10.80	10.63	9.99	10.02	---	9.24	9.11	8.48	8.82	10.16	10.79	11.06
4	10.80	10.61	9.97	10.02	9.75	9.31	9.09	8.57	8.87	10.19	10.78	11.06
5	10.81	10.59	9.94	10.00	9.75	9.30	9.06	8.76	8.94	10.21	10.77	11.04
6	10.82	10.57	9.92	10.00	9.72	9.28	9.01	8.82	9.02	10.23	10.76	11.00
7	10.83	10.56	9.90	10.00	9.70	9.25	8.95	8.84	9.03	10.25	10.78	10.97
8	10.83	10.54	9.90	10.00	9.68	9.24	9.11	8.85	9.02	10.29	10.78	10.94
9	10.83	10.52	9.90	9.99	9.65	9.28	9.13	8.85	9.00	10.48	10.76	10.91
10	10.83	10.48	9.88	9.99	9.63	9.36	9.12	8.84	9.23	10.57	10.75	10.90
11	10.83	10.45	9.87	9.98	9.63	9.34	9.09	8.80	9.39	10.65	10.75	10.93
12	10.84	10.43	9.85	9.97	9.60	9.33	9.06	8.74	9.43	---	10.79	10.93
13	10.84	10.41	9.83	9.94	9.57	9.31	9.02	8.66	9.44	---	10.82	10.89
14	10.82	10.40	9.84	9.94	9.53	9.30	8.99	8.60	9.38	---	10.81	10.83
15	10.87	10.37	9.91	10.02	9.52	9.30	8.96	8.54	9.30	---	10.82	10.79
16	10.89	10.34	9.95	10.04	9.51	9.26	8.94	8.50	9.24	---	10.80	10.76
17	10.88	10.32	9.96	10.06	9.49	9.28	8.90	8.44	9.23	---	10.77	10.77
18	10.85	10.30	9.97	10.05	9.48	9.43	8.86	8.39	9.24	---	10.76	10.79
19	10.83	10.27	9.98	10.01	9.47	9.42	8.80	8.33	9.24	---	10.76	10.81
20	10.85	10.25	9.98	9.98	9.43	9.40	8.75	8.25	9.47	10.85	10.74	10.86
21	10.91	10.22	9.98	9.96	9.40	9.39	8.70	8.16	9.71	10.85	10.75	10.87
22	10.94	10.20	9.98	9.94	9.38	9.37	8.64	8.13	9.73	10.85	10.76	10.85
23	10.94	10.19	9.99	9.94	9.36	9.35	8.55	8.14	9.72	10.85	10.78	10.84
24	10.92	10.16	9.99	9.97	9.33	9.34	8.48	8.18	9.73	10.84	10.80	10.83
25	10.90	10.16	10.01	9.93	9.31	9.32	8.38	8.10	9.73	10.83	10.83	10.80
26	10.87	10.16	10.01	9.90	9.32	9.32	8.31	7.97	9.76	10.82	10.88	10.78
27	10.83	10.13	10.04	9.88	9.26	9.28	8.41	8.07	9.81	10.82	10.98	10.75
28	10.80	10.11	10.02	9.87	9.25	9.26	8.51	8.09	9.91	10.79	10.99	10.74
29	10.74	10.09	10.01	9.85	---	9.26	8.51	8.06	10.01	10.78	10.99	10.75
30	10.70	10.06	10.01	9.83	---	9.23	8.48	8.03	10.08	10.79	10.97	10.81
31	10.67	---	10.01	9.83	---	9.19	---	8.21	---	10.82	10.96	---
TOTAL	335.84	310.81	308.64	308.95	---	288.45	265.18	261.32	280.72	---	335.32	326.24
MEAN	10.83	10.36	9.96	9.97	---	9.30	8.84	8.43	9.36	---	10.82	10.87
MAX	10.94	10.65	10.04	10.06	---	9.43	9.14	8.85	10.08	---	10.99	11.06
MIN	10.67	10.06	9.83	9.83	---	9.19	8.31	7.97	8.53	---	10.74	10.74

254543080405401 TAMIAMI CANAL AT S-12-D, NEAR MIAMI, 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	10.78	10.65	10.01	9.17	7.69	7.36	8.80	8.38	8.49	10.07	10.79	10.94
2	10.79	10.64	9.98	9.19	7.68	7.33	8.81	8.38	8.66	10.10	10.76	11.00
3	10.81	10.63	9.94	9.03	7.67	7.33	8.81	8.40	8.76	10.12	10.75	11.02
4	10.82	10.62	9.91	8.89	7.66	7.46	8.80	8.46	8.81	10.14	10.73	11.02
5	10.82	10.61	9.88	8.88	7.66	7.46	8.70	8.54	8.87	10.16	10.72	10.99
6	10.82	10.60	9.85	8.68	7.64	7.44	8.61	8.56	8.94	10.19	10.71	10.96
7	10.85	10.58	9.82	8.18	7.63	7.42	8.59	8.57	8.95	10.20	10.73	10.93
8	10.85	10.55	9.82	8.07	7.63	7.42	8.66	8.57	8.96	10.24	10.73	10.90
9	10.85	10.53	9.82	8.02	7.62	7.47	8.65	8.57	8.96	10.42	10.72	10.88
10	10.85	10.49	9.80	7.98	7.62	7.58	8.65	8.58	9.18	10.51	10.70	10.86
11	10.85	10.46	9.79	7.95	7.60	7.56	8.64	8.56	9.34	10.59	10.70	10.89
12	10.86	10.44	9.78	7.93	7.59	7.53	8.63	8.54	9.37	10.63	10.74	10.89
13	10.86	10.42	9.76	7.91	7.58	7.51	8.63	8.54	9.39	10.68	10.77	10.86
14	10.83	10.41	9.65	7.91	7.58	7.49	8.62	8.53	9.34	10.74	10.76	10.79
15	10.88	10.38	9.61	7.93	7.57	7.47	8.61	8.48	9.28	---	10.77	10.76
16	10.90	10.35	9.63	7.91	7.56	7.45	8.60	8.45	9.23	10.76	10.75	10.72
17	10.89	10.34	9.64	7.88	7.56	7.49	8.59	8.41	9.22	10.78	10.73	10.73
18	10.87	10.31	9.64	7.85	7.54	7.67	8.58	8.36	9.23	10.79	10.72	10.75
19	10.85	10.28	9.65	7.83	7.51	7.63	8.55	8.30	9.24	10.79	10.72	10.77
20	10.86	10.25	9.65	7.81	7.48	7.59	8.53	8.23	9.45	10.80	10.71	10.81
21	10.92	10.23	9.39	7.79	7.45	7.56	8.51	8.14	9.67	10.80	10.71	10.82
22	10.94	10.20	9.19	7.78	7.43	7.53	8.48	8.11	9.69	10.80	10.72	10.81
23	10.94	10.17	9.19	7.77	7.41	7.51	8.43	8.12	9.68	10.80	10.74	10.80
24	10.94	10.14	9.19	7.75	7.39	7.49	8.39	8.16	9.69	10.80	10.77	10.79
25	10.92	10.13	9.19	7.75	7.38	7.46	8.32	8.08	9.70	10.79	10.80	10.76
26	10.88	10.13	9.19	7.73	7.37	7.43	8.25	7.95	9.72	10.78	10.83	10.74
27	10.85	10.10	9.20	7.72	7.37	7.40	8.34	8.06	9.77	10.77	10.94	10.71
28	10.81	10.08	9.20	7.72	7.36	7.37	8.41	8.07	9.87	10.75	10.97	10.70
29	10.75	10.06	9.19	7.73	---	7.33	8.41	8.04	9.96	10.74	10.95	10.70
30	10.71	10.03	9.19	7.72	---	7.30	8.40	8.02	10.04	10.74	10.93	10.77
31	10.67	---	9.17	7.71	---	8.14	---	8.19	---	10.77	10.92	---
TOTAL	336.22	310.81	296.92	250.17	211.23	232.18	257.00	258.35	279.46	---	333.99	325.07
MEAN	10.85	10.36	9.58	8.07	7.54	7.49	8.57	8.33	9.32	---	10.77	10.84
MAX	10.94	10.65	10.01	9.19	7.69	8.14	8.81	8.58	10.04	---	10.97	11.02
MIN	10.67	10.03	9.17	7.71	7.36	7.30	8.25	7.95	8.49	---	10.70	10.70

254543080405401 TAMIAMI CANAL AT S-12-D, 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	1,000	1,030	622	279	0.00	0.00	178	42	181	657	1,140	1,070
2	1,010	1,030	608	277	0.00	0.00	169	43	200	668	1,130	1,120
3	1,030	1,030	649	238	0.00	0.00	168	44	223	675	1,120	1,140
4	1,040	1,020	682	161	0.00	0.00	163	51	228	686	1,100	1,140
5	1,040	1,020	696	161	0.00	0.00	180	71	250	693	1,080	1,110
6	1,050	1,010	669	173	0.00	0.00	191	78	270	701	1,070	1,090
7	1,070	1,000	636	80	0.00	0.00	181	80	266	704	1,080	1,060
8	1,080	987	651	0.00	0.00	0.00	148	81	267	722	1,080	1,040
9	1,080	970	650	0.00	0.00	0.00	106	81	269	839	1,060	1,030
10	1,090	948	734	0.00	0.00	0.00	105	79	329	894	1,050	1,010
11	1,090	931	762	0.00	0.00	0.00	102	75	375	941	1,040	1,040
12	1,100	918	730	0.00	0.00	0.00	100	68	387	965	1,060	1,040
13	1,100	909	717	0.00	0.00	0.00	96	83	393	1,000	1,090	1,010
14	1,090	900	985	0.00	0.00	0.00	93	81	375	1,040	1,070	962
15	1,140	884	1,240	0.00	0.00	0.00	91	72	354	e1,040	1,070	937
16	1,150	868	1,270	0.00	0.00	0.00	89	67	337	1,050	1,050	913
17	1,150	854	822	0.00	0.00	0.00	86	109	332	1,070	1,030	916
18	1,140	833	527	0.00	0.00	0.00	82	144	333	1,080	1,010	935
19	1,120	819	529	0.00	0.00	0.00	77	140	332	1,090	1,000	944
20	1,140	801	529	0.00	0.00	0.00	72	135	404	1,100	987	977
21	1,200	784	370	0.00	0.00	0.00	66	128	491	1,110	981	986
22	1,220	765	270	0.00	0.00	0.00	61	118	495	1,110	979	974
23	1,230	737	271	0.00	0.00	0.00	51	130	486	1,110	988	970
24	1,230	717	272	0.00	0.00	0.00	45	133	488	1,120	999	959
25	1,220	709	274	0.00	0.00	0.00	38	119	488	1,110	1,020	946
26	1,190	709	275	0.00	0.00	0.00	35	128	494	1,110	1,040	930
27	1,170	689	613	0.00	0.00	0.00	40	111	515	1,100	1,120	906
28	1,140	671	828	0.00	0.00	0.00	47	115	562	1,100	1,130	902
29	1,100	656	492	0.00	---	0.00	47	107	608	1,090	1,100	903
30	1,070	636	275	0.00	---	0.00	44	120	645	1,100	1,080	951
31	1,050	---	278	0.00	---	126	---	136	---	1,120	1,060	---
TOTAL	34,530	25,835	18,926	1,369.00	0.00	126.00	2,951	2,969	11,377	29,795	32,814	29,911
MEAN	1,114	861	611	44.2	0.00	4.06	98.4	95.8	379	961	1,059	997
MAX	1,230	1,030	1,270	279	0.00	126	191	144	645	1,120	1,140	1,140
MIN	1,000	636	270	0.00	0.00	0.00	35	42	181	657	979	902
AC-FT	68,490	51,240	37,540	2,720	0.00	250	5,850	5,890	22,570	59,100	65,090	59,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	473	435	272	185	176	140	102	61.2	119	256	286	370
MAX	1,843	1,885	2,343	2,076	1,413	1,071	614	411	518	1,406	1,241	1,447
(WY)	(1996)	(1995)	(1995)	(1995)	(1995)	(1995)	(1998)	(1993)	(1993)	(1982)	(1982)	(1995)
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)	(1964)	(1964)	(1964)	(1964)	(1964)	(1964)	(1965)	(1965)	(1965)	(1965)	(1964)	(1964)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	190,603.00			
ANNUAL MEAN	522		274	
HIGHEST ANNUAL MEAN			1,177	1995
LOWEST ANNUAL MEAN			0.00	1976
HIGHEST DAILY MEAN	1,270	Dec 16	2,670	Dec 22, 1994
LOWEST DAILY MEAN	0.00	Jan 8	-16	Mar 28, 1985
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 8	-2.3	Mar 28, 1985
ANNUAL RUNOFF (AC-FT)	378,100		198,700	
10 PERCENT EXCEEDS	1,100		791	
50 PERCENT EXCEEDS	491		80	
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.

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°33'40", in SE $\frac{1}{4}$ sec.6, T.54 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, on south bank of Levee 29, 50 ft west of bridge 53 on U.S. Highway 41, and 22.8 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to current year. October 1962 to September 1963, stage only (twice monthly) published as Tamiami Canal at bridge 45, near Miami (auxiliary). Stage records prior to October 1962, are available in files of the U.S. Geological Survey. Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal Outlets, Miami to Monroe (station 02289000).

REVISED RECORDS.--WDR FL-2000-2A, 1998-99.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to August 27, 1942, non-recording gage at datum 0.80 ft lower; August 27, 1942 to February 21, 1952, non-recording gage at present datum; and February 21, 1952 to August 7, 1969, water-stage recorder at same datum, all at site 4 mi to the west.

REMARKS.--Records poor. Figures of daily discharge consist of seepage through levee 29 from Conservation Area 3B and discharges from S-333 distributed along Levee 29 from Conservation Area 3A as represented by flow through all the outlets of Tamiami Canal from levee 30 to levee 67A (Bridges 45-59). Flow releases from S-334 were observed during portions of the water year. The discharge from S-334 are not included in the table of mean daily discharge for this station.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Average annual mean discharge, 194 ft^3/s, 165,900 acre-ft/yr. Figures represent 65 complete water years of discharge (1941-2005). Monthly discharge only, available 1941-1963 water years.
SPECIAL NOTE: Statistics for the period of record 1941-2005 computed manually. NWIS database not complete.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.76 ft Nov. 1, 1960; minimum, 1.66 ft May 13, 14, 1971.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.05 ft June 18, 20; minimum, 6.63 ft Mar 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	7.44	7.36	7.19	7.05	6.95	6.67	7.07	6.91	7.43	7.58	7.48	7.97
2	7.42	7.36	7.19	7.04	7.09	6.65	7.08	6.91	7.47	7.55	7.48	8.00
3	7.41	7.36	7.18	7.02	7.09	6.64	7.07	6.95	7.50	7.53	7.50	8.02
4	7.40	7.35	7.17	7.01	7.09	6.72	7.07	7.02	7.52	7.50	7.52	8.01
5	7.38	7.34	7.16	7.01	7.09	6.73	7.06	7.07	7.53	7.47	7.53	7.99
6	7.36	7.33	7.22	6.99	7.09	6.72	7.03	7.04	7.56	7.44	7.53	7.97
7	7.41	7.32	7.33	6.96	7.09	6.70	7.03	7.03	7.66	7.42	7.57	7.95
8	7.41	7.31	7.34	6.95	7.09	6.67	7.15	7.01	7.79	7.42	7.60	7.92
9	7.39	7.30	7.34	6.93	7.09	6.69	7.16	6.99	7.84	7.63	7.60	7.90
10	7.37	7.29	7.34	6.92	7.09	6.77	7.16	7.08	7.84	7.70	7.59	7.88
11	7.35	7.29	7.34	6.91	7.08	6.76	7.16	7.30	7.69	7.69	7.59	7.90
12	7.35	7.28	7.34	6.90	7.08	6.75	7.15	7.41	7.63	7.67	7.61	7.93
13	7.36	7.28	7.34	6.89	7.07	6.74	7.15	7.51	7.57	7.66	7.63	7.90
14	7.35	7.27	7.34	6.91	7.07	6.73	7.14	7.51	7.76	7.65	7.62	7.87
15	7.40	7.27	7.30	6.93	7.03	6.72	7.13	7.50	7.96	7.63	7.65	7.85
16	7.38	7.26	7.24	6.93	6.91	6.75	7.11	7.48	7.97	7.63	7.65	7.83
17	7.37	7.26	7.22	6.90	6.84	6.78	7.10	7.47	7.98	7.62	7.65	7.82
18	7.37	7.25	7.22	6.89	6.81	6.87	7.09	7.46	8.00	7.60	7.64	7.81
19	7.38	7.25	7.21	6.88	6.79	6.87	7.06	7.45	8.03	7.59	7.63	7.78
20	7.42	7.25	7.19	6.88	6.78	6.86	7.04	7.44	7.94	7.58	7.63	7.82
21	7.58	7.24	7.19	6.87	6.76	6.85	7.01	7.43	7.84	7.55	7.65	7.90
22	7.51	7.23	7.17	6.86	6.75	6.93	7.01	7.43	7.78	7.54	7.67	7.90
23	7.49	7.23	7.14	6.85	6.72	7.06	6.98	7.37	7.76	7.52	7.68	7.90
24	7.48	7.22	7.13	6.83	6.71	7.07	6.95	7.22	7.72	7.50	7.65	7.88
25	7.47	7.23	7.11	6.83	6.71	7.07	6.92	7.19	7.67	7.48	7.68	7.86
26	7.46	7.23	7.10	6.82	6.69	7.07	6.89	7.16	7.64	7.48	7.91	7.88
27	7.45	7.22	7.08	6.83	6.70	7.07	6.93	7.18	7.61	7.51	8.01	7.89
28	7.42	7.22	7.07	6.86	6.69	7.06	6.94	7.18	7.59	7.50	8.02	7.89
29	7.39	7.21	7.06	6.87	---	7.06	6.94	7.20	7.58	7.50	8.01	7.89
30	7.38	7.20	7.06	6.87	---	7.08	6.92	7.29	7.58	7.48	7.99	7.88
31	7.36	---	7.05	6.87	---	7.08	---	7.35	---	7.48	7.98	---
TOTAL	229.71	218.21	223.36	214.26	193.95	212.19	211.50	224.54	231.44	234.10	237.95	236.99
MEAN	7.41	7.27	7.21	6.91	6.93	6.84	7.05	7.24	7.71	7.55	7.68	7.90
MAX	7.58	7.36	7.34	7.05	7.09	7.08	7.16	7.51	8.03	7.70	8.02	8.02
MIN	7.35	7.20	7.05	6.82	6.69	6.64	6.89	6.91	7.43	7.42	7.48	7.78

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, 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	80	85	56	74	166	9.7	190	110	521	167	201	99
2	70	82	55	71	229	8.5	191	109	563	155	215	111
3	62	83	54	68	235	8.2	189	121	596	144	230	123
4	56	82	52	64	236	23	191	143	615	133	239	127
5	56	83	50	63	237	25	183	163	630	124	233	126
6	57	82	83	60	241	23	171	148	657	115	228	125
7	74	82	197	53	242	21	169	144	796	106	240	124
8	81	82	201	51	245	19	264	139	992	105	250	122
9	82	81	203	47	246	25	279	132	1,080	148	240	119
10	83	81	204	45	248	51	278	178	1,070	134	229	119
11	86	81	204	43	247	50	276	337	803	126	220	133
12	93	82	202	42	245	48	271	505	696	121	223	152
13	103	83	203	40	241	46	268	623	597	116	220	146
14	108	83	201	42	244	44	263	626	858	112	211	145
15	135	85	185	46	221	42	256	617	1,240	109	219	142
16	138	85	155	44	150	48	243	597	1,270	115	209	141
17	143	82	146	41	108	53	235	585	1,290	118	203	137
18	153	79	144	38	89	77	226	575	1,340	121	198	132
19	150	79	137	38	75	82	205	560	1,390	124	193	123
20	165	76	132	41	63	87	190	551	818	128	193	139
21	235	74	129	45	52	91	175	543	308	127	205	164
22	190	72	118	49	43	126	169	544	271	129	216	160
23	174	69	111	53	35	184	156	480	259	130	218	153
24	162	68	104	54	28	188	142	353	233	131	203	142
25	155	67	98	60	24	189	128	333	208	132	217	131
26	142	67	95	64	19	188	114	306	192	143	310	134
27	136	65	87	74	16	188	124	319	181	162	317	134
28	121	63	84	89	13	185	126	316	170	168	266	130
29	106	61	82	100	---	182	123	332	166	176	210	125
30	98	57	79	110	---	192	117	404	166	182	161	118
31	90	---	77	119	---	194	---	444	---	190	123	---
TOTAL	3,584	2,301	3,928	1,828	4,238	2,697.4	5,912	11,337	19,976	4,191	6,840	3,976
MEAN	116	76.7	127	59.0	151	87.0	197	366	666	135	221	133
MAX	235	85	204	119	248	194	279	626	1,390	190	317	164
MIN	56	57	50	38	13	8.2	114	109	166	105	123	99
AC-FT	7,110	4,560	7,790	3,630	8,410	5,350	11,730	22,490	39,620	8,310	13,570	7,890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	201	206	165	133	177	172	169	144	119	164	246	186
MAX	763	624	785	725	976	979	914	784	666	828	1,230	694
(WY)	(1993)	(1986)	(1993)	(2003)	(1993)	(1993)	(1993)	(1993)	(2005)	(1986)	(2001)	(1991)
MIN	48.0	46.9	23.4	1.99	0.90	0.00	-0.77	-2.61	-0.37	-0.55	1.58	18.0
(WY)	(1981)	(1972)	(1974)	(1990)	(1990)	(1974)	(1964)	(1964)	(1965)	(1965)	(1965)	(1989)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	58,838.7		70,808.4			
ANNUAL MEAN	161		194		173	
HIGHEST ANNUAL MEAN					660	1993
LOWEST ANNUAL MEAN					28.3	1974
HIGHEST DAILY MEAN	838	Feb 26	1,390	Jun 19	1,780	Mar 1, 2000
LOWEST DAILY MEAN	8.8	Jun 3	8.2	Mar 3	-7.0	May 11, 1964
ANNUAL SEVEN-DAY MINIMUM	13	May 31	14	Feb 26	-5.9	May 7, 1964
MAXIMUM PEAK FLOW			1,440	Jun 18	1,780	Mar 1, 2000
MAXIMUM PEAK STAGE			8.05	Jun 18	9.76	Nov 1, 1960
INSTANTANEOUS LOW FLOW			7.7	Mar 3	-7.0	May 7, 1964
ANNUAL RUNOFF (AC-FT)	116,700		140,400		125,600	
10 PERCENT EXCEEDS	430		335		477	
50 PERCENT EXCEEDS	102		135		93	
90 PERCENT EXCEEDS	23		50		2.3	

The period of record statistics were computed from complete water year's of record stored in the NWIS database. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript for the statistics for the complete period of record (1941-2001).

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL

LOCATION.--Lat 25°45'43", long 80°19'42", in SW $^1/_4$ sec.3, T.54 S., R.40 E., Miami-Dade County, Hydrologic Unit 03090202, on upstream side of footbridge, 25 ft from south bank, 0.5 mi upstream from Coral Gables Canal, 2.5 mi west of Coral Gables city limits, 3.5 mi downstream from Snapper Creek Canal, and 6.2 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to June 1943, October 1959 to current year.

REVISED RECORDS.--WDR FL-87-2A, 1986; WDR FL-97-2A, 1995; WDR FL-98-2A, 1997.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. January 1940 to June 1943, non-recording gage at same site at datum 0.22 ft lower. Benchmark was readjusted, datum prior to 1963, 0.48 lower.

REMARKS.--Records poor. The flow is slightly affected by tide and is regulated by control structures downstream at the Coral Gables Canal, Comfort Canal (S-25), S-25A, S-25B and upstream by S-336 and drainage from the Snapper Creek. Discharge computed from continuous velocity record obtained from acoustic velocity metering system and stage. Records of gage height prior to October 1960, are available in files of the U.S. Geological Survey.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 33 complete water years of discharge (1941, 42, 1960-83, 1985-88, 1990, 2001, 2005).

EXTREME STAGES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known, 8.01 ft Oct. 12, 1947, present datum, from non-recording gage reading.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.90 ft Oct. 4, 2000; minimum, 1.08 ft May 31, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.38 ft Aug. 26; minimum, 2.19 ft Aug. 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	2.57	2.68	3.15	3.13	3.12	2.82	2.93	2.78	3.11	2.95	2.52	2.64
2	2.52	2.73	3.15	3.13	3.12	2.79	2.94	2.78	2.99	2.89	2.48	2.59
3	2.47	3.11	3.18	3.13	3.11	2.77	2.94	2.87	2.74	2.82	2.50	2.55
4	2.44	3.16	3.19	3.12	3.11	3.00	2.91	2.97	2.88	2.71	2.57	2.58
5	2.52	3.05	3.06	3.11	3.10	2.99	2.84	2.98	2.89	2.69	2.62	2.60
6	2.50	3.03	2.88	3.10	3.09	2.96	2.71	2.99	2.95	2.68	2.67	2.60
7	2.69	3.02	2.82	3.09	3.08	2.93	2.81	3.12	2.89	2.70	2.76	2.57
8	2.75	2.99	2.77	3.08	3.07	2.88	3.05	3.14	2.81	2.64	2.71	2.53
9	2.78	3.05	2.73	3.08	3.05	2.71	3.10	3.14	2.75	3.06	2.63	2.57
10	2.78	3.11	2.72	3.06	3.05	3.05	3.12	3.16	3.07	2.94	2.57	2.66
11	2.76	3.17	2.79	2.99	3.03	3.07	3.17	3.15	3.26	2.86	2.57	2.82
12	2.76	3.15	2.97	2.75	3.01	3.05	3.16	3.12	3.23	2.82	2.51	2.99
13	2.76	3.20	2.95	2.71	3.00	3.04	3.14	3.04	3.06	2.80	2.53	2.82
14	2.74	3.14	2.75	2.92	2.99	3.03	3.07	3.01	3.00	2.83	2.51	2.71
15	3.04	3.16	2.78	3.08	2.98	3.01	2.95	3.03	2.92	---	2.45	2.75
16	3.05	3.14	2.96	3.10	2.96	2.99	2.95	3.00	2.89	2.80	2.40	2.75
17	2.98	3.10	3.02	3.10	2.95	3.02	2.91	2.95	3.19	2.76	2.40	2.73
18	2.94	3.02	3.05	3.09	2.94	3.08	2.91	2.94	3.16	2.73	2.38	2.69
19	2.89	2.99	3.06	3.10	2.93	3.06	2.89	2.93	3.13	2.68	2.33	2.58
20	2.88	2.97	3.07	3.09	2.91	2.88	2.89	2.95	3.61	2.70	2.31	2.74
21	2.95	2.94	3.08	3.08	2.89	2.81	2.87	2.92	3.94	2.68	2.32	2.80
22	3.06	2.92	3.08	3.08	2.88	2.74	2.86	2.93	3.51	2.67	2.35	2.68
23	2.94	3.00	3.09	3.08	2.86	2.73	2.85	2.98	3.28	2.64	2.42	2.61
24	2.86	3.16	3.09	3.06	2.86	2.94	2.84	2.93	3.31	2.61	2.41	2.54
25	2.84	3.11	3.09	3.05	2.87	2.98	2.83	2.92	3.22	2.61	2.62	2.48
26	2.87	2.96	3.08	3.04	2.86	2.99	2.81	2.96	3.07	2.57	4.01	2.47
27	2.85	2.93	3.08	3.04	2.85	2.99	2.80	3.03	2.98	2.56	3.50	2.53
28	2.79	2.90	3.09	3.08	2.84	2.99	2.81	3.02	2.94	2.55	3.04	2.65
29	2.74	2.92	3.09	3.16	---	2.97	2.80	3.04	2.86	2.60	2.70	2.60
30	2.73	3.10	3.13	3.16	---	2.96	2.79	3.15	2.79	2.51	2.58	2.55
31	2.71	---	3.13	3.14	---	2.95	---	3.08	---	2.51	2.60	---
TOTAL	86.16	90.91	93.08	94.93	83.51	91.18	87.65	93.01	92.43	---	80.97	79.38
MEAN	2.78	3.03	3.00	3.06	2.98	2.94	2.92	3.00	3.08	---	2.61	2.65
MAX	3.06	3.20	3.19	3.16	3.12	3.08	3.17	3.16	3.94	---	4.01	2.99
MIN	2.44	2.68	2.72	2.71	2.84	2.71	2.71	2.78	2.74	---	2.31	2.47

02289500 TAMIAMI CANAL NEAR CORAL GABLES, 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	304	e306	211	e221	207	169	172	e88	304	359	317	e276
2	290	295	216	e213	207	172	172	e58	330	356	312	e265
3	279	246	210	e213	205	168	172	121	346	e388	311	e257
4	272	e279	219	208	199	166	170	207	392	e396	314	e250
5	254	e274	267	207	198	170	178	e259	e397	e364	314	e246
6	272	280	285	204	193	173	182	e258	e413	364	e322	e244
7	e288	268	290	203	197	173	166	e222	387	356	e351	e243
8	320	260	279	202	196	187	222	215	355	326	e300	e244
9	320	e252	286	198	195	223	112	226	347	358	e330	e248
10	321	e247	302	196	193	189	99	e239	406	384	e308	255
11	327	e245	251	219	194	184	81	e255	461	e377	e314	257
12	330	e244	189	268	190	189	72	e242	464	e386	e318	267
13	319	e246	209	244	189	185	71	e264	422	e383	e301	286
14	310	e250	254	189	192	183	76	e269	395	373	e321	293
15	345	e257	219	196	192	179	83	e227	382	e384	e286	275
16	390	263	176	199	190	182	67	211	374	369	e254	294
17	392	271	169	199	187	187	68	219	393	361	244	289
18	389	276	171	200	185	267	58	208	395	365	236	324
19	e381	283	175	194	188	260	63	206	e416	355	e231	e295
20	e389	284	178	196	186	276	59	204	492	354	e230	249
21	401	e284	175	200	187	271	62	211	534	348	e245	286
22	338	271	175	198	184	259	e71	202	470	350	e251	296
23	310	235	182	191	181	245	e72	200	e439	e365	e249	294
24	285	214	e183	195	180	197	e84	216	e453	e363	e228	298
25	284	253	e188	191	175	190	67	213	e431	e319	e226	316
26	282	286	e207	189	171	187	55	196	e408	309	373	287
27	294	278	e217	192	171	184	56	189	356	319	e356	300
28	289	281	230	190	167	181	71	207	345	326	337	303
29	278	286	225	214	---	177	67	227	328	329	e317	279
30	e283	224	219	207	---	175	e90	247	336	319	e302	276
31	e291	---	221	207	---	172	---	289	---	315	e288	---
TOTAL	9,827	7,938	6,778	6,343	5,299	6,120	3,038	6,595	11,971	11,020	9,086	8,292
MEAN	317	265	219	205	189	197	101	213	399	355	293	276
MAX	401	306	302	268	207	276	222	289	534	396	373	324
MIN	254	214	169	189	167	166	55	58	304	309	226	243
AC-FT	19,490	15,750	13,440	12,580	10,510	12,140	6,030	13,080	23,740	21,860	18,020	16,450

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

MEAN	199	167	164	142	129	109	82.6	89.5	151	161	170	190
MAX	398	376	346	380	329	304	286	283	399	485	344	432
(WY)	(1961)	(1960)	(1961)	(1961)	(1961)	(1983)	(1960)	(1979)	(2005)	(1991)	(1994)	(1960)
MIN	37.1	12.8	33.4	25.9	4.11	10.4	-5.43	-54.5	7.03	35.3	39.1	33.5
(WY)	(1990)	(1990)	(1990)	(1989)	(1991)	(1990)	(1975)	(1991)	(1974)	(1990)	(1965)	(1989)

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	92,307			
ANNUAL MEAN	253		142	
HIGHEST ANNUAL MEAN			288	1960
LOWEST ANNUAL MEAN			30.8	1990
HIGHEST DAILY MEAN	534	Jun 21	1,120	Oct 16, 1999
LOWEST DAILY MEAN	55	Apr 26	-259	May 22, 1991
ANNUAL SEVEN-DAY MINIMUM	64	Apr 16	-127	May 17, 1991
ANNUAL RUNOFF (AC-FT)	183,100		103,100	
10 PERCENT EXCEEDS	371		273	
50 PERCENT EXCEEDS	249		123	
90 PERCENT EXCEEDS	172		32	

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.

254315080331500 NORTHEAST SHARK RIVER SLOUGH NO. 2 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°43'11", long 80°33'26", in NW ¼ sec.4, T.54 S., Miami-Dade County, Hydrologic Unit 03090202, 2.7 mi south of Coopertown in Northeast Shark River Slough.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year (gage heights only). Published as "Northeast Shark Valley Slough No. 2 near Coopertown" October 1976 to September 1977.

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 5.4 ft above National Geodetic Vertical Datum of 1929. Water levels below land-surface datum are recorded.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.51 ft Oct. 16, 1999; minimum, 3.41 ft estimated, Apr. 23, 1979.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.79 ft Aug. 28; minimum, 6.10 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	7.24	7.15	6.94	6.76	6.50	6.25	6.19	6.13	6.57	7.33	7.15	7.72
2	7.21	7.14	6.94	6.74	6.48	6.23	6.18	6.11	6.61	7.30	7.13	7.75
3	7.20	7.13	6.93	6.73	6.48	6.21	6.18	6.18	6.67	7.27	7.14	7.77
4	7.19	7.12	6.92	6.72	6.47	6.26	6.17	6.32	6.72	7.25	7.17	7.76
5	7.17	7.11	6.92	6.71	6.46	6.25	6.16	6.43	6.74	7.21	7.16	7.74
6	7.15	7.10	6.91	6.70	6.46	6.24	6.15	6.42	6.76	7.18	7.18	7.71
7	7.20	7.09	6.90	6.68	6.45	6.22	6.14	6.41	6.78	7.15	7.24	7.69
8	7.19	7.08	6.90	6.67	6.44	6.21	6.28	6.39	6.79	7.14	7.26	7.66
9	7.17	7.07	6.91	6.66	6.44	6.22	6.31	6.37	6.84	7.36	---	7.63
10	7.14	7.06	6.91	6.65	6.44	6.26	6.31	6.35	7.11	7.44	---	7.61
11	7.13	7.05	6.91	6.64	6.43	6.25	6.31	6.34	7.23	7.44	7.24	7.63
12	7.13	7.04	6.91	6.62	6.42	6.23	6.31	6.32	7.23	7.41	7.23	7.64
13	7.12	7.03	6.91	6.61	6.41	6.22	6.31	6.31	7.20	7.39	7.24	7.61
14	7.11	7.03	6.91	6.60	6.40	6.20	6.31	6.31	7.16	7.38	7.27	7.58
15	7.15	7.03	6.91	6.63	6.39	6.19	6.30	6.32	7.14	---	7.34	7.55
16	7.16	7.02	6.90	6.64	6.38	6.17	6.29	6.34	7.15	7.37	7.32	7.53
17	7.15	7.01	6.90	6.63	6.38	6.19	6.29	6.36	7.17	7.35	7.30	7.52
18	7.14	7.00	6.89	6.62	6.37	6.32	6.28	6.37	7.21	7.33	7.29	7.53
19	7.14	7.00	6.89	6.60	6.36	6.30	6.28	6.38	7.29	7.31	7.28	7.51
20	7.17	6.99	6.88	6.59	6.34	6.29	6.27	6.39	7.42	7.29	7.27	7.58
21	7.27	6.98	6.86	6.58	6.33	6.28	6.26	6.41	7.54	7.27	7.27	7.65
22	7.28	6.98	6.86	6.56	6.32	6.27	6.25	6.43	7.52	7.24	7.32	7.64
23	7.26	6.97	6.85	6.55	6.30	6.26	6.25	6.45	7.51	7.22	7.36	7.63
24	7.25	6.97	6.84	6.54	6.29	6.25	6.23	6.45	7.47	7.20	7.35	7.60
25	7.23	6.98	6.83	6.52	6.28	6.24	6.22	6.45	7.42	7.18	7.39	7.59
26	7.22	6.97	6.83	6.51	6.27	6.24	6.20	6.44	7.39	7.17	7.66	7.58
27	7.21	6.97	6.81	6.50	6.27	6.23	6.19	6.44	7.38	7.18	7.77	7.58
28	7.19	6.97	6.80	6.50	6.26	6.23	6.18	6.44	7.36	7.17	7.78	7.60
29	7.18	6.97	6.79	6.54	---	6.22	6.16	6.46	7.35	7.16	7.77	7.59
30	7.17	6.96	6.78	6.52	---	6.20	6.14	6.50	7.34	7.16	7.75	7.59
31	7.15	---	6.76	6.51	---	6.20	---	6.52	---	7.15	7.74	---
TOTAL	222.67	210.97	213.20	205.03	178.82	193.33	187.10	197.54	214.07	---	---	228.77
MEAN	7.18	7.03	6.88	6.61	6.39	6.24	6.24	6.37	7.14	---	---	7.63
MAX	7.28	7.15	6.94	6.76	6.50	6.32	6.31	6.52	7.54	---	---	7.77
MIN	7.11	6.96	6.76	6.50	6.26	6.17	6.14	6.11	6.57	---	---	7.51

254130080380500 NORTHEAST SHARK RIVER SLOUGH NO. 1 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°41'30", long 80°38'05" in NW $^1/_4$ sec.4, T.54 S., R.31 E., Miami-Dade County, Hydrologic Unit 03090202, 0.7 mi west of southeast corner of Blue Shanty Canal, 0.8 mi south of east-west section of Shanty Canal, and 4.7 mi southwest of Coopertown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, July 1982 to current year (gage heights only).

REVISED RECORDS.--WDR FL-79-2A, 1977; WDR FL-96-2A, 1995.

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

REMARKS.--Land surface is approximately 5.9 ft above National Geodetic Vertical Datum of 1929. Rainfall data available in files of the U.S. Geological Survey. Water levels below land-surface datum are recorded. Prior to October 1977, published as "Northeast Shark Valley Slough No. 1 near Coopertown." (Corrected).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.54 ft Oct. 16, 1999; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.04 ft Sept. 2, 3; minimum, 6.23 ft 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	7.46	7.46	7.30	6.99	6.66	6.38	6.33	6.24	6.43	7.46	7.45	7.91
2	7.43	7.45	7.29	6.98	6.65	6.38	6.32	6.24	6.46	7.43	7.47	7.95
3	7.41	7.45	7.29	6.96	6.63	6.37	6.32	6.24	6.54	7.40	7.46	8.01
4	7.40	7.44	7.27	6.96	6.62	6.39	6.30	6.30	6.56	7.37	7.45	7.96
5	7.39	7.43	7.26	6.94	6.61	6.41	6.29	6.43	6.60	7.35	7.45	7.93
6	7.37	7.42	7.26	6.94	6.61	6.39	6.28	6.44	6.68	7.32	7.45	7.91
7	7.40	7.42	7.25	6.93	6.59	6.38	6.27	6.42	6.74	7.30	7.49	7.88
8	7.41	7.41	7.25	6.92	6.58	6.37	---	6.40	6.86	7.29	7.49	7.85
9	7.39	7.39	7.24	6.91	6.57	6.38	6.42	6.39	6.88	7.51	7.48	7.82
10	7.38	7.39	7.24	6.88	6.56	6.42	6.42	6.37	7.13	7.55	7.48	7.79
11	7.37	7.38	7.23	6.86	6.55	6.42	6.41	6.36	7.26	7.54	7.47	7.80
12	7.38	7.38	7.22	6.85	6.54	6.41	6.40	6.35	7.25	7.52	7.48	7.81
13	7.39	7.37	7.21	6.82	6.53	6.39	6.39	6.34	7.21	7.51	7.52	7.81
14	7.38	7.37	7.20	6.83	6.51	6.38	6.39	6.33	7.18	7.50	7.54	7.79
15	7.43	7.37	7.19	6.84	6.50	6.37	6.38	6.33	7.15	---	7.58	7.77
16	7.45	7.36	7.18	6.85	6.49	6.36	6.37	6.38	7.14	7.50	7.58	7.74
17	7.44	7.34	7.17	6.83	6.49	6.37	6.36	6.38	7.13	7.50	7.57	7.73
18	7.44	7.34	7.17	6.81	6.47	6.49	6.36	6.38	7.18	7.48	7.56	7.72
19	7.43	7.34	7.16	6.80	6.46	6.49	6.34	6.37	7.28	7.47	7.55	7.71
20	7.47	7.33	7.15	6.78	6.45	6.48	6.34	6.37	7.39	7.46	7.56	7.83
21	7.54	7.33	7.13	6.77	6.45	6.46	6.33	6.37	7.56	7.46	7.59	7.91
22	7.54	7.32	7.12	6.75	6.43	6.45	6.33	6.38	7.63	7.44	7.58	7.89
23	7.53	7.32	7.11	6.73	6.42	6.43	6.33	6.38	7.62	7.43	7.63	7.87
24	7.52	7.32	7.10	6.72	6.41	6.42	6.32	6.38	7.54	7.43	7.62	7.84
25	7.50	7.33	7.09	6.70	6.40	6.41	6.31	6.38	7.49	7.42	7.64	7.82
26	7.49	7.34	7.07	6.69	6.39	6.39	6.30	6.38	7.44	7.43	7.85	7.81
27	7.49	7.33	7.05	6.68	6.40	6.38	6.29	6.38	7.43	7.47	7.98	7.80
28	7.47	7.33	7.04	6.67	6.39	6.37	6.28	6.38	7.43	7.45	7.96	7.79
29	7.46	7.32	7.02	6.68	---	6.36	6.25	6.37	7.46	7.44	7.93	7.79
30	7.46	7.30	7.02	6.68	---	6.34	6.25	6.39	7.48	7.47	7.90	7.83
31	7.45	---	7.01	6.67	---	6.34	---	6.41	---	7.47	7.89	---
TOTAL	230.67	221.08	222.29	211.42	182.36	198.38	---	197.26	214.13	---	235.65	235.07
MEAN	7.44	7.37	7.17	6.82	6.51	6.40	---	6.36	7.14	---	7.60	7.84
MAX	7.54	7.46	7.30	6.99	6.66	6.49	---	6.44	7.63	---	7.98	8.01
MIN	7.37	7.30	7.01	6.67	6.39	6.34	---	6.24	6.43	---	7.45	7.71

254100080402400 L-67 EXTENDED CANAL WEST NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°41'00", long 80°40'24", between sec.24, T.55 S., R.36 E., and sec.6, T.55 S., R.37 E., between hiatus of unsurveyed area, Miami-Dade County, Hydrologic Unit 03090202, 5.8 mi south of U.S. Highway 41 on the Levee 67 extension and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year (gage heights only).

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

REMARKS.--During the 1999 water year, due to a change in starting benchmarks, a -0.12 ft datum correction was applied to published records for the 1984 to 1996 water years. Revised daily mean values for 1984 - 1996 are available in the files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.32 ft Oct. 16, 1999; minimum, 3.38 ft Apr. 8, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.74 ft Sept. 2; minimum, 6.29 ft Mar. 30, 31.

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	8.14	8.35	8.09	7.39	6.71	6.39	6.52	6.53	6.65	7.82	8.27	8.61
2	8.14	8.35	8.07	7.38	6.69	6.37	6.62	6.53	6.77	7.83	8.31	8.64
3	8.15	8.34	8.06	7.37	6.68	6.36	6.66	6.55	6.86	7.83	8.29	8.72
4	8.15	8.33	8.05	7.35	6.68	6.45	6.69	6.65	6.89	7.82	8.29	8.70
5	8.16	8.33	8.03	7.33	6.66	6.44	6.70	6.79	6.94	7.82	8.28	8.69
6	8.16	8.32	8.02	7.30	6.65	6.42	6.69	6.79	7.02	7.82	8.27	8.66
7	8.19	8.31	8.01	7.27	6.63	6.40	6.68	6.76	7.09	7.81	8.26	8.65
8	8.20	8.31	7.98	7.23	6.62	6.39	6.77	6.75	7.18	7.85	8.27	8.63
9	8.20	8.29	7.96	7.18	6.61	6.42	6.79	6.75	7.20	8.06	8.27	8.61
10	8.20	8.28	7.94	7.14	6.59	6.49	6.78	6.74	7.41	8.07	8.29	8.59
11	8.21	8.27	7.91	7.10	6.57	6.46	6.76	6.73	7.49	8.07	8.30	8.57
12	8.23	8.27	7.88	7.05	6.55	6.44	6.75	6.71	7.47	8.08	8.33	8.59
13	8.24	8.26	7.85	7.02	6.54	6.41	6.74	6.70	7.44	8.10	8.44	8.61
14	8.24	8.25	7.83	7.00	6.53	6.41	6.73	6.69	7.41	8.15	8.45	8.59
15	---	8.25	7.81	7.02	6.51	6.39	6.72	6.72	7.39	8.16	8.49	8.56
16	---	8.23	7.77	7.00	6.50	6.37	6.71	6.74	7.36	8.16	8.49	8.55
17	---	8.22	7.74	6.97	6.49	6.41	6.70	6.71	7.34	8.18	8.47	8.55
18	---	8.21	7.72	6.94	6.48	6.57	6.69	6.68	7.35	8.18	8.43	8.55
19	---	8.20	7.70	6.91	6.47	6.54	6.68	6.66	7.39	8.18	8.42	8.53
20	---	8.19	7.67	6.88	6.45	6.51	6.67	6.64	7.50	8.19	8.41	8.62
21	8.41	8.17	7.64	6.86	6.44	6.49	6.67	6.64	7.65	8.19	8.42	8.68
22	8.41	8.17	7.62	6.84	6.43	6.47	6.65	6.65	7.68	8.19	8.44	8.66
23	8.39	8.15	7.58	6.82	6.41	6.46	6.64	6.63	7.69	8.20	8.50	8.65
24	8.39	8.15	7.56	6.80	6.40	6.43	6.61	6.60	7.66	8.21	8.49	8.64
25	8.38	8.15	7.53	6.78	6.40	6.42	6.58	6.57	7.66	8.23	8.51	8.63
26	8.38	8.15	7.50	6.76	6.40	6.40	6.54	6.55	7.65	8.25	8.57	8.61
27	8.37	8.13	7.48	6.74	6.41	6.38	6.53	6.52	7.65	8.29	8.62	8.60
28	8.37	8.13	7.45	6.74	6.41	6.36	6.53	6.51	7.64	8.27	8.63	8.59
29	8.36	8.11	7.43	6.76	---	6.33	6.53	6.50	7.74	8.26	8.63	8.61
30	8.35	8.09	7.42	6.74	---	6.31	6.52	6.52	7.81	8.24	8.62	8.64
31	8.35	---	7.40	6.72	---	6.34	---	6.59	---	8.24	8.61	---
TOTAL	---	246.96	240.70	217.39	182.91	199.03	199.85	206.10	220.98	250.75	261.07	258.53
MEAN	---	8.23	7.76	7.01	6.53	6.42	6.66	6.65	7.37	8.09	8.42	8.62
MAX	---	8.35	8.09	7.39	6.71	6.57	6.79	6.79	7.81	8.29	8.63	8.72
MIN	---	8.09	7.40	6.72	6.40	6.31	6.52	6.50	6.65	7.81	8.26	8.53

254100080402200 NORTHEAST SHARK RIVER SLOUGH EAST OF L 67 EXT. NEAR RICHMOND HEIGHTS, FL

LOCATION.--Lat 25°41'00", long 80°40'22", in NW $^1/_4$ sec.6, T.55 S., R.37 E., Miami-Dade County, Hydrologic Unit 03090202, 5.8 mi south of U.S. Highway 41 on the Levee 67 extension and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1984 to current year (gage heights only).

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

REMARKS.--Due to a change in the starting benchmarks, a -0.12 ft datum correction was applied to the published records for the 1984 to 1996 water years. Revised daily mean values for 1984-1996 are available in the files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.85 ft Oct. 15, 1999; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.47 ft Sept. 2; minimum 6.23 ft Apr. 1.

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	7.94	8.06	---	7.24	6.68	6.37	6.26	6.33	6.59	7.72	8.04	8.31
2	7.94	8.06	---	7.23	6.67	6.34	6.29	6.33	6.69	7.72	8.06	8.35
3	7.94	8.05	---	7.22	6.66	6.34	6.33	6.41	6.80	7.71	8.04	8.42
4	7.94	8.04	---	7.20	6.66	6.54	6.37	6.62	6.80	7.69	8.04	8.39
5	7.94	8.04	---	7.18	6.64	6.49	6.43	6.78	6.82	7.69	8.04	8.38
6	7.94	8.03	---	7.15	6.61	6.43	6.46	6.70	6.87	7.68	8.03	8.36
7	---	8.02	---	7.13	6.60	6.39	6.47	6.65	6.95	7.68	8.02	8.34
8	---	8.01	---	7.11	6.58	6.39	6.74	6.62	7.06	7.71	8.04	8.31
9	---	8.00	---	7.08	6.57	6.46	6.70	6.59	7.11	7.92	8.04	8.29
10	---	7.99	---	7.04	6.56	6.61	6.66	6.57	7.33	7.92	8.04	8.27
11	---	7.98	---	7.00	6.54	6.53	6.64	6.57	7.40	7.93	8.04	8.26
12	---	7.98	---	6.97	6.52	6.47	6.62	6.57	7.38	7.93	8.06	8.27
13	---	7.97	---	6.94	6.51	6.43	6.61	6.55	7.35	7.94	8.15	8.30
14	---	7.97	---	6.93	6.50	6.40	6.59	6.54	7.32	7.98	8.17	8.27
15	---	7.95	---	6.95	6.49	6.38	6.57	6.61	7.29	8.00	8.19	8.25
16	---	7.94	---	6.94	6.47	6.36	6.55	6.71	7.27	8.00	8.18	8.23
17	---	7.93	7.54	6.92	6.47	6.44	6.54	6.67	7.25	8.02	8.16	8.23
18	---	---	7.52	6.89	6.45	6.74	6.53	6.63	7.28	8.01	8.15	8.23
19	---	---	7.50	6.87	6.43	6.63	6.52	6.59	7.34	8.01	8.14	8.22
20	---	---	7.47	6.85	6.42	6.56	6.51	6.57	7.45	8.03	8.13	8.32
21	8.12	---	7.46	6.84	6.40	6.52	6.51	6.64	7.60	8.03	8.14	8.39
22	8.12	---	7.43	6.81	6.39	6.49	6.50	6.72	7.65	8.02	8.15	8.37
23	8.11	---	7.41	6.80	6.38	6.46	6.48	6.65	7.65	7.95	8.19	8.35
24	8.10	---	7.39	6.76	6.37	6.44	6.46	6.59	7.60	7.96	8.18	8.33
25	8.09	---	7.36	6.74	6.37	6.41	6.43	6.55	7.57	8.00	8.21	8.31
26	8.09	---	7.34	6.73	6.37	6.38	6.41	6.51	7.56	8.01	8.30	8.29
27	8.08	---	7.32	6.71	6.43	6.36	6.42	6.48	7.56	8.04	8.36	8.28
28	8.07	---	7.30	6.72	6.41	6.34	6.39	6.45	7.58	8.02	8.38	8.27
29	8.07	---	7.28	6.73	---	6.31	6.36	6.46	7.66	8.02	8.35	8.29
30	8.06	---	7.28	6.72	---	6.29	6.33	6.52	7.71	8.02	8.33	8.35
31	8.06	---	7.26	6.70	---	6.27	---	6.60	---	8.01	8.30	---
TOTAL	---	---	---	215.10	182.15	199.57	194.68	203.78	218.49	245.37	252.65	249.23
MEAN	---	---	---	6.94	6.51	6.44	6.49	6.57	7.28	7.92	8.15	8.31
MAX	---	---	---	7.24	6.68	6.74	6.74	6.78	7.71	8.04	8.38	8.42
MIN	---	---	---	6.70	6.37	6.27	6.26	6.33	6.59	7.68	8.02	8.22

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

LOCATION.--Lat 25°38'24", long 80°39'10", in NW $\frac{1}{4}$ sec.4, T.54 S., R. Government Lot 6 E., Miami-Dade County, Hydrologic Unit 03090202, approximately 2.0 mi northeast of the extreme southern end of the Levee 67 extension and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights only).

REVISED RECORDS.--WDR FL-93-2A, 1990-1992; WDR FL-95-2A, 1994; WDR FL-96-2A, 1993, 1986-1989 (extremes only).

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

REMARKS.--Hurricane Andrew destroyed the gage and all reference marks in 1992. The station was rebuilt on February 19, 1993, and precise adjustments to the gage datum prior to 1993 based on Everglades National Park contractor surveys were not possible. The reader should use -0.40 to approximate this adjustment for water years prior to 1993. Land surface is approximately 5.5 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.41 ft Oct. 15, 1999; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.81 ft Aug. 27, 28; minimum, 5.68 ft May 31, June 1.

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	7.33	7.35	7.19	6.83	---	6.16	6.06	5.82	5.69	7.22	7.33	7.70
2	7.30	7.35	7.18	6.82	---	6.14	6.05	5.80	5.77	7.19	7.31	7.72
3	7.29	7.34	7.17	6.80	---	6.13	6.03	5.78	5.91	7.17	7.30	7.79
4	7.27	7.33	7.16	6.79	---	6.17	6.02	5.78	5.93	7.14	7.29	7.76
5	7.26	7.33	7.15	6.78	6.43	6.16	6.00	5.82	5.95	7.11	7.28	7.74
6	7.25	7.32	7.14	6.76	6.42	6.14	5.98	5.85	5.97	7.09	7.29	7.71
7	7.25	7.31	7.14	---	6.41	6.13	5.97	5.86	5.99	7.07	7.31	7.69
8	7.26	7.30	7.13	---	6.39	6.12	6.07	5.88	6.01	7.10	7.33	7.66
9	7.25	7.29	7.13	---	6.38	6.13	6.09	5.88	6.07	7.31	7.32	7.63
10	7.25	7.29	7.11	---	6.37	6.17	6.09	5.88	6.36	7.31	7.32	7.62
11	7.24	7.28	7.10	---	6.35	6.16	6.08	5.88	6.55	7.30	7.31	7.63
12	7.27	7.27	7.09	---	6.34	6.14	6.07	5.86	6.61	7.29	7.32	7.63
13	7.28	7.27	7.07	---	6.33	6.13	6.07	5.85	6.65	7.29	7.34	7.63
14	7.27	7.26	7.06	---	6.31	6.11	6.06	5.83	6.67	7.30	7.36	7.60
15	7.35	7.26	7.05	---	6.30	6.10	6.04	5.83	6.70	---	7.40	7.57
16	7.36	7.25	7.03	---	6.29	6.09	6.03	5.85	6.70	7.29	7.40	7.55
17	7.34	7.24	7.02	---	6.27	6.12	6.02	5.86	6.72	7.28	7.39	7.54
18	7.34	7.24	7.02	---	6.26	6.26	6.01	5.86	6.84	7.27	7.38	7.54
19	7.35	7.23	7.01	---	6.25	6.23	5.99	5.85	6.97	7.26	7.38	7.53
20	7.39	7.23	6.99	---	6.23	6.22	5.98	5.84	7.06	7.26	7.37	7.66
21	7.43	7.22	6.98	---	6.22	6.21	5.98	5.83	7.19	7.26	7.39	7.77
22	7.42	7.22	6.96	---	6.21	6.19	5.99	5.85	7.19	7.24	7.43	7.74
23	7.41	7.21	6.95	---	6.20	6.18	5.97	5.85	7.21	7.23	7.45	7.71
24	7.40	7.21	6.94	---	6.19	6.17	5.95	5.83	7.19	7.23	7.45	7.68
25	7.39	7.26	6.93	---	6.18	6.16	5.93	5.81	7.16	7.25	7.49	7.65
26	7.38	7.26	6.92	---	6.17	6.14	5.91	5.79	7.14	7.25	7.71	7.65
27	7.37	7.24	6.89	---	6.18	6.13	5.90	5.77	7.13	7.27	7.80	7.65
28	7.36	7.23	6.88	---	6.17	6.12	5.88	5.74	7.13	7.28	7.79	7.66
29	7.35	7.21	6.86	---	---	6.10	5.86	5.72	7.17	7.32	7.76	7.63
30	7.35	7.20	6.86	---	---	6.09	5.84	5.70	7.22	7.37	7.73	7.63
31	7.34	---	6.84	---	---	6.07	---	5.69	---	7.34	7.71	---
TOTAL	227.10	218.00	217.95	---	---	190.57	179.92	180.44	198.85	---	230.44	229.67
MEAN	7.33	7.27	7.03	---	---	6.15	6.00	5.82	6.63	---	7.43	7.66
MAX	7.43	7.35	7.19	---	---	6.26	6.09	5.88	7.22	---	7.80	7.79
MIN	7.24	7.20	6.84	---	---	6.07	5.84	5.69	5.69	---	7.28	7.53

253753080393600 NORTHEAST SHARK RIVER SLOUGH NO. 5, SOUTH OF GROSSMAN, FL

LOCATION.--Lat 25°37'55", long 80°39'42", in NW ¼ sec.4, T.54 S., R. Government Lot 6 E., Miami-Dade County, Hydrologic Unit 03090202, approximately 0.3 mi northeast of the extreme southern end of the Levee 67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights only).

REVISED RECORDS.--WDR FL-95-2A, 1994; WDR FL-04-2A, 2000-2003.

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

REMARKS.--Records for water years prior to 1993 were published with a datum of 0.48 ft lower. Levels were run during the 1995 water year. The gage datum was reset based on elevations provided by James Beadman and Associates, Inc. The statement in the remarks section of the 2002 and 2003 Water Resources Data Reports regarding the 1995-2000 water years was in error. The records in the database have been reverted back to the original published records. Land surface is approximately 5.2 ft above National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.45 ft Oct. 15, 1999; minimum, indeterminate many days during 1989, 1990, 1991, 1992, 2001 water years when well went dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.74 ft Sept. 20, 21; minimum, 5.45 ft May 31, June 1.

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	7.28	7.29	7.14	6.76	6.42	6.09	6.00	5.82	5.50	7.14	7.29	7.64
2	7.25	7.29	7.13	6.75	6.40	6.08	5.98	5.81	5.60	7.12	7.27	7.64
3	7.24	7.28	7.12	6.74	6.39	6.06	5.98	5.80	5.77	7.09	7.25	7.67
4	7.22	7.28	7.10	6.73	6.38	6.10	5.96	5.80	5.84	7.07	7.25	7.66
5	7.21	7.27	7.09	6.71	6.37	6.10	5.95	5.85	5.89	7.04	7.24	7.66
6	7.20	7.26	7.09	6.70	6.36	6.08	5.94	5.87	5.94	7.02	7.24	7.65
7	7.20	7.25	7.08	6.69	6.34	6.07	5.92	5.86	5.93	7.00	7.25	7.63
8	7.20	7.24	7.07	6.67	6.33	6.06	6.03	5.83	5.93	7.04	7.27	7.61
9	7.20	7.24	7.06	6.66	6.32	6.07	6.05	5.80	5.95	7.23	7.27	7.58
10	7.20	7.23	7.06	6.64	6.30	6.11	6.04	5.78	6.23	7.24	7.26	7.57
11	7.19	7.22	7.04	6.63	6.29	6.10	6.02	5.75	6.43	7.23	7.27	7.57
12	---	7.22	7.02	6.61	6.27	6.08	6.02	5.72	6.49	7.23	7.27	7.57
13	7.22	7.21	7.01	6.60	6.26	6.06	6.01	5.70	6.54	7.23	7.29	7.57
14	7.21	7.21	7.00	6.59	6.24	6.05	5.99	5.67	6.58	7.25	7.32	7.55
15	7.30	7.21	6.99	6.61	6.23	6.04	5.98	5.69	6.60	7.24	7.35	7.52
16	7.30	7.20	6.97	6.61	6.22	6.03	5.97	5.73	6.61	7.24	7.36	7.50
17	7.29	7.18	6.96	6.59	6.21	6.06	5.95	5.71	6.63	7.23	7.35	7.49
18	7.29	7.18	6.96	6.58	6.20	6.19	5.94	5.69	6.75	7.21	7.33	7.49
19	7.30	7.18	6.94	6.56	6.18	6.17	5.93	5.66	6.88	7.20	7.33	7.48
20	7.34	7.17	6.93	6.55	6.17	6.15	5.92	5.66	6.98	7.20	7.32	7.61
21	7.37	7.16	6.91	6.53	6.16	6.13	5.91	5.68	7.12	7.20	7.34	7.73
22	7.37	7.16	6.90	6.52	6.14	6.12	5.94	5.72	7.11	7.19	7.38	7.70
23	7.36	7.16	6.89	6.51	6.13	6.11	5.93	5.70	7.12	7.18	7.41	7.67
24	7.34	7.15	6.88	6.49	6.12	6.10	5.91	5.67	7.09	7.17	7.40	7.65
25	7.33	7.20	6.86	6.48	6.11	6.09	5.89	5.63	7.07	7.19	7.45	7.64
26	7.32	7.20	6.85	6.46	6.11	6.07	5.87	5.59	7.05	7.19	7.64	7.65
27	7.31	7.18	6.83	6.45	6.12	6.06	5.86	5.55	7.04	7.22	7.68	7.64
28	7.30	7.17	6.81	6.45	6.11	6.05	---	5.51	7.04	7.24	7.68	7.64
29	7.30	7.16	6.80	6.46	---	6.04	5.86	5.49	7.10	7.27	7.67	7.63
30	7.29	7.14	6.79	6.44	---	6.02	5.83	5.49	7.14	7.33	7.66	7.62
31	7.28	---	6.78	6.43	---	6.01	---	5.47	---	7.30	7.65	---
TOTAL	---	216.29	216.06	204.20	174.88	188.55	---	176.70	195.95	222.73	228.74	228.23
MEAN	---	7.21	6.97	6.59	6.25	6.08	---	5.70	6.53	7.18	7.38	7.61
MAX	---	7.29	7.14	6.76	6.42	6.19	---	5.87	7.14	7.33	7.68	7.73
MIN	---	7.14	6.78	6.43	6.11	6.01	---	5.47	5.50	7.00	7.24	7.48

022907647 LEVEE 31 NORTH EXTENSION AT 1 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°44'53", long 80°29'53", in SE $^1/_4$ sec. 35, T.54 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of intersection of U.S. Highway 41 and Krome Avenue, and 1.0 mi south of U.S. Highway 41 on the west side of Levee 31 North.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1989 to November 1990, (gage heights only). February 1992 to current year.

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 velocity meter until July 9, 2004, when it was removed. The acoustic Doppler velocity meter was installed May 6, 2004. The acoustic velocity meter and acoustic Doppler velocity meter were run in tandem for the period of May 6, 2004 to July 9, 2004. Datum of gage is 0.10 ft below National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Flow is the sum of regulation from upstream control structures S-334, S-335, and S-336 and from levee seepage and rainfall. Positive flow is to the south and may reverse for short periods. Datum of gage is based upon an adjustment to the RM elevation.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 7 complete water years of discharge (1997-2001, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.17 ft Oct. 15, 1999; minimum, 2.33 ft May 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.59 ft Aug. 27; minimum, 4.78 ft Mar. 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	6.06	6.01	6.00	5.49	5.54	4.88	5.59	5.47	5.71	6.08	6.08	---
2	6.06	6.05	6.01	5.47	5.55	4.84	5.59	5.45	5.80	6.08	6.06	6.71
3	6.06	6.04	6.01	5.46	5.53	4.80	5.59	5.53	6.03	6.08	6.08	6.63
4	6.06	6.01	5.99	5.45	5.54	5.09	5.55	5.82	6.09	6.07	6.08	6.56
5	6.06	---	5.98	5.40	5.53	5.13	5.53	5.89	6.09	6.07	6.08	6.51
6	6.05	6.01	5.99	5.37	5.50	5.11	5.63	5.56	6.12	6.06	6.07	6.45
7	6.09	6.01	6.00	5.33	5.46	4.99	5.72	5.52	6.10	6.03	6.05	6.36
8	6.11	6.01	5.99	5.30	5.44	4.92	5.98	5.45	6.07	5.97	6.06	6.19
9	6.13	6.00	5.98	5.27	5.42	---	6.07	5.32	6.07	6.40	---	6.13
10	6.11	6.01	5.98	5.26	5.43	5.23	6.07	5.23	6.31	6.85	6.08	6.12
11	6.11	6.00	5.97	5.21	---	5.21	6.07	5.30	6.25	6.50	6.05	6.15
12	6.11	6.01	5.96	5.21	5.31	5.18	6.05	5.62	6.17	6.44	6.06	6.17
13	6.08	6.00	5.96	5.22	5.29	5.13	6.04	5.74	6.09	6.40	6.06	---
14	6.03	6.00	5.95	5.32	5.26	5.08	6.02	5.73	6.08	6.37	6.07	---
15	6.20	6.00	5.85	5.50	5.26	5.11	6.00	5.74	6.10	---	6.08	6.06
16	6.08	6.00	5.74	5.54	5.30	5.30	5.98	5.77	6.12	6.08	6.07	6.02
17	6.05	5.98	5.79	5.52	5.26	5.33	5.96	5.75	6.10	6.09	6.08	---
18	6.06	6.02	5.87	5.42	5.22	5.61	5.91	5.73	6.10	6.07	6.06	5.94
19	6.11	6.03	5.88	5.36	5.19	5.63	5.83	5.72	6.15	6.08	6.06	5.73
20	6.09	6.05	5.90	5.32	5.13	5.61	5.78	5.71	6.29	6.07	6.07	---
21	6.08	6.04	5.96	5.34	5.10	5.59	5.73	5.76	6.54	6.05	6.07	6.18
22	6.10	6.03	5.81	5.35	5.05	5.57	5.75	5.92	6.24	6.05	6.09	6.05
23	6.06	6.02	5.63	5.32	5.00	5.58	5.73	5.94	6.22	6.06	6.00	6.05
24	6.06	6.02	5.66	5.22	4.97	5.57	5.69	5.93	6.19	6.05	5.79	6.06
25	6.05	6.04	5.66	5.14	4.97	5.56	5.66	5.91	6.12	6.04	5.69	6.04
26	6.03	6.05	5.65	5.13	4.94	5.53	5.56	5.89	6.09	6.09	7.31	6.05
27	6.06	---	5.59	5.10	4.95	5.51	5.56	5.94	6.10	6.09	7.57	6.05
28	6.04	6.04	5.51	5.36	4.91	5.49	5.57	5.95	6.09	6.06	7.44	6.04
29	6.01	6.02	5.52	5.53	---	5.44	5.53	5.97	6.09	6.06	7.04	6.05
30	6.00	6.01	5.52	---	---	5.51	5.50	5.78	6.08	6.05	6.86	6.03
31	5.99	---	5.51	5.55	---	5.61	---	5.77	---	6.07	6.71	---
TOTAL	188.19	---	180.82	---	---	---	173.24	176.81	183.60	---	---	---
MEAN	6.07	---	5.83	---	---	---	5.77	5.70	6.12	---	---	---
MAX	6.20	---	6.01	---	---	---	6.07	5.97	6.54	---	---	---
MIN	5.99	---	5.51	---	---	---	5.50	5.23	5.71	---	---	---

022907647 LEVEE 31 NORTH EXTENSION AT 1 MILE NEAR WEST 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	398	976	845	276	382	432	564	649	67	378	713	e223
2	390	906	842	280	403	428	582	649	97	436	686	198
3	427	903	830	292	375	444	577	615	78	383	e689	204
4	453	926	825	298	383	462	573	571	185	440	680	257
5	485	e970	809	278	377	380	580	485	149	429	e670	237
6	505	939	831	265	370	365	632	386	182	411	665	280
7	470	928	836	278	349	368	625	389	183	473	638	296
8	457	942	857	275	355	422	658	386	221	678	627	296
9	447	923	822	276	372	e436	655	402	194	117	e587	268
10	436	921	877	286	357	399	623	405	11	166	526	281
11	408	872	846	271	e328	375	627	492	86	299	608	286
12	408	883	801	259	349	384	631	618	141	363	640	329
13	443	901	824	236	346	375	645	643	157	355	654	e460
14	576	917	824	253	347	396	627	657	322	339	657	e606
15	260	926	520	283	376	443	637	646	435	e387	683	667
16	203	873	339	229	390	425	654	664	395	458	696	673
17	290	897	324	241	385	469	652	631	391	415	701	e667
18	442	874	291	250	412	462	629	652	334	404	693	527
19	573	855	290	251	412	441	657	638	307	497	695	369
20	602	848	270	257	382	450	651	639	160	621	684	e214
21	362	858	259	269	378	434	628	666	181	649	665	297
22	371	852	287	237	373	437	588	656	271	665	642	389
23	439	831	308	252	406	481	637	648	308	675	644	448
24	455	858	289	263	377	470	625	667	273	671	569	446
25	550	868	276	263	416	458	628	679	362	663	499	444
26	680	814	262	253	403	492	584	628	368	665	e-166	541
27	724	e854	279	307	400	436	690	651	384	665	e-33	587
28	909	852	306	386	435	476	666	640	324	650	50	516
29	1,020	812	288	407	---	489	673	497	347	658	163	521
30	1,010	815	287	e373	---	527	653	280	387	673	167	539
31	1,010	---	283	393	---	584	---	205	---	691	201	---
TOTAL	16,203	26,594	16,827	8,737	10,638	13,640	18,851	17,434	7,300	15,374	16,593	12,066
MEAN	523	886	543	282	380	440	628	562	243	496	535	402
MAX	1,020	976	877	407	435	584	690	679	435	691	713	673
MIN	203	812	259	229	328	365	564	205	11	117	-166	198
AC-FT	32,140	52,750	33,380	17,330	21,100	27,050	37,390	34,580	14,480	30,490	32,910	23,930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	327	411	375	310	320	336	440	339	199	262	304	303
MAX	523	886	653	852	594	486	802	742	404	500	572	460
(WY)	(2005)	(2005)	(2004)	(2000)	(2000)	(1999)	(1998)	(1998)	(1998)	(2003)	(2002)	(2002)
MIN	183	184	186	178	169	207	222	126	8.04	46.0	187	181
(WY)	(1998)	(1998)	(1998)	(1994)	(1996)	(1994)	(2001)	(1995)	(2001)	(1994)	(1997)	(1997)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	133,110.5		180,257			
ANNUAL MEAN	364		494		344	
HIGHEST ANNUAL MEAN					494	2005
LOWEST ANNUAL MEAN					231	2001
HIGHEST DAILY MEAN	1,020	Oct 29	1,020	Oct 29	1,090	Jan 16, 2000
LOWEST DAILY MEAN	-33	Jul 21	-166	Aug 26	-181	Jun 10, 1997
ANNUAL SEVEN-DAY MINIMUM	-7.2	Jul 21	86	Aug 26	-7.2	Jul 21, 2004
ANNUAL RUNOFF (AC-FT)	264,000		357,500		249,000	
10 PERCENT EXCEEDS	832		833		656	
50 PERCENT EXCEEDS	290		444		282	
90 PERCENT EXCEEDS	177		252		145	

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 statitics section of the manuscript.

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°43'02", long 80°29'50", in SE $^{1}/_{4}$ sec.35, T.54 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of intersection of U.S. Highway 41 and Krome Avenue, and 3 mi south of U.S. Highway 41 on the west side of Levee 31 North.

DRAINAGE AREA.--Indeterminate.

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

REVISED RECORDS.--WDR 97-2A, 1992-96.

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 velocity meter until April 13, 2004 when it was removed. The acoustic Doppler velocity meter was installed April 13, 2004. Datum of gage is 0.10 ft below National Geodetic Vertical Datum of 1929 (FCE bench mark).

REMARKS.--Records poor. Flow is the sum of regulation from upstream control structures S-334, S-335, and S-336, downstream from structures G-211 and S-338 and from levee seepage and rainfall. Positive flow is to the south and may reverse for short periods. Datum of gage is based upon an adjustment to the RM elevation. To convert stage values to NGVD, a +0.10 ft correction must be applied to all water years. Negative discharge is considered estimated due to insufficient measurements to verify negative portion of the rating.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 11 complete water years of discharge (1993-2001, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.19 ft Oct. 15, 1999; minimum, 3.48 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.60 ft Aug. 27; minimum, 4.75 ft Mar. 3. See REMARKS.

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	6.05	5.97	5.97	5.49	5.54	4.86	5.57	5.46	5.74	6.11	6.06	6.66
2	6.05	6.01	5.98	5.47	5.55	4.83	5.57	5.45	5.84	6.11	6.05	6.71
3	6.06	6.00	5.98	5.45	5.53	4.79	5.58	5.53	6.05	6.10	6.07	6.64
4	6.06	5.97	5.97	5.45	5.54	5.08	5.54	5.82	6.13	6.10	6.07	6.57
5	6.05	---	5.96	5.40	5.53	5.12	5.51	5.89	6.12	6.10	6.08	6.52
6	6.04	5.99	5.96	5.36	5.50	5.09	5.61	5.57	6.15	6.09	6.07	6.48
7	6.08	5.99	5.97	5.33	5.45	4.98	5.70	5.53	6.13	6.05	6.05	6.37
8	6.10	5.99	5.96	5.30	5.43	4.91	5.94	5.46	6.11	5.97	6.07	6.19
9	6.11	5.97	5.95	5.27	5.42	---	6.03	5.33	---	6.42	---	6.13
10	6.10	5.98	5.94	5.26	5.42	5.22	6.03	5.24	6.34	6.87	6.09	6.13
11	6.10	5.97	5.93	5.21	5.38	5.19	6.05	5.31	6.27	6.52	6.06	6.16
12	6.10	5.97	5.93	5.21	5.30	5.16	6.05	5.62	6.19	6.46	6.07	6.18
13	6.07	5.97	5.93	5.21	5.28	5.12	6.02	5.74	6.12	6.42	6.06	6.13
14	6.01	5.96	5.92	5.31	5.24	5.07	6.01	5.73	6.11	6.40	6.07	6.17
15	6.19	5.96	5.85	5.50	5.24	5.09	6.00	5.74	6.13	---	6.08	6.05
16	6.08	5.96	5.73	5.55	5.29	5.27	5.98	5.77	6.15	6.10	6.07	6.01
17	6.04	5.95	5.79	5.52	5.25	5.30	5.96	5.75	6.13	6.11	6.08	---
18	6.05	5.99	5.86	5.43	5.21	5.60	5.90	5.73	6.13	6.09	6.06	5.93
19	6.09	6.00	5.88	5.36	5.17	5.62	5.83	5.71	6.17	6.10	6.05	5.73
20	6.07	6.01	5.90	5.32	5.11	5.59	5.78	5.70	6.32	6.09	6.07	---
21	6.06	6.01	5.96	5.34	5.08	5.56	5.73	5.75	6.57	6.07	6.06	6.15
22	6.09	6.00	5.81	5.34	5.04	5.55	5.75	5.92	6.27	6.06	6.09	6.01
23	6.06	5.99	5.62	5.32	4.98	5.56	5.73	5.94	6.25	6.06	6.00	6.01
24	6.06	5.99	5.65	5.22	4.95	5.55	5.69	5.93	6.22	6.05	5.80	6.01
25	6.03	6.01	5.65	5.14	4.95	5.54	5.65	5.91	6.15	6.04	5.69	6.00
26	6.02	6.02	5.64	5.13	4.93	5.51	5.56	5.89	6.12	6.09	7.31	6.00
27	---	---	5.59	5.10	4.93	5.49	5.55	5.94	6.13	6.09	7.58	6.01
28	6.00	6.01	5.51	5.35	4.89	5.47	5.57	5.95	6.11	6.06	7.42	6.00
29	5.97	6.00	5.52	5.52	---	5.43	5.53	5.99	6.12	6.05	7.04	6.00
30	5.96	5.98	5.52	---	---	5.49	5.49	5.81	6.11	6.05	6.86	6.00
31	5.95	---	5.50	5.55	---	5.59	---	5.81	---	6.06	6.71	---
TOTAL	---	---	180.33	---	147.13	---	172.91	176.92	---	---	---	---
MEAN	---	---	5.82	---	5.25	---	5.76	5.71	---	---	---	---
MAX	---	---	5.98	---	5.55	---	6.05	5.99	---	---	---	---
MIN	---	---	5.50	---	4.89	---	5.49	5.24	---	---	---	---

02290765 LEVEE 31 NORTH EXTENSION AT 3 MILE NEAR WEST 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	578	1,180	1,070	398	439	438	576	730	108	614	794	408
2	563	1,080	1,060	383	442	432	579	727	144	645	784	413
3	596	1,080	1,030	385	440	426	592	690	119	624	773	343
4	587	1,090	1,060	396	438	466	606	628	238	651	754	374
5	572	e1,080	1,040	378	442	421	607	551	194	694	733	386
6	580	1,060	1,050	339	433	414	663	457	211	694	760	403
7	556	1,060	1,050	357	433	406	674	442	267	721	755	520
8	511	1,070	1,060	377	421	425	718	437	e261	797	715	577
9	485	1,080	1,060	369	442	e435	687	429	e297	236	e677	531
10	475	1,120	1,080	360	426	465	674	442	55	232	640	498
11	440	1,100	1,030	335	404	426	677	542	153	447	704	502
12	427	1,100	986	313	422	443	681	670	373	467	722	541
13	515	1,110	1,020	316	410	438	669	703	329	448	717	705
14	683	1,120	995	311	415	427	671	725	429	474	739	726
15	330	1,140	600	292	450	473	682	727	573	e518	737	777
16	253	1,120	415	260	470	489	683	754	670	655	764	791
17	311	1,110	383	272	483	503	683	719	634	684	780	e769
18	522	1,090	370	305	479	492	691	714	598	668	769	630
19	638	1,080	361	329	446	470	721	706	549	749	755	560
20	706	1,070	325	333	453	492	734	727	337	780	768	e296
21	489	1,070	304	310	443	447	697	730	319	762	751	460
22	466	1,080	371	319	459	461	665	750	409	763	714	570
23	508	1,070	420	290	466	491	694	739	437	768	698	617
24	515	1,090	416	322	428	516	679	739	392	767	669	617
25	643	1,070	397	345	424	480	672	728	380	754	605	630
26	786	1,010	353	335	442	525	651	714	433	738	e-218	707
27	e821	e1,090	366	391	425	475	739	722	529	748	e-159	684
28	1,060	1,060	375	443	432	491	732	719	542	753	30	639
29	1,230	1,040	380	453	---	507	731	572	543	747	208	652
30	1,220	1,060	377	e437	---	564	731	367	580	743	335	655
31	1,220	---	374	447	---	609	---	253	---	757	343	---
TOTAL	19,286	32,580	21,178	10,900	12,307	14,547	20,259	19,553	11,103	20,098	18,816	16,981
MEAN	622	1,086	683	352	440	469	675	631	370	648	607	566
MAX	1,230	1,180	1,080	453	483	609	739	754	670	797	794	791
MIN	253	1,010	304	260	404	406	576	253	55	232	-218	296
AC-FT	38,250	64,620	42,010	21,620	24,410	28,850	40,180	38,780	22,020	39,860	37,320	33,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	402	461	428	368	379	396	470	387	265	353	396	408
MAX	622	1,086	759	877	645	564	887	845	542	648	678	592
(WY)	(2005)	(2005)	(2002)	(2000)	(2000)	(1999)	(1998)	(1998)	(1998)	(2005)	(2002)	(2002)
MIN	262	244	233	206	240	219	206	77.5	-30.7	56.9	244	278
(WY)	(1998)	(1998)	(2001)	(2004)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)	(1992)	(1997)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	160,626.0		217,608			
ANNUAL MEAN	439		596		382	
HIGHEST ANNUAL MEAN					596	2005
LOWEST ANNUAL MEAN					251	2001
HIGHEST DAILY MEAN	1,230	Oct 29	1,230	Oct 29	1,230	Oct 29, 2004
LOWEST DAILY MEAN	-51	Jul 25	-218	Aug 26	-218	Oct 4, 2000
ANNUAL SEVEN-DAY MINIMUM	3.9	Jul 21	135	Aug 26	-69	Jul 10, 2001
ANNUAL RUNOFF (AC-FT)	318,600		431,600		276,600	
10 PERCENT EXCEEDS	1,060		1,060		641	
50 PERCENT EXCEEDS	370		570		352	
90 PERCENT EXCEEDS	189		329		196	

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.

02290766 LEVEE 31 NORTH EXTENSION AT 4 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°42'06", long 80°29'46", in NE ¼ NE ¼ NE ¼ sec.35, T.54 S., R. 38 E., Miami-Dade County, Hydrologic Unit 03090202, 0.5 mi west of the junction of U.S. Highway 41 and Krome Avenue and 4.1 mi south of U.S. Highway 41 on west side of Levee 31 North, near West Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1994 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 (FCE bench mark).

REMARKS.--Records poor. Flow primarily regulated by control structures S-335 upstream and G-211 downstream; occasionally S-334, S-336 and G-119 upstream and S-338 downstream also affect L-31 canal flows. The control structure S-24 located near the Tamiami Trail bridge is not used for regulation. The manual operation gated culvert S-24A, that is located 1 mi upstream, is inoperable.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 complete water years of discharge (1995, 1997-2001, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.32 ft Oct. 15, 1999; minimum, 3.53 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.63 ft Aug. 27; minimum, 4.78 ft Mar.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	6.09	5.98	5.97	5.51	5.57	4.89	5.59	5.47	5.75	6.12	6.07	6.69
2	6.09	6.02	5.97	5.49	5.57	4.85	5.59	5.45	5.85	6.12	6.06	6.74
3	6.09	6.02	5.97	5.48	5.55	4.81	5.60	5.54	6.07	6.11	6.08	6.67
4	6.09	5.97	5.96	5.47	5.57	5.10	5.55	5.82	6.13	6.11	6.08	6.60
5	6.08	5.98	5.94	5.42	5.56	5.14	5.53	5.90	6.13	6.11	6.08	6.55
6	6.07	5.98	5.95	5.39	5.53	5.11	5.62	5.59	6.16	6.10	6.08	6.49
7	6.13	5.98	5.96	5.35	5.48	4.99	5.70	5.54	6.14	6.06	6.06	6.39
8	6.15	5.98	5.96	5.33	5.46	4.93	5.97	5.47	6.11	5.97	6.07	6.22
9	6.16	5.96	5.94	5.30	5.44	5.01	6.07	5.34	6.11	6.42	6.08	6.16
10	6.14	5.97	5.93	5.29	5.45	5.24	6.08	5.25	6.35	6.88	6.10	6.16
11	6.14	5.95	5.93	5.23	5.42	5.21	6.07	5.31	6.28	6.54	6.06	6.18
12	6.14	5.96	5.93	5.23	5.33	5.18	6.05	5.63	6.20	6.47	6.06	6.20
13	6.11	5.96	5.93	5.24	5.31	5.14	6.03	5.74	6.13	6.44	6.06	6.16
14	6.06	5.96	5.92	5.34	5.27	5.08	6.02	5.73	6.12	6.42	6.07	6.19
15	6.23	5.95	5.87	5.53	5.27	5.11	6.01	5.74	6.14	---	6.08	6.07
16	6.13	5.94	5.75	---	5.32	5.27	5.99	5.77	6.16	6.11	6.07	6.02
17	6.09	5.94	5.81	---	5.28	5.32	5.97	5.75	6.14	6.12	6.08	6.01
18	6.09	5.98	5.88	---	5.25	5.63	5.91	5.74	6.14	6.10	6.06	5.95
19	6.12	5.99	5.90	5.38	5.21	5.64	5.83	5.72	6.18	6.11	6.06	5.76
20	6.11	6.01	5.92	5.35	5.15	5.62	5.78	5.71	6.33	6.09	6.07	6.08
21	6.11	6.00	5.97	5.36	5.11	5.59	5.74	5.75	6.58	6.08	6.07	6.19
22	6.13	5.99	5.82	5.37	5.07	5.58	5.76	5.92	6.28	6.07	6.10	6.06
23	6.09	5.98	5.65	5.35	5.02	5.59	5.73	5.94	6.26	6.07	6.01	6.06
24	6.09	5.97	5.68	5.25	4.99	5.58	5.70	5.93	6.23	6.06	5.80	6.07
25	6.06	6.00	5.67	5.17	4.98	5.57	5.66	5.91	6.16	6.05	5.69	6.05
26	6.04	6.01	5.66	5.15	4.97	5.54	5.56	5.89	6.13	6.10	7.33	6.05
27	6.06	6.00	5.62	5.12	---	5.52	5.56	5.94	6.14	6.10	7.61	6.04
28	6.02	6.00	5.53	5.38	4.92	5.49	5.57	5.96	6.12	6.07	7.44	6.05
29	5.97	5.99	5.54	5.55	---	5.45	5.53	5.99	6.13	6.06	7.06	6.05
30	5.96	5.97	5.54	5.58	---	5.51	5.49	5.81	6.12	6.06	6.89	6.04
31	5.95	---	5.53	5.58	---	5.61	---	5.81	---	6.06	6.75	---
TOTAL	188.79	179.39	180.60	---	---	164.30	173.26	177.06	184.77	---	194.18	185.95
MEAN	6.09	5.98	5.83	---	---	5.30	5.78	5.71	6.16	---	6.26	6.20
MAX	6.23	6.02	5.97	---	---	5.64	6.08	5.99	6.58	---	7.61	6.74
MIN	5.95	5.94	5.53	---	---	4.81	5.49	5.25	5.75	---	5.69	5.76

02290766 LEVEE 31 NORTH EXTENSION AT 4 MILE NEAR WEST 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	e570	1,150	991	388	425	441	575	666	103	597	916	383
2	536	1,060	990	373	435	422	562	686	146	640	920	405
3	558	1,050	978	375	440	408	577	672	112	596	887	412
4	577	1,060	983	370	431	445	579	612	221	649	879	438
5	594	1,070	989	368	433	414	591	537	206	704	848	456
6	602	1,060	987	342	425	410	635	461	218	732	860	449
7	596	1,050	975	349	421	398	634	433	276	762	817	521
8	551	1,070	995	349	431	401	678	419	331	898	798	592
9	524	1,060	982	322	430	431	658	410	e331	316	778	599
10	507	1,060	976	341	422	454	650	425	e126	272	728	536
11	497	1,070	999	326	410	423	650	526	e325	444	785	531
12	469	1,070	970	320	424	432	656	657	e370	473	841	580
13	546	1,080	963	320	413	e392	634	679	e439	461	838	701
14	725	1,070	972	304	418	e433	655	699	e480	498	871	810
15	373	1,050	634	281	444	436	655	691	e604	e466	867	875
16	311	1,070	447	e273	459	467	654	700	e638	678	892	907
17	350	1,080	399	e277	475	475	655	688	e631	707	900	908
18	539	1,060	387	e318	475	482	665	683	e589	701	892	739
19	675	1,040	374	334	444	472	693	687	e542	758	879	616
20	740	1,030	340	341	451	469	683	691	e382	828	879	388
21	503	1,030	327	312	441	460	664	693	e403	844	861	531
22	477	1,020	399	302	451	469	652	703	e482	861	826	613
23	551	1,000	421	302	447	472	651	701	472	871	818	650
24	569	1,000	409	324	413	485	650	703	476	871	778	638
25	683	1,000	376	353	417	461	653	703	452	852	751	634
26	817	996	370	339	442	492	615	688	565	847	e-213	744
27	857	1,010	368	390	406	e456	683	688	550	841	e-176	794
28	1,060	1,000	377	439	430	e468	700	673	554	858	42	714
29	1,190	982	363	457	---	501	707	540	580	860	250	731
30	1,180	999	374	429	---	546	679	340	607	875	402	765
31	1,180	---	385	446	---	583	---	251	---	897	430	---
TOTAL	19,907	31,347	20,500	10,764	12,153	14,098	19,393	18,705	12,211	21,657	21,844	18,660
MEAN	642	1,045	661	347	434	455	646	603	407	699	705	622
MAX	1,190	1,150	999	457	475	583	707	703	638	898	920	908
MIN	311	982	327	273	406	392	562	251	103	272	-213	383
AC-FT	39,490	62,180	40,660	21,350	24,110	27,960	38,470	37,100	24,220	42,960	43,330	37,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	419	532	480	409	406	413	495	381	269	351	408	424
MAX	642	1,045	758	977	725	585	892	833	465	699	705	622
(WY)	(2005)	(2005)	(2002)	(2000)	(2000)	(2002)	(1998)	(1998)	(1998)	(2005)	(2005)	(2005)
MIN	240	238	241	209	235	236	213	115	9.68	84.2	242	265
(WY)	(1998)	(1998)	(1998)	(2004)	(1996)	(1996)	(2001)	(2001)	(2001)	(2001)	(1997)	(1997)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	156,845.26		221,239			
ANNUAL MEAN	429		606		414	
HIGHEST ANNUAL MEAN					606	2005
LOWEST ANNUAL MEAN					271	2001
HIGHEST DAILY MEAN	1,190	Oct 29	1,190	Oct 29	1,210	Jan 16, 2000
LOWEST DAILY MEAN	-115	Jul 25	-213	Aug 26	-300	Jun 10, 1997
ANNUAL SEVEN-DAY MINIMUM	-34	Jul 23	160	Aug 26	-34	Jul 23, 2004
ANNUAL RUNOFF (AC-FT)	311,100		438,800		300,300	
10 PERCENT EXCEEDS	990		990		740	
50 PERCENT EXCEEDS	351		577		370	
90 PERCENT EXCEEDS	196		340		191	

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.

02290767 LEVEE 31 NORTH EXTENSION AT 5 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°41'09", long 80°29'50", T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 1.05 mi west of the junction of U.S. Highway 41 and Krome Avenue, and 5.25 mi south of U.S. Highway 41 on west side of Levee 31 North, near West Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 16, 1994 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 (FCE bench mark).

REMARKS.--Records fair except those for estimated daily discharges, and velocities recorded fall below 0.20 ft/sec, which are poor. Flow primarily regulated by control structure S-355 upstream and G-211 downstream; occasionally S-334, S-336, G-119 upstream and S-338 downstream also affect L-31 canal flows. The control structure S-24 located near the Tamiami Trail bridge is not used for regulation. The manual operation gated culvert S-24A, that is located 2 mi upstream is inoperable. Positive flow is to the south and may reverse for short periods. 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 discharge (1995, 1997-2001, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.27 ft Oct. 15, 1999; minimum, 3.48 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.58 ft Sept. 29; minimum, 3.87 ft May 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	6.05	5.88	5.85	5.42	---	4.79	5.53	5.41	5.70	6.06	6.00	6.63
2	6.04	5.93	5.86	5.40	5.47	4.76	5.52	5.40	5.80	6.06	5.99	6.69
3	6.05	5.92	5.86	5.39	5.45	4.71	5.54	5.47	6.02	6.05	6.00	6.61
4	6.04	5.88	5.85	5.38	5.47	5.01	5.50	5.73	6.09	6.05	6.00	6.55
5	6.03	5.90	5.84	5.33	5.47	5.05	5.47	5.85	6.08	6.05	6.01	6.49
6	6.02	5.89	5.84	5.30	5.43	5.03	5.56	5.61	6.11	6.04	6.00	6.44
7	6.07	---	5.85	5.26	5.39	4.90	5.65	5.50	6.09	6.00	5.99	6.34
8	6.09	5.89	5.85	5.23	5.36	4.83	5.91	5.42	6.06	5.91	6.01	6.16
9	6.10	5.88	5.83	5.21	5.35	4.92	6.01	5.30	6.06	6.36	6.01	6.10
10	6.09	5.87	5.82	5.20	5.36	5.15	6.02	5.21	6.30	6.83	6.03	6.10
11	6.08	5.84	5.81	5.14	5.33	5.12	6.01	5.27	6.22	6.48	5.99	6.13
12	6.09	5.84	5.82	5.15	5.24	5.09	5.99	5.57	6.15	6.42	5.99	6.15
13	6.06	5.84	5.82	5.15	5.22	5.05	5.96	5.68	6.08	6.39	5.99	6.09
14	5.99	5.84	5.81	5.24	5.18	4.99	5.96	5.67	6.07	6.37	6.00	6.12
15	6.17	5.83	5.78	5.44	5.18	5.01	5.95	5.69	6.08	---	6.01	6.00
16	6.07	5.83	5.66	5.49	5.23	5.17	5.93	5.71	6.10	---	6.00	5.95
17	6.03	5.82	5.72	5.47	5.19	5.23	5.91	5.70	6.08	6.06	6.01	5.94
18	6.03	5.86	5.80	5.37	5.16	5.56	5.85	5.68	6.08	6.04	5.99	5.89
19	6.04	5.87	5.81	5.29	5.12	5.58	5.77	5.66	6.12	6.04	5.98	5.70
20	6.02	5.89	5.84	5.25	5.06	5.56	5.72	5.66	6.27	6.02	6.00	6.03
21	6.04	5.89	5.89	5.27	5.02	5.52	5.68	5.71	6.53	6.00	6.00	6.13
22	6.06	5.88	5.75	5.27	4.98	5.51	5.70	5.86	6.23	5.99	6.02	6.00
23	6.02	5.86	5.60	5.26	4.92	5.51	5.68	5.88	6.21	6.00	5.93	5.99
24	6.02	5.86	5.62	5.16	4.89	5.51	5.65	5.87	6.18	5.98	5.75	6.01
25	5.99	5.88	5.62	5.08	4.89	5.50	5.61	5.85	6.10	5.98	5.62	5.99
26	5.95	5.90	5.61	5.06	4.87	5.48	5.50	5.84	6.07	6.02	7.28	5.98
27	5.97	5.89	5.53	5.03	4.86	5.44	5.50	5.88	6.08	6.02	7.56	5.97
28	5.92	5.89	5.44	5.28	4.82	5.42	5.52	5.90	6.07	5.99	7.39	5.98
29	5.87	5.88	5.45	5.45	---	5.39	5.48	5.94	6.07	5.99	7.01	5.98
30	5.86	5.86	5.45	5.48	---	5.45	5.44	5.76	6.06	5.98	6.83	5.97
31	5.85	---	5.44	5.48	---	5.55	---	5.76	---	5.99	6.68	---
TOTAL	186.71	---	177.72	163.93	---	161.79	171.52	175.44	183.16	---	192.07	184.11
MEAN	6.02	---	5.73	5.29	---	5.22	5.72	5.66	6.11	---	6.20	6.14
MAX	6.17	---	5.89	5.49	---	5.58	6.02	5.94	6.53	---	7.56	6.69
MIN	5.85	---	5.44	5.03	---	4.71	5.44	5.21	5.70	---	5.62	5.70

02290767 LEVEE 31 NORTH EXTENSION AT 5 MILE NEAR WEST 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	567	1,170	1,010	331	e381	394	533	627	93	555	872	384
2	580	1,080	1,000	326	396	382	528	640	83	576	887	396
3	597	1,070	1,010	333	393	367	530	623	e45	567	865	372
4	607	1,080	1,000	321	397	407	541	576	151	621	842	396
5	615	1,090	1,000	313	391	366	537	508	146	626	817	419
6	624	1,080	997	304	393	362	573	434	187	644	830	426
7	598	e1,080	993	308	393	370	588	398	257	703	827	499
8	553	1,090	1,000	296	392	365	636	388	297	899	809	536
9	531	1,080	1,010	298	401	395	621	381	294	e298	789	534
10	507	1,080	991	295	394	420	610	394	102	e263	746	512
11	491	1,080	1,020	275	371	367	597	485	301	432	813	499
12	486	1,090	981	266	384	396	602	600	346	477	833	539
13	556	1,100	974	280	383	360	573	633	415	476	840	680
14	739	1,090	988	266	393	401	603	640	456	475	863	824
15	e341	1,080	627	244	410	429	599	642	580	e549	853	896
16	329	1,080	412	232	435	437	604	657	614	e656	859	927
17	373	1,100	356	236	434	448	599	638	607	676	873	932
18	542	1,070	342	277	426	449	617	647	565	652	866	772
19	692	1,050	326	295	414	425	641	633	518	727	863	624
20	762	1,040	297	288	408	422	640	636	358	811	850	378
21	519	1,030	271	273	412	433	624	650	379	819	865	511
22	485	1,040	349	263	417	439	605	651	423	851	827	618
23	554	1,030	384	258	415	424	614	655	480	875	827	657
24	564	1,020	380	285	393	453	603	661	507	867	808	643
25	698	1,020	345	303	375	435	604	654	468	847	778	645
26	841	1,020	337	305	406	459	587	633	541	828	e-293	725
27	887	1,020	335	352	365	420	650	640	549	840	e-260	791
28	1,100	1,000	330	398	388	432	650	630	542	848	57	717
29	1,230	998	327	406	---	459	653	506	544	840	262	737
30	1,220	1,010	332	395	---	511	637	331	569	846	364	760
31	1,220	---	319	394	---	533	---	224	---	856	427	---
TOTAL	20,408	31,868	20,043	9,416	11,160	12,960	17,999	17,415	11,417	21,000	21,459	18,349
MEAN	658	1,062	647	304	399	418	600	562	381	677	692	612
MAX	1,230	1,170	1,020	406	435	533	653	661	614	899	887	932
MIN	329	998	271	232	365	360	528	224	45	263	-293	372
AC-FT	40,480	63,210	39,760	18,680	22,140	25,710	35,700	34,540	22,650	41,650	42,560	36,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	440	554	488	406	418	405	496	369	265	353	431	439
MAX	658	1,062	828	1,066	804	587	914	859	462	677	692	612
(WY)	(2005)	(2005)	(2000)	(2000)	(2000)	(2002)	(1998)	(1998)	(1998)	(2005)	(2005)	(2005)
MIN	231	229	256	166	266	189	221	110	-47.8	76.3	251	266
(WY)	(1998)	(1998)	(1998)	(2004)	(2002)	(1996)	(2004)	(1996)	(2001)	(1994)	(1997)	(1997)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	149,112.6		213,494			
ANNUAL MEAN	407		585		423	
HIGHEST ANNUAL MEAN					605	2000
LOWEST ANNUAL MEAN					280	1997
HIGHEST DAILY MEAN	1,230	Oct 29	1,230	Oct 29	1,300	Jan 17, 2000
LOWEST DAILY MEAN	-145	Jul 24	-293	Aug 26	-293	Aug 26, 2005
ANNUAL SEVEN-DAY MINIMUM	-84	Jul 24	133	May 31	-84	Jul 24, 2004
ANNUAL RUNOFF (AC-FT)	295,800		423,500		306,500	
10 PERCENT EXCEEDS	1,000		1,000		778	
50 PERCENT EXCEEDS	323		549		377	
90 PERCENT EXCEEDS	150		300		193	

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.

02290768 LEVEE 31 NORTH EXTENSION AT 7 MILE NEAR WEST MIAMI, FL

LOCATION.--Lat 25°39'48", long 80°29'54", NE ¼ NE ¼ SE ¼ sec.11, T.55 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, (South Miami NW quadrangle), 0.5 mi west of junction of U.S. Highway 41 and Krome Avenue and 6.9 mi south of U.S. Highway 41 on the west side of Levee 31 North Levee, near West Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1994 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 (FCE bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Flow is the sum of regulation from upstream control structures S-334, S-335 and S-336 from levee seepage and rainfall, and from structures S-338 and G-211 downstream. Positive flow is to the south and may reverse for short periods.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 complete water years of discharge (1995, 1997-98, 2000-02, 2004, 2005).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.19 ft Oct. 15, 1999; minimum, 3.46 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.57 ft Aug. 27; minimum, 4.72 ft Mar. 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	6.01	5.83	5.85	5.45	5.50	4.83	5.52	5.37	5.69	6.04	5.96	6.60
2	6.01	5.89	5.86	5.43	5.51	4.80	5.51	5.36	5.79	6.04	5.94	6.66
3	6.00	5.89	5.86	5.42	5.49	4.75	5.53	5.45	6.01	6.02	5.95	6.58
4	6.00	5.85	5.85	5.41	5.50	5.05	5.48	5.74	6.07	6.03	5.96	6.52
5	5.99	5.86	5.83	5.36	5.50	5.10	5.46	5.81	6.07	6.03	5.96	6.47
6	5.98	5.86	5.84	5.33	5.46	5.07	5.55	5.51	6.10	6.03	5.96	6.44
7	6.03	5.85	5.85	5.29	5.42	4.94	5.63	5.46	6.08	5.98	5.94	6.34
8	6.05	5.86	5.85	5.26	5.39	4.87	5.90	5.39	6.05	5.86	5.96	6.13
9	6.06	5.85	5.83	5.24	5.38	4.96	6.00	5.26	6.05	6.32	5.96	6.07
10	6.05	5.86	5.82	5.23	5.38	5.20	6.01	5.17	6.28	6.81	5.98	6.07
11	6.04	5.84	5.81	5.18	5.36	5.16	6.00	---	6.20	6.50	5.95	6.10
12	6.05	5.84	5.82	5.18	5.27	5.13	5.98	5.53	6.13	6.41	5.95	6.12
13	6.02	5.84	5.82	5.18	5.25	5.09	5.95	5.64	6.06	6.38	5.94	6.05
14	5.94	5.84	5.81	5.27	5.21	5.04	5.95	5.63	6.04	6.37	5.95	6.07
15	6.15	5.84	5.81	5.48	5.21	5.06	5.94	5.65	6.06	---	5.96	5.94
16	6.05	5.83	5.69	5.53	5.25	5.21	5.92	5.68	6.08	6.03	5.95	5.89
17	6.01	5.82	5.76	5.51	5.21	5.24	5.90	5.66	6.05	6.04	5.96	5.88
18	6.00	5.86	5.84	5.41	5.18	5.56	5.84	5.65	6.05	6.02	5.94	5.84
19	6.02	5.88	5.85	5.32	5.14	5.57	5.76	5.62	6.10	6.02	5.93	5.66
20	5.99	5.90	5.88	5.29	5.08	5.55	5.70	5.61	6.25	5.99	5.95	6.00
21	6.03	5.89	5.93	5.30	5.05	5.51	5.66	5.66	6.51	5.96	5.94	6.10
22	6.05	5.88	5.77	5.31	5.01	5.50	5.68	5.82	6.20	5.96	5.97	5.96
23	6.00	5.87	5.59	5.29	4.95	5.50	5.65	5.84	6.19	5.96	5.88	5.95
24	6.01	5.87	5.62	5.19	4.91	5.50	5.62	5.83	6.16	5.94	5.68	5.96
25	5.97	5.89	5.62	5.11	4.91	5.48	5.58	5.81	6.08	5.94	5.53	5.94
26	5.93	5.90	5.61	5.09	4.90	5.47	5.47	5.80	6.05	5.98	7.24	5.92
27	5.95	5.89	5.57	5.06	4.88	5.43	5.46	5.85	6.06	5.98	7.54	5.91
28	5.88	5.89	5.48	5.31	4.85	5.41	5.48	5.87	6.05	5.95	7.36	5.92
29	5.81	5.87	5.48	5.48	---	5.38	5.44	5.91	6.05	5.95	6.99	5.92
30	5.81	5.86	5.49	5.51	---	5.44	5.40	5.74	6.04	5.94	6.81	5.91
31	5.80	---	5.47	5.51	---	5.54	---	5.75	---	5.95	6.66	---
TOTAL	185.69	175.90	178.16	164.93	146.15	162.34	170.97	---	182.60	---	190.65	182.92
MEAN	5.99	5.86	5.75	5.32	5.22	5.24	5.70	---	6.09	---	6.15	6.10
MAX	6.15	5.90	5.93	5.53	5.51	5.57	6.01	---	6.51	---	7.54	6.66
MIN	5.80	5.82	5.47	5.06	4.85	4.75	5.40	---	5.69	---	5.53	5.66

02290768 LEVEE 31 NORTH EXTENSION AT 7 MILE NEAR WEST 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	633	1,290	1,050	359	395	415	517	631	112	626	935	504
2	630	1,170	1,050	358	403	403	522	634	117	652	927	516
3	629	1,160	1,030	350	408	394	529	635	71	623	905	511
4	643	1,170	1,030	353	413	413	529	589	158	640	882	530
5	650	1,150	1,050	346	402	370	539	547	153	667	864	547
6	658	1,130	1,050	306	394	370	572	455	229	668	870	542
7	643	1,130	1,040	319	404	376	592	426	309	740	866	583
8	594	1,130	1,060	318	399	381	640	403	316	970	848	637
9	568	1,140	1,060	319	405	412	608	408	319	382	869	621
10	542	e1,360	1,050	319	396	432	598	419	181	331	825	599
11	527	1,160	1,050	305	390	386	591	e1,340	357	541	869	603
12	511	1,160	1,010	289	395	396	591	603	438	519	890	609
13	581	1,160	1,000	288	382	386	594	640	465	513	885	759
14	777	1,140	1,010	282	392	390	597	633	470	511	905	919
15	437	1,140	642	251	414	415	596	639	586	e1,440	909	1,010
16	374	1,150	423	235	430	440	596	645	635	715	915	1,040
17	418	1,140	369	249	436	450	598	638	617	747	929	1,040
18	602	1,110	354	286	444	459	625	643	591	735	922	878
19	745	1,110	340	298	428	428	646	636	582	806	915	725
20	814	1,090	307	304	424	427	656	641	424	894	909	506
21	561	1,090	273	276	410	419	613	635	446	902	916	691
22	530	1,090	372	275	426	432	587	639	557	893	879	770
23	614	1,080	406	273	418	435	588	637	573	911	901	790
24	624	1,080	388	301	399	449	595	634	592	914	871	768
25	762	1,080	354	317	408	429	589	631	593	901	848	756
26	909	1,050	353	312	418	453	586	631	613	887	e-216	869
27	961	1,070	356	364	385	425	648	632	619	904	e-133	958
28	1,180	1,050	366	427	409	441	645	621	609	905	152	896
29	1,340	1,050	349	433	---	458	647	547	612	905	379	895
30	1,330	1,060	346	396	---	498	638	389	627	911	502	927
31	1,320	---	355	417	---	525	---	248	---	919	526	---
TOTAL	22,107	33,890	20,893	9,925	11,427	13,107	17,872	18,449	12,971	23,672	23,464	21,999
MEAN	713	1,130	674	320	408	423	596	595	432	764	757	733
MAX	1,340	1,360	1,060	433	444	525	656	1,340	635	1,440	935	1,040
MIN	374	1,050	273	235	382	370	517	248	71	331	-216	504
AC-FT	43,850	67,220	41,440	19,690	22,670	26,000	35,450	36,590	25,730	46,950	46,540	43,640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	482	589	505	410	396	394	466	382	293	376	432	475
MAX	713	1,130	809	998	745	583	812	744	483	764	757	733
(WY)	(2005)	(2005)	(2002)	(2000)	(2000)	(2002)	(1998)	(1998)	(2003)	(2005)	(2005)	(2005)
MIN	252	243	258	154	226	216	202	118	32.8	109	263	271
(WY)	(1998)	(1998)	(2001)	(2004)	(1996)	(1996)	(2001)	(2001)	(2001)	(2001)	(1997)	(1997)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	157,159.2		229,776			
ANNUAL MEAN	429		630		445	
HIGHEST ANNUAL MEAN					630	2005
LOWEST ANNUAL MEAN					288	2001
HIGHEST DAILY MEAN	1,360	Nov 10	1,440	Jul 15	1,440	Jul 15, 2005
LOWEST DAILY MEAN	-59	Jul 31	-216	Aug 26	-216	Aug 26, 2005
ANNUAL SEVEN-DAY MINIMUM	-30	Jul 21	155	May 31	-30	Jul 21, 2004
MAXIMUM PEAK FLOW					1,320	Mar 24, 2003
ANNUAL RUNOFF (AC-FT)	311,700		455,800		322,500	
10 PERCENT EXCEEDS	1,050		1,050		828	
50 PERCENT EXCEEDS	333		594		408	
90 PERCENT EXCEEDS	145		319		198	

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.

02290769 CANAL 111 AT S-18-C, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°19'49", long 80°31'31", in NW $\frac{1}{4}$ sec.3, T.59 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, at control structure 18-C, and 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1968 to current year.

REVISED RECORDS.--WDR FL-78-2A,1974-77.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Prior to September 30, 2001, satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. The acoustic velocity meter and acoustic Doppler velocity meter ran in tandem for the period of May 24, 2001 to October 17, 2001. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for estimated and negative daily discharges, which are poor. Flow regulated by S-18-C. Prior to November 30, 1992, discharge computed from relation between head and gate openings at S-18-C. After December 1, 1992, discharge computed based on continuous record of stage and velocity at newly established acoustic velocity meter site downstream of S-18-C. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Prior to the 1993 water year, the downstream gage height is available in files of the U.S. Geological Survey under station number 02290770. Starting with the 1993 water year, the downstream gage height is available in files of the U.S. Geological Survey under station number 02290769. Prior to the 1994 water year, discharge published under the name Canal 111 Above S-18-C found under the same station number (02290769). Prior to December 1, 1992, digital water-stage recorders, electromagnetic velocity meter recorder, and a dual graphic water-stage and gate opening recorder were operational.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1969-90, 1993-94, 1996, 1998-99, 2002-05).

COOPERATION.--Gate-opening recorder record, and record of slot operations provided by South Florida Water Management District, upon request.

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD (1969-92).--Maximum gage height, 3.62 ft July 24, 1985; minimum, -1.53 ft estimated May 14, 1971.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD (1993-current year).--Maximum gage height, 3.82 ft Oct. 15, 1999; minimum, 0.13 ft May 19, 2002.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 3.55 ft Aug. 26; minimum, 1.15 ft Apr. 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	2.13	2.38	2.18	1.65	1.52	1.34	1.35	1.19	1.51	2.56	2.30	2.68
2	2.12	2.36	2.17	1.64	1.51	1.31	1.32	1.18	1.53	2.54	2.30	2.77
3	2.08	2.35	2.14	1.62	1.51	1.30	1.30	1.27	1.63	2.53	2.31	2.87
4	2.05	2.34	2.13	1.61	1.51	1.37	1.28	1.46	1.68	2.50	2.31	---
5	2.02	2.32	2.13	1.61	1.51	1.37	1.26	1.46	1.74	2.48	2.33	2.94
6	2.00	2.31	2.12	1.60	1.51	1.35	1.25	1.50	2.07	2.45	2.36	2.86
7	1.99	2.29	2.09	1.58	1.52	1.33	1.23	1.48	2.24	2.42	2.39	2.74
8	2.02	2.27	2.05	1.57	1.51	1.32	1.50	1.46	2.21	2.49	2.54	2.65
9	---	2.26	2.04	1.55	1.51	1.35	1.65	1.44	2.17	2.57	2.60	2.67
10	---	2.26	2.03	1.54	---	1.45	1.63	1.42	2.44	2.59	2.58	2.73
11	1.95	2.25	2.01	1.53	---	1.44	1.62	1.40	2.48	2.51	2.55	2.75
12	1.97	2.24	2.00	1.53	---	1.42	1.60	1.38	2.45	2.46	2.50	2.76
13	1.97	2.23	1.98	1.53	1.46	1.41	1.57	1.35	2.35	2.45	2.46	2.80
14	---	2.23	1.94	1.51	1.48	1.40	1.54	1.32	2.34	2.44	2.44	2.77
15	---	2.24	1.92	1.52	1.50	1.39	1.52	1.30	2.32	---	2.46	2.74
16	2.55	2.23	1.91	1.52	1.48	1.38	1.51	1.27	2.26	2.41	2.45	2.71
17	2.51	---	---	1.51	1.47	1.37	1.49	1.25	2.28	2.39	2.43	2.69
18	2.53	---	---	1.53	1.46	1.45	1.48	1.26	2.40	2.37	2.42	2.70
19	2.49	2.08	1.80	1.64	1.46	1.44	1.50	1.25	2.51	2.35	---	2.63
20	2.47	2.07	1.78	1.66	1.46	1.43	1.46	1.23	2.61	2.35	---	2.94
21	2.51	2.06	1.77	1.67	1.45	1.43	1.43	1.24	2.61	2.33	2.37	3.03
22	---	---	1.76	1.68	1.43	1.43	1.41	1.33	2.49	2.31	2.38	2.87
23	---	2.10	1.74	1.67	1.43	1.45	1.39	1.34	2.51	2.31	2.39	2.79
24	2.47	2.10	1.73	1.68	1.42	1.45	1.35	1.31	2.58	2.29	2.51	2.70
25	2.46	2.19	1.72	1.75	1.41	1.45	1.32	1.30	2.63	2.30	2.57	2.70
26	2.45	2.29	1.70	1.76	1.41	1.44	1.31	1.30	2.60	2.34	3.31	2.76
27	2.43	2.26	1.69	1.75	1.42	1.43	1.29	1.31	2.59	2.36	3.22	2.76
28	2.41	2.24	1.70	1.75	1.39	1.41	1.28	1.31	2.59	2.34	2.96	2.74
29	2.40	2.24	1.68	1.61	---	1.39	1.25	1.48	2.57	2.31	2.66	2.61
30	2.39	2.22	1.68	1.56	---	1.38	1.23	1.89	2.55	2.32	2.52	2.64
31	2.38	---	1.67	1.53	---	1.37	---	1.57	---	2.31	2.64	---
TOTAL	---	---	---	49.86	---	43.25	42.32	42.25	68.94	---	---	---
MEAN	---	---	---	1.61	---	1.40	1.41	1.36	2.30	---	---	---
MAX	---	---	---	1.76	---	1.45	1.65	1.89	2.63	---	---	---
MIN	---	---	---	1.51	---	1.30	1.23	1.18	1.51	---	---	---

02290769 CANAL 111 AT S-18-C, NEAR FLORIDA CITY, 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	118	140	38	-4.3	-9.9	15	-11	9.2	-18	95	277	1,510
2	81	112	32	-1.7	3.4	1.9	-7.0	-19	9.9	51	237	1,230
3	103	104	23	-11	29	-2.7	15	-27	10	20	259	1,400
4	79	103	23	-22	4.9	-7.2	12	1.9	0.99	44	309	e1,230
5	110	104	31	-8.6	6.2	4.0	26	6.3	74	151	240	1,210
6	84	117	39	-9.9	-18	10	-1.1	-9.5	448	204	194	1,050
7	11	97	24	18	-11	13	14	-43	575	210	219	935
8	30	100	32	20	-21	28	-17	-5.2	434	270	661	859
9	e83	92	48	2.2	-14	-9.8	-34	-2.2	328	538	740	661
10	e52	93	41	-12	e-22	12	-6.5	28	985	717	663	565
11	6.5	80	32	-1.3	e0.00	5.1	-19	1.6	1,100	440	528	592
12	6.2	78	25	9.3	e-6.7	15	4.1	-13	662	384	410	628
13	40	74	17	-5.1	1.3	8.0	-34	-81	452	369	335	625
14	e53	60	22	20	20	15	-39	10	416	371	338	557
15	e1,610	59	70	19	88	34	10	21	388	e344	429	515
16	1,220	53	35	8.9	59	31	3.7	-14	305	326	380	487
17	861	e54	e32	2.8	9.3	-35	-3.8	-92	445	341	383	444
18	612	e19	e5.9	23	44	3.4	-41	-56	657	318	360	664
19	491	31	13	27	2.4	0.00	-24	-44	772	320	e338	623
20	431	33	-0.31	29	63	-11	-23	-23	791	325	e321	682
21	439	49	2.0	29	26	14	-1.1	-8.2	529	275	331	1,060
22	e454	e58	16	34	49	34	8.6	-24	146	325	347	906
23	e357	62	1.3	21	40	-2.6	-31	-0.51	257	331	359	865
24	360	80	7.5	44	12	35	-2.0	-37	285	319	592	778
25	286	92	24	63	-4.0	2.5	2.6	-6.3	146	280	587	622
26	295	90	13	76	16	8.1	-40	-28	194	269	1,940	561
27	229	107	3.5	79	12	-8.4	-19	-14	292	258	2,250	583
28	193	83	-0.77	58	30	-21	-37	6.6	209	308	2,210	691
29	156	67	-7.8	14	---	-13	-4.6	103	113	288	2,120	755
30	158	63	12	18	---	20	7.6	214	87	284	1,900	706
31	136	---	14	35	---	1.9	---	-6.1	---	285	1,630	---
TOTAL	9,144.7	2,354	667.32	574.3	408.90	200.20	-291.5	-151.41	11,092.89	9,060	21,887	23,994
MEAN	295	78.5	21.5	18.5	14.6	6.46	-9.72	-4.88	370	292	706	800
MAX	1,610	140	70	79	88	35	26	214	1,100	717	2,250	1,510
MIN	6.2	19	-7.8	-22	-22	-35	-41	-92	-18	20	194	444
AC-FT	18,140	4,670	1,320	1,140	811	397	-578	-300	22,000	17,970	43,410	47,590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	336	169	82.0	70.5	74.0	62.7	42.3	57.3	278	206	330	416
MAX	958	771	517	486	884	965	529	262	1,097	764	1,477	1,001
(WY)	(1988)	(1988)	(1995)	(1995)	(1983)	(1983)	(1983)	(1995)	(1972)	(1986)	(1988)	(1983)
MIN	0.00	0.00	0.00	-2.01	-2.49	-8.61	-11.4	-17.9	-2.70	0.00	0.00	0.00
(WY)	(1975)	(1975)	(1971)	(2001)	(2001)	(2004)	(1999)	(2004)	(2004)	(1974)	(1974)	(1974)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	35,755.57		78,940.40			
ANNUAL MEAN	97.7		216		170	
HIGHEST ANNUAL MEAN					485	1983
LOWEST ANNUAL MEAN					4.42	1974
HIGHEST DAILY MEAN	1,610	Oct 15	2,250	Aug 27	2,940	Aug 16, 1988
LOWEST DAILY MEAN	-59	May 5	-92	May 17	-194	Jan 2, 1988
ANNUAL SEVEN-DAY MINIMUM	-30	May 15	-37	May 16	-92	Dec 29, 1987
ANNUAL RUNOFF (AC-FT)	70,920		156,600		123,400	
10 PERCENT EXCEEDS	367		659		602	
50 PERCENT EXCEEDS	16		44		5.9	
90 PERCENT EXCEEDS	-24		-11		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.

252043080302400 EVERGLADES 3 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'53", long 80°30'28", in sec.23, T.58 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, approximately 1.5 mi north-northeast of S-18-C and approximately 3.2 mi west of U.S. Highway 1 southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

REVISED RECORDS.--WDR FL-96-2A, 1994, 1995.

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

REMARKS.--Land surface is approximately 1.7 ft above National Geodetic Vertical Datum of 1929. Unpublished data prior to 1993 are available in files of the U.S. Geological Survey. Unit values prior to the 1993 water year were not available for review to determine maximum and minimum instantaneous gage height. Water levels below land-surface datum can be recorded.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.76 ft Oct. 16, 1999; minimum, 0.40 ft May 17, 1991.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 3.55 ft Aug. 27; minimum 1.32 ft May 1.

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	2.38	2.45	2.22	1.96	1.80	1.71	1.60	1.32	1.91	2.70	2.36	3.18
2	2.39	2.44	2.22	1.94	1.79	1.68	1.58	1.35	1.97	2.71	2.37	3.12
3	2.37	2.42	2.21	1.93	1.78	1.66	1.55	1.54	2.07	2.70	2.42	3.14
4	2.35	2.41	2.20	1.92	1.80	1.76	1.51	1.76	2.14	2.66	2.39	3.16
5	2.34	2.39	2.20	1.90	1.80	1.77	1.48	1.81	2.17	2.62	2.40	3.23
6	2.32	2.38	2.19	1.90	1.79	1.75	1.44	1.86	2.17	2.58	2.43	3.19
7	2.31	2.36	2.19	1.89	1.78	1.73	1.41	1.85	2.18	2.55	2.48	3.13
8	2.29	2.34	2.18	1.87	1.77	1.72	1.78	1.84	2.19	2.55	2.52	3.06
9	2.27	2.33	2.18	1.86	1.77	1.75	1.94	1.82	2.18	2.62	2.51	2.99
10	2.26	2.32	2.18	1.84	1.75	1.83	1.93	1.78	2.34	2.64	2.51	2.94
11	2.24	2.31	2.17	1.82	1.74	1.82	1.91	1.74	2.45	2.64	2.51	2.93
12	2.27	2.30	2.16	1.81	1.73	1.81	1.89	1.71	2.47	2.60	2.51	2.96
13	2.28	2.29	2.15	1.79	1.72	1.79	1.87	1.67	2.45	2.57	2.51	3.00
14	2.26	2.29	2.14	1.80	1.71	1.78	1.85	1.63	2.43	2.54	2.49	2.95
15	2.50	2.30	2.12	1.85	1.71	1.77	1.81	1.59	2.40	2.52	2.47	2.91
16	2.62	2.28	2.11	1.88	1.71	1.75	1.77	1.56	2.37	2.49	2.45	2.87
17	2.62	2.26	2.11	1.89	1.71	1.76	1.73	1.53	2.39	2.46	2.46	2.83
18	2.61	2.26	2.12	1.89	1.71	1.87	1.68	1.53	2.43	2.43	2.47	2.81
19	2.60	2.26	2.11	1.89	1.71	1.87	1.63	1.50	2.45	2.40	2.45	2.78
20	2.60	2.26	2.10	1.88	1.70	1.87	1.60	1.47	2.59	2.39	2.43	2.95
21	2.65	2.26	2.09	1.88	1.70	1.87	1.58	1.56	2.71	2.37	2.42	3.18
22	2.63	2.26	2.08	1.87	1.69	1.86	1.57	1.76	2.73	2.35	2.42	3.16
23	2.61	2.26	2.07	1.87	1.69	1.86	1.54	1.78	2.81	2.34	2.41	3.11
24	2.60	2.26	2.07	1.86	1.68	1.85	1.50	1.77	2.84	2.33	2.45	3.03
25	2.58	2.26	2.06	1.85	1.68	1.84	1.46	1.76	2.80	2.37	2.54	2.96
26	2.56	2.25	2.05	1.85	1.68	1.82	1.44	1.79	2.78	2.39	3.26	2.92
27	2.54	2.25	2.03	1.84	1.69	1.79	1.43	1.84	2.76	2.40	3.55	2.91
28	2.52	2.24	2.02	1.84	1.70	1.77	1.42	1.83	2.75	2.40	3.52	2.93
29	2.50	2.23	2.01	1.84	---	1.74	1.37	1.84	2.74	2.38	3.45	2.90
30	2.48	2.22	1.99	1.83	---	1.69	1.34	1.88	2.71	2.39	3.34	2.87
31	2.46	---	1.97	1.82	---	1.64	---	1.91	---	2.38	3.26	---
TOTAL	76.01	69.14	65.70	57.86	48.49	55.18	48.61	52.58	73.38	77.47	81.76	90.10
MEAN	2.45	2.30	2.12	1.87	1.73	1.78	1.62	1.70	2.45	2.50	2.64	3.00
MAX	2.65	2.45	2.22	1.96	1.80	1.87	1.94	1.91	2.84	2.71	3.55	3.23
MIN	2.24	2.22	1.97	1.79	1.68	1.64	1.34	1.32	1.91	2.33	2.36	2.78

252036080324300 EVERGLADES 4 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'19", long 80°32'47", in sec.30, T.58 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, approximately 1.3 mi northwest of S-18-C and approximately 1.8 mi east of Aerojet Road.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 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 2.4 ft above National Geodetic Vertical Datum of 1929. Gage is capable of recording water levels below land-surface datum. Unpublished data prior to 1993 water year are available in the files of the U.S. Geological Survey. Unit value data prior to 1993 water year were not available for review to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.58 ft Oct. 16, 1999; minimum, indeterminate, well was dry during many years.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 3.24 ft Aug. 27; minimum, 1.12 ft May 1.

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	2.21	2.34	2.14	1.88	1.71	1.51	1.38	1.12	1.68	2.53	2.26	2.92
2	2.21	2.33	2.14	1.87	1.69	1.45	1.37	1.23	1.81	2.53	2.25	2.91
3	2.19	2.32	2.13	1.85	1.71	1.43	1.33	1.62	2.01	2.52	2.27	2.94
4	2.18	2.31	2.12	1.84	1.74	1.68	1.29	1.95	2.03	2.50	2.25	3.01
5	2.16	2.29	2.11	1.83	1.72	1.62	1.25	1.89	2.02	2.47	2.26	3.08
6	2.14	2.29	2.11	1.83	1.69	1.55	1.21	1.95	2.01	2.44	2.31	3.01
7	2.13	2.28	2.11	1.81	1.67	1.52	1.18	1.85	2.04	2.42	2.36	2.95
8	2.12	2.27	2.10	1.79	1.66	1.51	1.84	1.76	2.03	2.42	2.38	2.90
9	2.11	2.26	2.10	1.77	1.64	1.59	2.08	1.68	2.02	2.49	2.36	2.86
10	2.10	2.23	2.10	1.76	1.62	1.80	1.99	1.60	2.25	2.50	2.35	2.80
11	2.09	2.22	2.10	1.74	1.59	1.70	1.91	1.52	2.34	2.50	2.36	2.77
12	2.20	2.21	2.08	1.73	1.57	1.63	1.85	1.47	2.32	2.47	2.35	2.79
13	2.23	2.20	2.07	1.72	1.56	1.58	1.80	1.41	2.29	2.44	2.36	2.85
14	2.22	2.20	2.07	1.80	1.55	1.56	1.74	1.35	2.26	2.41	2.35	2.79
15	2.52	2.21	2.04	1.97	1.54	1.54	1.68	1.32	2.23	2.37	2.34	2.75
16	2.61	2.19	2.02	1.97	1.54	1.52	1.62	1.28	2.20	2.35	2.33	2.71
17	2.56	2.18	2.02	1.93	1.53	1.59	1.56	1.25	2.20	2.32	2.33	2.69
18	2.52	2.17	2.03	1.89	1.53	1.89	1.51	1.23	2.21	2.30	2.34	2.67
19	2.49	2.16	2.03	1.87	1.52	1.80	1.46	1.19	2.20	2.28	2.33	2.65
20	2.47	2.15	2.02	1.85	1.51	1.75	1.43	1.16	2.31	2.27	2.32	2.85
21	2.51	2.16	2.01	1.84	1.50	1.71	1.41	1.33	2.44	2.26	2.31	3.17
22	2.49	2.16	2.00	1.83	1.49	1.68	1.39	1.60	2.49	2.25	2.31	3.09
23	2.47	2.17	2.00	1.82	1.49	1.66	1.36	1.55	2.58	2.25	2.32	3.02
24	2.46	2.20	2.00	1.80	1.48	1.65	1.30	1.49	2.59	2.25	2.35	2.95
25	2.43	2.21	1.99	1.79	1.48	1.62	1.26	1.45	2.57	2.30	2.40	2.90
26	2.41	2.20	1.98	1.78	1.48	1.58	1.24	1.70	2.55	2.38	2.96	2.87
27	2.40	2.19	1.95	1.77	1.49	1.55	1.25	1.88	2.54	2.44	3.24	2.87
28	2.38	2.19	1.94	1.77	1.53	1.52	1.22	1.70	2.56	2.37	3.22	2.92
29	2.37	2.17	1.93	1.77	---	1.49	1.17	1.65	2.56	2.32	3.14	2.88
30	2.35	2.15	1.91	1.75	---	1.46	1.13	1.75	2.54	2.31	3.04	2.87
31	2.35	---	1.90	1.73	---	1.43	---	1.70	---	2.29	2.97	---
TOTAL	72.08	66.61	63.25	56.35	44.23	49.57	44.21	47.63	67.88	73.95	76.72	86.44
MEAN	2.33	2.22	2.04	1.82	1.58	1.60	1.47	1.54	2.26	2.39	2.47	2.88
MAX	2.61	2.34	2.14	1.97	1.74	1.89	2.08	1.95	2.59	2.53	3.24	3.17
MIN	2.09	2.15	1.90	1.72	1.48	1.43	1.13	1.12	1.68	2.25	2.25	2.65

251946080254800 EVERGLADES 1 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°19'50", long 80°26'06", in NE ¼ sec.4, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, approximately 1 mi east of U.S. Highway 1, 1.3 mi west-southwest of Levee 31-E, east of S-18-C, southeast of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Land surface is approximately 1.1 ft above National Geodetic Vertical Datum of 1929. Data prior to 1993 water year are available in files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available for review to determine maximum and minimum instantaneous gage height. Water levels below land-surface datum can be recorded.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.26 ft Nov. 15, 1994; minimum, 0.05 ft May 18, 19, 2002. Maximum instantaneous gage height recorded for the effects of Hurricane Rita, 30.30 ft Sept. 20, 2005.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.82 ft Sept. 21; minimum, 0.92 ft Apr. 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	1.70	1.74	1.59	1.43	1.29	1.12	1.03	1.04	1.36	1.82	1.72	2.02
2	1.69	1.71	1.58	1.42	1.29	1.09	1.01	1.03	1.41	1.80	1.70	2.00
3	1.65	1.69	1.58	1.41	1.29	1.07	1.00	1.10	1.53	1.79	1.69	2.08
4	1.63	1.68	1.57	1.41	1.31	1.20	0.96	1.30	1.60	1.78	1.68	2.07
5	1.62	1.67	1.57	1.40	1.31	1.20	0.94	1.31	1.61	1.76	1.70	2.13
6	1.61	1.67	1.56	1.41	1.31	1.18	0.92	1.35	1.61	1.74	1.74	2.06
7	1.60	1.66	1.56	1.40	1.33	1.16	0.93	1.35	1.58	1.73	1.75	2.01
8	1.65	1.66	1.55	1.39	1.47	1.15	1.34	1.34	1.55	1.73	1.74	1.98
9	1.64	1.65	1.56	1.38	1.53	1.20	1.56	1.32	1.54	1.82	1.72	1.96
10	1.63	1.67	1.55	1.37	1.51	1.35	1.53	1.29	1.71	1.84	1.72	1.94
11	1.61	1.85	1.55	1.36	1.47	1.34	1.50	1.25	1.80	1.82	1.72	1.97
12	1.64	1.79	1.55	1.35	1.43	1.33	1.47	1.21	1.74	1.79	1.71	2.01
13	1.64	1.72	1.54	1.34	1.41	1.31	1.45	1.18	1.70	1.77	1.71	2.00
14	1.62	1.69	1.53	1.33	1.39	1.30	1.42	1.15	1.68	1.76	1.71	1.97
15	1.75	1.69	1.52	1.35	1.37	1.27	1.41	1.12	1.66	1.74	1.71	1.95
16	1.77	1.80	1.52	1.35	1.36	1.24	1.39	1.09	1.65	1.73	1.71	1.92
17	1.72	1.76	1.51	1.35	1.35	1.22	1.38	1.07	1.64	1.71	1.70	1.90
18	1.70	1.70	1.52	1.34	1.33	1.32	1.37	1.06	1.65	1.70	1.70	1.90
19	1.68	1.67	1.52	1.33	1.32	1.32	1.35	1.09	1.71	1.69	1.69	1.96
20	1.73	1.65	1.51	1.33	1.30	1.30	1.34	1.10	1.85	1.67	1.68	2.64
21	1.87	1.63	1.50	1.32	1.27	---	1.33	1.17	1.91	1.67	1.69	2.82
22	1.82	1.62	1.50	1.32	1.24	1.28	1.31	1.34	1.90	1.66	1.70	2.38
23	1.79	1.62	1.49	1.31	1.21	1.26	1.29	1.39	1.95	1.66	1.72	2.21
24	1.79	1.61	1.49	1.31	1.19	1.23	1.25	1.39	1.97	1.65	1.75	2.09
25	1.79	1.61	1.48	1.30	1.17	1.20	1.22	1.37	1.93	1.64	1.82	2.01
26	1.83	1.61	1.48	1.29	1.16	1.17	1.19	1.36	1.90	1.66	2.42	1.99
27	1.89	1.60	1.47	1.29	1.15	1.15	1.17	1.34	1.89	1.73	2.37	1.97
28	1.89	1.60	1.46	1.29	1.13	1.13	1.15	1.32	1.88	1.74	2.25	1.95
29	1.85	1.59	1.45	1.29	---	1.10	1.12	1.34	1.86	1.72	2.17	1.93
30	1.80	1.59	1.44	1.29	---	1.07	1.08	1.38	1.84	1.76	2.11	1.91
31	1.76	---	1.44	1.29	---	1.05	---	1.37	---	1.75	2.04	---
TOTAL	53.36	50.20	47.14	41.75	36.89	---	37.41	38.52	51.61	53.83	56.24	61.73
MEAN	1.72	1.67	1.52	1.35	1.32	---	1.25	1.24	1.72	1.74	1.81	2.06
MAX	1.89	1.85	1.59	1.43	1.53	---	1.56	1.39	1.97	1.84	2.42	2.82
MIN	1.60	1.59	1.44	1.29	1.13	---	0.92	1.03	1.36	1.64	1.68	1.90

251906080283400 EVERGLADES 2A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°18'57", long 80°28'41", in sec.7, T.59 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, in C-111 basin between C-109 and C-110 Canals, 1.6 mi west of U.S. Highway 1 and 1.5 mi north of C-111 Canal, approximately 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 25, 1985 to current year.

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

REMARKS.--Land surface is approximately 1.2 ft above National Geodetic Vertical Datum of 1929. Water levels below land-surface datum are recorded. Gage height records prior to October 1992, are available in the files of the U.S. Geological Survey. Water year 2000 was revised. Revised data is available in the files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.60 ft Oct. 15, 1999, (estimated); minimum, 0.03 ft May 18, 19, 2002.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 3.35 ft Aug. 27; minimum, 1.20 ft Apr. 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	2.26	2.34	2.10	1.68	1.51	1.37	1.33	1.26	1.45	2.58	2.31	2.98
2	2.24	2.33	2.09	1.67	1.50	1.35	1.32	1.24	1.51	2.57	2.31	2.94
3	2.21	2.32	2.09	1.66	1.50	1.34	1.30	1.30	1.63	2.55	2.33	2.97
4	2.17	2.31	2.07	1.64	1.51	1.38	1.27	1.43	1.69	2.53	2.30	2.95
5	2.13	2.29	2.07	1.63	1.50	1.38	1.25	1.43	1.73	2.50	2.32	3.03
6	2.10	2.28	2.06	1.63	1.49	1.37	1.22	1.46	1.77	2.47	2.38	3.00
7	2.08	2.27	2.05	1.62	1.48	1.36	1.20	1.46	1.82	2.44	2.42	2.93
8	2.11	2.25	2.04	1.60	1.48	1.36	1.48	1.45	1.86	2.46	2.48	2.86
9	2.08	2.24	2.03	1.59	1.48	1.38	1.64	1.44	1.91	2.54	2.48	2.81
10	2.05	2.23	2.02	1.57	1.48	1.45	1.64	1.43	2.12	2.54	2.48	2.78
11	2.03	2.21	2.00	1.56	1.47	1.45	1.63	1.42	2.25	2.54	2.48	2.78
12	2.06	2.21	1.98	1.55	1.46	1.44	1.63	1.40	2.28	2.50	2.48	2.81
13	2.06	2.20	1.97	1.54	1.46	1.44	1.62	1.39	2.29	2.47	2.47	2.84
14	2.03	2.20	1.95	1.53	1.46	1.43	1.60	1.37	2.29	2.45	2.45	2.82
15	2.16	2.20	1.93	1.54	1.45	1.42	1.58	1.35	2.28	2.43	2.43	2.79
16	2.26	2.19	1.92	1.54	1.45	1.42	1.57	1.33	2.27	2.41	2.42	2.75
17	2.29	2.17	1.90	1.53	1.44	1.42	1.55	1.30	2.25	2.38	2.40	2.72
18	2.32	2.16	1.90	1.51	1.44	1.46	1.53	1.28	2.27	2.36	2.38	2.69
19	2.34	2.13	1.88	1.51	1.43	1.45	1.52	1.27	2.34	2.35	2.36	2.66
20	2.37	2.11	1.86	1.51	1.42	1.45	1.50	1.25	2.51	2.33	2.35	2.82
21	2.44	2.08	1.84	1.51	1.42	1.44	1.48	1.27	2.63	2.32	2.34	3.02
22	2.45	2.07	1.82	1.51	1.41	1.44	1.47	1.33	2.65	2.30	2.34	3.00
23	2.45	2.06	1.80	1.52	1.40	1.43	1.45	1.33	2.74	2.29	2.35	2.95
24	2.45	2.06	1.79	1.51	1.40	1.43	1.42	1.33	2.76	2.28	2.39	2.88
25	2.44	2.06	1.78	1.52	1.39	1.42	1.40	1.33	2.72	2.30	2.49	2.82
26	2.43	2.07	1.77	1.52	1.38	1.41	1.38	1.32	2.68	2.35	3.22	2.80
27	2.42	2.09	1.75	1.52	1.38	1.40	1.36	1.32	2.66	2.38	3.35	2.78
28	2.40	2.10	1.73	1.54	1.38	1.39	1.34	1.32	2.66	2.36	3.27	2.78
29	2.38	2.10	1.72	1.54	---	1.38	1.32	1.41	2.63	2.33	3.18	2.73
30	2.37	2.10	1.71	1.53	---	1.36	1.29	1.42	2.60	2.34	3.08	2.69
31	2.35	---	1.70	1.52	---	1.35	---	1.44	---	2.33	3.02	---
TOTAL	69.93	65.43	59.32	48.35	40.57	43.57	43.29	42.08	67.25	74.98	79.06	85.38
MEAN	2.26	2.18	1.91	1.56	1.45	1.41	1.44	1.36	2.24	2.42	2.55	2.85
MAX	2.45	2.34	2.10	1.68	1.51	1.46	1.64	1.46	2.76	2.58	3.35	3.03
MIN	2.03	2.06	1.70	1.51	1.38	1.34	1.20	1.24	1.45	2.28	2.30	2.66

251816080232200 CARD SOUND CANAL NEAR HOMESTEAD, FL

LOCATION.--Lat 25°18'16", long 80°23'22", T.59 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 1 mi upstream of the mouth, approximately 12 mi northeast of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite data collection platform with acoustic Doppler velocity meter and acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good except for the following periods: Oct. 1 to Nov. 29, Mar. 14-30, rated poor. Daily values are not published for this site. Rainfall data not published, but available in the files of the U.S. Geological Survey. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 853 ft^3/s Sept. 21, 2005; maximum negative, 887 ft^3/s Sept. 20, 2005.
GAGE HEIGHT: Maximum gage height, 1.99 ft Sept. 20, 2005; minimum, -1.58 ft Mar. 28, 2005.

EXTREMES FOR FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 853 ft^3/s Sept. 21; maximum negative, 887 ft^3/s Sept. 20.
GAGE HEIGHT: Maximum gage height, 1.99 ft Sept. 20; minimum, -1.58 ft Mar. 28.

WATER-QUALITY RECORDS

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

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

REMARKS.--Salinity (TOP AND BOTTOM) record rated excellent. Temperature (TOP AND BOTTOM) record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensors located at -1.99 ft NAVD 88 (TOP) and -3.02 ft NAVD 88 (BOTTOM). Daily values are not published for this site. Salinity and temperature 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 40.7 ppt June 6, 2004; minimum recorded, 0.5 ppt Aug. 27, 2005.
SALINITY (BOTTOM): Maximum recorded, 42.0 ppt July 15, 2004; minimum recorded, 0.3 ppt Feb. 27, 2004.
WATER TEMPERATURE (TOP): Maximum recorded, 38.2°C July 11, 2004; minimum recorded, 14.1°C Feb. 12, 2005.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 38.4°C July 11, 2004; minimum recorded, 14.4°C Feb. 12, 2005.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 38.6 ppt May 18; minimum recorded, 0.5 ppt Aug. 27.
SALINITY (BOTTOM): Maximum recorded, 38.7 ppt May 18, 19; minimum recorded, 0.5 ppt Aug. 27.
WATER TEMPERATURE (TOP): Maximum recorded, 36.8°C Aug. 16; minimum recorded, 13.9°C Feb. 12.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.3°C Aug. 16; minimum recorded, 14.4°C Feb. 12.

251740080311200 C-111 WETLAND NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'40", long 80°31'12" Miami-Dade County, Hydrologic Unit 03090202.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

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

GAGE.--Satellite data collection platform with shallow-vented pressure transducer. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--During periods in the dry season, water level too low or non-existent for sensor to record. Records good. Daily values are not published for this site. Gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 1.78 ft Aug. 27, 2005; minimum, 0.17 ft Dec. 12, 2004.

EXTREMES FOR FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 1.78 ft Aug. 27; minimum, 0.17 ft Dec. 12.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: October 2003 to current year.
WATER TEMPERATURE: October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 0.40 ppt July 31, 2004; minimum recorded, 0.03 ppt Mar. 15, 2004 and Aug. 25, 2005.
WATER TEMPERATURE: Maximum recorded, 38.1°C Aug. 17, 2005; minimum recorded, 10.6°C Dec. 21, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 0.37 ppt June 9; minimum recorded, 0.03 ppt Aug. 25.
WATER TEMPERATURE: Maximum recorded, 38.1°C Aug. 17; minimum recorded, 16.4°C Dec. 12.

251716080342100 EVERGLADES 5A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'10", long 80°34'22", in SW $^1/_4$ sec.18, T.59 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of Levee 31 canal and 7 mi west of U.S. Highway 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

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

REMARKS.--Land surface is approximately 1.1 ft above National Geodetic Vertical Datum of 1929. Unpublished data prior to 1993 water year are available in files of the U.S. Geological Survey. Unit values prior to 1993 water year were not available for review to determine instantaneous maximum and minimum gage height. Water levels below land-surface datum are recorded.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.06 ft Oct. 16, 1999; minimum, -0.98 ft May 19, 2002. Maximum instantaneous gage height recorded for Hurricane Katrina, 3.20 ft Aug. 27, 2005.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.99 ft Aug 27; minimum, 0.23 ft May 20.

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	1.68	1.40	1.18	0.94	0.77	0.65	0.50	0.43	0.82	1.62	1.27	2.16
2	1.60	1.40	1.16	0.92	0.75	0.61	0.48	0.43	0.90	1.60	1.28	2.16
3	1.52	1.40	1.16	0.91	0.75	0.59	0.45	0.46	1.06	1.58	1.32	2.15
4	1.44	1.38	1.14	0.90	0.77	0.76	0.41	0.48	1.10	1.54	1.29	2.14
5	1.38	1.37	1.13	0.90	0.76	0.75	0.38	0.57	1.11	1.51	1.30	2.21
6	1.32	1.36	1.12	0.89	0.74	0.72	0.34	0.75	1.09	1.48	1.34	2.14
7	1.30	1.34	1.12	0.88	0.72	0.70	0.32	0.71	1.09	1.45	1.37	2.07
8	1.30	1.31	1.11	0.87	0.71	0.69	0.88	0.68	1.07	1.46	1.50	2.01
9	1.26	1.29	1.10	0.86	0.70	0.74	1.14	0.63	1.04	1.59	1.48	1.96
10	1.23	1.27	1.09	0.85	0.68	0.89	1.11	0.58	1.21	1.64	1.43	1.90
11	1.20	1.25	1.08	0.84	0.66	0.86	1.08	0.54	1.31	1.60	1.40	1.86
12	1.27	1.24	1.07	0.82	0.65	0.83	1.06	0.50	1.29	1.55	1.37	1.86
13	1.33	1.23	1.06	0.81	0.64	0.81	1.03	0.46	1.25	1.52	1.36	1.90
14	1.35	1.24	1.05	0.83	0.64	0.79	1.00	0.41	1.22	1.54	1.34	1.86
15	1.58	1.26	1.03	0.92	0.65	0.77	0.97	0.37	1.19	1.52	1.32	1.81
16	1.69	1.24	1.01	0.97	0.67	0.75	0.94	0.33	1.16	1.47	1.29	1.79
17	1.66	1.23	1.01	0.96	0.68	0.76	0.91	0.29	1.17	1.43	1.27	1.83
18	1.61	1.22	1.01	0.95	0.69	0.90	0.89	0.31	1.22	1.39	1.25	1.80
19	1.58	1.20	1.01	0.93	0.69	0.87	0.86	0.26	1.26	1.37	1.24	1.75
20	1.55	1.19	1.00	0.92	0.68	0.84	0.83	0.23	1.47	1.35	1.23	1.93
21	1.56	1.18	0.99	0.91	0.67	0.82	0.80	0.48	1.55	1.33	1.23	2.46
22	1.54	1.17	0.98	0.90	0.66	0.80	0.78	0.97	1.65	1.31	1.26	2.37
23	1.51	1.16	0.98	0.90	0.66	0.79	0.76	1.07	1.82	1.30	1.33	2.26
24	1.50	1.17	0.99	0.89	0.65	0.77	0.72	1.04	1.76	1.28	1.35	2.16
25	1.48	1.19	0.99	0.87	0.65	0.74	0.68	1.00	1.69	1.27	1.41	2.07
26	1.47	1.20	0.98	0.86	0.65	0.71	0.64	0.96	1.64	1.28	2.54	2.00
27	1.45	1.21	0.96	0.85	0.67	0.68	0.61	0.93	1.64	1.32	2.99	1.97
28	1.44	1.21	0.95	0.84	0.67	0.65	0.58	0.89	1.66	1.33	2.70	2.01
29	1.43	1.20	0.95	0.82	---	0.60	0.53	0.86	1.65	1.33	2.50	1.98
30	1.42	1.19	0.95	0.80	---	0.57	0.48	0.83	1.63	1.32	2.36	2.04
31	1.40	---	0.94	0.78	---	0.54	---	0.81	---	1.30	2.23	---
TOTAL	45.05	37.70	32.30	27.29	19.28	22.95	22.16	19.26	39.72	44.58	48.55	60.61
MEAN	1.45	1.26	1.04	0.88	0.69	0.74	0.74	0.62	1.32	1.44	1.57	2.02
MAX	1.69	1.40	1.18	0.97	0.77	0.90	1.14	1.07	1.82	1.64	2.99	2.46
MIN	1.20	1.16	0.94	0.78	0.64	0.54	0.32	0.23	0.82	1.27	1.23	1.75

251724080341400 EVERGLADES 5B IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'14", long 80°34'08", in SW $\frac{1}{4}$ sec.18, T.59 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of Levee 31 canal and 7 mi west of U.S. Highway 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Land surface is approximately 1.1 ft above National Geodetic Vertical Datum of 1929. Water levels below land-surface datum are not able to be recorded. Unpublished data prior to 1993 water year are available in the files of the U.S. Geological Survey. Unit values data prior to 1993 water year was not available to determine instantaneous maximum and minimum gage height.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.10 ft Oct. 16, 1999; minimum, indeterminate. Maximum instantaneous gage height recorded for Hurricane Katrina, 3.14 ft Aug. 27, 2005.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.93 ft Aug. 27; minimum, indeterminate, well was dry for many days.

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	---	1.42	1.23	---	---	---	---	---	---	---	---	2.12
2	---	1.42	1.22	---	---	---	---	---	---	---	---	2.12
3	---	1.41	1.22	---	---	---	---	---	---	---	---	2.12
4	---	1.40	1.21	---	---	---	---	---	---	---	---	2.11
5	---	1.39	1.21	---	---	---	---	---	---	---	---	2.19
6	---	1.38	1.20	---	---	---	---	---	---	---	---	2.12
7	---	1.36	1.20	---	---	---	---	---	---	---	---	2.05
8	---	1.35	1.19	---	---	---	---	---	---	---	---	1.99
9	---	1.33	1.19	---	---	---	---	---	---	---	---	1.94
10	---	1.32	---	---	---	---	---	---	---	---	---	1.89
11	---	1.31	---	---	---	---	---	---	---	---	---	1.85
12	---	1.30	---	---	---	---	---	---	---	---	---	1.88
13	---	1.30	---	---	---	---	---	---	---	---	---	2.03
14	---	1.30	---	---	---	---	---	---	---	---	---	1.99
15	1.57	1.31	---	---	---	---	---	---	---	---	---	1.94
16	1.68	1.30	---	---	---	---	---	---	---	---	---	1.91
17	1.65	1.29	---	---	---	---	---	---	---	---	---	1.91
18	1.62	1.28	---	---	---	---	---	---	---	---	1.40	1.88
19	1.59	1.27	---	---	---	---	---	---	---	---	1.39	1.83
20	1.56	1.26	---	---	---	---	---	---	---	---	1.39	2.03
21	1.56	1.25	---	---	---	---	---	---	---	---	1.39	2.54
22	1.54	1.25	---	---	---	---	---	---	---	---	1.39	2.43
23	1.52	1.24	---	---	---	---	---	---	---	---	1.37	2.31
24	1.51	1.24	---	---	---	---	---	---	---	---	1.36	2.22
25	1.50	1.26	---	---	---	---	---	---	---	---	1.40	2.13
26	1.48	1.26	---	---	---	---	---	---	---	---	2.47	2.07
27	1.47	1.25	---	---	---	---	---	---	---	---	2.93	2.05
28	1.46	1.25	---	---	---	---	---	---	---	---	2.66	2.10
29	1.45	1.24	---	---	---	---	---	---	---	---	2.47	2.07
30	1.44	1.23	---	---	---	---	---	---	---	---	2.32	2.11
31	1.42	---	---	---	---	---	---	---	---	---	2.19	---
TOTAL	---	39.17	---	---	---	---	---	---	---	---	---	61.93
MEAN	---	1.31	---	---	---	---	---	---	---	---	---	2.06
MAX	---	1.42	---	---	---	---	---	---	---	---	---	2.54
MIN	---	1.23	---	---	---	---	---	---	---	---	---	1.83

251549080251200 MANATEE BAY CREEK NEAR HOMESTEAD, FL

LOCATION.--Lat 25°15'49", long 80°25'12", T.59, S., R.39, Miami-Dade County, Hydrologic Unit 03090202, located approximately 300 ft upstream of mouth, 9.5 mi north of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Satellite data collection platform with acoustic stage transducer, acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge 1060 ft^3/s Sept. 10, 2005; maximum negative, 1150 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 2.27 ft Sept. 20, 2005; minimum, -1.65 ft Mar. 28, 2005.

EXTREMES FOR FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge 1060 ft^3/s Sept. 10; maximum negative, 1150 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 2.27 ft Sept. 20; minimum, -1.65 ft Mar. 28.

WATER-QUALITY RECORDS

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

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

REMARKS.--Salinity (TOP AND BOTTOM) record rated excellent. Temperature (TOP AND BOTTOM) records rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 44.7 ppt July 18, 2004; minimum recorded, 0.1 ppt Sept. 5, 2004.
SALINITY (BOTTOM): Maximum recorded, 44.6 ppt July 18, 19, 2004; minimum recorded, 2.4 ppt Aug. 31, 2005 and Sept. 1, 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 36.4°C July 29, 2005 and Aug. 4, 2005; minimum recorded, 13.2°C Dec. 21, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.2°C Aug. 4, 2005; minimum recorded, 13.3°C Dec. 21, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 41.4 ppt May 31; minimum recorded, 1.5 ppt Aug. 29.
SALINITY (BOTTOM): Maximum recorded, 41.4 ppt May 23; minimum recorded, 2.4 Aug. 31, Sept. 1.
WATER TEMPERATURE (TOP): Maximum recorded, 36.4°C July 29, Aug. 4; minimum recorded, 14.8°C Dec. 21, Jan. 24, 25.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.2°C Aug. 4; minimum recorded, 14.7°C Jan. 25.

251457080395800 TAYLOR SLOUGH WETLAND AT E146 NEAR HOMESTEAD, FL

LOCATION.--Lat 25°14'57", long 80°39'58", Miami-Dade County, Hydrologic Unit 03090202, approximately 13 mi southwest of Pine Island in Taylor Slough of Everglades National Park.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

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

GAGE.--Satellite data collection platform with water-stage pressure sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records rated good. During the dry season this site normally dries out. Daily values are not published for this site. During periods of missing record values may be higher or lower than the listed extremes. Gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 1.46 ft Aug. 27, 2005; minimum, -0.42 ft Mar. 8, 9, 2004 (last recorded gage height before wetland went dry).

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 1.46 ft Aug. 27; minimum, -0.37 ft Dec. 12, 13 (last recorded gage height before wetland went dry).

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: October 2003 to current year.
WATER TEMPERATURE: October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor near the bottom.

REMARKS.--Specific conductance record rated good. Temperature record rated good. Daily values are not published for this site. During periods of missing record values may be higher or lower than the listed extremes. Specific conductance and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 605 microsiemens Aug. 4, 2004; minimum recorded, 121 microsiemens Sept. 20, 2005.
WATER TEMPERATURE: Maximum recorded, 36.8°C July 23, 2005; minimum recorded, 10.7°C Dec. 21, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 482 microsiemens June 18; minimum recorded, 121 microsiemens Sept. 20.
WATER TEMPERATURE: Maximum recorded, 36.8°C July 23; minimum recorded, 15.9°C Dec. 13.

251440080262800 EAST HIGHWAY CREEK NEAR KEY LARGO, FL

LOCATION.--Lat 25°14'40", long 80°26'28", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 100 ft upstream of the mouth on the left bank, approximately 5 mi, northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 2001 to current year.

GAGE.--Acoustic Doppler velocity meter with up-looking acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 486 ft^3/s June 24, 2002; maximum negative, 415 ft^3/s Sept. 22, 2002.
GAGE HEIGHT: Maximum gage height, 1.77 ft (estimated) Aug. 26, 2005; minimum, -1.50 ft Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 400 ft^3/s Sept. 2; maximum negative, 395 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.77 ft (estimated) Aug. 26; minimum, -1.25 ft Dec. 15.

251438080333500 JOE BAY 5C NEAR KEY LARGO, FL

LOCATION.--Lat 25°14'38", long 80°33'35", T.60 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 150 ft upstream of the mouth on the right bank, approximately 6 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to June 2003 (gage heights and discharge), November 2004 to current year (gage heights only).

GAGE.--Water-stage pressure sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88). Prior to June 6, 2003, acoustic Doppler velocity meter and acoustic stage sensor.

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 148 ft^3/s Nov. 5, 2001; maximum negative, 83 ft^3/s Apr. 26, 2003.
GAGE HEIGHT: Maximum gage height, 2.11 ft Aug. 26, 2005; minimum, -1.70 ft Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 2.11 ft Aug. 26; minimum, -1.70 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: July 1999 to current year.
WATER TEMPERATURE: July 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated excellent except for the following periods: Nov. 15-30, Dec. 3 to Jan. 5, Mar. 30 to Apr. 21, rated good; Apr. 22-25, rated fair. During periods of missing record, values may be higher or lower than the listed extremes. The salinity and temperature sensor is located at the elevation of -2.71 ft NAVD 88. Daily values are not published for this site. Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 47.1 ppt May 20, 2005; minimum recorded, 0.2 ppt occurred on many days during the months of July to Oct. in water years 1999, 2000, 2002, 2003, 2004, and 2005.
WATER TEMPERATURE: Maximum recorded, 39.0°C Aug. 29, 2004; minimum recorded, 9.5°C Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 47.1 ppt May 20; minimum recorded, 0.2 ppt Sept. 23-27.
WATER TEMPERATURE: Maximum recorded, 38.6°C July 22; minimum recorded, 11.2°C Dec. 15.

251433080265000 WEST HIGHWAY CREEK, FL

LOCATION.--Lat 25°14'33", long 80°26'50", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 150 ft upstream of the mouth on the right bank, approximately 6 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1996 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 683 ft^3/s June 22, 2005; maximum negative, 1,050 ft^3/s Oct. 15, 1999.
GAGE HEIGHT: Maximum gage height, 1.86 ft Oct. 16, 1999; minimum, -1.64 ft Mar. 30, 1996.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 683 ft^3/s June 22; maximum negative, 829 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.82 ft Aug. 26; minimum, -1.26 ft Feb. 23.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): February 1996 to current year.
WATER TEMPERATURE (TOP, BOTTOM): February 1996 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except for the following periods: Mar. 13-23, May 25, 26, rated good. Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at -1.85 ft NAVD 88 (TOP) and -3.75 ft NAVD 88 (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 42.4 ppt May 31, June 1, 2005; minimum recorded, 0.2 ppt occurred on many days during the months of July-Oct. during the 1996, 1997, 1999, and 2001 water years.
SALINITY (BOTTOM): Maximum recorded, 42.7 ppt June 1, 2005; minimum recorded, 0.2 ppt occurred on many days during the months of July-Oct. during the 1996, 1997, 1999, and 2001 water years.
WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C July 12, 2000; minimum recorded, 9.7°C Jan. 19, 1997.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.1°C July 25, 26, 1999; minimum recorded, 9.7°C Jan. 19, 1997.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 42.4 ppt May 31, June 1; minimum recorded, 0.3 ppt Sept. 7, 23, 24.
SALINITY (BOTTOM): Maximum recorded, 42.7 ppt June 1; minimum recorded, 0.3 ppt Sept. 23, 24.
WATER TEMPERATURE (TOP): Maximum recorded, 35.7°C Aug. 18, 19; minimum recorded, 13.8°C Jan. 18.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.4°C Aug. 17; minimum recorded, 13.8°C Jan 18.

251422080271900 OREGON CREEK NEAR KEY LARGO, FL

LOCATION.--Lat 25°14'22", long 80°27'19", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 100 ft upstream of the mouth on the right bank, approximately 6 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Acoustic Doppler velocity meter with up-looking acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 189 ft^3/s June 22, 2005; maximum negative, 198 ft^3/s Sept. 5, 2004.
GAGE HEIGHT: Maximum gage height, 1.60 ft Aug. 26, 2005; minimum, -1.59 ft Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 189 ft^3/s June 22; maximum negative, 176 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.60 ft Aug. 26; minimum, -1.10 ft Apr. 3-5, May 2, 13.

251355080312800 JOE BAY 2E NEAR KEY LARGO, FL

LOCATION.--Lat 25°13'55", long 80°31'28", T.60 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, located on the east side of Joe Bay on the left bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Satellite data collection platform with acoustic Doppler velocity meter and acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records excellent. Estimated unit value discharge is considered fair. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 143 ft^3/s Sept. 20, 2005; maximum negative, 180 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 1.81 ft Aug. 26, 2005; minimum, -1.36 ft (estimated) Jan. 19, 2005.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 143 ft^3/s Sept. 20; maximum negative, 180 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.81 ft Aug. 26; minimum, -1.36 ft Jan. 19.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: May 1999 to current year.
WATER TEMPERATURE: May 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated excellent except for the following period: Jan. 6 to Mar. 23, rated good. During periods of missing record, values may be higher or lower than the listed extremes. Elevation of the salinity and temperature sensor is -2.75 ft NAVD 88. Daily values are not published for this site. The salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 45.5 ppt May 28, June 1,2005; minimum recorded, 0.2 ppt Oct. 26, 1999, Sept. 13, 14, 2004.
WATER TEMPERATURE: Maximum recorded, 37.0°C June 30, 1999; minimum recorded, 11.2°C Jan. 23, 2001, and Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 45.5 ppt May 28, June 1; minimum recorded, 0.3 ppt Sept. 21-28.
WATER TEMPERATURE: Maximum recorded, 36.6°C Aug. 23; minimum recorded, 13.3°C Jan. 24.

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL

LOCATION.--Lat 25°13'41", long 80°29'12", T.60 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, located on the left bank near the mouth, 8 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to September 1999 (gage heights only); October 1999 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good except for August 8 to September 7, which are poor. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 200 ft^3/s June 22, 2005; maximum negative, 206 ft^3/s Sept. 5, 2004.
GAGE HEIGHT: Maximum gage height, 1.39 ft Aug. 26, 2005; minimum, -1.84 ft Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 200 ft^3/s June 22; maximum negative, 184 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.39 ft Aug. 26; minimum, -1.66 ft Mar. 8.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP): April 1999 to current year.
SALINITY (BOTTOM): May 2001 to current year. (Corrected).
WATER TEMPERATURE (TOP): April 1999 to current year.
WATER TEMPERATURE: (BOTTOM): May 2001 to current year. (Corrected).

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

REMARKS.--Salinity (TOP) record rated excellent for the entire year. Salinity (BOTTOM) record rated excellent except for the following period: Nov 1 to Jan 5, rated good. Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at -3.2 ft NAVD 88 (TOP) and -4.4 ft NAVD 88 (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 44.7 ppt June 2, 2005; minimum recorded, 0.5 ppt Oct. 5, 2000.
SALINITY (BOTTOM): Maximum recorded, 45.0 ppt June 2, 2005; minimum recorded, 0.6 ppt Sept. 18, 2002, July 2, 3, 2003, Sept. 29, 30, 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 10, 2005; minimum recorded, 11.8°C Jan. 1, 2001.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.4°C Aug. 29, 2004; minimum recorded, 10.7°C Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 44.7 ppt June 2; minimum recorded, 0.6 ppt Sept. 28-30.
SALINITY (BOTTOM): Maximum recorded, 45.0 ppt June 2;; minimum recorded, 0.6 ppt Sept. 29, 30.
WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 10; minimum recorded, 14.0°C Jan. 25.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.3°C Aug. 4; minimum recorded, 14.2°C Jan. 25.

251338080312600 JOE BAY 1E NEAR KEY LARGO, FL

LOCATION.--Lat 25°13'38", long 80°31'26", T.60 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, located on the east side of Joe Bay on the right bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 2004 to current year.

GAGE.--Acoustic Doppler velocity meter with acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records excellent. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR CURRENT YEAR--.
DISCHARGE: Maximum positive discharge, 1850 ft^3/s Aug. 26; maximum negative, 1940 ft^3/s June 22.
GAGE HEIGHT: Maximum gage height, 1.77 ft Aug. 26; minimum, -1.54 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: July 1999 to current year.
WATER TEMPERATURE: July 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated excellent except for the following period: Feb. 7 to Mar. 23. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 45.0 ppt May 30, 31, June 1, 2005; minimum recorded, 0.3 ppt Oct. 25-29, 2001.
WATER TEMPERATURE: Maximum recorded, 36.2°C Aug. 30, 2004; minimum recorded, 10.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 45.0 ppt May 30, 31, and June 1; minimum recorded, 0.4 ppt Sept. 24-30.
WATER TEMPERATURE: Maximum recorded, 36.0°C Aug. 4; minimum recorded, 13.9°C Jan. 25.

251322080352500 JOE BAY 8W NEAR KEY LARGO, FL

LOCATION.--Lat 25°13'22", long 80°35'25", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 100 ft upstream of the mouth on the left bank, approximately 8 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Acoustic Doppler velocity meter with acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 642 ft^3/s Sept. 20, 2005; maximum negative, 889 ft^3/s Sept. 20, 2005.
GAGE HEIGHT: Maximum gage height, 1.75 ft Aug. 26, 2005; minimum, -1.55 ft Sept. 4, 2004.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 642 ft^3/s Sept. 20; maximum negative, 889 ft^3/s Sept. 20.
GAGE HEIGHT: Maximum gage height, 1.75 ft Aug. 26; minimum, -1.48 ft Jan. 19.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY: May 1999 to current year.
WATER TEMPERATURE: May 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent except for Nov. 30, rated good. Temperature record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temprature sensor located at -2.93 ft NAVD 88. Daily values are not published for this site. Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 42.7 ppt June 1, 2, 2005; minimum recorded, 0.1 ppt Nov. 30, 2004, Jan. 6, 2005.
WATER TEMPERATURE: Maximum recorded, 35.4°C July 27, 1999; minimum recorded, 10.3°C Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 42.7 ppt June 1, 2; minimum recorded, 0.1 ppt Nov. 30, Jan.6.
WATER TEMPERATURE: Maximum recorded, 35.0°C Aug. 4; minimum recorded, 13.5°C Jan. 18.

251253080320100 TROUT CREEK AT MOUTH, FL

LOCATION.--Lat 25°12'53", long 80°32'01", T.38 S., R.60 E., Miami-Dade County, Hydrologic Unit 03090202, located on left bank, 100 ft upstream of mouth of Trout Creek, 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records rated good. Daily values are not published for this site. During periods of missing record, values may be higher or lower than the listed extremes. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 2,730 ft^3/s Sept. 2, 2005; maximum negative, 4,370 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 1.97 ft Aug. 26, 2005; minimum, -1.74 ft Mar. 9, 10, 1996.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 2,730 ft^3/s Sept. 2; maximum negative, 4,370 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.97 ft Aug. 26; minimum, -1.59 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): October 1995 to current year.
WATER TEMPERATURE (TOP, BOTTOM): October 1995 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except the following periods: Oct. 14 to Nov. 5, Nov. 13 to 29, rated good; Nov. 30 to Dec. 12, rated fair; Dec. 13 to Jan. 4, rated poor. Salinity (BOTTOM) record rated excellent except for the following period: Oct. 6 to Nov. 5, rated good. Temperature (TOP) record rated excellent except for the following periods: Oct. 4 to Nov. 5, Mar. 21 to Apr. 12, rated good; Apr. 13, 14, rated fair; Temperature (BOTTOM) record rated excellent except for the following periods: Mar. 20 to Apr. 14, July 22-28, rated good. Salinity and temperature sensors located at -1.95 ft NAVD 88 (TOP) and -4.0 ft NAVD 88 (BOTTOM). Daily values are not published for this site. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature, 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 47.8 ppt May 17, 2005;minimum recorded, 0.3 ppt Oct. 26, 1999.
SALINITY (BOTTOM): Maximum recorded, 47.1 ppt May 20, 2005; minimum recorded, 0.3 ppt Oct. 28, 2001, Sept. 25, 26, 2005.
WATER TEMPERATURE (TOP): Maximum recorded, 37.5°C July 27, 1999; minimum recorded, 9.6°C Jan. 20, 1997.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.5°C July 27, 1999; minimum recorded, 10.0°C Jan. 19, 1997.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 47.8 ppt May 17; minimum recorded, 0.3 ppt Sept. 25, 26.
SALINITY (BOTTOM): Maximum recorded, 47.1 ppt May 20; minimum recorded, 0.4 ppt Sept. 25, 26.
WATER TEMPERATURE (TOP): Maximum recorded, 36.1° Aug. 2; minimum recorded, 13.5°C Jan. 21.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.0°C Aug.3; minimum recorded, 13.7°C Jan. 18, 20.

251241080385300 UPSTREAM TAYLOR RIVER NEAR HOMESTEAD, FL

LOCATION.--Lat 25°12'41", long 80°38'53", T.60 S., R.37 E., Miami-Dade County, Madeira Bay Quadrangle, Hydrologic Unit 03090202, located upstream on the left bank, approximately 12 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 40.4 ft^3/s Oct 20, 1999; maximum negative, 35 ft^3/s Aug. 4, 2004.
GAGE HEIGHT: Maximum gage height, 1.68 ft Oct. 15, 1999; minimum, -1.36 ft Jan. 23, 2001 and Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 39.3 ft^3/s July 21; maximum negative, 27.6 ft^3/s Mar. 28.
GAGE HEIGHT: Maximum gage height, 1.01 ft Sept. 20; minimum, -1.36 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP AND BOTTOM): August 1999 to current year.
WATER TEMPERATURE (TOP AND BOTTOM): August 1999 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except for the following period: Mar. 9 to May 20, rated poor. Temperature (TOP) record rated excellent except for the following periods: July 18 to Sept. 7, rated good; May 5 to July 17, rated fair. Temperature (BOTTOM) record rated excellent except for the following periods: Oct. 1 to Nov. 23, Jan. 22 to May 4, rated good; May 5 to Sept. 7, rated fair. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature sensor is located at -1.22 ft NAVD 88 (TOP) and -2.42 ft NAVD 88 (BOTTOM). Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 49.9 ppt May 31, June 1, 2005; minimum recorded, 0.17 ppt Oct. 20, 21, 1999.
SALINITY (BOTTOM): Maximum recorded, 51.0 ppt June 1, 2005; minimum recorded, 0.2 ppt Oct. 20, 21, 1999; Oct. 6-12, 15-23, 2003; Nov. 4-24, 2003, and Dec. 1-12, 2003.
WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C Aug. 11, 2004; minimum recorded, 10.9°C Jan. 19, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.4°C July 7, 2004; minimum recorded, 11.0°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 49.9 ppt May 31, June 1; minimum recorded, 0.5 ppt Sept. 23-27.
SALINITY (BOTTOM): Maximum recorded, 51.0 ppt June 1; minimum recorded, 0.5 ppt Sept. 23-26.
WATER TEMPERATURE (TOP): Maximum recorded, 33.9°C July 22; minimum recorded, 13.9°C Jan. 18.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7°C July 4, 22, 23; minimum recorded, 14.5°C Jan 18.

251209080350100 MUD CREEK AT THE MOUTH NEAR HOMESTEAD, FL

LOCATION.--Lat 25°12'09", long 80°35'01", T.60 S., R.37 E., Miami-Dade County, Hydrologic Unit 03090202, left bank upstream of mouth, 9 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 462 ft^3/s Aug. 28, 2005; maximum negative, 594 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 2.88 ft Aug. 26, 2005; minimum, -1.76 ft Mar. 10, 1996.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 462 ft^3/s Aug. 28; maximum negative, 594 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 2.88 ft Aug. 26; minimum, -1.62 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): October 1995 to current year.
WATER TEMPERATURE (TOP, BOTTOM): October 1995 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except for the following period: Aug. 13 to Sept. 7, rated good. Temperature (TOP AND BOTTOM) record rated excellent except for the following period: Oct. 1-20. Salinity and temperature sensors located at -2.35 ft NAVD 88 (TOP) and -3.1 ft NAVD 88 (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 49.0 ppt May 19, 2005; minimum recorded, 0.2 ppt Nov. 15-17, 2003.
SALINITY (BOTTOM): Maximum recorded, 48.5 ppt May 18, 19, 2005; minimum recorded, 0.3 ppt Oct. 5-18, 2003, and Nov. 15-18, 2003.
WATER TEMPERATURE (TOP): Maximum recorded, 36.6°C July 26, 27, 1999; minimum recorded, 10.1°C Jan. 18, 1997.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.7°C July 25, 1999; minimum recorded, 10.2°C Jan. 19, 1997.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 49.0 ppt May 19; minimum recorded, 0.4 ppt Sept. 25-30.
SALINITY (BOTTOM): Maximum recorded, 48.5 ppt May 18, 19; minimum recorded, 0.4 ppt Sept. 25-30.
WATER TEMPERATURE (TOP): Maximum recorded, 36.4°C Aug. 4; minimum recorded, 13.4°C Jan. 19.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.5°C Aug. 10; minimum recorded, 13.6°C Dec. 21, Jan. 19.

251127080382100 TAYLOR RIVER AT MOUTH NEAR HOMESTEAD, FL

LOCATION.--Lat 25°11'27", long 80°38'21", T.60 S., R.37 E., Miami-Dade County, Hydrologic Unit 03090202, located at the mouth of Taylor River on the left bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records excellent. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 478 ft^3/s Oct. 15, 1999; maximum negative, 416 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 3.14 ft Aug. 26, 2005; minimum, -1.78 ft Mar. 11, 1996.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 301 ft^3/s Sept. 30; maximum negative, 416 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 3.14 ft Aug. 26; minimum, -1.72 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): October 1995 to current year.
WATER TEMPERATURE (TOP, BOTTOM): October 1995 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Oct. 1-20, Nov. 20 to Dec. 7, rated good; Dec. 8-10, rated fair; Dec. 11-20, rated poor. Salinity (BOTTOM) record rated excellent except for the following periods: Oct. 20, July 28 to Aug. 8, rated good. Temperature (TOP and BOTTOM) record rated good. Elevation of the top salinity/ temperature sensor located at -3.02 ft NAVD 88. Bottom salinity/temperature sensor located at -4.82 ft NAVD 88. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 50.5 ppt May 30, 31, 2005; minimum recorded, 0.2 ppt Nov 10-19 (corrected).
SALINITY (BOTTOM): Maximum recorded, 49.8 ppt May 30, 2005; minimum recorded, 0.2 ppt Nov. 10-19 (corrected).
WATER TEMPERATURE (TOP): Maximum recorded, 50.5°C May 30, 31, 2005; minimum recorded, 12.2°C Jan. 20, 1997.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.3°C July 28, 1998; minimum recorded, 11.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 50.5 ppt May 30, 31; minimum recorded, 1.0 ppt Sept. 29, 30.
SALINITY (BOTTOM): Maximum recorded, 49.8 ppt May 30; minimum recorded, 1.0 ppt Sept. 29, 30.
WATER TEMPERATURE (TOP): Maximum recorded, 35.7°C Aug. 7; minimum recorded, 15.1°C Dec. 16, Jan 18.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.7°C Aug. 7; minimum recorded, 15.0°C Dec. 16.

251105080231800 JEWFISH CREEK AT U.S. 1, KEY LARGO, FL

LOCATION.--Lat 25°11'05", long 80°23'18", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located on the left bank, approximately 0.2 mi north of Jewfish Creek at U.S. 1, near Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1998 to current year.

GAGE.--Satellite data collection platform with water-stage pressure sensor and acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 7010 ft^3/s Nov. 5, 2001; maximum negative, 8200 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 1.39 ft Nov. 5, 2001; minimum, -1.57 ft Feb. 15, 2001 and Feb. 11, 2003.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 6090 ft^3/s Sept. 20; maximum negative, 8200 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 1.33 ft Sept. 20; minimum, -1.39 ft Feb. 22, Mar. 17.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY(TOP, BOTTOM): February 1998 to current year.
WATER TEMPERATURE (TOP, BOTTOM): February 1998 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Oct. 17-20, Dec. 30 to Jan. 5, Jan. 26 to Feb. 8 and May 21, 25, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Mar. 9, Aug. 10-29, rated good. Temperature (TOP) record rated excellent except for the following periods: Feb. 8 to Mar. 9 and Apr. 13 to May 25, rated good; Mar. 10 to Apr. 13, rated fair. Temperature (BOTTOM) record is rated excellent except for the following periods: June 22 to Aug. 29, rated good; Mar. 9 to May 25, rated fair. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensor located at -3.64 ft NAVD 88 (TOP) and -8.91 ft NAVD 88 (BOTTOM). Daily values are not published for this site. Salinity and temperature 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 42.6 ppt June 8, 2005; minimum recorded, 8.4 ppt Oct. 21, 1999.
SALINITY (BOTTOM): Maximum recorded, 42.8 ppt June 6-8, 2005; minimum recorded, 9.2 ppt Oct. 21, 1999.
WATER TEMPERATURE (TOP): Maximum recorded, 34.3°C Aug. 14, 1998; minimum recorded, 13.6°C Jan. 25, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C July 17, 2002; minimum recorded, 13.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 42.6 ppt June 8; minimum recorded, 20.7 ppt Sept. 26.
SALINITY (BOTTOM): Maximum recorded, 42.8 ppt June 6-8; minimum recorded, 22.0 ppt Sept. 26.
WATER TEMPERATURE (TOP): Maximum recorded, 34.0°C Aug. 17; minimum recorded, 16.3°C Jan. 25.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.8°C Aug. 17; minimum recorded, 16.1°C Jan. 25.

251032080432200 SEVEN PALM LAKE NEAR FLAMINGO, FL

LOCATION.--Lat 25°10'32", long 80°43'22", Miami-Dade County, Hydrologic Unit 03090202, southern shore of Seven Palm Lake near connection to Middle Lake, 13 mi east-northeast of Flamingo.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--
SALINITY: October 2003 to current year.
WATER TEMPERATURE: October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent except for the following period: Sept. 19-30, rated good. Temperature record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY: Maximum recorded, 44.3 ppt May 22, 2005; minimum recorded, 1.0 ppt Nov. 20-23, 25, 27, 28, 2003.
WATER TEMPERATURE: Maximum recorded, 34.8°C July 7, 2004; minimum recorded, 13.3°C Dec. 21, 2004.

EXTREMES FOR FOR CURRENT YEAR.--
SALINITY: Maximum recorded, 44.3 ppt May 22; minimum recorded, 4.0 ppt Sept. 30.
WATER TEMPERATURE: Maximum recorded, 33.8°C Sept. 15; minimum recorded, 14.2°C Jan. 18.

251003080435500 McCORMICK CREEK AT MOUTH, FL

LOCATION.--Lat 25°10'03", long 80°43'55", T.60 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, left bank, approximately 500 ft upstream of the mouth, 17 mi east of Flamingo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Record rated good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 481 ft^3/s Aug. 30, 2005; maximum negative, 912 ft^3/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 3.11 ft Aug. 26, 2005; minimum, -1.50 ft May 1, 2001.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum positive discharge, 481 ft^3/s Aug. 30; maximum negative, 912 ft^3/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 3.11 ft Aug. 26; minimum, -1.43 ft Jan. 19.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): October 1995 to current year.
WATER TEMPERATURE (TOP, BOTTOM): October 1995 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Dec. 20 to Jan. 6, Mar. 14-22, Sept. 14-30, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Jan. 27 to Feb. 7, June 12-22, Aug 21-30, Sept. 5-18, rated good; Sept. 19-27, rated fair; Sept. 28-30, rated poor. Temperature (TOP) rated excellent except for the following periods: Mar. 31 to Apr. 23, July 21 to Aug. 30, rated good; Apr. 24-26, rated fair. Temperature (BOTTOM) record rated excellent except for the following periods: Mar. 22 to Apr. 26 rated good. Salinity and temperature sensors located at -2.05 ft NAVD 88 (TOP) and -3.45 ft NAVD 88 (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at http://sofia.usgs.gov/.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 54.2 ppt June 1, 2005; minimum recorded, 1.3 ppt Dec. 1, 2003.
SALINITY (BOTTOM): Maximum recorded, 53.8 ppt June 1, 2005; minimum recorded, 0.95 ppt Nov. 7, 1999.
WATER TEMPERATURE (TOP): Maximum recorded, 36.7°C July 28, 1999; minimum recorded, 11.0°C Jan. 5, 2001.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.6°C July 28, 1999; minimum recorded, 10.8°C Jan. 5, 2001, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 54.2 ppt June 1; minimum recorded, 6.0 ppt Sept. 29, 30.
SALINITY (BOTTOM): Maximum recorded, 53.8 ppt June 1; minimum recorded, 6.6 ppt Dec. 3.
WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 4; minimum recorded, 13.9°C Jan. 20.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.9°C Aug. 4; minimum recorded, 13.7°C Jan. 20.