

02293264 GATOR SLOUGH AT SR 765 AT CAPE CORAL, FL (REVISED)

LOCATION.--Lat 26°41'38", long 82°02'14" in SW ¼ NW ¼ NW ¼ sec.32, T.43 S., R.23 E., Lee County, Hydrologic Unit 03100103, 380 ft upstream from bridge on SR-765 (Burnt Store Road) in Cape Coral, 280 ft upstream from weir, and 2.9 mi north of Pine Island Road in Cape Coral, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1973-83 (annual maximum gage heights, only), May 1984 to October 5, 1997, June 2000 to current year. Prior to 1984, published as "near Pine Island." Prior to October 1, 2003, published under 264139082022100.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929. (State road department bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Zero flow occurs for numerous days during most water years. Formerly published as, "near Ft. Myers, FL." Storm surge caused by hurricanes on August 13, September 6, and September 26, 2004, created backwater conditions. Discharged is considered poor for those days.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 17 complete water years of discharge (1985-97, 2001-2004).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.07	2.54	2.49	2.55	2.56	2.62	2.49	2.54	2.45	2.62	3.05	2.93
2	2.96	2.54	2.49	2.54	2.55	2.59	2.48	2.52	2.45	2.63	3.32	2.91
3	2.89	2.55	2.48	2.54	2.56	2.58	2.48	2.52	2.47	2.63	3.49	2.91
4	2.85	2.55	2.48	2.53	2.55	2.58	2.47	2.52	2.46	2.71	3.66	2.90
5	2.81	2.55	2.48	2.53	2.55	2.57	2.48	2.52	2.46	2.69	3.63	2.92
6	2.79	2.62	2.49	2.53	2.54	2.56	2.49	2.52	2.46	2.68	3.39	3.09
7	2.77	2.63	2.48	2.52	2.54	2.56	2.49	2.51	2.45	2.67	3.20	3.06
8	2.76	2.60	2.48	2.51	2.54	2.55	2.48	2.51	2.47	2.64	3.08	3.06
9	2.75	2.59	2.47	2.51	2.53	2.55	2.48	2.51	2.50	2.63	2.98	3.03
10	2.73	2.58	2.47	2.52	2.53	2.55	2.48	2.51	2.50	2.64	2.96	3.14
11	2.71	2.58	2.47	2.51	2.52	2.54	2.47	2.51	2.53	2.68	2.98	3.08
12	2.69	2.57	2.47	2.51	2.52	2.54	2.51	2.50	2.53	2.84	2.92	3.00
13	2.68	2.56	2.46	2.51	2.51	2.54	2.49	2.49	2.54	2.81	3.04	2.94
14	2.67	2.55	2.51	2.51	2.51	2.53	2.49	2.48	2.58	2.75	3.45	2.90
15	2.66	2.55	2.50	2.51	2.53	2.54	2.48	2.48	2.61	2.69	3.32	2.87
16	2.64	2.54	2.51	2.51	2.53	2.55	2.48	2.48	2.65	2.68	3.20	2.85
17	2.62	2.54	2.59	2.51	2.53	2.54	2.47	2.48	2.64	2.65	3.14	2.84
18	2.61	2.54	2.61	2.55	2.52	2.54	2.46	2.48	2.63	2.62	3.09	2.84
19	2.60	2.54	2.62	2.55	2.52	2.53	2.46	2.47	2.62	2.68	3.04	2.84
20	2.59	2.53	2.63	2.54	2.52	2.52	2.46	2.48	2.61	2.92	3.05	2.83
21	2.58	2.52	2.62	2.55	2.52	2.51	2.47	2.48	2.61	3.01	3.04	2.86
22	2.58	2.52	2.61	2.55	2.52	2.52	2.47	2.47	2.59	2.97	3.01	2.87
23	2.58	2.52	2.60	2.55	2.52	2.51	2.46	2.48	2.59	2.87	3.03	2.86
24	2.57	2.52	2.60	2.55	2.52	2.51	2.46	2.47	2.60	2.81	3.01	2.83
25	2.56	2.52	2.59	2.55	2.56	2.50	2.46	2.46	2.61	2.77	3.01	2.82
26	2.55	2.51	2.58	2.55	2.61	2.50	2.46	2.47	2.61	2.75	3.00	3.02
27	2.55	2.51	2.57	2.55	2.67	2.50	2.46	2.47	2.60	2.78	2.95	2.78
28	2.56	2.51	2.56	2.54	2.67	2.50	2.46	2.47	2.60	2.86	2.93	2.76
29	2.57	2.50	2.56	2.54	2.64	2.50	2.45	2.46	2.60	2.99	2.92	2.74
30	2.55	2.50	2.56	2.55	---	2.50	2.49	2.46	2.58	3.12	2.91	2.71
31	2.55	---	2.55	2.55	---	2.50	---	2.45	---	3.03	2.92	---
TOTAL	83.05	76.38	78.58	78.52	73.89	78.63	74.23	77.17	76.60	85.82	96.72	87.19
MEAN	2.68	2.55	2.53	2.53	2.55	2.54	2.47	2.49	2.55	2.77	3.12	2.91
MAX	3.07	2.63	2.63	2.55	2.67	2.62	2.51	2.54	2.65	3.12	3.66	3.14
MIN	2.55	2.50	2.46	2.51	2.51	2.50	2.45	2.45	2.45	2.62	2.91	2.71

02293264 GATOR SLOUGH AT SR 765 AT CAPE CORAL, FL-Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	9.5	3.3	9.8	9.8	20	1.4	5.9	0.00	16	165	110
2	160	9.3	3.0	8.8	9.6	15	1.2	3.2	0.02	17	306	106
3	125	10	2.2	7.3	9.9	14	0.82	3.6	0.20	18	393	106
4	103	10	2.1	6.3	9.2	13	0.70	3.3	0.03	34	485	100
5	87	11	2.7	6.2	8.7	11	1.0	3.2	0.01	30	467	109
6	77	24	3.0	6.1	8.0	9.5	1.3	3.0	0.01	28	341	e160
7	69	25	2.7	5.1	7.8	8.6	1.3	2.5	0.00	26	236	169
8	61	19	2.4	4.7	7.5	8.2	1.0	2.4	0.50	20	170	172
9	55	16	1.4	4.7	6.9	7.6	0.86	2.1	1.1	19	123	156
10	47	15	1.4	5.6	6.9	7.3	0.86	2.0	1.2	20	115	210
11	41	14	1.6	5.0	6.0	7.0	0.70	2.1	3.9	31	123	181
12	38	13	1.5	4.7	5.2	6.6	3.3	1.8	3.2	72	100	140
13	36	12	1.2	4.4	4.6	6.4	1.9	0.95	4.5	61	e156	116
14	33	11	5.7	4.5	4.9	6.0	1.3	0.62	8.6	46	381	100
15	31	11	4.1	4.4	7.0	6.1	1.2	0.52	14	31	311	88
16	25	9.7	6.2	4.3	6.2	7.6	1.0	0.53	21	28	242	81
17	22	9.3	17	4.0	6.1	6.5	0.68	0.55	18	23	208	78
18	20	8.6	20	9.8	5.9	6.3	0.34	0.29	17	17	179	78
19	18	8.6	23	9.1	5.6	5.9	0.26	0.13	15	29	156	78
20	16	7.8	24	8.3	5.9	4.4	0.10	0.38	14	105	159	76
21	15	7.2	23	8.5	5.4	3.7	0.21	0.22	13	140	156	90
22	14	7.1	21	9.0	5.1	4.1	0.17	0.12	11	123	145	92
23	14	6.6	19	8.9	5.6	3.8	0.15	0.20	11	84	150	88
24	13	6.4	18	8.9	5.8	2.9	0.07	0.11	13	64	142	80
25	12	6.3	16	9.1	11	2.8	0.08	0.06	13	49	141	76
26	10	6.0	14	9.4	18	2.4	0.06	0.09	13	44	136	e70
27	10	5.1	13	9.0	29	2.4	0.08	0.08	13	53	115	63
28	12	5.1	12	8.2	30	2.5	0.06	0.06	12	80	110	57
29	13	4.3	12	7.9	25	2.4	0.17	0.04	11	128	106	51
30	11	3.9	11	9.2	---	2.6	1.2	0.01	9.8	189	102	43
31	9.8	---	11	9.4	---	2.0	---	0.00	---	150	106	---
TOTAL	1,416.8	311.8	298.5	220.6	276.6	208.6	23.47	40.06	242.07	1,775	6,225	3,124
MEAN	45.7	10.4	9.63	7.12	9.54	6.73	0.78	1.29	8.07	57.3	201	104
MAX	219	25	24	9.8	30	20	3.3	5.9	21	189	485	210
MIN	9.8	3.9	1.2	4.0	4.6	2.0	0.06	0.00	0.00	16	100	43
AC-FT	2,810	618	592	438	549	414	47	79	480	3,520	12,350	6,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	63.4	24.0	13.9	13.6	7.42	12.2	9.71	13.9	70.1	108	143	116
MAX (WY)	253 (1996)	91.9 (2003)	113 (2003)	48.4 (2003)	20.1 (1993)	41.5 (1987)	43.2 (1987)	58.0 (1991)	215 (1995)	284 (1995)	359 (1997)	268 (2001)
MIN (WY)	17.4 (1989)	2.31 (2001)	0.23 (2001)	0.00 (2001)	0.00 (1997)	0.00 (1997)	0.00 (2002)	0.00 (2001)	0.24 (1985)	9.15 (2000)	55.3 (1993)	23.3 (1990)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1984 - 2004

ANNUAL TOTAL	27,752.31	14,162.50	
ANNUAL MEAN	76.0	38.7	50.3
HIGHEST ANNUAL MEAN			92.7 1995
LOWEST ANNUAL MEAN			21.7 1990
HIGHEST DAILY MEAN	1,220 Jun 23	485 Aug 4	1,400 Sep 14, 2001
LOWEST DAILY MEAN	0.07 Mar 16	0.00* May 27	0.00 **
ANNUAL SEVEN-DAY MINIMUM	0.12 Mar 10	0.03 May 27	0.00 **
MAXIMUM PEAK FLOW		503 Aug 3	2,550 Sep 14, 2001
MAXIMUM PEAK STAGE		3.70 Aug 3	4.61 Sep 14, 2001
INSTANTANEOUS LOW FLOW			0.00 **
ANNUAL RUNOFF (AC-FT)	55,050	28,090	36,410
10 PERCENT EXCEEDS	201	124	130
50 PERCENT EXCEEDS	25	9.6	15
90 PERCENT EXCEEDS	0.73	0.54	0.35

e Estimated

* May 31, June 1,7.

** Many days during water years 1989-90,1996-97, 2001-02, 2004.

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.