

02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, FL

LOCATION.--Lat 26°31'18", long 81°51'09", in SW ¼ NW ¼ NW ¼ sec.31, T.45 S., R.25 E., Lee County, Hydrologic Unit 03090204, 10 ft upstream from Tennile Canal, 0.4 mi south of Sixmile Cypress parkway, and 5.2 mi south of Colonial Boulevard in Ft. Myers, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1987 to 1990, 1992 to current year.

REVISED RECORDS.--WDR FL-01-2A, 2000.

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

COOPERATION.--Gate operation log provided by the county of Lee.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow can be regulated by four vertical lift gates, two on either side of control weir. New control weir constructed in 1991. Records of discharge for water years 1999-2004 represent only flow over the top of the weir. Daily value discharge during water years 1999-2004 are not provided when partial or full gate openings occurred. Records of discharge prior to water year 1999 include combinations of flow over the weir and gate flow. No distinctions in flow types prior to water year 1999 have been made. Zero flow occurs numerous days, during all water years. During the 2004 water year, discharge data for August 11 to September 23 were deleted due to gate operations.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1989-90, 1992-98).

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	11.44	10.98	10.90	10.97	11.05	11.14	7.76	5.99	5.44	9.82	11.31	6.54
2	11.36	10.98	10.89	10.97	11.05	11.12	7.38	6.00	5.50	10.85	11.33	6.56
3	11.24	11.01	10.87	10.97	11.06	11.10	6.98	6.00	5.46	11.02	11.35	6.34
4	11.12	11.04	10.86	10.97	11.06	11.08	6.64	6.01	5.51	11.06	11.37	5.94
5	10.96	11.07	10.85	10.97	11.05	11.07	6.39	5.97	5.47	11.10	11.40	6.10
6	10.12	11.08	10.82	10.97	11.05	11.06	6.26	5.92	5.46	11.10	11.46	6.88
7	8.82	11.09	10.78	10.97	11.04	11.06	6.22	5.88	5.48	11.08	11.49	7.46
8	7.97	11.11	10.73	10.96	11.03	11.05	6.19	5.85	5.55	11.07	11.48	8.26
9	7.36	11.11	10.66	10.95	11.03	11.04	6.17	5.81	5.59	11.05	11.45	9.02
10	6.94	11.10	10.61	10.95	11.03	11.03	6.13	5.78	5.62	11.04	11.40	9.11
11	---	11.09	10.62	10.93	11.02	11.02	6.06	5.75	5.64	11.06	9.21	8.52
12	---	11.07	10.59	10.92	11.03	11.02	6.22	5.72	5.67	11.11	6.68	7.98
13	---	11.06	10.56	10.92	11.02	11.01	6.58	5.69	5.63	11.09	6.86	7.49
14	---	11.04	10.63	10.91	11.02	10.99	6.63	5.65	5.68	11.08	7.78	7.08
15	11.11	11.03	10.85	10.89	11.04	10.99	6.53	5.60	5.65	11.06	8.09	6.75
16	11.09	11.02	10.96	10.88	11.04	---	6.39	5.56	5.62	11.06	8.45	6.43
17	11.07	11.01	11.03	10.86	11.03	10.99	6.27	5.54	5.60	11.07	8.76	6.22
18	11.06	11.00	11.05	10.93	11.02	10.98	6.19	5.55	5.59	11.08	8.57	6.30
19	11.05	11.00	11.06	11.02	11.02	10.95	6.08	5.50	5.62	11.11	8.82	6.16
20	11.04	11.00	11.05	11.03	11.01	10.91	5.99	5.45	5.60	11.14	8.58	6.05
21	11.03	10.99	11.04	11.04	11.01	10.87	5.93	5.40	5.56	11.16	8.14	5.97
22	11.02	10.98	11.02	11.05	11.01	10.79	5.89	5.38	5.54	11.19	7.79	5.92
23	11.00	10.98	11.02	11.05	11.00	10.67	5.86	5.37	5.53	11.20	7.73	8.48
24	10.98	10.98	11.01	11.04	11.00	10.46	5.84	5.36	5.55	11.20	7.60	11.08
25	10.98	10.97	11.00	11.03	11.05	10.17	5.83	5.35	5.59	11.20	7.60	11.06
26	10.98	10.97	10.99	11.02	11.12	9.83	5.81	5.36	5.60	11.21	7.69	11.05
27	10.97	10.96	10.99	11.02	11.15	9.44	5.80	5.49	5.68	11.19	7.78	11.04
28	10.98	10.96	10.98	11.01	11.16	9.07	5.79	5.45	6.00	11.23	7.61	11.04
29	10.99	10.94	10.98	11.00	11.16	8.72	5.78	5.42	7.47	11.26	7.23	11.03
30	10.99	10.92	10.98	11.01	---	8.40	5.95	5.41	8.81	11.29	6.86	11.05
31	10.99	---	10.98	11.03	---	8.08	---	5.40	---	11.30	6.61	---
TOTAL	---	330.54	337.36	340.24	320.36	---	187.54	174.61	172.71	343.48	278.48	238.91
MEAN	---	11.02	10.88	10.98	11.05	---	6.25	5.63	5.76	11.08	8.98	7.96
MAX	---	11.11	11.06	11.05	11.16	---	7.76	6.01	8.81	11.30	11.49	11.08
MIN	---	10.92	10.56	10.86	11.00	---	5.78	5.35	5.44	9.82	6.61	5.92

BIG CYPRESS SWAMP AND SOUTHWESTERN COASTAL AREA
 02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, 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	175	5.2	0.27	4.4	22	51	0.00	0.00	0.00	0.00	134	---
2	129	5.2	0.08	4.1	23	44	0.00	0.00	0.00	12	146	---
3	76	11	0.00	5.1	25	39	0.00	0.00	0.00	28	152	---
4	35	16	0.00	5.2	25	34	0.00	0.00	0.00	37	161	---
5	5.2	24	0.00	5.2	23	30	0.00	0.00	0.00	49	181	---
6	0.00	27	0.00	5.2	22	28	0.00	0.00	0.00	52	219	---
7	0.00	30	0.00	5.1	20	27	0.00	0.00	0.00	44	238	---
8	0.00	34	0.00	4.3	17	26	0.00	0.00	0.00	40	232	---
9	0.00	35	0.00	3.5	16	23	0.00	0.00	0.00	34	211	---
10	0.00	32	0.00	2.9	16	19	0.00	0.00	0.00	32	182	---
11	e0.00	29	0.00	1.9	15	16	0.00	0.00	0.00	39	---	---
12	e0.00	26	0.00	1.3	16	16	0.00	0.00	0.00	53	---	---
13	e0.00	22	0.00	0.97	15	13	0.00	0.00	0.00	47	---	---
14	e20	18	0.00	0.64	13	11	0.00	0.00	0.00	44	---	---
15	34	14	0.09	0.24	19	9.7	0.00	0.00	0.00	39	---	---
16	28	12	3.7	0.06	19	e10	0.00	0.00	0.00	38	---	---
17	23	11	15	0.00	16	9.8	0.00	0.00	0.00	41	---	---
18	20	8.8	18	4.6	15	7.5	0.00	0.00	0.00	41	---	---
19	17	8.6	20	13	16	4.1	0.00	0.00	0.00	50	---	---
20	13	8.1	19	16	15	1.3	0.00	0.00	0.00	62	---	---
21	11	7.2	16	19	14	0.12	0.00	0.00	0.00	67	---	---
22	9.0	5.8	13	22	14	0.00	0.00	0.00	0.00	79	---	---
23	6.4	5.2	12	22	12	0.00	0.00	0.00	0.00	84	---	---
24	4.6	5.2	9.8	19	12	0.00	0.00	0.00	0.00	84	---	68
25	4.1	4.5	8.7	16	26	0.00	0.00	0.00	0.00	84	---	62
26	3.8	4.1	7.0	14	43	0.00	0.00	0.00	0.00	87	---	58
27	3.6	3.5	6.6	14	52	0.00	0.00	0.00	0.00	82	---	54
28	3.9	3.0	5.7	13	57	0.00	0.00	0.00	0.00	99	---	54
29	5.8	1.6	5.2	11	57	0.00	0.00	0.00	0.00	112	---	52
30	5.3	0.69	5.2	12	---	0.00	0.00	0.00	0.00	124	---	60
31	5.1	---	5.2	17	---	0.00	---	0.00	---	130	---	---
TOTAL	637.80	417.69	170.54	262.71	655	419.52	0.00	0.00	0.00	1,814.00	---	---
MEAN	20.6	13.9	5.50	8.47	22.6	13.5	0.00	0.00	0.00	58.5	---	---
MAX	175	35	20	22	57	51	0.00	0.00	0.00	130	---	---
MIN	0.00	0.69	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	---	---
AC-FT	1,270	828	338	521	1,300	832	0.00	0.00	0.00	3,600	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	46.6	8.43	3.83	4.62	3.95	5.07	0.37	0.02	5.69	31.1	78.1	70.8
MAX	216	38.0	22.7	18.6	23.2	48.5	5.04	0.31	42.1	153	195	238
(WY)	(1996)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)	(1994)	(1992)	(1992)	(1995)	(1995)
MIN	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	2.79	26.3
(WY)	(1990)	(1993)	(1990)	(1989)	(1989)	(1990)	(1988)	(1988)	(1988)	(1988)	(1993)	(1997)

SUMMARY STATISTICS

ANNUAL MEAN
 HIGHEST ANNUAL MEAN
 LOWEST ANNUAL MEAN
 HIGHEST DAILY MEAN
 LOWEST DAILY MEAN
 ANNUAL SEVEN-DAY MINIMUM
 MAXIMUM PEAK FLOW
 MAXIMUM PEAK STAGE
 ANNUAL RUNOFF (AC-FT)
 10 PERCENT EXCEEDS
 50 PERCENT EXCEEDS
 90 PERCENT EXCEEDS

WATER YEARS 1987 - 2004

23.3
 47.2 1995
 6.84 1993
 860 Aug 27, 1995
 0.00**
 0.00**
 1,830 Aug 11, 1988
 12.12 Aug 27, 1995
 16,910
 70
 0.00
 0.00

e Estimated

** Many days during water years 1988-2004.

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.