

02293230 WHISKEY CREEK AT FT. MYERS, FL

LOCATION.--Lat 26°34'27", long 81°53'29", in NW ¼ NW ¼ SE ¼, sec.10, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090205, 300 ft upstream from mouth on left bank, above spillway at Whiskey Creek Drive, 1.4 mi south of Colonial Boulevard.

DRAINAGE AREA.--Approximately 9 mi sq. Information provided by Johnson Engineering, Inc. 1979.

PERIOD OF RECORD.--April 1994 to current year.

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

REMARKS.--Records good except for estimated daily discharges, which are poor. Discharge for all periods when the vertical gates are opened are not included. Formerly published as Whiskey Creek at Whiskey Creek Drive near Ft. Myers, Fl. Days of zero flow occurred during water years 1994, 1995 and 1997. Storm surges caused by hurricanes on September 6, 26, 2004, created backwater conditions. Discharge is considered poor for those days.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1995-98, 2002).

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	3.23	3.07	3.06	3.07	3.10	3.08	3.06	3.12	3.01	3.23	3.31	3.28
2	3.20	3.07	3.06	3.07	3.07	3.09	3.06	3.09	3.00	3.24	3.31	3.21
3	3.17	3.12	3.05	3.07	3.07	3.08	3.07	3.10	3.05	3.19	3.30	3.16
4	3.16	3.08	3.04	3.07	3.07	3.08	3.07	3.09	3.14	3.18	3.30	3.20
5	3.14	3.12	3.05	3.07	3.07	3.08	3.07	3.09	3.05	3.16	3.37	3.29
6	3.13	3.11	3.04	3.07	3.08	3.08	3.07	3.09	3.05	3.16	3.47	3.53
7	3.13	3.10	3.04	3.07	3.07	3.07	3.07	3.09	3.08	3.15	3.33	3.32
8	3.12	3.09	3.04	3.07	3.07	3.08	3.07	3.09	3.27	3.13	3.29	3.23
9	3.14	3.09	3.04	3.07	3.07	3.08	3.08	3.09	3.22	3.12	3.27	3.20
10	3.14	3.09	3.08	3.07	3.07	3.08	3.07	3.09	3.16	3.12	3.26	3.19
11	3.15	3.08	3.04	3.07	3.07	3.09	3.07	3.09	3.30	---	3.25	3.17
12	3.15	3.09	3.05	3.06	3.07	3.09	3.15	3.08	3.21	---	2.49	3.16
13	3.16	3.09	3.05	3.06	3.07	3.09	3.09	3.07	3.20	---	2.45	3.15
14	3.16	3.09	3.18	3.06	3.07	3.09	3.08	3.07	3.26	---	3.31	3.15
15	3.16	3.09	3.08	3.06	3.10	3.09	3.08	3.07	3.20	3.17	3.30	3.14
16	3.15	3.08	3.13	3.05	3.07	3.10	3.08	3.07	3.17	3.17	3.24	3.13
17	3.13	3.08	3.19	3.05	3.07	3.08	3.08	3.05	3.16	3.16	3.25	3.13
18	3.12	3.07	3.11	3.20	3.05	3.08	3.08	3.05	3.15	3.17	3.30	3.12
19	3.11	3.08	3.09	3.09	3.06	3.08	3.08	3.04	3.14	3.35	3.50	3.12
20	3.10	3.08	3.08	3.07	3.06	3.07	3.08	3.04	3.14	3.40	3.28	3.11
21	3.10	3.07	3.07	3.07	3.06	3.07	3.08	3.04	3.13	3.30	3.24	3.11
22	3.10	3.07	3.07	3.07	3.06	3.07	3.07	3.05	3.13	3.25	3.22	3.10
23	3.09	3.07	3.07	3.06	3.06	3.08	3.07	3.05	3.12	3.22	3.21	3.09
24	3.09	3.07	3.08	3.06	3.05	3.06	3.07	3.05	3.15	3.19	3.28	3.09
25	3.09	3.06	3.07	3.06	3.23	3.05	3.07	3.03	3.17	3.17	3.48	3.09
26	3.09	3.06	3.07	3.06	3.16	3.04	3.07	3.04	3.16	3.16	3.32	3.19
27	3.09	3.06	3.07	3.06	3.10	3.05	3.07	3.03	3.29	3.17	3.25	3.10
28	3.10	3.07	3.07	3.04	3.09	3.05	3.05	3.03	3.32	3.20	3.21	3.08
29	3.11	3.06	3.07	3.05	3.08	3.06	3.08	3.03	3.22	3.19	3.20	3.07
30	3.08	3.06	3.07	3.07	---	3.06	3.11	3.02	3.18	3.19	3.21	3.10
31	3.07	---	3.07	3.08	---	3.06	---	3.01	---	3.22	3.25	---
TOTAL	96.96	92.42	95.28	95.15	89.32	95.31	92.30	94.95	94.83	---	100.45	95.01
MEAN	3.13	3.08	3.07	3.07	3.08	3.07	3.08	3.06	3.16	---	3.24	3.17
MAX	3.23	3.12	3.19	3.20	3.23	3.10	3.15	3.12	3.32	---	3.50	3.53
MIN	3.07	3.06	3.04	3.04	3.05	3.04	3.05	3.01	3.00	---	2.45	3.07

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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	28	3.1	2.1	3.8	9.5	3.8	1.2	9.0	0.67	32	49	36
2	22	3.3	1.9	3.9	6.0	4.4	1.4	5.7	0.55	31	45	21
3	18	9.5	1.4	3.9	5.5	4.1	1.4	6.5	9.6	22	43	14
4	15	4.0	1.3	3.9	5.5	3.7	1.2	6.0	16	20	43	21
5	12	8.6	1.5	3.7	6.1	3.7	1.3	5.8	2.2	17	62	43
6	11	7.5	1.4	3.8	6.5	3.2	1.3	5.5	1.9	17	89	e110
7	10	5.8	1.3	3.7	5.1	2.7	1.2	5.5	5.7	15	49	45
8	10	5.2	1.2	3.7	4.6	2.9	1.3	5.7	54	12	40	26
9	12	5.0	1.6	4.0	4.9	3.0	1.4	6.1	27	11	35	20
10	12	4.6	4.5	5.2	5.0	3.3	1.3	6.0	15	11	33	18
11	13	4.2	1.5	4.7	4.8	3.7	1.5	5.4	58	e11	31	16
12	14	4.5	1.9	3.9	4.6	3.9	9.3	4.9	24	e50	---	13
13	15	4.6	2.1	3.6	4.5	4.0	2.7	4.2	25	e25	---	12
14	15	4.6	24	3.9	4.8	4.1	2.0	3.9	35	e19	---	12
15	15	4.5	4.3	3.9	8.6	3.6	1.8	3.6	23	18	42	11
16	14	3.6	14	3.1	4.4	3.6	2.6	3.8	18	18	30	10
17	10	3.0	19	3.0	3.6	2.5	2.7	2.8	15	16	32	9.2
18	7.7	2.8	6.9	32	2.7	2.6	2.8	2.3	14	16	57	8.8
19	6.7	3.1	4.8	7.1	3.4	2.6	2.8	1.7	12	59	103	8.2
20	6.1	2.9	3.7	5.2	3.4	2.1	2.7	1.7	12	69	37	7.6
21	5.6	2.5	3.1	4.8	3.4	2.1	2.6	1.7	11	42	27	6.9
22	5.6	2.4	3.1	4.7	3.5	2.1	2.6	1.9	11	31	23	5.2
23	4.7	2.6	3.1	4.0	3.1	2.3	2.7	1.9	11	25	22	4.3
24	5.0	2.5	4.4	3.7	---	1.8	2.8	2.1	16	20	37	4.0
25	5.2	2.1	3.8	4.0	33	0.98	2.7	1.5	18	17	101	4.2
26	4.9	2.2	3.8	4.5	14	0.73	2.7	1.5	17	16	45	e4.4
27	5.1	2.2	3.9	5.0	6.4	0.82	3.2	1.4	59	18	29	4.6
28	6.8	2.4	4.1	3.3	4.6	0.98	2.5	1.3	51	22	23	3.0
29	8.1	2.1	3.7	4.1	4.3	1.0	7.7	1.2	29	20	21	2.6
30	3.9	2.2	3.7	6.2	---	1.1	8.1	0.91	21	20	21	6.4
31	3.3	---	3.7	6.9	---	1.1	---	0.64	---	25	32	---
TOTAL	324.7	117.6	140.8	161.2	---	82.51	81.5	112.15	612.62	745	---	507.4
MEAN	10.5	3.92	4.54	5.20	---	2.66	2.72	3.62	20.4	24.0	---	16.9
MAX	28	9.5	24	32	---	4.4	9.3	9.0	59	69	110	---
MIN	3.3	2.1	1.2	3.0	---	0.73	1.2	0.64	0.55	11	2.6	---
AC-FT	644	233	279	320	---	164	162	222	1,220	1,480	---	1,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	9.89	4.89	4.52	4.50	2.68	3.81	3.44	2.80	15.5	23.5	22.5	25.7
MAX	16.3	9.22	10.0	8.10	5.01	10.6	5.32	6.18	32.4	31.0	37.5	50.0
(WY)	(1997)	(2000)	(1998)	(1996)	(2002)	(1998)	(2000)	(1996)	(1996)	(2001)	(2001)	(2001)
MIN	3.81	1.41	1.52	0.88	0.72	1.00	1.35	0.71	2.21	14.4	10.7	13.4
(WY)	(1995)	(1997)	(1997)	(2001)	(2001)	(1995)	(1999)	(1994)	(1994)	(2002)	(1997)	(1994)

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 1994 - 2004

10.9
13.1 1995
8.88 1997
380 Sep 2, 1995
0.00**
0.00**
1,280 Jun 15, 1996
4.87 Sep 5, 2003
7,920
23
4.9
0.97

e Estimated

** Many days during water years 1994, 1995, 1997.

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.