02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

LOCATION.--Lat 25°57'28", long 81°21'19", in NW $\frac{1}{4}$ sec.7, T.52 S., R.30 E., Collier County, Hydrologic Unit 03090204, on right bank 40 ft upstream from control structure No. 6, 0.7 mi north of Copeland, 7 mi north of town of Everglades City, and 7.5 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July to December 1951 (discharge measurements only), January 1952 to current year.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to January 24, 1952, non-recording gage.

REMARKS.--Records poor. Zero flow for numerous days, during many water years. Flow regulated by operation of control structure at, above, and below station. Overbank flow not included in discharge figures. Records prior to January 1952 are available in files of the U.S. Geological Survey.

ANNUAL MEAN and ANNUAL SUMMARY STATISTICS.--Figures represent 49 complete years of discharge (1952-87, 1989-94, 1996, 1998-2004).

EXTREME STAGE FOR PERIOD OF RECORD.--Maximum gage height, 7.07 ft Aug. 26, 1995; minimum, 0.21 ft May 18, 1962 and May 18, 1972.

EXTREMES FOR STAGES FOR CURRENT YEAR.--Maximum gage height, 6.03 ft Oct. 1-3; minimum, 1.52 ft June 3.

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	6.03	5.47	5.05	5.13	5.25	5.39	3.32	2.41	1.64	3.72	4.90	5.65
2	6.02	5.46	4.98	5.09	5.24	5.37	3.26	2.39	1.59	3.75	5.11	5.68
3	6.02	5.48	4.92	5.05	5.24	5.34	3.20	2.46	---	4.05	5.26	5.65
4	6.00	5.53	4.87	5.00	5.27	5.32	3.14	2.60	---	4.01	5.24	5.63
5	5.96	5.58	4.83	4.94	5.30	5.28	3.07	2.58	1.57	3.87	5.26	5.62
6	5.92	5.68	4.77	4.89	5.33	5.23	3.01	2.52	1.59	3.72	5.33	5.69
7	5.88	5.67	4.69	4.82	5.35	5.18	2.95	2.48	1.62	3.58	5.38	5.74
8	5.83	5.66	4.64	4.74	5.34	5.10	2.90	2.41	1.64	3.49	5.37	5.73
9	5.79	5.65	4.60	4.69	5.33	4.99	2.86	2.37	1.65	3.76	5.34	5.71
10	5.74	5.63	4.58	4.65	5.32	4.89	2.82	2.34	1.71	3.63	5.31	5.69
11	5.70	5.60	4.57	4.57	5.29	4.78	2.77	2.31	2.25	3.57	5.28	5.67
12	5.67	5.57	4.50	4.51	5.26	4.69	2.86	2.27	2.60	3.45	5.25	5.64
13	5.64	5.54	4.46	4.45	5.23	4.60	3.37	2.22	2.66	3.34	5.30	5.61
14	5.61	5.52	4.65	4.40	5.18	4.52	3.60	2.17	2.87	3.23	5.36	5.57
15	5.58	5.50	4.82	4.35	5.26	4.46	3.48	---	3.97	3.12	5.35	5.54
16	5.54	5.47	4.82	4.35	5.25	4.48	3.36	---	4.61	3.02	5.34	5.50
17	5.52	5.45	5.20	4.32	5.21	4.46	3.25	2.10	4.46	2.96	5.34	5.47
18	5.50	5.42	5.20	4.57	5.16	4.34	3.16	2.06	4.31	2.91	5.35	5.44
19	5.48	5.41	5.22	4.88	5.09	4.25	3.07	2.03	4.14	3.03	5.44	5.41
20	5.46	5.40	5.23	4.73	5.03	4.16	2.99	2.00	3.99	3.29	5.40	5.39
21	5.44	5.38	5.24	4.62	4.96	4.08	2.91	1.96	3.84	3.60	5.39	5.36
22	5.42	5.36	5.26	4.55	4.89	3.99	2.84	---	3.71	3.66	5.55	5.37
23	5.47	5.34	5.29	4.47	4.82	3.90	2.76	---	3.57	3.55	5.54	5.38
24	5.53	5.32	5.29	4.41	4.75	3.82	2.70	---	3.45	3.45	5.51	5.37
25	5.50	5.30	5.29	4.36	5.02	3.76	2.64	---	3.36	3.41	5.51	5.35
26	5.48	5.28	5.29	4.32	5.43	3.71	2.60	---	3.31	3.64	5.54	5.36
27	5.45	5.25	5.27	4.37	5.43	3.64	2.56	---	3.22	4.01	5.59	5.36
28	5.43	5.22	5.25	4.42	5.42	3.58	2.53	---	3.22	4.45	5.63	5.34
29	5.49	5.18	5.23	4.30	5.41	3.50	2.49	---	3.42	4.70	5.66	5.33
30	5.49	5.11	5.20	4.42	---	3.45	2.45	1.69	3.44	4.75	5.65	5.31
31	5.48	---	5.16	5.23	---	3.41	---	1.65	---	4.76	5.63	---
TOTAL	175.07	163.43	154.37	143.60	151.06	137.67	88.92	---	---	113.48	167.11	165.56
MEAN	5.65	5.45	4.98	4.63	5.21	4.44	2.96	---	---	3.66	5.39	5.52
MAX	6.03	5.68	5.29	5.23	5.43	5.39	3.60	---	---	4.76	5.66	5.74
MIN	5.42	5.11	4.46	4.30	4.75	3.41	2.45	---	---	2.91	4.90	5.31

02291000 BARRON RIVER CANAL NEAR EVERGLADES, 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	104	81	73	79	77	88	39	17	e6.4	47	70	124
2	104	81	70	77	76	86	37	17	e5.9	47	80	126
3	104	82	67	74	76	84	35	18	e5.4	52	91	124
4	103	86	65	71	78	82	33	21	e5.5	51	90	122
5	102	92	63	67	81	79	32	21	5.5	49	91	121
6	101	102	62	64	83	76	30	20	5.8	47	97	128
7	100	101	61	60	85	72	29	19	6.0	44	101	132
8	98	100	60	58	84	67	28	17	6.3	43	100	131
9	97	100	59	58	83	64	27	17	6.4	47	98	130
10	96	98	58	57	82	62	26	16	7.1	45	95	127
11	95	95	58	56	80	61	24	16	15	44	93	126
12	94	93	57	55	78	59	27	15	21	42	90	123
13	93	91	56	54	75	58	40	14	22	40	94	120
14	92	90	60	54	72	56	48	13	27	39	99	117
15	91	88	62	53	78	55	44	e13	51	37	98	114
16	90	87	64	53	77	56	40	e13	62	36	97	111
17	90	86	82	53	74	55	36	12	60	35	97	108
18	89	86	82	57	70	53	34	12	57	34	99	105
19	89	86	83	63	66	52	32	11	54	36	106	103
20	88	85	84	59	65	51	30	11	51	40	102	101
21	88	85	86	57	64	50	28	e10	49	45	102	99
22	87	84	87	56	62	48	26	e9.8	46	46	115	100
23	86	84	89	55	61	47	24	e9.6	44	44	114	101
24	85	83	89	54	60	46	23	e9.2	42	42	112	100
25	83	83	90	54	71	45	22	e8.7	41	42	111	99
26	81	82	89	53	91	44	21	e8.6	40	45	114	99
27	80	81	88	54	91	43	20	e8.1	39	52	118	99
28	80	80	88	55	90	42	20	e7.7	39	60	122	97
29	82	78	86	53	89	41	19	e7.4	42	64	125	96
30	82	75	84	55	---	41	18	e6.9	42	65	124	95
31	81	---	82	76	---	40	---	e6.5	---	65	122	---
TOTAL	2,835	2,625	2,284	1,844	2,219	1,803	892	405.5	904.3	1,425	3,167	3,378
MEAN	91.5	87.5	73.7	59.5	76.5	58.2	29.7	13.1	30.1	46.0	102	113
MAX	104	102	90	79	91	88	48	21	62	65	125	132
MIN	80	75	56	53	60	40	18	6.5	5.4	34	70	95
AC-FT	5,620	5,210	4,530	3,660	4,400	3,580	1,770	804	1,790	2,830	6,280	6,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	141	109	84.3	72.3	62.9	53.5	36.4	28.5	69.8	109	136	154
MAX	231	248	220	218	200	225	192	173	196	239	230	233
(WY)	(1960)	(1960)	(1960)	(1958)	(1958)	(1970)	(1958)	(1958)	(1969)	(1970)	(1982)	(1973)
MIN	13.4	5.09	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.21	5.25
(WY)	(1990)	(1991)	(1989)	(1989)	(1989)	(1989)	(1989)	(1989)	(1985)	(1989)	(1989)	(1989)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	26,348		23,781.8			
ANNUAL MEAN	72.2		65.0		88.8	
HIGHEST ANNUAL MEAN					189	1958
LOWEST ANNUAL MEAN					3.52	1989
HIGHEST DAILY MEAN	116	Aug 23	132	Sep 7	292	Sep 25, 1962
LOWEST DAILY MEAN	39	Mar 13	5.4	Jun 3	0.00**	
ANNUAL SEVEN-DAY MINIMUM	39	Mar 10	5.8	Jun 2	0.00**	
MAXIMUM PEAK FLOW			132	Sep 7	292	Sep 25, 1962
MAXIMUM PEAK STAGE			5.75	Sep 7	6.57	Sep 4, 1983
INSTANTANEOUS LOW FLOW			5.1	Jun 3		
ANNUAL RUNOFF (AC-FT)	52,260		47,170		64,360	
10 PERCENT EXCEEDS	100		102		195	
50 PERCENT EXCEEDS	66		64		76	
90 PERCENT EXCEEDS	43		17		6.6	

e Estimated

** Many days during water years 1952, 1953, 1975, 1982, 1989, 1990, 1996.

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.