

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

LOCATION.--Lat 26°55'01", long 80°36'49", in SE ¼ sec.10, T.41S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on west side of U.S. Highway 441 bridge, 3.6 mi northeast of Canal Point, and 4.8 mi south of Port Mayaca, at Sand Cut.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 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.

REMARKS.--No estimated daily discharge. Records poor. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity. Flow regulated by gated structure at Lake Okeechobee. Flow reverses during and after periods of heavy rainfall because of pumpage into the canal from agricultural lands in the Everglades (negative figures indicate flow towards Lake Okeechobee).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 18 complete water years of discharge (1977-89, 1995, 1997-99, 2002).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.39 ft Oct. 19, 1995; minimum, 8.57 ft May 21, 2001 (estimated).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.52 ft Sept. 27; minimum, 10.75 ft Sept. 5.

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	16.57	16.10	15.74	15.57	15.44	15.25	14.76	13.85	12.75	12.65	12.55	13.83
2	15.66	16.14	15.74	15.58	15.49	15.25	14.73	13.87	12.66	12.63	12.57	13.83
3	15.61	16.19	15.69	15.55	15.42	15.25	14.68	13.95	12.61	12.61	12.71	13.89
4	14.74	16.07	15.68	15.52	15.37	15.23	14.60	13.96	12.62	12.58	12.69	13.81
5	14.10	16.13	15.72	15.53	15.38	15.21	14.56	13.92	12.64	12.57	12.79	13.91
6	14.58	16.32	15.87	15.51	15.41	15.24	14.40	13.85	12.66	12.56	12.83	16.16
7	15.55	16.39	15.79	15.51	15.45	15.26	14.38	13.80	12.70	12.59	12.82	16.48
8	15.78	16.35	15.71	15.48	15.34	15.27	14.38	13.76	12.69	12.53	12.80	16.48
9	15.65	16.32	15.69	15.47	15.29	15.24	14.36	13.69	12.72	12.47	12.78	15.95
10	15.40	16.22	15.76	15.57	15.29	15.19	14.35	13.65	12.76	12.41	12.77	15.77
11	15.26	16.15	15.83	15.51	15.27	15.10	14.31	13.61	12.81	12.43	12.79	15.62
12	15.16	16.14	15.73	15.42	15.27	15.10	14.43	13.58	12.82	12.38	12.97	15.38
13	15.06	16.24	15.72	15.40	15.28	15.02	14.47	13.48	12.82	12.38	13.06	15.40
14	15.14	16.19	15.78	15.41	15.26	15.02	14.70	13.43	12.84	12.39	13.12	15.38
15	15.16	16.10	15.96	15.43	15.33	15.04	14.43	13.38	12.80	12.35	13.22	15.36
16	15.01	16.04	15.86	15.36	15.28	15.07	14.30	13.38	12.81	12.34	13.34	15.34
17	15.06	16.05	16.11	15.33	15.32	15.08	14.22	13.34	12.73	12.34	13.19	15.10
18	15.50	16.03	16.00	15.39	15.33	15.00	14.20	13.32	12.75	12.37	12.98	15.22
19	15.32	16.09	15.93	15.46	15.21	14.99	14.19	13.29	12.82	12.46	13.10	14.94
20	15.48	16.11	15.87	15.47	15.19	14.89	14.21	13.25	12.88	12.48	13.35	15.16
21	15.91	16.04	15.77	15.40	15.18	14.96	14.15	13.21	12.87	12.45	13.38	15.72
22	16.22	15.94	15.73	15.39	15.16	14.94	14.10	13.19	12.89	12.44	13.43	16.19
23	16.45	15.87	15.77	15.37	15.14	14.84	14.07	13.15	12.86	12.42	13.47	16.23
24	16.29	15.87	15.79	15.34	15.14	14.71	14.03	13.11	12.81	12.38	13.57	16.13
25	16.21	15.96	15.69	15.28	15.18	14.71	13.98	13.08	12.76	12.37	13.57	15.61
26	16.18	15.99	15.68	15.27	15.42	14.71	13.98	13.02	12.75	12.41	13.65	16.82
27	16.18	15.85	15.70	15.29	15.42	14.72	14.03	12.98	12.73	12.40	13.69	18.31
28	16.17	15.83	15.68	15.31	15.30	14.77	13.90	12.95	12.73	12.42	13.70	18.16
29	16.15	15.84	15.64	15.26	15.24	14.77	13.81	12.89	12.70	12.38	13.67	18.20
30	16.11	15.72	15.60	15.27	---	14.75	13.86	12.85	12.66	12.39	13.72	18.21
31	16.08	---	15.61	15.33	---	14.76	---	12.80	---	12.48	13.70	---
TOTAL	483.74	482.28	488.84	477.98	443.80	465.34	428.57	415.59	382.65	386.06	407.98	472.59
MEAN	15.60	16.08	15.77	15.42	15.30	15.01	14.29	13.41	12.76	12.45	13.16	15.75
MAX	16.57	16.39	16.11	15.58	15.49	15.27	14.76	13.96	12.89	12.65	13.72	18.31
MIN	14.10	15.72	15.60	15.26	15.14	14.71	13.81	12.80	12.61	12.34	12.55	13.81

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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	-16	464	451	385	268	400	406	127	163	97	29	-107
2	-6.4	444	408	376	238	424	319	152	140	140	-53	-127
3	8.4	376	372	383	370	424	327	106	156	134	-211	-118
4	17	510	421	420	429	404	318	93	180	143	-173	-5.8
5	13	454	431	414	353	407	194	128	168	120	-208	-446
6	181	195	386	438	403	441	265	128	155	117	-253	-1,150
7	294	67	421	424	493	452	239	143	81	132	-253	-1,260
8	278	176	394	418	448	449	279	132	75	118	-199	-1,190
9	287	272	366	447	449	450	247	140	78	127	-108	-881
10	306	232	288	441	438	424	172	171	-1.9	112	-79	-747
11	319	311	344	413	437	406	121	190	29	107	-124	-579
12	323	351	319	406	441	356	81	162	55	99	-263	-371
13	339	287	306	401	419	421	161	170	28	116	-289	-311
14	330	266	322	400	416	361	189	204	72	108	-199	-263
15	322	332	22	393	466	349	86	166	95	100	-173	-160
16	328	349	217	397	442	390	162	174	-80	103	-228	-10
17	325	344	287	361	453	379	257	157	54	106	-43	0.62
18	283	356	219	335	464	375	227	153	107	105	6.1	-12
19	294	416	323	336	448	341	227	202	40	81	-10	12
20	263	366	312	366	426	372	227	211	60	30	-96	1.7
21	227	371	349	408	426	389	250	206	50	70	-97	-195
22	476	441	361	418	430	381	271	176	---	-95	-119	-448
23	578	467	291	426	418	212	261	139	---	28	-110	-371
24	570	470	306	384	411	311	238	157	---	85	-116	-98
25	531	359	431	375	327	287	242	176	101	103	-66	-18
26	563	309	387	374	293	228	227	208	49	28	-135	-729
27	565	424	347	420	386	212	222	262	103	97	-138	-1,270
28	536	502	325	417	431	220	138	248	113	47	-81	-1,190
29	571	501	351	391	371	168	242	198	111	-46	-28	-1,070
30	487	487	388	409	---	172	188	160	140	-28	-70	-959
31	503	---	381	351	---	295	---	184	---	-41	-33	---
TOTAL	10,095.0	10,899	10,526	12,327	11,794	10,900	6,783	5,223	---	2,443	-3,919.9	-14,071.48
MEAN	326	363	340	398	407	352	226	168	---	78.8	-126	-469
MAX	578	510	451	447	493	452	406	262	--	143	29	12
MIN	-16	67	22	335	238	168	81	93	--	-95	-289	-1,270
AC-FT	20,020	21,620	20,880	24,450	23,390	21,620	13,450	10,360	---	4,850	-7,780	-27,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	-78.9	-8.19	70.5	85.6	64.6	53.5	113	127	-27.6	-91.4	-123	-131	
MAX	365	363	359	452	407	352	393	349	227	225	160	173	
(WY)	(1989)	(2004)	(1989)	(2003)	(2004)	(2004)	(2004)	(1987)	(1987)	(1987)	(2003)	(1977)	(2002)
MIN	-564	-313	-182	-107	-177	-107	-226	-93.6	-377	-693	-599	-605	
(WY)	(2001)	(1988)	(1978)	(1987)	(1994)	(1982)	(1991)	(1982)	(1991)	(1991)	(1997)	(1981)	

SUMMARY STATISTICS

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

WATER YEARS 1976 - 2004

-2.02	
125	1989
-126	1997
766	Apr 25, 1983
-1,400	Sep 30, 1992
-1,160	Sep 29, 1992
-1,460	
205	
0.00	
-197	

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.