

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

LOCATION.--Lat 25°57'50", long 80°18'40", in SW ¼ sec.36, T.51 S., R.40 E., Broward County, Hydrologic Unit 03090202, 300 ft downstream of N.W. 67th Avenue bridge on A-frame walkway, 6.0 mi north of Hialeah, Dade County, 10.9 mi upstream from salinity-control structure 29, and 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to February 1962 (gage heights only), March 1962 to current year.

REVISED RECORDS.--WDR FL-74-2A, 1969; WDR FL-02-0219, 2001.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic doppler velocity meter. Prior to January 31, 2002, telemetry included cellular phone/radio telemetry and electronic data logger provided by the South Florida Water Management District. Prior to July 19, 1999, water-stage recorder and electromagnetic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to October 1, 1975, at datum 0.28 ft lower. November 1, 1959, to March 15, 1962, water-stage recorder 10 ft downstream at datum 0.28 ft lower.

REMARKS.--Records poor. Flow affected by regulation at salinity-control structure 29, Broward county pump structure (S7) on the N.W. 67 Avenue Canal and, at times by tide, and is occasionally reversed. Records of gage heights prior to March 1962, are available in files of the U.S. Geological Survey. Discharge represents flow to the east. Discharge computed from relations between stage vs. area and index velocity vs. mean channel velocity.

COOPERATION.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete years of discharge (1963-86, 1993, 2000, 2004).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.57 ft Oct. 15, 1999; minimum, 0.58 ft June 22, 1960.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 2.95 ft Sept. 5; minimum, 1.39 ft Sept. 19.

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	2.72	2.33	2.26	2.26	2.32	1.98	---	2.13	1.79	2.04	2.36	2.13
2	2.61	2.26	2.32	2.26	2.45	2.16	2.04	2.12	1.77	2.01	2.55	1.88
3	2.50	2.32	2.34	2.26	2.23	2.20	2.01	2.20	1.74	1.99	2.57	1.70
4	2.30	2.36	2.36	2.25	2.09	2.22	1.99	2.28	1.71	2.00	2.42	1.75
5	2.40	2.47	2.38	2.25	2.17	2.23	1.98	---	1.70	2.03	2.28	2.53
6	2.42	2.48	2.25	2.24	2.37	2.23	1.96	---	1.70	2.03	2.18	2.45
7	---	2.38	2.00	2.23	2.23	2.24	1.95	2.36	1.81	2.01	1.93	2.19
8	2.35	2.39	2.17	2.22	2.13	2.24	1.94	2.34	2.04	2.00	1.84	2.04
9	2.40	2.57	2.27	2.21	2.06	2.23	1.95	2.31	2.07	1.96	1.94	2.09
10	2.42	2.37	2.32	2.20	2.02	2.21	1.97	2.29	2.06	1.93	2.27	1.99
11	2.46	2.26	2.30	2.18	2.07	2.20	1.96	2.27	2.07	1.89	2.20	1.82
12	2.40	2.22	2.12	2.16	2.29	2.19	2.02	2.23	2.07	1.93	1.82	1.70
13	2.35	2.12	2.27	2.16	2.36	2.19	2.18	2.20	2.06	2.04	1.69	1.69
14	2.31	2.36	2.31	2.15	2.39	2.18	1.87	2.17	2.06	2.11	1.74	1.66
15	2.31	2.38	2.11	2.14	2.32	2.19	1.98	2.15	2.10	1.94	2.13	1.67
16	2.32	2.36	2.01	2.13	2.05	2.19	2.20	2.18	2.11	2.10	2.24	1.63
17	2.20	2.31	1.94	2.13	2.06	2.19	2.24	---	2.06	2.27	2.30	1.59
18	2.21	2.29	1.88	2.15	2.22	2.18	2.23	2.15	2.04	2.26	2.35	1.57
19	2.38	2.26	1.96	2.23	2.25	2.16	2.22	2.12	2.04	2.31	2.38	1.57
20	2.18	2.22	---	2.23	2.27	2.14	2.21	2.09	2.12	2.23	2.18	---
21	2.30	2.34	2.18	2.22	2.27	2.12	2.20	2.07	2.12	2.16	2.05	1.91
22	2.34	2.36	2.21	2.22	2.28	2.11	2.18	2.04	2.18	2.19	2.01	2.28
23	2.26	2.42	2.25	2.21	2.24	2.08	2.16	2.01	2.27	2.11	2.10	2.27
24	2.30	2.39	2.26	2.20	2.26	2.05	2.15	1.96	2.24	2.08	2.14	2.05
25	2.40	2.33	2.27	2.19	2.23	2.05	2.13	1.94	2.19	2.23	2.32	1.96
26	2.43	2.40	2.28	2.19	2.21	2.13	2.11	1.93	2.16	---	2.47	2.17
27	2.42	2.31	2.28	2.19	1.90	2.15	2.09	1.90	2.11	2.30	2.29	2.16
28	2.31	2.38	2.28	2.19	1.88	2.14	2.11	1.88	2.06	2.19	2.18	1.99
29	2.30	2.15	2.27	2.17	1.93	2.13	2.14	1.85	2.09	1.84	2.15	1.94
30	---	2.08	2.27	1.95	---	2.12	2.13	1.83	2.06	1.94	2.33	1.98
31	2.26	---	2.26	1.63	---	2.07	---	1.81	---	2.31	2.23	---
TOTAL	---	69.87	---	67.40	63.55	66.90	---	---	60.60	---	67.64	---
MEAN	---	2.33	---	2.17	2.19	2.16	---	---	2.02	---	2.18	---
MAX	---	2.57	---	2.26	2.45	2.24	---	---	2.27	---	2.57	---
MIN	---	2.08	---	1.63	1.88	1.98	---	---	1.70	---	1.69	---

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, 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	747	265	115	98	651	204	e82	65	117	e93	337	405
2	651	291	85	99	541	90	83	73	104	104	665	474
3	570	292	85	91	535	78	85	154	91	126	676	379
4	588	317	115	102	528	81	81	289	102	146	671	398
5	432	443	119	104	350	90	64	e161	81	126	592	329
6	406	553	216	109	274	105	e54	e85	83	121	544	672
7	e385	672	308	91	343	110	61	80	e114	87	513	722
8	389	623	139	86	347	101	94	78	116	70	521	699
9	335	602	103	103	335	91	106	72	e83	e43	383	691
10	341	587	117	95	337	81	79	84	136	e40	248	604
11	341	544	166	80	259	68	80	72	170	87	376	520
12	345	515	235	92	110	80	72	94	146	134	478	429
13	343	522	121	99	93	e63	147	e70	119	137	424	404
14	332	288	165	112	79	82	406	77	129	126	311	372
15	274	260	318	94	173	89	210	e84	121	243	70	363
16	257	276	323	98	309	113	e35	e71	e87	e51	59	368
17	320	300	338	94	216	107	e18	e70	e84	e-25	59	354
18	263	293	309	111	84	e59	e21	e71	115	e21	75	342
19	137	304	211	115	e65	78	e34	e71	116	122	135	317
20	314	289	e106	96	76	e56	e38	e71	47	310	281	e258
21	152	188	95	93	105	95	59	e59	83	288	280	e47
22	202	189	104	105	105	93	55	72	154	273	294	e29
23	239	134	109	94	116	54	e45	e68	144	240	282	253
24	144	166	123	98	95	65	66	106	126	210	277	413
25	97	206	98	93	207	e67	e48	77	131	194	338	399
26	107	129	97	113	323	e63	77	106	115	e121	283	322
27	131	207	98	112	449	e63	92	118	83	141	288	418
28	201	160	90	74	361	67	e50	104	e75	323	283	459
29	344	292	106	79	279	78	e35	110	e96	485	295	481
30	e323	258	107	283	---	64	57	124	e85	316	205	535
31	354	---	106	488	---	110	---	125	---	108	338	---
TOTAL	10,064	10,165	4,827	3,601	7,745	2,645	2,434	2,961	3,253	4,861	10,581	12,456
MEAN	325	339	156	116	267	85.3	81.1	95.5	108	157	341	415
MAX	747	672	338	488	651	204	406	289	170	485	676	722
MIN	97	129	85	74	65	54	18	59	47	-25	59	29
AC-FT	19,960	20,160	9,570	7,140	15,360	5,250	4,830	5,870	6,450	9,640	20,990	24,710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

	331	248	177	173	171	159	139	176	340	281	323	345
MEAN	331	248	177	173	171	159	139	176	340	281	323	345
MAX	642	727	348	408	408	625	623	650	829	740	920	891
(WY)	(1967)	(1970)	(1970)	(1995)	(1969)	(1970)	(1970)	(1979)	(1968)	(1966)	(1966)	(1966)
MIN	4.64	3.41	1.49	9.39	3.26	28.3	4.87	-4.84	31.3	10.0	1.64	1.94
(WY)	(1994)	(1994)	(1994)	(1994)	(1996)	(1996)	(1998)	(2001)	(1993)	(1993)	(1993)	(1993)

SUMMARY STATISTICS

ANNUAL TOTAL
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

FOR 2004 WATER YEAR

75,593
207

747
-25
37
149,900
452
121
66

WATER YEARS 1963 - 2004

266
518
114
1,550
-64
-13
193,000
558
214
59

e Estimated

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.