

254543080405401 TAMIAMI CANAL AT S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, on south bank 100 ft southwest of structure 12-D, near east boundary of Indian Reservation on U.S. Highway 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1975 to September 1977, October 1978 to September 1979, October 1980 to September 1981 (discharge only), October 1981 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders for upstream and downstream stages. After October 1, 2003, tipping bucket rain gage maintained by the U.S. Army Corps of Engineers. After October 1, 2003, rainfall record is no longer available in the files of the U.S. Geological Survey. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is one of several located downstream from the control structures in Levee 29 at Tamiami Canal. Gage records are primarily used to determine discharge through control structure 12-D. Discharge is the total discharge through the S-12-D structure from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge and stage record for missing periods were fragmentary or missing from the files of the U.S. Geological Survey. Since October 1, 1989, satellite data collection platform. Rainfall data is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003. Upstream gage height records were formerly published under 254543080405400. Upstream gage height records have been relocated under 254543080405401 as "Published upstream" record in the files of the U.S. Geological Survey.

COOPERATION.--Gate-opening records provided by the U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 26 complete water years of discharge (1964-65, 1976-77, 1979, 1981-97, 1999-2001, 2003).

EXTREME UPSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.99 ft Dec. 21, 1994; minimum, 5.16 ft June 19, 1989.

EXTREME UPSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.95 ft Oct. 1; minimum, 7.62 ft June 3.

EXTREME DOWNSTREAM STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.94 ft Dec. 21, 1994; minimum, 4.70 ft June 20, 1989.

EXTREME DOWNSTREAM STAGES FOR CURRENT YEAR.--Maximum gage height, 10.90 ft Oct. 1; minimum, 6.84 ft July 1.

UPSTREAM
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	10.93	10.47	10.13	9.91	10.08	9.68	8.94	8.53	7.74	8.08	8.86	10.03
2	10.90	10.47	10.11	9.91	10.09	9.66	8.91	8.49	7.71	8.11	8.97	10.02
3	10.89	10.46	10.08	9.91	10.08	9.63	8.88	8.56	7.66	8.13	9.10	10.00
4	10.87	10.50	10.06	9.89	---	9.59	8.84	8.77	7.91	8.17	9.15	10.04
5	10.85	10.58	10.05	9.89	---	9.54	8.82	8.77	7.94	8.20	9.17	10.02
6	10.83	10.61	10.08	9.88	10.01	9.51	8.79	8.75	7.93	8.24	9.23	10.06
7	10.81	10.61	10.05	9.90	10.02	9.49	8.76	8.71	7.91	8.23	9.24	10.13
8	10.80	10.61	10.03	9.90	10.02	9.46	8.72	8.66	8.10	8.23	9.25	10.17
9	10.79	10.61	10.00	9.90	9.98	9.42	8.70	8.64	8.16	8.21	9.28	10.21
10	10.77	10.61	10.00	9.91	9.96	9.39	8.69	8.60	8.18	8.19	9.28	10.22
11	10.75	10.59	10.01	9.92	9.94	9.35	8.71	8.55	8.25	8.27	9.26	10.23
12	10.76	10.57	10.00	9.90	9.91	9.30	8.73	8.52	8.18	8.31	9.26	10.24
13	10.74	10.54	9.98	9.88	9.90	9.27	---	8.49	8.11	8.23	9.25	10.25
14	10.76	10.52	10.00	9.88	9.87	9.22	---	8.46	8.03	8.12	---	10.26
15	10.74	10.49	10.05	9.88	9.86	9.19	---	8.43	8.13	8.07	---	10.27
16	10.71	10.47	10.03	9.87	9.87	9.13	8.91	8.41	8.18	8.16	---	10.30
17	10.69	10.44	10.02	9.85	9.85	9.16	8.89	8.38	8.10	8.24	---	10.33
18	10.68	10.40	10.00	9.87	9.83	9.17	8.87	8.35	8.15	8.26	---	10.37
19	10.66	10.38	9.99	9.93	9.78	9.18	8.86	8.31	8.06	8.29	---	10.43
20	10.64	10.37	9.97	9.94	9.75	9.17	8.82	8.28	8.13	8.43	9.55	10.45
21	10.62	10.34	9.95	9.92	9.72	9.15	8.79	8.23	8.17	8.50	9.59	10.43
22	10.60	10.32	9.94	9.91	9.70	9.14	8.77	8.14	8.19	8.52	9.64	10.46
23	10.58	10.29	9.94	9.90	9.67	9.13	8.76	8.07	8.19	8.53	9.68	10.49
24	10.56	10.27	9.94	9.89	9.62	9.10	8.73	8.02	8.06	8.54	9.72	10.50
25	10.55	10.25	9.97	9.87	9.65	9.09	8.70	7.96	7.97	8.59	9.78	10.53
26	10.54	10.24	9.96	9.84	9.76	9.10	8.66	7.94	7.91	8.60	9.83	10.52
27	10.52	10.27	9.95	9.84	9.76	9.08	8.64	7.92	7.81	8.65	9.86	10.57
28	10.51	10.23	9.93	9.86	9.76	9.05	8.62	7.88	7.74	8.70	9.91	10.64
29	10.53	10.19	9.92	9.84	9.72	9.03	8.61	7.85	7.72	8.73	9.96	10.71
30	10.51	10.15	9.90	9.84	---	9.00	8.56	7.80	7.80	8.75	9.97	10.78
31	10.47	---	9.90	9.94	---	8.96	---	7.77	---	8.77	9.99	---
TOTAL	331.56	312.85	309.94	306.57	---	287.34	---	258.24	240.12	259.05	---	309.66
MEAN	10.70	10.43	10.00	9.89	---	9.27	---	8.33	8.00	8.36	---	10.32
MAX	10.93	10.61	10.13	9.94	---	9.68	---	8.77	8.25	8.77	---	10.78
MIN	10.47	10.15	9.90	9.84	---	8.96	---	7.77	7.66	8.07	---	10.00

254543080405401 TAMIAMI CANAL AT S-12-D, NEAR MIAMI, FL--Continued

DOWNSTREAM
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	10.89	10.43	10.11	9.81	8.60	8.72	8.77	8.52	7.28	6.88	7.65	9.52
2	10.86	10.43	10.09	9.73	8.58	8.72	8.75	8.48	7.22	7.01	7.71	9.79
3	10.84	10.43	10.06	9.68	8.58	8.71	8.73	8.54	7.15	7.11	7.81	9.97
4	10.82	10.46	10.03	9.65	---	8.70	8.71	8.73	7.18	7.23	7.87	10.01
5	10.81	10.54	10.02	9.63	---	8.75	8.69	8.72	7.35	7.36	7.83	9.99
6	10.79	10.59	10.05	9.62	8.56	8.80	8.68	8.71	7.31	7.53	7.81	10.03
7	10.77	10.59	10.03	9.52	8.56	8.80	8.67	8.68	7.27	7.46	7.81	10.09
8	10.76	10.59	10.01	9.38	8.56	8.79	8.66	8.64	7.24	7.39	7.81	10.13
9	10.74	10.59	9.98	9.37	8.56	8.79	8.65	8.61	7.23	7.31	7.81	10.17
10	10.73	10.58	9.98	9.36	8.55	8.78	8.63	8.58	7.32	7.34	8.40	10.18
11	10.72	10.56	10.00	9.36	8.55	8.87	8.65	8.53	7.30	7.60	8.87	10.19
12	10.72	10.54	9.97	9.36	8.64	8.95	8.67	8.51	7.33	7.55	8.87	10.20
13	10.70	10.51	9.96	9.35	8.74	8.94	8.76	8.48	7.42	7.49	8.89	10.21
14	10.36	10.49	9.97	9.11	8.74	8.92	8.84	8.44	7.35	7.41	8.94	10.22
15	10.70	10.46	10.02	8.92	8.74	8.91	---	8.41	7.43	7.37	8.95	10.23
16	10.67	10.44	10.00	8.91	8.74	8.88	8.85	8.40	7.62	7.39	8.96	10.26
17	10.65	10.41	9.99	8.90	8.74	8.89	8.84	8.37	7.54	7.32	8.99	10.29
18	10.64	10.37	9.98	8.90	8.74	8.90	8.82	8.34	7.49	7.27	9.00	10.33
19	10.62	10.34	9.96	8.91	8.73	8.90	8.81	8.30	7.50	7.26	8.99	10.39
20	10.60	10.33	9.94	8.90	8.72	8.90	8.78	8.27	7.42	7.45	9.03	10.40
21	10.58	10.31	9.93	8.89	8.72	8.90	8.75	8.22	7.34	7.50	9.04	10.39
22	10.57	10.29	9.92	8.80	8.72	8.89	8.74	8.13	7.29	7.47	9.05	10.42
23	10.55	10.26	9.87	8.61	8.72	8.88	8.72	8.06	7.25	7.42	9.07	10.45
24	10.53	10.25	9.84	8.60	8.71	8.86	8.70	8.01	7.19	7.43	9.09	10.46
25	10.52	10.22	9.86	8.59	8.73	8.87	8.67	7.95	7.12	7.56	9.11	10.49
26	10.51	10.22	9.86	8.58	8.74	8.87	8.64	7.88	7.06	7.53	9.31	10.48
27	10.49	10.24	9.85	8.57	8.73	8.86	8.62	7.74	7.00	7.52	9.46	10.54
28	10.47	10.20	9.83	8.57	8.73	8.84	8.60	7.62	6.95	7.54	9.45	10.61
29	10.50	10.17	9.82	8.56	8.72	8.83	8.59	7.51	6.92	7.54	9.47	10.68
30	10.47	10.13	9.80	8.57	---	8.82	8.55	7.42	6.87	7.52	9.48	10.74
31	10.44	---	9.80	8.58	---	8.79	---	7.34	---	7.54	9.50	---
TOTAL	330.02	311.97	308.53	281.29	---	274.03	---	256.14	217.94	229.30	270.03	307.86
MEAN	10.65	10.40	9.95	9.07	---	8.84	---	8.26	7.26	7.40	8.71	10.26
MAX	10.89	10.59	10.11	9.81	---	8.95	---	8.73	7.62	7.60	9.50	10.74
MIN	10.36	10.13	9.80	8.56	---	8.70	---	7.34	6.87	6.88	7.65	9.52

