Water-Data Report 2013

261543080495000 L28 CANAL ABOVE S-140 NEAR CLEWISTON, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 26°15′43″, long 80°49′50″ referenced to North American Datum of 1927, in SW ¼ sec.34, T.48 S., R.35 E., Broward County, FL, Hydrologic Unit 03090202, Lat 26° 15′36.9″, long 80° 49′49.3″referenced to North American Datum of 1983,on east bank, 300 ft upstream from the northern boundary of the Miccosukee Tribe of Florida and inside the southernboundary of the Big Cypress Seminole Indian Reservation, 3.1 mi east of the intersection of the Broward, Collier and Hendrycounty lines, 6.0 mi north of Pump Station S-140, 6.4 mi north of U.S. Interstate 75, and 33 mi south of Clewiston on theLevee 28 canal.

DRAINAGE AREA.--Indeterminate

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1997 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter (ADVM). Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Seminole Tribe of Florida and USGS Greater Everglades Priority Ecosystems Science.

REMARKS.--Records fair except for discharge below 100 cfs and estimated discharges, which are poor. Flow affected by G-89 and U.S. Sugar Outfall (USSO) culvert structures upstream and pump structure S-140 downstream. Positive flow is to the south. Discharge computed from continuous velocity record obtained from acoustic velocity meter and relations between stage vs. area and index velocity vs. mean channel velocity.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.06 ft Oct. 16, 1999; minimum, 7.84 ft Mar. 7, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.99 ft Oct. 7, 8; minimum, 9.68 ft Dec. 1.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.85	10.85	10.33	11.06	10.63	10.88	10.79	11.16	11.11	11.12	10.97	11.10
2	11.16	10.82	10.43	11.06	10.87	10.85	10.69	10.89	11.23	11.20	10.64	11.48
3	11.64	10.75	10.66	10.96	10.79	10.85	10.72	10.85	11.04	11.40	10.62	11.18
4	11.63	10.70	10.79	11.02	10.50	10.84	10.75	10.69	10.67	11.50	10.61	11.06
5	11.63	10.59	10.43	11.10	10.63	10.84	10.42	11.18	11.00	11.40	10.72	11.03
6	11.51	10.48	10.51	11.10	10.85	10.81	10.24	10.78	10.82	11.28	10.77	11.00
7	11.64	10.43	10.92	10.65	10.55	10.80	10.52	11.13	10.89	11.17	10.93	10.94
8	11.40	10.45	11.18	10.84	10.68	10.80	10.76	10.69	11.21	11.08	10.86	10.87
9	11.21	10.88	11.33	10.61	10.80	10.84	10.87	10.97	11.20	11.03	11.09	10.78
10	11.27	11.27	10.93	10.79	10.78	10.83	10.85	11.13	11.04	11.00	10.81	10.94
11	11.15	10.90	10.74	11.04	10.78	10.83	10.87	11.14	10.94	11.03	10.66	10.96
12	10.94	11.16	10.58	11.02	10.69	10.83	10.84	11.14	10.94	10.97	10.55	10.94
13	10.86	10.80	10.51	11.02	10.70	10.68	10.81	10.81	11.12	10.97	10.62	11.16
14	10.62	10.61	10.53	10.55	10.79	10.63	10.84	10.98	11.09	11.11	10.71	10.86
15	10.78	10.58	10.92	10.73	10.85	10.76	10.87	10.61	11.15	11.19	10.56	10.80
16	10.99	10.99	11.26	10.49	10.85	10.78	10.99	10.78	11.01	11.16	10.50	10.72
17	11.03	10.75	10.97	10.69	10.82	10.79	11.01	11.01	10.81	11.16	10.49	10.75
18	11.15	10.98	10.64	10.92	10.84	10.69	10.99	11.05	10.86	11.25	10.98	11.14
19	11.24	10.76	10.46	10.93	10.86	10.62	10.98	11.07	11.19	11.20	10.72	11.11
20	11.41	10.44	10.53	10.95	10.84	10.61	10.98	11.08	11.20	11.14	10.56	11.10
21	11.33	10.74	10.94	10.95	10.79	10.75	11.03	11.08	11.02	11.16	10.44	11.06
22	11.25	11.05	11.18	10.49	10.83	10.81	10.86	11.11	10.93	11.11	10.45	10.99
23	11.16	11.18	10.92	10.68	10.88	10.80	10.68	10.84	10.74	11.02	10.92	10.96
24	11.07	10.74	10.95	10.47	10.86	10.80	11.15	11.00	10.62	10.98	10.73	11.04
25	10.90	10.34	11.14	10.66	10.85	10.77	10.63	11.07	10.84	10.90	11.06	11.07
26	10.84	10.55	10.71	10.88	10.89	10.74	11.03	11.06	11.09	10.95	10.65	11.11
27	10.79	10.47	10.81	10.90	10.85	10.72	11.22	11.07	11.12	11.04	10.49	11.14
28	10.72	10.66	11.07	10.49	10.92	10.71	11.20	11.05	11.10	11.03	10.55	11.08
29	10.81	10.52	11.23	10.67	---	10.70	11.19	11.05	11.06	11.02	---	11.01
30	10.87	10.65	10.73	10.92	---	10.78	10.74	11.07	11.09	10.98	---	10.92
31	10.87	---	10.86	10.45	---	10.81	---	11.05	---	10.94	10.61	---
Total	344.72	322.09	335.19	335.09	301.97	333.95	325.52	340.59	330.13	344.49	---	330.30
Mean	11.12	10.74	10.81	10.81	10.78	10.77	10.85	10.99	11.00	11.11	---	11.01
Max	11.64	11.27	11.33	11.10	10.92	10.88	11.22	11.18	11.23	11.50	---	11.48
Min	10.62	10.34	10.33	10.45	10.50	10.61	10.24	10.61	10.62	10.90	---	10.72

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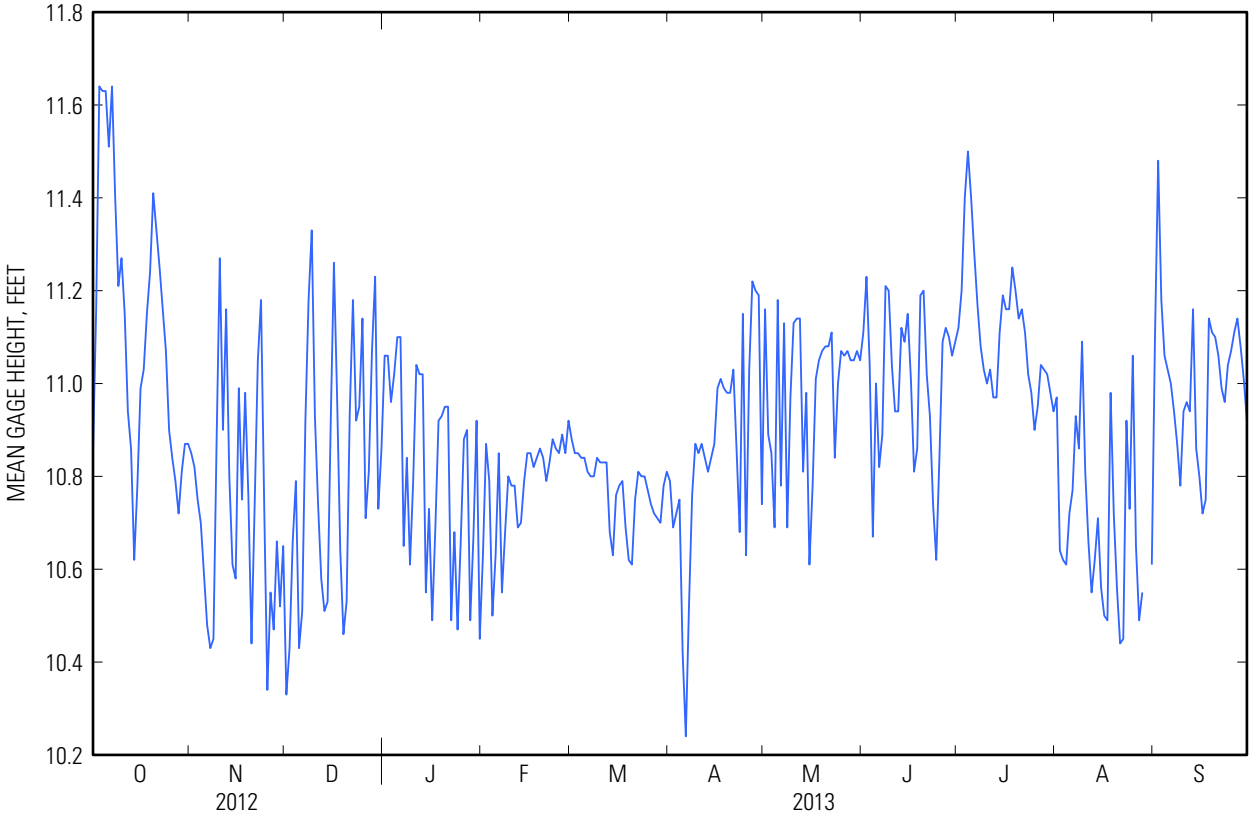

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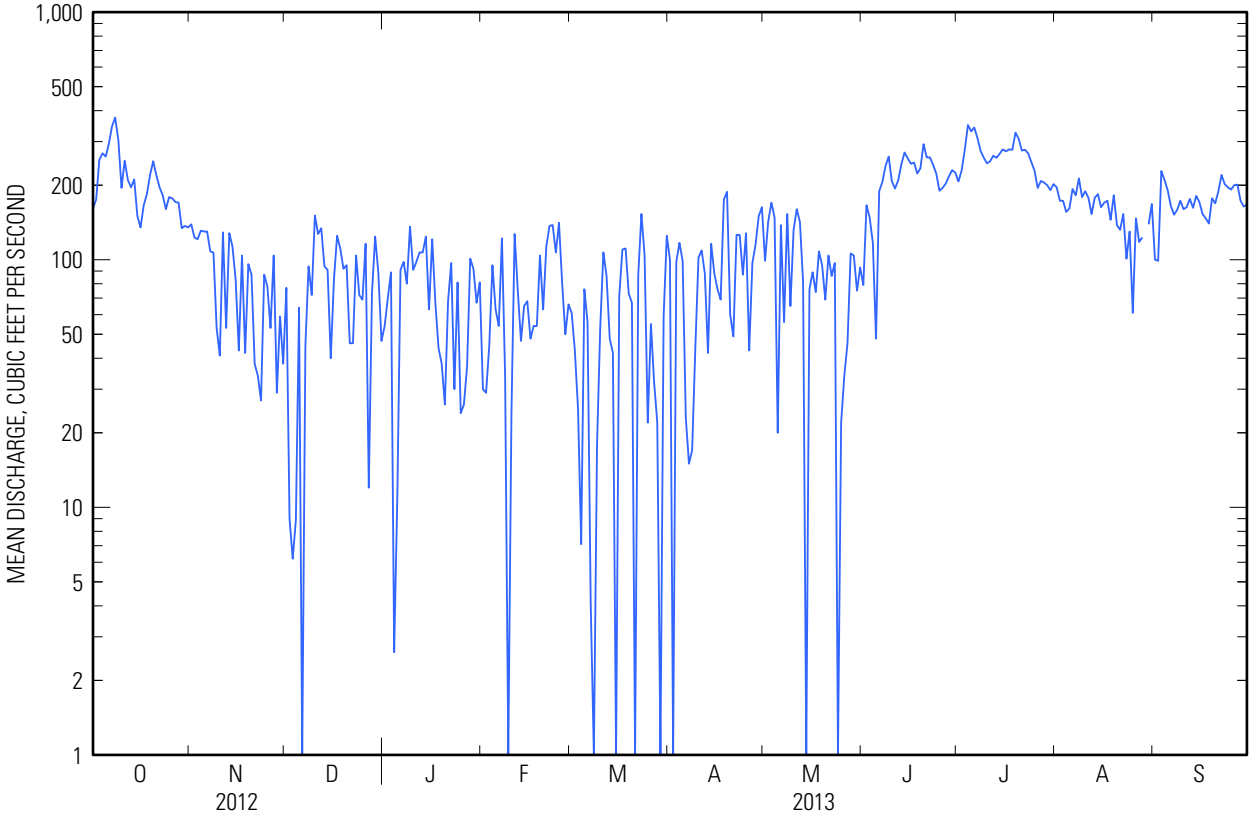
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	161	139	77	54	30	61	100	99	79	207	196	100
2	175	123	9.0	70	29	43	-3.2	143	166	229	173	99
3	253	121	6.2	89	45	25	98	170	148	278	173	228
4	269	131	8.9	2.6	95	7.1	117	148	117	350	156	210
5	261	130	64	11	63	76	99	20	48	330	161	191
6	294	130	-1.3	91	54	56	23	138	189	342	193	165
7	346	108	45	98	122	4.1	15	56	206	310	182	152
8	375	107	94	80	34	-6.5	17	153	239	275	213	159
9	304	53	72	136	-1.9	18	44	65	261	258	179	173
10	195	41	151	91	24	53	102	132	207	245	189	160
11	251	129	127	98	127	107	109	160	194	250	178	163
12	210	53	134	107	75	86	88	142	209	263	153	176
13	196	128	94	107	47	48	42	81	243	258	178	162
14	211	113	91	124	65	42	116	-55	271	268	184	181
15	150	83	40	63	68	-13	88	76	257	279	163	171
16	135	43	83	121	48	71	76	89	244	274	170	153
17	166	104	125	67	54	110	69	74	247	279	173	147
18	184	42	111	44	54	111	175	108	223	278	145	140
19	220	96	92	38	104	73	188	95	234	326	182	177
20	250	87	95	26	63	67	60	69	293	308	138	169
21	219	38	46	68	113	-12	49	104	259	276	132	189
22	196	34	46	97	137	87	126	86	259	278	153	220
23	182	27	104	30	138	153	126	97	242	269	101	202
24	160	87	72	81	107	104	87	-42	223	248	130	196
25	179	78	69	24	141	22	128	22	190	229	61	192
26	177	53	116	26	80	55	43	34	195	195	147	200
27	171	104	12	37	50	32	97	46	203	208	118	201
28	170	29	73	101	66	22	115	106	217	205	123	173
29	134	59	124	92	---	-5.7	150	104	230	200	---	164
30	137	38	89	67	---	59	163	75	225	191	e139	167
31	135	---	47	81	---	125	---	93	---	202	168	---
Total	6,466	2,508	2,315.8	2,221.6	2,031.1	1,680.0	2,706.8	2,688	6,318	8,108	---	5,180
Mean	209	83.6	74.7	71.7	72.5	54.2	90.2	86.7	211	262	---	173
Max	375	139	151	136	141	153	188	170	293	350	---	228
Min	134	27	-1.3	2.6	-1.9	-13	-3.2	-55	48	191	---	99
Ac-ft	12,830	4,970	4,590	4,410	4,030	3,330	5,370	5,330	12,530	16,080	---	10,270

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