

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

LOCATION.--Lat 26°31'10", long 80°20'50", in T.45 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2003, a tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 converted through VERTCON using the NAVD 88 survey levels from a benchmark provided by Florida Department of Environmental Protection (FDEP). The current datum of gage that started October 1, 2003, is at a datum 0.102 ft lower than previously published historic NGVD 1929 datum. Prior to October 1, 2003, datum of gage was historic NGVD 1929 (benchmark provided by U.S. Army Corps of Engineers (USACE)).

REMARKS.--Land surface is approximately 15 ft above National Geodetic Vertical datum of 1929 (Benchmark provided by FDEP converted from NAVD 88 survey levels through VERTCON to NGVD 1929). Station is one of several located in Conservation Area No. 1. Gage is capable of recording water levels below land-surface datum. Rainfall is not published, but is available in files of the U.S. Geological Survey. The rainfall record was discontinued September 30, 2003.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.12 ft Nov. 17, 18, 1994 (present datum); minimum, 14.75 ft May 22, 2001 (present datum). (Corrected).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.20 ft Sept. 29, 30; minimum, 15.41 ft June 4.

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	17.04	16.69	16.73	16.71	16.66	16.55	16.20	15.92	15.48	15.63	15.91	16.25
2	17.05	16.70	16.71	16.70	16.66	16.54	16.18	15.90	15.46	15.61	16.01	16.25
3	17.05	16.73	16.70	16.70	16.65	16.53	16.16	15.92	15.43	15.65	16.06	16.25
4	17.08	16.74	16.69	16.69	16.65	16.52	16.14	16.01	15.51	15.74	16.09	16.32
5	17.08	16.80	16.70	16.69	16.64	16.51	16.13	15.99	15.65	15.75	16.13	16.65
6	17.07	16.87	16.73	16.68	16.63	16.50	16.11	15.97	15.72	15.74	16.12	16.79
7	17.06	16.89	16.72	16.67	16.63	16.49	16.10	15.94	15.75	15.72	16.09	16.82
8	17.04	16.89	16.71	16.66	16.61	16.47	16.08	15.92	15.82	15.70	16.07	16.82
9	17.02	16.89	16.70	16.65	16.61	16.45	16.07	15.90	15.82	15.68	16.05	16.82
10	17.00	16.89	16.71	16.64	16.60	16.43	16.06	15.89	15.84	15.65	16.04	16.82
11	16.99	16.89	16.73	16.62	16.60	16.41	16.05	15.87	15.82	15.63	16.04	16.82
12	16.97	16.89	16.72	16.61	16.59	16.40	16.07	15.85	15.81	15.65	16.05	16.81
13	16.95	16.89	16.71	16.61	16.58	16.39	16.13	15.84	15.79	15.67	16.10	16.80
14	16.93	16.89	16.77	16.60	16.58	16.37	16.15	15.82	15.76	15.65	16.10	16.79
15	16.92	16.88	16.84	16.59	16.58	16.37	16.13	15.80	15.76	15.63	16.09	16.78
16	16.90	16.88	16.83	16.58	16.57	16.41	16.12	15.80	15.74	15.62	16.09	16.77
17	16.88	16.87	16.82	16.57	16.56	16.45	16.10	15.79	15.72	15.62	16.07	16.74
18	16.87	16.86	16.80	16.58	16.55	16.43	16.08	15.77	15.73	15.62	16.06	16.71
19	16.85	16.86	16.79	16.60	16.53	16.41	16.06	15.76	15.71	15.64	16.06	16.68
20	16.83	16.85	16.78	16.59	16.53	16.39	16.05	15.74	15.69	15.63	16.08	16.66
21	16.82	16.83	16.77	16.58	16.52	16.37	16.03	15.72	15.71	15.61	16.07	16.91
22	16.81	16.82	16.76	16.58	16.51	16.36	16.02	15.70	15.78	15.59	16.10	17.00
23	16.79	16.81	16.77	16.57	16.50	16.34	16.00	15.68	15.76	15.60	16.18	16.95
24	16.77	16.81	16.77	16.56	16.49	16.32	15.99	15.66	15.76	15.64	16.19	16.90
25	16.76	16.80	16.76	16.54	16.52	16.31	15.97	15.63	15.76	15.68	16.24	16.89
26	16.77	16.79	16.76	16.54	16.60	16.29	15.96	15.61	15.74	15.80	16.24	17.15
27	16.75	16.78	16.75	16.54	16.59	16.27	15.94	15.59	15.71	15.80	16.23	17.16
28	16.74	16.77	16.74	16.53	16.57	16.25	15.94	15.57	15.69	15.82	16.22	17.16
29	16.73	16.75	16.73	16.52	16.56	16.24	15.93	15.55	15.67	15.84	16.24	17.17
30	16.72	16.73	16.73	16.52	---	16.23	15.94	15.53	15.66	15.82	16.25	17.20
31	16.70	---	16.72	16.59	---	16.22	---	15.51	---	15.83	16.25	---
TOTAL	523.94	504.74	519.15	514.81	480.87	508.22	481.89	489.15	471.25	486.26	499.52	503.84
MEAN	16.90	16.82	16.75	16.61	16.58	16.39	16.06	15.78	15.71	15.69	16.11	16.79
MAX	17.08	16.89	16.84	16.71	16.66	16.55	16.20	16.01	15.84	15.84	16.25	17.20
MIN	16.70	16.69	16.69	16.52	16.49	16.22	15.93	15.51	15.43	15.59	15.91	16.25