Water-Data Report 2008

251457080395800 TAYLOR SLOUGH WETLAND AT E146 NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°14′57″, long 80°39′58″ referenced to North American Datum of 1983, Miami-Dade County, FL, Hydrologic Unit 03090202, approximately 13 mi southwest of Pine Island in Taylor Slough of Everglades National Park.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Satellite data collection platform with water-stage pressure sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records excellent. During periods of missing record, values may be higher or lower than the listed extremes. During the dry season this site normally dries out. Gage height records are available in the files of the U.S. Geological Survey. Gage height 15 minute data can also be accessed online at http://sofia.usgs.gov/. Daily values are available online at http://waterdata.usgs.gov/nwis.

EXTREMES FOR PERIOD OF RECORD.--
GAGE HEIGHT: Maximum gage height, 1.46 ft Aug. 27, 2005; minimum, -0.743 ft Feb. 11, 12, 2008 (last recorded gage height as wetland water levels declined).

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 0.7 ft Oct. 1; minimum, -0.473 ft Feb. 11, 12 (first recorded gage height as wetland water levels reemerged).

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.70	0.22	-0.19	e-0.40	-0.63	-0.58	---	---	---	-0.55	-0.27	0.41
2	0.76	0.19	-0.20	-0.41	-0.63	-0.59	---	---	---	-0.59	-0.24	0.39
3	0.73	0.17	e-0.21	-0.44	-0.64	-0.60	---	---	---	-0.61	-0.22	0.36
4	0.71	0.14	-0.22	-0.44	-0.65	-0.61	---	---	---	-0.63	-0.20	0.33
5	0.68	0.12	e-0.23	-0.44	-0.66	-0.62	---	---	---	-0.65	-0.18	0.31
6	0.64	0.10	-0.25	-0.44	-0.66	-0.62	---	---	---	-0.65	-0.20	0.34
7	0.61	0.09	-0.25	-0.45	-0.67	-0.63	-0.55	---	---	-0.65	-0.22	0.36
8	0.57	0.07	-0.26	-0.46	-0.68	-0.63	-0.56	---	---	-0.58	-0.24	0.34
9	0.52	0.06	-0.26	-0.46	-0.69	-0.65	-0.56	---	---	-0.56	-0.26	0.39
10	0.49	0.05	-0.27	-0.47	-0.70	-0.66	-0.56	---	---	-0.56	-0.26	0.51
11	0.46	0.03	-0.28	-0.47	-0.72	-0.66	-0.57	---	---	-0.56	-0.22	0.51
12	0.43	0.02	-0.29	-0.48	-0.68	-0.66	-0.58	---	---	-0.56	-0.22	0.51
13	0.41	e0.00	-0.30	-0.48	-0.61	-0.67	-0.58	---	---	-0.55	-0.24	0.48
14	0.40	-0.01	-0.29	-0.50	-0.60	-0.69	-0.60	---	---	-0.52	-0.25	0.44
15	0.35	-0.01	-0.30	-0.51	-0.60	-0.69	-0.63	---	---	-0.48	-0.23	0.41
16	0.32	-0.04	e-0.31	-0.52	-0.61	---	-0.65	---	---	-0.43	-0.22	0.40
17	0.29	-0.06	-0.32	-0.52	-0.62	---	-0.66	---	---	-0.39	-0.19	0.39
18	0.28	-0.08	-0.33	-0.52	-0.62	---	-0.67	---	---	-0.36	-0.04	0.39
19	0.26	-0.09	-0.34	-0.53	-0.59	---	-0.68	---	---	-0.33	0.27	0.41
20	0.25	-0.10	-0.34	-0.53	-0.58	---	-0.69	---	---	-0.32	0.48	0.40
21	0.24	-0.12	-0.34	-0.55	-0.59	---	-0.70	---	-0.51	-0.32	0.56	0.39
22	0.22	e-0.13	-0.35	-0.55	-0.59	---	---	---	-0.37	-0.32	0.56	0.38
23	0.20	-0.14	-0.36	-0.55	e-0.60	---	---	---	-0.39	-0.33	0.53	0.35
24	0.19	-0.15	-0.36	-0.56	-0.61	---	---	---	-0.42	-0.33	0.49	0.33
25	0.17	-0.15	-0.37	-0.57	-0.62	---	---	---	-0.44	-0.32	0.46	0.31
26	0.19	-0.16	-0.37	-0.58	-0.63	---	---	---	-0.47	-0.33	0.41	0.30
27	0.24	-0.16	-0.38	-0.58	-0.54	---	---	---	-0.51	-0.33	0.37	0.35
28	0.23	-0.17	-0.38	-0.60	-0.56	---	---	---	-0.54	-0.32	0.32	0.44
29	0.21	-0.18	-0.39	-0.60	-0.57	---	---	---	-0.57	-0.30	0.29	0.52
30	0.20	-0.18	-0.39	-0.61	---	---	---	---	-0.60	-0.29	0.33	0.57
31	0.23	---	-0.39	-0.62	---	---	---	---	---	-0.28	0.41	---
Mean	0.39	-0.02	-0.31	-0.51	-0.63	---	---	---	---	-0.45	0.05	0.40
Max	0.76	0.22	-0.19	-0.40	-0.54	---	---	---	---	-0.28	0.56	0.57
Min	0.17	-0.18	-0.39	-0.62	-0.72	---	---	---	---	-0.65	-0.27	0.30

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: October 2003 to current year.
WATER TEMPERATURE: October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor near the bottom.

REMARKS.--Specific conductance record rated excellent. Water temperature record rated excellent. During periods of missing record values may be higher or lower than the listed extremes. Specific conductance and water temperature records are available in files of the U.S. Geological Survey. Specific conductance, salinity, and water temperature 15 minute data can also be accessed online at http://sofia.usgs.gov/. Daily values are available online at http://waterdata.usgs.gov/nwis.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,500 µS/cm @25C June 20, 21, 22, 2008 and July 14, 2008; minimum recorded, 121 µS/cm @25C Sept. 20, 2005.
WATER TEMPERATURE: Maximum recorded, 39.3°C July 4, 2008; minimum recorded, 6.8°C Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,500 µS/cm @25C June 20, 21, 22, and July 14; minimum recorded, 194 µS/cm @25C Oct. 4.
WATER TEMPERATURE: Maximum recorded, 39.3°C July 4; minimum recorded, 6.8°C Jan 3.

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	211	257	456	---	1,030	1,350	---	---	---	---	542	300
2	203	258	466	862	1,050	1,360	---	---	---	---	535	302
3	206	263	---	882	1,050	1,360	---	---	---	---	551	310
4	206	272	493	888	1,070	1,370	---	---	---	---	586	311
5	211	282	---	902	1,080	1,370	---	---	---	---	595	313
6	218	302	522	913	1,100	1,370	---	---	---	---	581	313
7	219	314	540	904	1,110	1,390	926	---	---	---	571	294
8	219	320	561	894	1,130	1,360	851	---	---	---	544	291
9	221	327	577	894	---	1,380	827	---	---	---	497	297
10	224	330	593	899	---	1,410	703	---	---	---	499	277
11	226	329	608	906	---	1,400	605	---	---	---	446	270
12	231	329	624	911	---	1,380	598	---	---	---	435	270
13	238	---	636	908	---	---	648	---	---	---	413	275
14	243	335	652	911	1,200	---	712	---	---	---	443	281
15	245	336	670	901	1,250	---	758	---	---	1,300	434	289
16	247	339	---	916	1,280	---	808	---	---	---	416	288
17	247	340	694	914	1,290	---	826	---	---	---	411	292
18	249	360	715	928	1,300	---	689	---	---	1,350	370	296
19	248	377	734	923	1,190	---	503	---	---	1,190	320	302
20	250	374	750	925	1,290	---	497	---	---	1,130	335	297
21	255	373	758	929	1,350	---	---	---	---	1,070	360	301
22	254	---	796	934	1,380	---	---	---	---	997	333	299
23	256	391	818	937	---	---	---	---	---	888	298	296
24	258	398	831	937	1,400	---	---	---	---	862	288	305
25	265	407	837	944	1,410	---	---	---	---	814	294	313
26	270	416	852	964	1,420	---	---	---	---	809	294	315
27	269	424	851	950	1,140	---	---	---	---	805	296	321
28	269	433	850	982	1,300	---	---	---	---	743	312	308
29	267	439	855	995	1,320	---	---	---	---	652	326	282
30	263	445	853	1,000	---	---	---	---	---	584	333	256
31	257	---	862	1,020	---	---	---	---	---	539	320	---
Mean	240	---	---	---	---	---	---	---	---	---	419	295
Max	270	---	---	---	---	---	---	---	---	---	595	321
Min	203	---	---	---	---	---	---	---	---	---	288	256

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25.5	26.6	23.6	---	20.9	21.1	---	---	---	29.8	31.9	31.3
2	26.7	26.2	23.3	15.9	22.1	21.5	---	---	---	29.2	32.0	31.5
3	28.9	25.6	---	11.0	21.4	23.1	---	---	---	29.5	31.2	31.1
4	30.5	23.7	22.3	13.8	22.2	24.7	---	---	---	30.9	29.1	30.3
5	30.6	22.8	---	16.6	22.0	25.8	---	---	---	28.7	30.3	30.2
6	29.9	22.8	21.9	18.9	23.0	25.6	---	---	---	29.7	31.5	31.0
7	29.6	22.5	22.3	19.6	23.2	25.5	25.6	---	---	29.5	31.0	31.4
8	29.4	22.0	22.4	20.6	23.0	23.1	25.2	---	---	29.4	30.7	29.9
9	29.0	22.1	22.6	20.0	23.0	17.8	26.1	---	---	30.1	31.1	27.1
10	29.2	22.2	22.0	20.3	21.6	20.8	25.6	---	---	30.6	29.2	27.3
11	29.7	21.7	22.1	20.5	18.7	22.0	26.6	---	---	30.9	28.4	28.5
12	29.6	22.6	21.9	21.0	20.3	23.6	27.1	---	---	29.3	28.9	29.7
13	28.0	---	22.3	21.7	23.1	22.2	27.6	---	---	27.6	30.7	30.6
14	27.5	22.8	24.1	21.4	21.6	22.0	24.1	---	---	27.7	30.8	31.0
15	27.4	23.0	24.2	18.0	21.3	24.0	20.7	---	---	26.9	31.2	31.4
16	28.5	20.7	---	18.3	22.6	---	20.4	---	---	29.0	31.2	31.1
17	29.7	19.7	17.7	21.3	22.9	---	21.5	---	---	31.2	29.7	30.6
18	30.1	21.1	16.4	22.5	24.9	---	23.4	---	---	32.1	26.4	29.6
19	30.1	21.3	17.7	22.7	21.9	---	24.3	---	---	32.1	28.0	29.8
20	29.1	22.1	18.8	20.2	21.5	---	24.9	---	27.4	32.0	30.0	30.7
21	28.7	22.1	20.3	18.6	24.2	---	---	---	28.7	32.0	30.5	31.0
22	29.0	---	19.1	20.9	25.0	---	---	---	28.9	31.9	30.6	31.4
23	28.8	22.4	19.7	22.4	---	---	---	---	30.2	30.3	31.8	30.3
24	28.7	22.7	20.1	22.9	25.2	---	---	---	29.5	28.8	31.9	29.3
25	26.7	23.2	21.1	20.5	25.6	---	---	---	30.1	29.7	32.1	28.1
26	24.9	23.3	21.1	19.3	25.0	---	---	---	29.2	30.8	32.6	27.2
27	26.2	24.0	21.3	19.9	20.9	---	---	---	30.7	30.2	32.5	26.6
28	27.0	24.3	21.7	16.0	16.7	---	---	---	31.1	31.3	32.2	27.2
29	27.1	24.2	22.1	17.7	18.7	---	---	---	30.8	31.6	31.5	28.4
30	26.6	24.0	22.7	19.2	---	---	---	---	31.3	32.3	29.0	28.2
31	26.6	---	22.9	20.1	---	---	---	---	---	31.7	29.3	---
Mean	28.4	---	---	---	---	---	---	---	---	30.2	30.6	29.7
Max	30.6	---	---	---	---	---	---	---	---	32.3	32.6	31.5
Min	24.9	---	---	---	---	---	---	---	---	26.9	26.4	26.6