Water-Data Report 2009

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°30′44″, long 80°55′59″ referenced to North American Datum of 1983, in sec.21, T.56 S., R.40 E., Monroe County, FL, Hydrologic Unit 03090202, located approximately 21 mi south of Tamiami Trail and Highway 41, west of the Miami-Dade County line.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2005 to current year.

GAGE.--Satellite data collection platform with shallow-vented pressure transducer. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. During periods in the dry season, water levels are too low or non-existent for sensor to record. During periods of missing record, values may be higher or lower than the listed extremes. Gage height data 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, 1.42 ft Sept. 10, 2008; minimum, -0.62 ft Apr. 26, 2009, May 12, 2009.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 1.38 ft Oct. 1-4; minimum, -0.62 ft Apr. 26, May 12.

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.36	1.12	0.78	0.54	0.25	-0.03	-0.13	---	0.12	0.75	0.52	0.54
2	1.38	1.11	0.77	0.52	0.24	-0.04	-0.14	---	0.21	0.82	0.48	0.55
3	1.38	1.10	0.75	0.51	0.25	-0.05	-0.14	---	0.22	0.80	0.45	0.58
4	1.37	1.09	0.73	---	0.24	-0.07	-0.14	---	0.23	0.75	0.42	0.64
5	1.36	1.07	0.72	0.50	0.22	-0.08	-0.15	---	0.23	0.72	0.40	0.77
6	1.33	1.05	0.71	0.49	0.21	-0.08	-0.17	---	0.25	0.71	0.41	0.81
7	1.30	1.04	0.71	0.49	0.20	-0.10	-0.17	---	0.27	0.67	0.41	0.79
8	1.27	1.03	0.70	0.48	0.19	-0.10	-0.18	---	0.24	0.64	0.42	0.78
9	1.27	1.02	0.69	0.47	0.18	-0.11	-0.20	---	0.23	0.61	0.42	0.78
10	1.29	1.00	0.69	0.46	0.17	-0.12	-0.22	---	0.22	0.57	0.42	0.84
11	1.28	0.98	0.70	---	0.16	-0.13	-0.24	---	0.22	0.53	0.43	0.86
12	1.27	0.97	0.72	0.44	0.15	-0.14	-0.25	---	0.22	0.48	0.45	0.88
13	1.25	0.98	0.71	0.44	0.15	-0.14	-0.27	-0.55	0.25	0.45	0.55	0.90
14	1.23	0.97	0.69	0.43	0.14	-0.15	-0.29	-0.55	0.34	0.43	0.55	0.92
15	1.20	0.97	0.69	0.41	0.13	-0.17	-0.31	-0.51	0.34	0.41	0.53	0.94
16	1.18	0.96	0.68	0.40	0.12	-0.18	-0.33	-0.42	0.35	0.39	0.52	0.95
17	1.17	0.92	0.68	0.39	0.11	-0.18	-0.36	---	0.41	0.39	0.51	0.97
18	1.17	0.89	0.66	0.37	0.09	-0.15	-0.39	-0.40	0.41	0.38	0.50	0.99
19	1.17	0.86	0.64	0.37	0.08	-0.07	-0.43	-0.30	0.42	0.36	0.50	1.00
20	1.16	0.84	0.64	0.36	0.07	-0.07	-0.45	-0.29	0.44	0.37	0.49	1.01
21	1.14	0.82	---	0.35	0.06	-0.06	-0.46	-0.28	0.45	0.36	0.50	1.03
22	1.13	0.81	0.62	0.34	0.04	-0.06	-0.49	-0.27	0.45	0.40	0.50	1.02
23	1.15	0.79	0.60	0.33	0.03	-0.07	-0.52	-0.26	0.49	0.57	0.53	1.00
24	1.23	0.77	0.60	0.32	0.02	-0.07	-0.56	-0.22	0.55	0.66	0.60	0.97
25	1.23	0.77	0.60	0.31	0.01	-0.08	-0.59	-0.15	0.57	---	0.61	0.95
26	1.24	0.77	0.60	0.30	0.00	-0.09	---	-0.12	0.62	---	0.59	0.91
27	1.23	0.76	0.59	0.29	-0.01	-0.09	---	-0.06	0.71	0.70	0.56	0.89
28	1.21	0.75	---	0.29	-0.02	-0.10	---	-0.02	0.70	0.67	0.55	0.88
29	1.18	0.74	0.56	0.28	---	-0.10	---	0.06	0.70	0.62	0.55	0.87
30	1.16	0.74	0.55	0.27	---	-0.11	---	0.08	0.70	0.59	0.54	0.85
31	1.14	---	0.55	0.26	---	-0.12	---	0.10	---	0.56	0.53	---
Mean	1.24	0.92	---	---	0.12	-0.10	---	---	0.39	---	0.50	0.86
Max	1.38	1.12	---	---	0.25	-0.03	---	---	0.71	---	0.61	1.03
Min	1.13	0.74	---	---	-0.02	-0.18	---	---	0.12	---	0.40	0.54

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: November 2005 to current year.
WATER TEMPERATURE: November 2005 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Specific conductance record rated excellent. Water temperature record rated excellent except for Dec. 18 to Mar. 13, rated good. During periods in the dry season, water levels are too low or non-existent for sensor to record. During periods of missing record, values may be higher or lower than the listed extremes. Specific conductance and water temperature records are available in the files of the U.S. Geological Survey. Specific conductance 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, 2470 µS/cm @25°C June 2, 2008; minimum recorded, 250 µS/cm @25°C Aug. 14, 2006 and Apr. 10, 11, 2007.
WATER TEMPERATURE: Maximum recorded, 36.5°C Aug. 13, 2006; minimum recorded, 7.7°C Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,020 µS/cm @25°C May 15; minimum recorded, 300 µS/cm @25°C July 27, 28.
WATER TEMPERATURE: Maximum recorded, 35.7°C Aug. 2-4; minimum recorded, 10.8°C Feb. 5.

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	469	491	498	580	591	657	700	---	498	443	359	458
2	477	523	491	542	608	632	696	---	449	398	368	472
3	515	528	490	542	682	637	706	---	448	415	374	484
4	557	542	488	---	585	644	752	---	435	426	381	503
5	513	520	486	586	581	654	720	---	430	418	387	398
6	483	507	484	599	607	652	711	---	427	438	393	419
7	516	524	482	596	637	657	723	---	424	432	405	491
8	552	519	482	628	666	663	767	---	438	436	402	513
9	555	495	482	598	682	667	788	---	466	463	408	504
10	501	502	486	566	703	665	783	---	485	464	402	562
11	525	537	485	---	707	670	773	---	454	429	418	538
12	572	548	479	589	730	672	778	---	457	440	410	515
13	591	519	478	642	722	672	786	909	466	451	396	505
14	627	537	480	628	702	676	791	971	411	443	385	528
15	583	531	482	558	681	680	804	957	406	440	395	562
16	550	474	484	541	636	683	814	919	402	448	380	524
17	533	460	481	542	621	691	814	---	390	451	384	513
18	548	459	497	557	631	703	832	904	454	456	387	483
19	602	464	543	608	633	660	847	846	430	439	405	531
20	543	471	546	603	620	610	846	831	452	443	411	536
21	526	475	---	537	620	627	866	823	465	447	432	514
22	547	480	523	543	641	636	880	818	514	440	428	545
23	522	485	507	555	644	631	891	799	565	454	424	482
24	536	489	570	566	632	626	907	760	493	473	398	498
25	516	498	604	580	626	636	---	760	501	---	420	483
26	553	501	622	601	634	639	---	758	563	---	413	571
27	555	502	610	626	643	652	---	686	526	369	440	547
28	483	499	---	690	652	733	---	625	483	313	459	576
29	451	499	595	704	---	731	---	557	467	391	433	610
30	470	499	549	716	---	677	---	538	500	345	430	597
31	484	---	578	579	---	699	---	523	---	341	477	---
Mean	531	503	---	---	647	662	---	---	463	---	407	515
Max	627	548	---	---	730	733	---	---	565	---	477	610
Min	451	459	---	---	581	610	---	---	390	---	359	398

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28.4	22.4	21.3	21.4	16.0	20.5	25.6	---	28.2	29.6	31.5	30.6
2	29.2	23.4	20.1	21.1	17.7	17.6	25.4	---	27.8	29.8	32.0	29.9
3	29.4	24.3	18.2	21.0	19.3	16.1	25.4	---	27.8	30.5	32.2	29.6
4	28.7	24.7	18.7	---	16.4	16.1	26.5	---	28.5	31.9	32.2	29.3
5	28.1	24.2	19.4	21.5	13.4	17.7	25.7	---	29.2	31.8	31.1	28.0
6	28.7	23.5	19.8	22.0	13.7	18.6	26.0	---	28.8	31.9	29.8	27.7
7	29.3	24.0	20.3	22.5	15.3	18.7	22.6	---	28.0	32.5	30.2	29.5
8	29.7	24.5	19.7	21.9	16.2	20.2	20.0	---	28.0	32.9	31.1	30.5
9	30.2	24.2	20.6	20.6	17.2	20.2	20.4	---	28.9	32.9	31.5	30.7
10	30.1	23.4	21.6	20.2	18.4	20.3	21.2	---	29.8	31.1	31.0	30.2
11	30.1	23.7	22.0	---	19.6	20.5	23.9	---	29.9	30.5	30.5	29.8
12	30.1	24.6	21.2	21.0	21.0	20.3	24.9	---	29.7	30.9	30.4	29.4
13	29.3	25.4	19.1	21.3	22.1	20.3	24.7	24.6	29.3	31.0	29.8	29.3
14	28.4	26.0	19.6	20.2	22.4	20.7	25.1	25.3	29.6	31.2	30.1	29.9
15	27.9	26.4	20.7	18.5	22.7	21.3	24.7	24.7	30.6	31.2	29.9	30.5
16	27.6	24.3	21.3	17.9	21.6	21.4	25.2	25.5	30.8	30.8	29.6	30.7
17	27.7	21.0	21.8	17.3	19.5	21.7	23.2	---	30.6	31.4	31.1	31.1
18	27.9	20.1	21.7	17.5	19.4	21.9	21.8	24.9	31.3	31.8	31.1	30.5
19	27.8	18.6	21.7	18.2	20.3	21.8	21.8	24.2	30.1	31.0	30.8	30.6
20	26.9	18.6	21.7	18.0	20.2	21.3	22.4	24.6	30.8	29.6	31.5	30.3
21	26.6	18.9	---	15.4	18.1	21.4	23.1	26.6	31.5	29.5	31.8	30.1
22	26.5	18.9	21.2	14.1	19.5	21.5	21.9	26.5	32.0	29.6	31.3	30.5
23	26.1	19.0	20.5	14.9	20.4	21.1	22.3	27.1	30.6	29.4	31.0	30.4
24	25.8	19.1	21.4	16.2	20.0	20.2	21.6	26.7	29.4	29.3	30.0	30.6
25	26.6	19.8	22.1	17.4	19.8	20.2	---	27.1	29.8	---	30.2	30.7
26	27.1	20.0	22.6	18.3	19.5	20.8	---	27.2	29.8	---	30.3	30.9
27	26.6	19.6	22.5	19.2	19.8	21.7	---	26.7	29.6	28.8	30.8	30.7
28	23.5	19.5	---	20.5	20.4	23.9	---	27.4	30.6	30.4	31.3	30.4
29	20.8	19.9	22.5	21.2	---	24.7	---	27.9	30.0	30.1	31.7	30.7
30	20.9	21.0	22.2	21.0	---	23.7	---	27.8	29.8	29.6	31.8	30.1
31	21.3	---	22.0	17.1	---	25.1	---	28.0	---	30.7	31.6	---
Mean	27.3	22.1	---	---	18.9	20.7	---	---	29.7	---	30.9	30.1
Max	30.2	26.4	---	---	22.7	25.1	---	---	32.0	---	32.2	31.1
Min	20.8	18.6	---	---	13.4	16.1	---	---	27.8	---	29.6	27.7