

Water-Data Report 2011

**253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°30'43.65", long 80°55'59.35" referenced to North American Datum of 1983, 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 poor. 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, indeterminate, below sensor for many days during the dry season.

EXTREMES FOR CURRENT YEAR.--

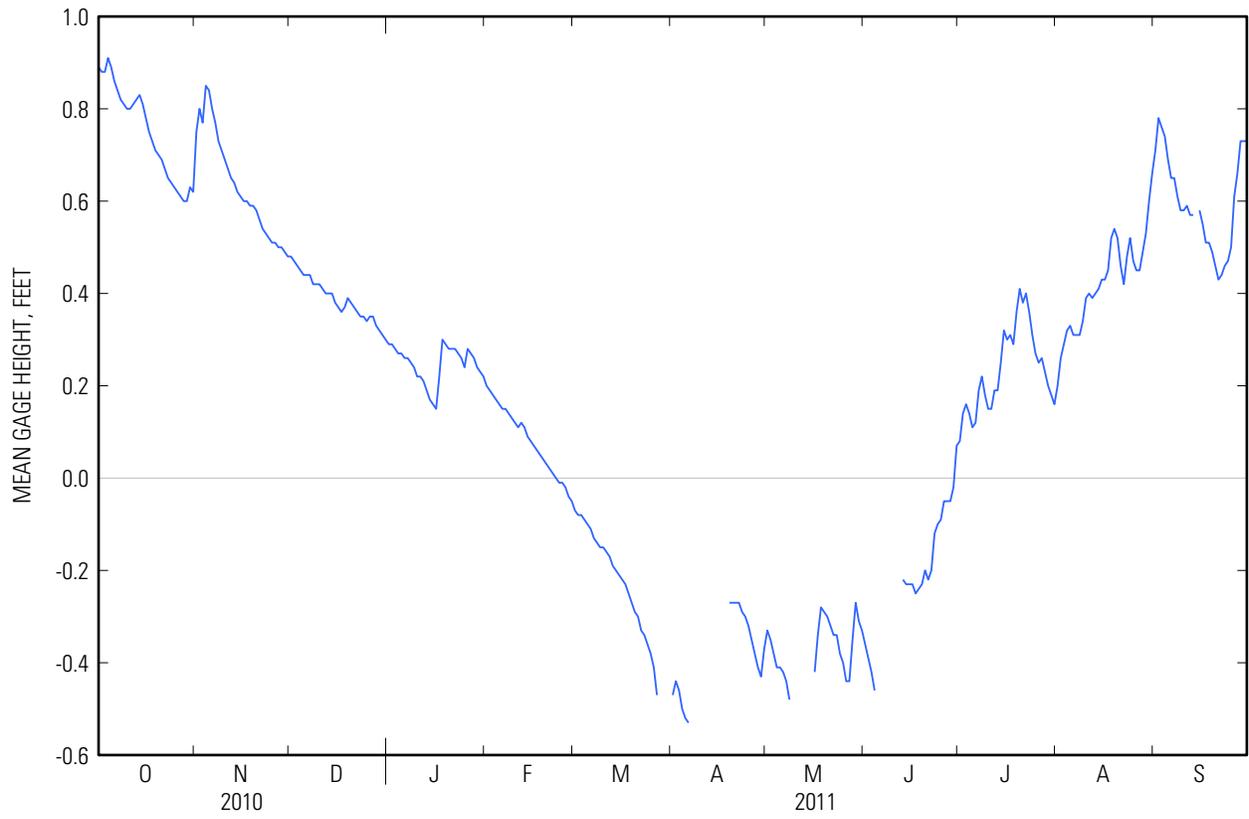
GAGE HEIGHT: Maximum gage height, 0.93 ft Oct. 3; minimum, indeterminate, below sensor for many days during the dry season.

## 253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.89	0.75	0.48	0.29	0.20	-0.07	-0.47	-0.33	-0.36	0.08	0.20	0.71
2	0.88	0.80	0.47	0.29	0.19	-0.08	-0.44	-0.35	-0.39	0.14	0.26	0.78
3	0.88	0.77	0.46	0.28	0.18	-0.08	-0.46	-0.38	-0.42	0.16	0.29	0.76
4	0.91	0.85	0.45	0.27	0.17	-0.09	-0.50	-0.41	-0.46	0.14	0.32	0.74
5	0.89	0.84	0.44	0.27	0.16	-0.10	-0.52	-0.41	---	0.11	0.33	0.69
6	0.86	0.80	0.44	0.26	0.15	-0.11	-0.53	-0.42	---	0.12	0.31	0.65
7	0.84	0.77	0.44	0.26	0.15	-0.13	---	-0.44	---	0.19	0.31	0.65
8	0.82	0.73	0.42	0.25	0.14	-0.14	---	-0.48	---	0.22	0.31	0.61
9	0.81	0.71	0.42	0.24	0.13	-0.15	---	---	---	0.18	0.34	0.58
10	0.80	0.69	0.42	0.22	0.12	-0.15	---	---	---	0.15	0.39	0.58
11	0.80	0.67	0.41	0.22	0.11	-0.16	---	---	---	0.15	0.40	0.59
12	0.81	0.65	0.40	0.21	0.12	-0.17	---	---	---	0.19	0.39	0.57
13	0.82	0.64	0.40	0.19	0.11	-0.19	---	---	-0.22	0.19	0.40	0.57
14	0.83	0.62	0.40	0.17	0.09	-0.20	---	---	-0.23	0.25	0.41	---
15	0.81	0.61	0.38	0.16	0.08	-0.21	---	---	-0.23	0.32	0.43	0.58
16	0.78	0.60	0.37	0.15	0.07	-0.22	---	-0.42	-0.23	0.30	0.43	0.55
17	0.75	0.60	0.36	0.22	0.06	-0.23	---	-0.34	-0.25	0.31	0.45	0.51
18	0.73	0.59	0.37	0.30	0.05	-0.25	---	-0.28	-0.24	0.29	0.52	0.51
19	0.71	0.59	0.39	0.29	0.04	-0.27	-0.27	-0.29	-0.23	0.36	0.54	0.49
20	0.70	0.58	0.38	0.28	0.03	-0.29	-0.27	-0.30	-0.20	0.41	0.52	0.46
21	0.69	0.56	0.37	0.28	0.02	-0.30	-0.27	-0.32	-0.22	0.38	0.46	0.43
22	0.67	0.54	0.36	0.28	0.01	-0.33	-0.27	-0.34	-0.20	0.40	0.42	0.44
23	0.65	0.53	0.35	0.27	0.00	-0.34	-0.29	-0.34	-0.12	0.36	0.48	0.46
24	0.64	0.52	0.35	0.26	-0.01	-0.36	-0.30	-0.38	-0.10	0.31	0.52	0.47
25	0.63	0.51	0.34	0.24	-0.01	-0.38	-0.32	-0.40	-0.09	0.27	0.47	0.50
26	0.62	0.51	0.35	0.28	-0.02	-0.41	-0.35	-0.44	-0.05	0.25	0.45	0.61
27	0.61	0.50	0.35	0.27	-0.04	-0.47	-0.38	-0.44	-0.05	0.26	0.45	0.66
28	0.60	0.50	0.33	0.26	-0.05	---	-0.41	-0.35	-0.05	0.23	0.49	0.73
29	0.60	0.49	0.32	0.24	---	---	-0.43	-0.27	-0.02	0.20	0.53	0.73
30	0.63	0.48	0.31	0.23	---	---	-0.37	-0.31	0.07	0.18	0.60	0.73
31	0.62	---	0.30	0.22	---	---	---	-0.33	---	0.16	0.66	---
<b>Mean</b>	0.75	0.63	0.39	0.25	0.08	---	---	---	---	0.23	0.42	---
<b>Max</b>	0.91	0.85	0.48	0.30	0.20	---	---	---	---	0.41	0.66	---
<b>Min</b>	0.60	0.48	0.30	0.15	-0.05	---	---	---	---	0.08	0.20	---

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued



**253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

SALINITY: October 2010 to current year.

SPECIFIC CONDUCTANCE: November 2005 to current year.

WATER TEMPERATURE: November 2005 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Specific conductance and salinity record rated excellent except for Oct. 1-5, rated good; and Feb. 26 to Sept. 14, rated poor. Water temperature record rated excellent except for Oct. 1-5, rated fair; and Feb. 26 to Sept. 14, rated poor. 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, 2,470  $\mu\text{S}/\text{cm}$  @25°C June 2, 2008; minimum recorded, 230  $\mu\text{S}/\text{cm}$  @25°C April 10, 2010.

SALINITY: Maximum recorded, 0.4 ppt on many days during the water year; minimum recorded, 0.1 ppt Sept. 14, 23, 2011.

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, 900  $\mu\text{S}/\text{cm}$  @25°C Feb. 7, 11; minimum recorded, 330  $\mu\text{S}/\text{cm}$  @25°C Sept. 14.

SALINITY: Maximum recorded, 0.4 ppt on many days during the water year; minimum recorded, 0.1 ppt Sept. 14, 23.

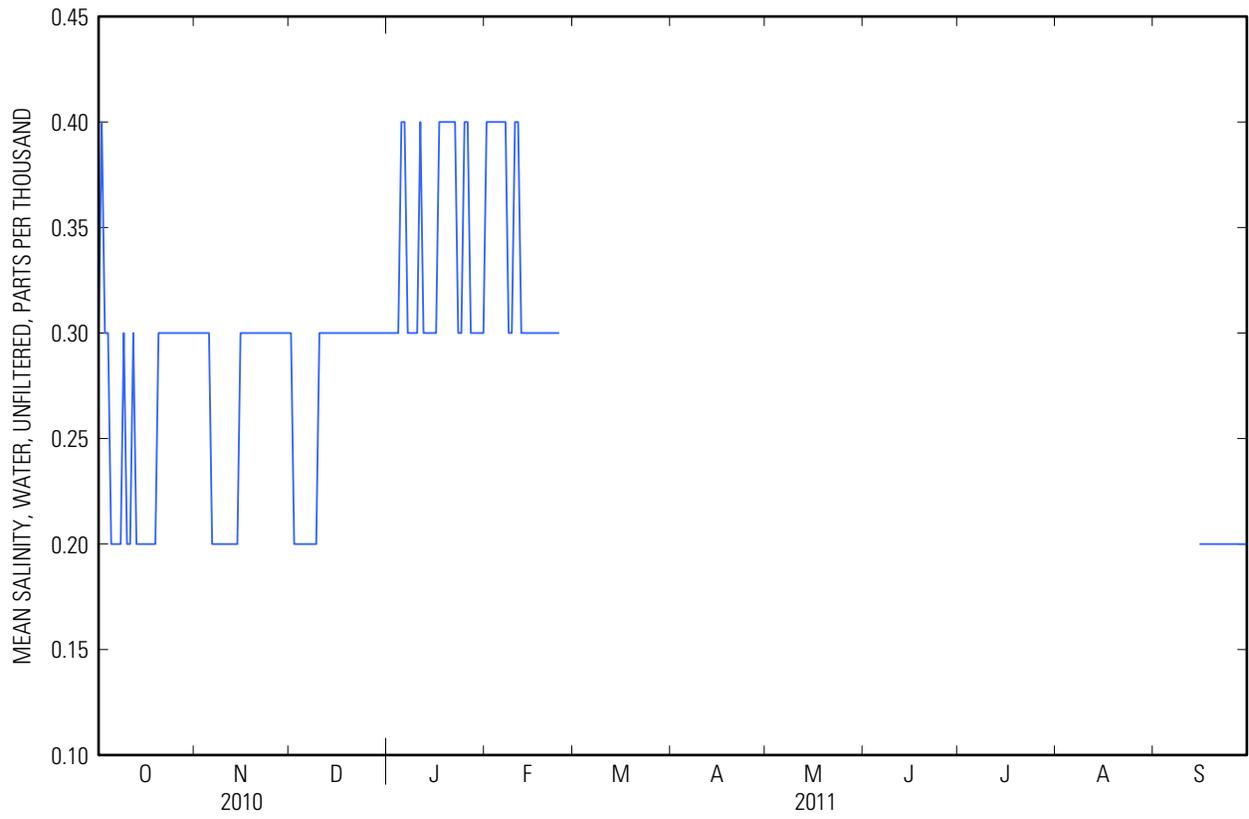
WATER TEMPERATURE: Maximum recorded, 33.1°C Sept. 14; minimum recorded, 8.9°C Dec. 15, 16.

## 253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.3	0.3	0.3	0.3	0.4	---	---	---	---	---	---	---
2	0.4	0.3	0.2	0.3	0.4	---	---	---	---	---	---	---
3	0.3	0.3	0.2	0.3	0.4	---	---	---	---	---	---	---
4	0.3	0.3	0.2	0.3	0.4	---	---	---	---	---	---	---
5	0.2	0.3	0.2	0.4	0.4	---	---	---	---	---	---	---
6	0.2	0.2	0.2	0.4	0.4	---	---	---	---	---	---	---
7	0.2	0.2	0.2	0.3	0.4	---	---	---	---	---	---	---
8	0.2	0.2	0.2	0.3	0.3	---	---	---	---	---	---	---
9	0.3	0.2	0.2	0.3	0.3	---	---	---	---	---	---	---
10	0.2	0.2	0.3	0.3	0.4	---	---	---	---	---	---	---
11	0.2	0.2	0.3	0.4	0.4	---	---	---	---	---	---	---
12	0.3	0.2	0.3	0.3	0.3	---	---	---	---	---	---	---
13	0.2	0.2	0.3	0.3	0.3	---	---	---	---	---	---	---
14	0.2	0.2	0.3	0.3	0.3	---	---	---	---	---	---	---
15	0.2	0.3	0.3	0.3	0.3	---	---	---	---	---	---	0.2
16	0.2	0.3	0.3	0.3	0.3	---	---	---	---	---	---	0.2
17	0.2	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
18	0.2	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
19	0.2	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
20	0.3	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
21	0.3	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
22	0.3	0.3	0.3	0.4	0.3	---	---	---	---	---	---	0.2
23	0.3	0.3	0.3	0.3	0.3	---	---	---	---	---	---	0.2
24	0.3	0.3	0.3	0.3	0.3	---	---	---	---	---	---	0.2
25	0.3	0.3	0.3	0.4	---	---	---	---	---	---	---	0.2
26	0.3	0.3	0.3	0.4	---	---	---	---	---	---	---	0.2
27	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	0.2
28	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	0.2
29	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	0.2
30	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	0.2
31	0.3	---	0.3	0.3	---	---	---	---	---	---	---	---
<b>Mean</b>	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	---
<b>Max</b>	0.4	0.3	0.3	0.4	---	---	---	---	---	---	---	---
<b>Min</b>	0.2	0.2	0.2	0.3	---	---	---	---	---	---	---	---
<b>Med</b>	0.3	0.3	0.3	0.3	---	---	---	---	---	---	---	---

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

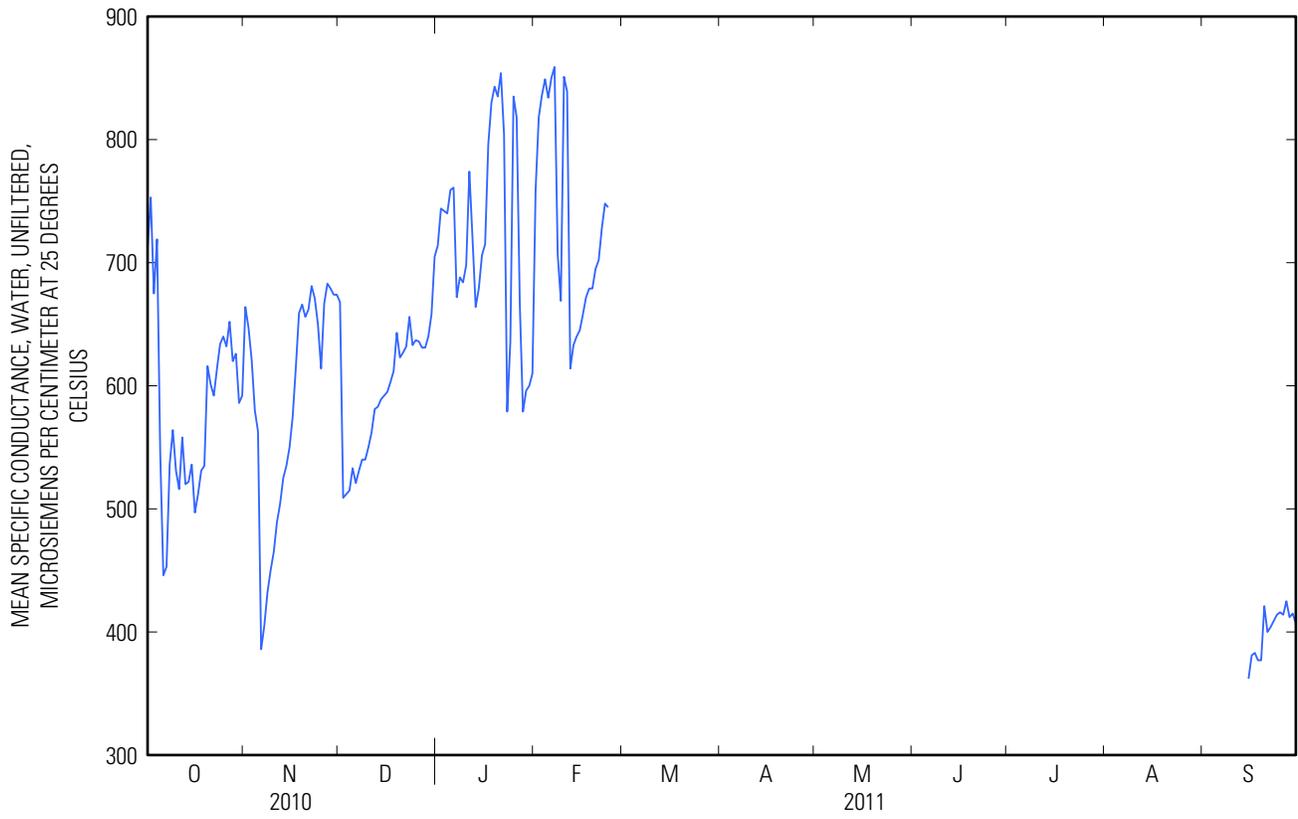


## 253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011  
DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	711	664	668	714	759	---	---	---	---	---	---	---
<b>2</b>	753	647	509	744	818	---	---	---	---	---	---	---
<b>3</b>	675	621	512	742	836	---	---	---	---	---	---	---
<b>4</b>	719	580	515	740	849	---	---	---	---	---	---	---
<b>5</b>	546	563	533	759	834	---	---	---	---	---	---	---
<b>6</b>	446	386	521	761	850	---	---	---	---	---	---	---
<b>7</b>	453	405	531	672	859	---	---	---	---	---	---	---
<b>8</b>	536	432	540	688	707	---	---	---	---	---	---	---
<b>9</b>	564	450	540	684	669	---	---	---	---	---	---	---
<b>10</b>	531	465	550	698	851	---	---	---	---	---	---	---
<b>11</b>	516	489	562	774	839	---	---	---	---	---	---	---
<b>12</b>	558	504	581	720	614	---	---	---	---	---	---	---
<b>13</b>	520	525	583	664	633	---	---	---	---	---	---	---
<b>14</b>	522	535	589	679	640	---	---	---	---	---	---	---
<b>15</b>	536	550	592	706	645	---	---	---	---	---	---	362
<b>16</b>	497	575	595	715	658	---	---	---	---	---	---	381
<b>17</b>	512	615	603	796	672	---	---	---	---	---	---	383
<b>18</b>	531	659	612	830	679	---	---	---	---	---	---	377
<b>19</b>	535	666	643	843	679	---	---	---	---	---	---	377
<b>20</b>	616	656	623	835	695	---	---	---	---	---	---	421
<b>21</b>	601	662	627	854	702	---	---	---	---	---	---	400
<b>22</b>	592	681	632	804	728	---	---	---	---	---	---	404
<b>23</b>	614	671	656	579	748	---	---	---	---	---	---	409
<b>24</b>	634	650	633	636	745	---	---	---	---	---	---	414
<b>25</b>	640	614	637	835	---	---	---	---	---	---	---	416
<b>26</b>	632	667	636	818	---	---	---	---	---	---	---	414
<b>27</b>	652	683	631	666	---	---	---	---	---	---	---	425
<b>28</b>	620	679	631	579	---	---	---	---	---	---	---	412
<b>29</b>	626	674	640	596	---	---	---	---	---	---	---	415
<b>30</b>	586	674	658	600	---	---	---	---	---	---	---	407
<b>31</b>	592	---	705	610	---	---	---	---	---	---	---	---
<b>Mean</b>	583	588	596	721	---	---	---	---	---	---	---	---
<b>Max</b>	753	683	705	854	---	---	---	---	---	---	---	---
<b>Min</b>	446	386	509	579	---	---	---	---	---	---	---	---

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued



## 253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27.9	26.5	22.8	16.7	18.4	---	---	---	---	---	---	---
2	27.9	26.3	19.9	17.4	19.2	---	---	---	---	---	---	---
3	28.0	26.1	18.3	18.2	19.8	---	---	---	---	---	---	---
4	27.8	25.7	17.7	18.9	20.5	---	---	---	---	---	---	---
5	27.2	24.8	17.8	19.4	20.8	---	---	---	---	---	---	---
6	26.4	21.4	17.0	19.3	20.8	---	---	---	---	---	---	---
7	25.4	19.5	14.7	17.4	21.0	---	---	---	---	---	---	---
8	25.7	19.8	13.5	16.7	20.5	---	---	---	---	---	---	---
9	26.1	20.0	12.9	16.3	18.7	---	---	---	---	---	---	---
10	26.3	20.1	13.8	17.2	20.9	---	---	---	---	---	---	---
11	26.4	20.5	14.9	18.7	21.3	---	---	---	---	---	---	---
12	26.1	21.0	16.0	17.6	17.7	---	---	---	---	---	---	---
13	26.1	21.1	15.4	14.2	15.8	---	---	---	---	---	---	---
14	26.3	21.3	12.3	14.5	16.9	---	---	---	---	---	---	---
15	26.3	21.2	10.9	15.3	16.9	---	---	---	---	---	---	29.4
16	25.5	21.4	11.4	15.7	17.2	---	---	---	---	---	---	29.4
17	25.2	21.9	13.0	16.9	18.0	---	---	---	---	---	---	29.3
18	25.3	22.3	14.5	18.0	18.5	---	---	---	---	---	---	28.9
19	25.5	22.0	16.1	19.5	18.8	---	---	---	---	---	---	28.9
20	26.0	21.8	15.6	19.9	19.1	---	---	---	---	---	---	29.2
21	26.2	22.0	15.3	20.4	19.5	---	---	---	---	---	---	29.5
22	26.3	22.2	15.4	19.7	20.3	---	---	---	---	---	---	28.1
23	26.3	22.1	16.4	15.7	21.2	---	---	---	---	---	---	28.1
24	26.5	22.1	15.6	16.1	21.6	---	---	---	---	---	---	28.4
25	26.7	22.1	15.5	18.5	---	---	---	---	---	---	---	28.2
26	26.7	22.7	16.2	19.3	---	---	---	---	---	---	---	26.7
27	26.9	23.2	13.7	17.9	---	---	---	---	---	---	---	26.9
28	27.1	23.1	11.9	16.0	---	---	---	---	---	---	---	27.8
29	27.1	23.1	12.0	15.3	---	---	---	---	---	---	---	28.8
30	26.5	23.3	14.3	15.5	---	---	---	---	---	---	---	29.0
31	26.4	---	16.0	16.4	---	---	---	---	---	---	---	---
<b>Mean</b>	26.5	22.4	15.2	17.4	---	---	---	---	---	---	---	---
<b>Max</b>	28.0	26.5	22.8	20.4	---	---	---	---	---	---	---	---
<b>Min</b>	25.2	19.5	10.9	14.2	---	---	---	---	---	---	---	---

253044080555900 EDEN 3 IN EVERGLADES NATIONAL PARK, FL—Continued

