

Water-Data Report 2011

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°13'41.88", long 80°29'09.41" referenced to North American Datum of 1927, in T.60 S., R.38 E., Miami-Dade County, FL, Hydrologic Unit 03090202, located on the left bank near the mouth, 8 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1999 to September 1999 (gage heights only); October 1999 to current year.

REVISED RECORDS.--WDR-US-2009, site 251341080291200: WDR FL-06-2A, WDR-US-2007, WDR-US-2008, site 251341080291200; maximum negative discharge for the extremes period of record.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records poor. During periods of missing record, values may be higher or lower than the listed extremes. Daily mean discharge is not published. The discharge for this station is more affected by wind than astronomical tides. Discharge at wind-driven sites may require a different filter (subtidal) than the Godin low-pass filter. Mean monthly discharge tables for the period of record are published. Mean monthly discharge tables only include months with a complete record of daily mean discharges. Discharge and gage height records are available in the files of the U.S. Geological Survey. Discharge and gage height 15 minute data and mean monthly discharge data can also be accessed online at <http://sofia.usgs.gov/>. Daily values of gage height are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 200 ft³/s June 22, 2005; maximum negative, 211 ft³/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 2.38 ft Oct. 24, 2005(estimated); minimum, -1.84 ft Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 1119 ft³/s Oct. 1; maximum negative, 103 ft³/s Oct. 8.

GAGE HEIGHT: Maximum gage height, 0.33 ft Aug. 29; minimum, -1.44 ft Feb. 7, 8.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	0.24	-0.04	-0.61	-0.78	-0.53	-0.71	-0.82	-0.90	-1.15	-1.31	-1.11	-1.36
2	-0.02	-0.10	-0.70	-0.86	-0.67	-0.81	-0.85	-1.02	-1.12	-1.22	-0.96	-1.33
3	-0.06	-0.14	-0.55	-0.79	-0.72	-0.82	-1.00	-1.12	-1.14	-1.22	-0.73	-1.04
4	-0.05	-0.16	-0.52	-0.71	-0.76	-0.85	-1.00	-1.11	-1.14	-1.20	-0.64	-0.76
5	-0.09	-0.21	-0.44	-0.65	-0.79	-0.88	-1.03	-1.11	-1.16	-1.26	-0.71	-0.92
6	0.20	-0.09	-0.40	-0.63	-0.76	-0.87	-1.00	-1.15	-1.19	-1.27	-0.88	-1.14
7	0.27	0.11	-0.58	-0.76	-0.71	-0.82	-0.88	-1.09	-1.19	-1.44	-1.00	-1.16
8	0.24	0.14	-0.60	-0.72	-0.74	-0.81	-0.84	-0.94	-1.19	-1.44	-0.84	-1.05
9	0.18	0.06	-0.54	-0.63	-0.76	-0.84	-0.85	-0.92	-1.20	-1.36	-0.84	-1.01
10	0.18	0.04	-0.51	-0.61	-0.70	-0.79	-0.87	-1.02	-1.30	-1.34	-0.99	-1.18
11	0.08	-0.04	-0.46	-0.56	-0.71	-0.78	-1.01	-1.07	-1.26	-1.36	-1.03	-1.24
12	-0.01	-0.15	-0.40	-0.53	-0.66	-0.78	-1.05	-1.21	-1.28	-1.39	-0.96	-1.16
13	-0.06	-0.15	-0.41	-0.46	-0.76	-1.12	-1.14	-1.27	-1.27	-1.39	-0.98	-1.07
14	-0.10	-0.20	-0.28	-0.45	-0.83	-0.95	-1.16	-1.26	-1.30	-1.41	-0.99	-1.10
15	-0.12	-0.21	-0.12	-0.31	-0.84	-0.93	-1.16	-1.27	-1.30	-1.43	-1.05	-1.13
16	-0.16	-0.24	0.05	-0.15	-0.79	-0.92	-1.08	-1.25	-1.25	-1.37	-1.08	-1.23
17	-0.20	-0.33	0.05	-0.07	-0.79	-0.88	-0.95	-1.19	-1.11	-1.28	-1.17	-1.28
18	-0.26	-0.39	-0.01	-0.31	-0.78	-0.88	-0.94	-1.04	-1.04	-1.14	-1.10	-1.25
19	-0.24	-0.38	-0.22	-0.37	-0.78	-0.90	-0.93	-1.03	-1.08	-1.18	-1.06	-1.18
20	-0.26	-0.37	-0.23	-0.34	-0.76	-0.90	-0.89	-1.00	-1.07	-1.20	-0.96	-1.14
21	-0.22	-0.35	-0.28	-0.45	-0.80	-0.96	-0.85	-0.96	-1.04	-1.13	-0.89	-1.04
22	-0.24	-0.36	-0.39	-0.48	-0.94	-1.09	-0.79	-0.92	-1.06	-1.14	-1.00	-1.19
23	-0.17	-0.30	-0.46	-0.62	-0.98	-1.12	-0.77	-0.88	-1.06	-1.18	-1.19	-1.26
24	-0.15	-0.40	-0.56	-0.66	-0.86	-0.99	-0.81	-0.88	-1.04	-1.18	-1.24	-1.34
25	-0.37	-0.54	-0.55	-0.65	-0.82	-0.92	-0.84	-1.04	-1.04	-1.16	-1.19	-1.34
26	-0.48	-0.64	-0.52	-0.60	-0.78	-1.28	-1.03	-1.16	-1.10	-1.19	-1.04	-1.27
27	-0.57	-0.73	-0.48	-0.59	-0.82	-1.00	-1.15	-1.32	-1.08	-1.17	-0.98	-1.10
28	-0.71	-0.87	-0.47	-0.54	-0.88	-0.96	-1.30	-1.43	-1.05	-1.14	-0.96	-1.05
29	-0.72	-0.90	-0.45	-0.57	-0.93	-1.01	-1.28	-1.35	---	---	-0.74	-1.00
30	-0.61	-0.85	-0.48	-0.59	-0.85	-1.01	-1.31	-1.40	---	---	-0.84	-1.06
31	-0.64	-0.75	---	---	-0.81	-0.94	-1.29	-1.39	---	---	-1.03	-1.14
Month	0.27	-0.90	0.05	-0.86	-0.53	-1.28	-0.77	-1.43	-1.04	-1.44	-0.64	-1.36

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	-1.03	-1.17	-0.84	-0.93	-1.00	-1.09	-0.57	-0.68	-0.49	-0.62	-0.01	-0.19
2	-0.94	-1.09	-0.78	-0.86	-1.03	-1.13	-0.52	-0.67	-0.42	-0.55	-0.11	-0.21
3	-0.96	-1.09	-0.81	-1.01	-0.98	-1.11	-0.53	-0.65	-0.36	-0.48	-0.10	-0.20
4	-1.01	-1.07	-0.97	-1.10	-0.87	-1.03	-0.51	-0.61	-0.32	-0.41	-0.11	-0.21
5	-1.05	-1.29	-1.07	-1.17	-0.86	-0.94	-0.45	-0.57	-0.37	-0.48	-0.10	-0.19
6	-1.05	-1.30	-1.05	-1.15	-0.80	-0.96	-0.37	-0.53	-0.48	-0.64	-0.15	-0.25
7	-1.05	-1.13	-1.02	-1.16	-0.65	-0.86	-0.35	-0.56	-0.57	-0.75	-0.20	-0.32
8	-1.04	-1.13	-0.97	-1.09	-0.59	-0.70	-0.35	-0.48	-0.60	-0.72	-0.27	-0.35
9	-1.04	-1.16	-0.94	-1.04	-0.51	-0.65	-0.48	-0.56	-0.66	-0.79	-0.31	-0.49
10	-1.00	-1.14	-0.85	-1.02	-0.46	-0.59	-0.52	-0.65	-0.66	-0.81	-0.35	-0.50
11	-0.96	-1.10	-0.84	-0.92	-0.47	-0.58	-0.57	-0.75	-0.60	-0.75	-0.38	-0.52
12	-0.95	-1.03	-0.76	-0.92	-0.45	-0.59	-0.68	-0.79	-0.58	-0.66	-0.45	-0.62
13	-0.87	-1.01	-0.69	-0.79	-0.44	-0.53	-0.68	-0.80	-0.49	-0.62	-0.41	-0.55
14	-0.77	-0.94	-0.58	-0.74	-0.47	-0.65	-0.69	-0.77	-0.53	-0.62	-0.37	-0.49
15	-0.72	-0.80	-0.49	-0.70	-0.50	-0.63	-0.58	-0.75	-0.44	-0.59	-0.30	-0.43
16	-0.66	-0.74	-0.44	-0.56	-0.45	-0.61	-0.46	-0.66	-0.41	-0.52	-0.31	-0.40
17	-0.67	-0.75	-0.37	-0.46	-0.49	-0.60	-0.45	-0.57	-0.32	-0.47	-0.37	-0.46
18	-0.59	-0.75	-0.36	-0.48	-0.57	-0.69	-0.40	-0.53	-0.31	-0.45	-0.36	-0.49
19	-0.67	-0.81	-0.46	-0.57	-0.66	-0.73	-0.39	-0.49	-0.18	-0.46	-0.38	-0.47
20	-0.75	-0.88	-0.57	-0.69	-0.66	-0.75	-0.38	-0.45	-0.23	-0.35	-0.18	-0.46
21	-0.86	-0.97	-0.65	-0.74	-0.68	-0.73	-0.42	-0.49	-0.27	-0.36	-0.18	-0.28
22	-0.89	-0.96	-0.72	-0.79	-0.65	-0.74	-0.46	-0.63	-0.26	-0.37	-0.13	-0.25
23	-0.93	-1.00	-0.75	-0.84	-0.65	-0.72	-0.58	-0.70	-0.20	-0.33	-0.12	-0.25
24	-0.92	-1.01	-0.84	-0.96	-0.62	-0.73	-0.65	-0.80	-0.10	-0.24	-0.15	-0.31
25	-0.97	-1.06	-0.93	-1.05	-0.53	-0.68	-0.72	-0.80	-0.06	-0.21	-0.03	-0.26
26	-0.95	-1.07	-0.87	-0.98	-0.56	-0.69	-0.66	-0.77	0.13	-0.06	0.06	-0.17
27	-0.96	-1.01	-0.92	-1.02	-0.54	-0.70	-0.53	-0.69	0.20	0.07	0.02	-0.10
28	-0.95	-1.06	-0.90	-1.01	-0.57	-0.76	-0.52	-0.64	0.24	0.12	-0.01	-0.12
29	-1.03	-1.16	-0.86	-1.02	-0.51	-0.76	-0.56	-0.71	0.33	0.17	-0.05	-0.16
30	-0.88	-1.12	-0.92	-1.04	-0.60	-0.69	-0.58	-0.69	0.27	0.00	-0.10	-0.21
31	---	---	-0.92	-1.05	---	---	-0.53	-0.65	0.12	-0.06	---	---
Month	-0.59	-1.30	-0.36	-1.17	-0.44	-1.13	-0.35	-0.80	0.33	-0.81	0.06	-0.62

	Max	Min
Year	0.33	-1.44

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**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

1999	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	-9.43	13.5	31.9	---	30.3

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2000	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	37.9	0.10	9.56	5.87	0.39	0.32	6.19	---	-2.34	24.2	---	33.7

SUMMARY STATISTICS

**Water Years 1999 - 2000

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2001	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.31	0.15	-3.84	-2.78	-8.38	10.6	-10.8	-17.1	---	29.5	---	---

SUMMARY STATISTICS

**Water Years 1999 - 2001

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2002	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.5	---	-11.2	13.8	-11.5	-10.5	-22.4	-24.1	50.6	79.9	22.7	26.6

SUMMARY STATISTICS

**Water Years 1999 - 2002

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2003	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	4.21	0.97	-1.07	20.6	-6.50	35.3	52.3	10.7	25.1	44.1

SUMMARY STATISTICS

**Water Years 1999 - 2003

** Daily records incomplete for computation of the calendar and water year statistics.

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2004	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.9	2.53	-0.20	-0.62	6.56	-23.3	1.34	-14.4	3.62	---	50.8	25.6

SUMMARY STATISTICS

	Calendar Year 2003	Water Years 1999 - 2004
Annual mean	16.5	

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2005	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.3	0.39	5.15	---	1.99	12.3	0.50	-4.59	52.8	43.0	---	69.8

SUMMARY STATISTICS

**Water Years 1999 - 2005

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2006	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	33.7	6.54	8.65	0.04	4.75	-11.2	-4.44	4.06	16.5	44.9	24.0	60.8

SUMMARY STATISTICS

Water Year 2006 Water Years 1999 - 2006

Annual mean	15.7	15.7
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**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2007	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	-8.65	-7.24	---	-3.72	0.10	-14.1	2.54	-32.2	45.9	47.2	21.1	---

SUMMARY STATISTICS

Water Years 1999 - 2007

Annual mean	15.7
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** Daily records incomplete for computation of the calendar and water year statistics.

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2008	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.1	-6.88	-4.98	-7.72	10.8	-5.89	-16.9	3.76	10.7	22.5	48.2	-10.4

SUMMARY STATISTICS

	Water Year 2008	Water Years 1999 - 2008
Annual mean	4.61	10.2

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2009	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.57	0.42	7.53	-1.04	-9.15	-20.9	9.62	3.37	76.5	50.9	27.6	---

SUMMARY STATISTICS

	Calendar Year 2008	Water Years 1999 - 2009
Annual mean	5.80	10.2

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2010	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	23.1	-3.04	39.7	12.1	18.1	21.0	-9.44	-8.24	13.9	15.7	46.8	---

SUMMARY STATISTICS

	Water Years 1999 - 2010
Annual mean	10.2

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2011	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	20.1	-0.36	---	---	2.14	-9.69	-0.89	-10.4	-7.96	23.7	30.5	36.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	15.1	-0.74	5.46	1.69	1.27	-2.57	-4.27	-6.16	27.1	35.3	33.0	35.2

SUMMARY STATISTICS

	Water Years 1999 - 2011
Annual mean	10.2

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP): April 1999 to May 2007. Discontinued.

SALINITY (BOTTOM): May 2001 to September 2011. Discontinued.

SPECIFIC CONDUCTANCE (BOTTOM) OCTOBER 2009 TO September 2011. Discontinued.

WATER TEMPERATURE (TOP): April 1999 to May 2007. Discontinued.

WATER TEMPERATURE: (BOTTOM): May 2001 to September 2011. Discontinued.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity and specific conductance (BOTTOM) record rated excellent for the entire water year. Water temperature (BOTTOM) record rated excellent for the entire water year. Bottom salinity and water temperature sensors located at -3.60 ft NAVD 88. Prior to Sept. 15, 2010 salinity was computed directly from specific conductance using a conversion within the continuous water quality monitor. From Sept. 15, 2010 to current year, salinity is computed from corrected specific conductance data using a rating in the NWIS database. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and water temperature records are available in files of the U.S. Geological Survey. Salinity and water temperature 15 minute data can also be accessed online at <http://sofia.usgs.gov/>. Daily values of salinity and water temperature are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 44.7 ppt June 2, 2005; minimum recorded, 0.5 ppt Oct. 5, 2000.

SALINITY (BOTTOM): Maximum recorded, 45.0 ppt June 2, 2005; minimum recorded, 0.6 ppt Sept. 18, 2002, July 2, 3, 2003, Sept. 29, 30, 2005, Oct. 1, 2, 2005.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum recorded, 64,300 $\mu\text{S}/\text{cm}$ @ 25°C June 27, 2011; minimum recorded, 1,500 $\mu\text{S}/\text{cm}$ @ 25°C Oct. 1, 2010.

WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 10, 2005; minimum recorded, 11.8°C Jan. 1, 2001.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.4°C July 21, 2010; minimum recorded, 6.1°C Jan. 11, 2010.

EXTREMES FOR CURRENT YEAR.--

SALINITY (BOTTOM): Maximum recorded, 43.6 ppt June 27; minimum recorded, 0.7 ppt Oct. 1.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum recorded, 64,300 $\mu\text{S}/\text{cm}$ @ 25°C June 27; minimum recorded, 1,500 $\mu\text{S}/\text{cm}$ @ 25°C Oct. 1.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.4°C July 21; minimum recorded, 11.0°C Dec. 15.

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BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	1.4	0.7	12.4	3.7	16.0	7.3	19.5	19.4	21.3	18.7	21.8	20.1
2	1.5	1.0	12.4	2.9	16.1	6.5	19.4	16.3	21.5	13.0	23.0	19.9
3	1.5	1.2	12.4	4.4	16.3	6.5	16.7	16.0	21.6	11.3	24.4	22.9
4	1.2	1.0	11.6	3.5	16.3	15.6	20.0	15.5	21.6	13.4	24.6	24.1
5	5.4	0.8	3.7	1.3	16.0	12.8	19.5	15.2	21.5	11.9	24.4	24.1
6	6.4	5.3	11.4	1.4	15.8	10.3	17.2	15.3	12.0	11.3	24.4	24.1
7	6.5	5.9	11.0	1.3	16.3	14.9	20.6	13.4	11.3	10.4	24.5	24.2
8	8.1	6.5	11.3	2.3	16.5	16.1	19.8	14.1	22.0	10.4	24.7	24.5
9	11.0	6.2	11.5	11.2	17.1	15.7	23.1	11.3	21.4	10.9	25.2	24.7
10	13.0	7.8	11.5	11.3	17.2	16.7	22.7	11.8	20.9	11.2	25.3	24.6
11	11.1	5.9	11.6	11.4	17.1	16.9	13.0	11.3	22.5	11.1	24.8	24.3
12	10.7	5.7	11.7	11.4	17.0	16.5	21.2	11.1	22.2	12.0	25.5	24.7
13	5.7	4.1	11.5	11.1	16.5	15.3	21.9	11.4	22.0	12.6	25.3	25.0
14	4.1	3.1	11.6	11.3	17.5	13.3	21.9	13.7	22.1	13.2	25.5	25.2
15	13.8	2.8	12.0	11.4	18.1	15.3	21.6	14.2	22.0	14.1	26.0	25.5
16	11.7	3.4	12.4	11.8	18.4	18.1	21.6	16.7	22.2	16.7	26.3	25.6
17	12.4	3.4	12.9	11.1	18.5	15.3	21.5	17.2	22.2	22.1	26.5	25.8
18	12.0	3.6	12.8	9.2	18.4	14.8	20.6	16.5	22.3	22.1	26.4	26.3
19	12.2	5.7	12.6	8.7	15.6	13.4	20.2	15.0	22.4	22.2	26.5	26.3
20	13.0	5.1	12.8	9.4	19.0	12.6	15.7	13.0	22.7	22.2	26.7	26.3
21	12.8	4.9	13.0	9.0	19.9	13.4	16.7	12.6	22.7	22.5	26.5	26.3
22	13.0	5.5	13.4	9.9	13.4	11.8	13.5	12.6	22.5	20.6	26.7	26.3
23	12.0	11.8	14.2	9.2	18.0	9.9	22.4	11.6	22.5	19.6	27.0	26.6
24	12.2	9.4	14.1	9.1	19.2	9.9	22.0	13.6	22.7	19.8	27.0	26.8
25	13.3	8.2	14.3	11.1	20.2	19.2	22.0	14.9	22.9	20.9	27.2	26.9
26	12.5	7.8	15.6	10.6	19.8	14.3	14.9	8.9	22.7	20.2	27.4	27.0
27	7.8	5.3	15.1	9.5	19.7	12.8	10.2	9.0	22.9	20.3	27.5	27.3
28	5.3	4.1	15.7	8.8	19.8	13.2	20.5	7.2	23.2	21.8	27.8	27.1
29	4.6	2.5	15.6	8.8	19.8	14.6	20.9	7.8	---	---	27.5	26.3
30	12.6	3.0	16.0	10.1	19.9	19.6	21.0	9.0	---	---	28.1	27.3
31	12.4	5.1	---	---	19.7	19.5	21.1	9.7	---	---	27.5	27.3
Month	13.8	0.7	16.0	1.3	20.2	6.5	23.1	7.2	23.2	10.4	28.1	19.9

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	27.5	27.1	32.6	32.0	38.0	37.6	34.0	25.4	33.5	33.2	13.7	12.6
2	27.1	25.1	32.9	32.6	38.1	37.7	37.0	24.5	33.8	33.5	13.2	11.6
3	28.0	25.3	33.0	32.8	38.3	38.0	37.2	26.0	34.4	33.8	13.7	12.2
4	28.4	27.0	33.3	32.9	38.6	38.3	37.6	36.8	34.6	33.4	15.3	13.3
5	28.4	26.3	33.5	33.2	38.8	38.5	37.6	36.7	34.4	32.6	17.4	15.1
6	27.6	26.0	33.7	33.5	39.1	38.8	37.7	36.9	32.9	31.2	18.0	17.2
7	28.3	27.4	34.0	33.7	39.4	39.1	37.3	27.2	31.3	23.4	17.8	17.2
8	29.0	28.0	34.1	33.9	39.6	39.3	29.5	25.0	28.6	20.3	18.0	17.6
9	29.3	28.8	34.4	34.1	39.8	39.5	25.0	21.5	24.1	17.8	18.0	17.6
10	29.4	29.1	34.6	34.3	39.8	39.6	21.7	19.7	22.2	15.7	17.6	16.1
11	29.6	29.3	34.6	34.3	39.8	39.7	20.4	17.9	18.4	16.3	16.3	15.5
12	29.6	29.3	34.7	34.6	39.8	39.6	19.1	14.7	18.8	17.5	15.9	14.1
13	29.5	29.1	34.8	34.6	40.0	39.8	17.2	12.4	30.4	17.1	22.6	12.6
14	29.3	28.9	35.1	34.8	40.4	39.8	15.1	12.0	19.1	18.7	22.7	12.2
15	29.5	29.0	35.1	34.5	40.8	40.4	28.6	12.5	29.8	17.2	23.4	12.4
16	29.8	29.3	34.9	34.6	41.1	40.6	32.7	13.6	19.5	16.5	23.4	12.4
17	29.7	29.3	35.0	34.9	41.4	41.0	33.8	16.0	28.6	18.7	22.0	12.5
18	29.8	29.3	35.5	35.0	41.9	41.3	32.3	17.2	33.2	20.2	23.7	11.5
19	30.4	29.6	35.8	35.5	42.4	41.8	32.6	19.5	30.7	19.8	23.4	13.4
20	30.9	29.6	36.0	35.6	42.8	41.9	33.3	21.3	21.3	20.3	23.9	21.7
21	31.2	30.1	36.1	35.8	43.0	42.5	26.8	23.4	20.5	18.1	23.8	23.1
22	31.4	31.0	36.4	36.1	43.0	41.1	26.0	24.8	24.4	15.2	23.1	21.2
23	31.5	31.3	36.4	36.1	41.8	40.6	27.4	25.6	28.5	14.2	22.7	18.0
24	31.5	31.4	36.6	36.3	42.7	40.9	27.3	25.0	29.0	13.3	18.0	13.7
25	31.8	31.0	36.7	36.4	42.8	41.2	34.1	23.8	28.2	14.8	19.5	11.5
26	31.9	31.4	36.9	36.6	43.3	41.4	34.2	25.6	28.3	27.7	19.8	11.3
27	32.3	31.8	37.0	36.8	43.6	42.2	33.8	25.7	28.0	22.0	16.8	10.4
28	32.4	32.2	37.3	37.0	43.2	41.1	33.5	28.0	30.4	18.9	16.7	9.7
29	32.6	32.3	37.3	37.1	41.4	32.0	33.0	27.7	31.7	18.2	10.4	9.9
30	32.6	32.4	37.5	37.3	35.8	29.7	33.2	27.8	31.6	14.3	10.0	9.5
31	---	---	37.7	37.4	---	---	33.3	32.9	21.9	13.4	---	---
Month	32.6	25.1	37.7	32.0	43.6	29.7	37.7	12.0	34.6	13.3	23.9	9.5

	Max	Min
Year	43.6	0.7

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL—Continued

BOTTOM
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	2,750	1,500	20,700	6,840	26,200	12,800	31,400	31,200	33,900	30,200	34,700	32,200
2	2,990	2,050	20,800	5,430	26,300	11,400	31,200	26,600	34,300	21,600	36,400	31,900
3	2,930	2,330	20,700	7,890	26,600	11,500	27,300	26,200	34,400	19,100	38,400	36,300
4	2,420	2,080	19,500	6,520	26,600	25,600	32,100	25,400	34,400	22,300	38,700	38,000
5	9,580	1,630	6,830	2,630	26,200	21,400	31,300	25,000	34,300	20,000	38,400	38,000
6	11,200	9,490	19,200	2,760	25,900	17,500	28,000	25,200	20,100	19,000	38,400	38,000
7	11,500	10,500	18,600	2,560	26,600	24,500	32,900	22,200	19,000	17,700	38,600	38,100
8	14,000	11,500	19,000	4,380	27,000	26,400	31,800	23,400	34,900	17,700	38,800	38,500
9	18,600	10,900	19,300	18,900	27,800	25,700	36,600	19,100	34,100	18,400	39,500	38,800
10	21,700	13,600	19,300	19,100	27,900	27,200	35,900	19,900	33,400	18,900	39,700	38,700
11	18,800	10,400	19,500	19,200	27,800	27,500	21,600	19,100	35,700	18,700	38,900	38,300
12	18,100	10,100	19,600	19,200	27,700	27,000	33,800	18,700	35,200	20,200	40,000	38,800
13	10,100	7,540	19,300	18,700	27,000	25,200	34,800	19,200	35,000	21,100	39,700	39,200
14	7,540	5,700	19,500	19,100	28,400	22,100	34,800	22,800	35,100	22,000	40,000	39,500
15	22,900	5,280	20,200	19,200	29,300	25,200	34,400	23,500	35,000	23,400	40,600	39,900
16	19,600	6,200	20,700	19,800	29,700	29,300	34,400	27,300	35,200	27,200	41,000	40,100
17	20,800	6,250	21,500	18,800	29,900	25,200	34,200	28,000	35,300	35,100	41,300	40,300
18	20,100	6,640	21,300	15,700	29,800	24,400	33,000	26,900	35,400	35,100	41,200	41,000
19	20,500	10,200	21,100	15,000	25,600	22,300	32,400	24,700	35,600	35,300	41,400	41,000
20	21,700	9,110	21,400	16,100	30,600	21,000	25,800	21,600	35,900	35,300	41,600	41,100
21	21,300	8,730	21,600	15,400	31,900	22,200	27,300	21,100	35,900	35,700	41,400	41,000
22	21,700	9,750	22,200	16,900	22,300	19,900	22,400	21,000	35,700	32,900	41,600	41,100
23	20,100	19,800	23,500	15,700	29,200	16,900	35,600	19,500	35,700	31,500	42,000	41,500
24	20,400	16,100	23,400	15,600	30,900	16,800	34,900	22,500	35,900	31,800	42,100	41,700
25	22,100	14,100	23,600	18,800	32,400	30,900	34,900	24,600	36,200	33,400	42,300	41,900
26	20,900	13,500	25,600	18,000	31,800	23,700	24,600	15,300	36,000	32,300	42,600	42,100
27	13,500	9,500	24,800	16,300	31,700	21,400	17,400	15,400	36,300	32,500	42,800	42,400
28	9,500	7,510	25,700	15,100	31,800	22,000	32,800	12,500	36,700	34,700	43,100	42,200
29	8,300	4,700	25,600	15,200	31,800	24,100	33,400	13,500	---	---	42,800	41,000
30	21,000	5,530	26,200	17,200	31,900	31,500	33,500	15,400	---	---	43,600	42,500
31	20,800	9,190	---	---	31,600	31,300	33,700	16,600	---	---	42,800	42,500
Month	22,900	1,500	26,200	2,560	32,400	11,400	36,600	12,500	36,700	17,700	43,600	31,900

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL—Continued

BOTTOM
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	42,700	42,200	49,800	49,000	57,000	56,500	51,600	39,800	50,900	50,500	22,700	21,000
2	42,200	39,400	50,100	49,700	57,100	56,600	55,600	38,600	51,400	50,900	21,900	19,500
3	43,400	39,600	50,300	50,000	57,400	57,000	55,900	40,700	52,200	51,400	22,800	20,400
4	44,000	42,000	50,700	50,200	57,800	57,400	56,400	55,400	52,500	50,800	25,200	22,100
5	44,000	41,100	50,900	50,600	58,100	57,700	56,400	55,300	52,200	49,700	28,300	24,800
6	42,900	40,700	51,300	50,900	58,400	58,100	56,600	55,500	50,100	47,900	29,100	28,000
7	43,800	42,600	51,700	51,200	58,800	58,400	56,100	42,300	48,000	36,900	28,900	28,000
8	44,800	43,400	51,800	51,500	59,100	58,700	45,500	39,200	44,200	32,500	29,200	28,600
9	45,200	44,600	52,200	51,800	59,300	59,000	39,200	34,200	38,000	28,800	29,200	28,500
10	45,400	45,000	52,500	52,100	59,300	59,100	34,600	31,700	35,200	25,800	28,600	26,300
11	45,600	45,200	52,500	52,000	59,300	59,200	32,700	29,000	29,800	26,700	26,600	25,500
12	45,600	45,300	52,600	52,400	59,300	59,100	30,800	24,200	30,300	28,400	26,000	23,400
13	45,500	44,900	52,700	52,400	59,600	59,300	27,900	20,700	46,700	27,800	35,800	21,100
14	45,200	44,700	53,100	52,700	60,100	59,400	24,800	20,200	30,800	30,200	36,000	20,400
15	45,500	44,800	53,100	52,300	60,600	60,100	44,200	20,900	45,900	28,000	36,900	20,800
16	45,900	45,200	52,900	52,500	61,000	60,400	49,900	22,600	31,400	26,900	37,000	20,800
17	45,800	45,200	53,000	52,800	61,400	60,900	51,400	26,200	44,200	30,200	34,900	20,900
18	45,900	45,300	53,700	53,000	62,100	61,300	49,300	27,900	50,600	32,400	37,400	19,400
19	46,700	45,600	54,000	53,600	62,700	62,000	49,700	31,400	47,200	31,800	37,000	22,200
20	47,400	45,700	54,300	53,800	63,200	62,100	50,700	34,000	33,900	32,500	37,700	34,500
21	47,800	46,400	54,400	54,100	63,500	62,900	41,800	36,900	32,800	29,300	37,600	36,600
22	48,100	47,600	54,800	54,400	63,500	61,000	40,600	39,000	38,400	25,000	36,600	33,800
23	48,300	48,000	54,800	54,500	62,000	60,400	42,600	40,100	44,100	23,500	35,900	29,100
24	48,300	48,100	55,100	54,700	63,100	60,800	42,500	39,200	44,800	22,100	29,100	22,800
25	48,600	47,600	55,300	54,800	63,300	61,200	51,800	37,600	43,700	24,400	31,400	19,300
26	48,800	48,100	55,500	55,100	63,900	61,400	51,900	40,100	43,800	43,000	31,800	19,000
27	49,300	48,600	55,700	55,400	64,300	62,500	51,400	40,200	43,500	34,900	27,400	17,700
28	49,500	49,200	56,000	55,700	63,800	61,000	51,000	43,400	46,800	30,500	27,200	16,600
29	49,700	49,300	56,000	55,800	61,400	49,000	50,300	43,000	48,500	29,400	17,700	16,800
30	49,700	49,500	56,300	56,000	54,000	45,800	50,500	43,200	48,400	23,700	17,100	16,300
31	---	---	56,600	56,200	---	---	50,700	50,200	34,800	22,200	---	---
Month	49,700	39,400	56,600	49,000	64,300	45,800	56,600	20,200	52,500	22,100	37,700	16,300

	Max	Min
Year	64,300	1,500

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	28.9	26.2	29.3	26.6	26.9	23.4	20.8	17.9	24.4	21.0	28.6	24.4
2	29.7	26.6	28.4	25.8	23.4	19.8	22.8	19.4	25.3	21.3	27.0	23.9
3	30.5	27.6	27.6	25.9	22.1	16.8	23.2	20.7	26.1	22.9	24.4	21.6
4	29.7	27.1	26.4	25.0	21.2	18.6	23.6	21.0	26.6	23.2	22.6	19.9
5	27.4	25.4	25.7	21.5	21.8	18.4	24.4	21.6	26.8	23.8	23.2	19.7
6	26.9	25.1	23.4	17.9	20.5	16.9	24.1	21.9	27.7	23.8	26.1	21.6
7	25.4	23.4	19.7	15.4	17.2	15.0	22.6	18.6	27.6	24.4	26.5	22.7
8	26.2	23.5	18.6	17.4	16.6	14.0	21.6	18.2	27.5	22.9	26.8	23.5
9	26.8	24.0	20.7	17.5	15.5	13.9	22.1	17.3	25.2	21.2	26.2	23.3
10	28.3	24.8	21.9	18.9	16.4	12.8	22.5	19.7	26.5	23.3	26.0	23.5
11	29.3	25.5	23.1	20.3	18.4	15.0	24.3	20.8	25.4	23.3	23.8	19.9
12	27.5	25.9	23.3	20.8	19.9	16.7	23.4	18.0	23.3	18.1	22.8	18.6
13	28.4	25.4	23.4	21.0	19.0	15.1	18.0	14.5	19.9	14.1	23.4	20.0
14	27.8	26.8	23.7	21.5	15.1	11.1	17.6	14.2	21.0	16.2	23.9	20.6
15	29.7	25.7	24.2	21.9	14.2	11.0	19.3	15.6	21.3	16.5	24.9	21.1
16	29.1	24.6	25.0	22.6	15.6	11.4	20.5	16.7	22.2	18.2	25.9	21.6
17	28.3	24.1	26.5	23.7	17.6	14.0	20.5	19.2	23.6	19.7	26.2	21.8
18	27.8	24.7	26.2	24.6	19.4	16.7	23.5	19.4	24.1	20.6	26.3	23.1
19	28.4	24.7	25.0	23.1	21.1	18.9	26.1	22.5	24.6	21.2	25.9	22.2
20	28.5	25.6	24.4	22.0	19.9	17.2	27.0	23.0	24.8	21.3	25.9	22.3
21	29.4	25.8	25.1	22.4	20.4	16.6	26.2	24.5	25.8	21.9	25.6	22.8
22	29.4	26.2	24.7	22.9	20.9	17.3	24.5	19.6	27.2	23.2	26.0	22.0
23	27.6	26.1	25.5	22.3	21.4	18.4	22.0	16.2	27.2	24.0	27.2	22.9
24	28.9	25.6	26.2	23.2	20.6	17.9	20.6	17.8	26.6	23.8	27.6	23.7
25	28.7	26.5	25.4	23.7	21.6	19.3	22.0	19.4	27.0	22.9	28.1	23.7
26	28.8	26.6	25.1	23.4	20.2	16.8	22.6	20.4	27.7	23.6	29.8	24.6
27	29.4	26.8	26.1	23.7	17.9	14.0	21.4	18.8	27.3	23.9	29.1	25.1
28	30.2	27.4	26.6	24.1	16.4	11.4	20.1	15.9	27.2	23.4	31.0	26.4
29	30.5	27.3	26.4	24.2	15.5	12.3	20.4	15.1	---	---	29.4	25.9
30	30.5	27.2	26.4	24.3	17.4	14.8	21.0	16.0	---	---	29.4	26.0
31	28.8	26.7	---	---	19.4	16.5	22.7	18.1	---	---	30.3	27.0
Month	30.5	23.4	29.3	15.4	26.9	11.0	27.0	14.2	27.7	14.1	31.0	18.6

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	29.1	26.4	30.2	26.2	30.2	25.8	30.1	27.5	33.4	30.1	31.4	29.3
2	29.7	25.0	29.5	25.8	30.2	26.4	31.3	28.2	33.9	30.9	31.2	28.9
3	30.6	26.4	29.7	25.4	30.2	26.2	31.9	28.1	34.3	31.2	31.7	28.7
4	29.3	25.6	30.1	26.0	29.6	26.4	31.5	28.8	34.7	31.2	32.4	29.3
5	29.6	25.7	29.5	26.3	30.4	26.2	31.4	28.5	34.7	31.4	33.2	29.5
6	28.3	24.6	29.8	26.1	30.3	26.5	29.8	28.6	33.8	30.8	33.3	30.2
7	29.5	25.2	31.3	26.7	30.0	26.7	29.1	27.3	34.3	30.3	33.5	30.0
8	29.9	25.8	31.3	27.9	29.2	26.5	30.0	26.0	31.4	29.8	34.2	30.7
9	30.3	25.9	32.1	27.9	28.1	26.4	32.0	28.5	32.2	29.0	34.2	30.8
10	30.5	26.2	31.8	27.7	29.3	25.9	33.8	29.0	32.2	28.7	33.9	30.8
11	31.0	26.6	31.5	26.8	30.1	26.8	33.1	29.9	30.8	28.1	34.0	30.7
12	30.9	27.1	30.5	28.0	31.4	28.4	34.7	30.1	31.4	28.9	32.3	30.0
13	29.6	27.2	30.4	26.9	33.1	29.4	35.5	30.9	33.8	29.2	33.0	29.3
14	29.0	24.3	30.4	27.2	33.7	30.2	35.5	31.1	34.1	30.7	32.3	29.1
15	30.0	25.8	28.8	26.6	33.4	29.9	34.7	31.4	33.4	30.7	32.2	28.8
16	30.5	26.8	28.7	25.9	32.6	29.2	34.8	31.3	33.0	29.5	32.6	29.0
17	31.7	27.7	29.0	25.9	33.4	29.5	35.2	31.8	34.0	30.2	32.0	28.8
18	31.0	27.5	30.4	26.2	34.0	30.1	34.6	30.0	33.3	30.1	31.8	28.8
19	30.4	27.6	31.2	27.6	33.2	30.4	35.2	30.3	32.0	28.6	32.2	29.6
20	29.8	26.6	32.0	28.3	32.4	30.1	35.1	31.2	31.2	28.2	31.7	29.3
21	28.7	25.2	32.7	28.2	32.9	29.8	36.4	31.1	32.7	28.8	30.6	28.5
22	28.5	24.6	32.4	28.2	32.2	29.3	34.8	32.1	33.2	30.2	29.5	28.5
23	28.1	24.4	30.2	27.5	32.3	28.9	34.6	30.9	32.5	29.7	32.3	28.0
24	29.0	24.8	30.6	26.8	32.5	29.8	34.5	30.4	34.2	28.9	31.7	29.8
25	29.9	25.5	30.8	27.0	33.2	29.4	34.2	30.2	32.0	28.6	31.4	28.9
26	30.9	26.7	30.0	26.8	31.8	29.7	33.4	29.5	31.5	28.7	30.0	27.7
27	31.7	27.2	29.8	27.3	31.6	29.2	31.7	29.8	32.0	29.4	30.8	26.9
28	32.1	28.0	31.4	27.4	30.5	28.6	32.3	28.7	31.4	29.6	32.0	28.6
29	33.2	28.4	31.2	27.6	29.4	26.0	32.8	29.1	31.9	29.5	31.8	29.4
30	30.5	28.2	30.1	26.3	29.8	25.4	32.9	29.3	31.2	29.1	32.5	29.2
31	---	---	29.9	26.4	---	---	33.0	29.5	31.5	28.1	---	---
Month	33.2	24.3	32.7	25.4	34.0	25.4	36.4	26.0	34.7	28.1	34.2	26.9

	Max	Min
Year	36.4	11.0