Water-Data Report 2013

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 27°11′58″, long 80°12′25″ referenced to North American Datum of 1927, in NW ¼ SE ¼ NE ¼ sec.2, T.38 S., R.41 E., Martin County, FL, Hydrologic Unit 03090202, middle of Evans Crary Sr. Bridge footing, 2.7 mi west of Atlantic Ocean, 3.4 mi southeast of Stuart.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--
DISCHARGE: August 1997 to September 2000.
GAGE HEIGHT: August 1997 to current year.

REVISED RECORDS.--WDR-US-2009, site 02277110: maximum gage height, WDR FL-04-2A, WDR FL-05-2A, WDR-US-2006-2008, site 02277110.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Prior to October 1, 2000, an acoustic Doppler velocity meter. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929, determined from VERTCON, and 1.45 ft below North American Vertical Datum (NAVD) of 1988. Gage height data prior to water year 2003 are 0.07 ft lower than current datum. This datum was taken into account and the data prior to water year 2003 has been updated. (Revised).

COOPERATION.--South Florida Water Management District.

REMARKS.--The station was established as part of a project managed by Eduardo Patino and Mike Byrne in cooperation with South Florida Water Management District. Scientific Investigations Report 2004-5028 Application of Acoustic and Optic Methods for Estimating Suspended-Solids Concentrations in the St. Lucie River Estuary, Florida - Patino, Eduardo; Byrne, Michael J. was published.

EXTREMES FOR PERIOD OF RECORD.--
DISCHARGE: Maximum positive discharge, 48,900 ft^3/s Aug. 31, 1997; minimum negative, 44,600 ft^3/s July 24, 2000.
GAGE HEIGHT: Maximum gage height, 5.45 ft, Sept. 25, 2004; minimum, -1.28 ft Apr. 28, 1998.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum gage height, 3.86 ft Oct. 28; minimum, -0.82 ft June 8,10.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02277110, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02277110.2013.pdf

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	1.19	-0.21	2.08	0.62	1.70	0.32	1.04	-0.22	1.21	-0.01	1.50	0.00
2	0.81	-0.47	1.92	0.47	1.60	0.33	0.88	-0.33	1.26	-0.11	1.39	-0.05
3	0.73	-0.64	1.84	0.44	1.41	0.14	0.88	-0.26	1.21	-0.14	1.35	-0.15
4	0.84	-0.55	1.75	0.44	1.47	0.26	1.15	0.01	1.18	-0.22	1.28	-0.10
5	1.21	-0.22	1.77	0.41	1.36	0.23	1.24	0.00	1.22	-0.31	1.31	-0.25
6	1.37	0.00	2.10	0.80	1.58	0.47	1.27	-0.28	1.26	-0.31	1.07	-0.44
7	1.44	0.15	2.21	0.96	1.59	0.40	1.26	-0.20	1.30	-0.25	1.19	-0.43
8	1.36	0.11	2.26	1.06	1.78	0.56	1.69	0.00	1.20	-0.35	1.46	-0.06
9	1.40	0.10	2.20	0.90	1.96	0.18	1.59	-0.14	1.38	-0.35	1.88	0.31
10	1.85	0.51	2.16	0.80	1.67	0.11	1.55	-0.16	1.54	-0.02	2.26	0.66
11	1.77	0.56	2.17	0.67	1.64	-0.12	1.51	-0.23	1.31	-0.11	2.22	0.88
12	2.04	0.72	2.13	0.50	1.59	-0.16	1.42	-0.28	0.98	-0.32	2.00	0.59
13	2.32	0.86	2.08	0.26	1.82	-0.28	1.47	-0.19	0.92	-0.50	1.88	0.50
14	2.42	0.97	2.36	0.42	2.40	0.42	1.23	-0.18	0.84	-0.35	1.90	0.42
15	2.29	0.74	2.47	0.51	2.42	0.68	0.98	-0.31	1.07	-0.22	1.71	0.16
16	2.15	0.44	2.65	0.73	2.12	0.55	0.94	-0.28	1.10	-0.16	1.42	-0.20
17	2.12	0.34	2.83	1.14	1.83	0.33	0.91	-0.39	1.00	-0.09	1.00	-0.25
18	2.05	0.31	2.90	1.18	1.51	0.16	0.94	-0.10	1.10	-0.28	0.93	-0.23
19	1.84	0.13	2.65	1.21	1.34	0.10	1.41	0.34	0.93	-0.53	0.97	-0.18
20	1.84	0.14	2.83	1.42	1.23	-0.06	1.54	0.23	0.60	-0.53	1.11	0.01
21	1.75	0.26	2.76	1.44	1.12	-0.10	1.54	0.07	0.84	-0.47	1.24	0.03
22	1.78	0.29	2.70	1.45	1.28	-0.02	1.44	0.05	0.72	-0.46	1.49	0.32
23	1.87	0.50	2.76	1.29	1.49	0.06	1.43	0.06	0.74	-0.54	1.19	0.12
24	1.83	0.62	2.40	0.99	1.30	-0.03	1.11	-0.18	0.89	-0.52	1.34	0.04
25	2.18	0.67	2.17	0.80	1.32	-0.12	0.96	-0.40	1.31	-0.21	1.33	0.05
26	3.60	1.15	1.97	0.58	1.22	-0.13	1.06	-0.28	1.40	0.01	1.24	-0.04
27	3.75	2.31	1.80	0.35	0.97	-0.48	1.22	-0.20	1.40	-0.04	1.24	-0.18
28	3.86	2.30	1.64	0.09	1.16	-0.34	1.34	-0.03	1.47	0.13	1.23	-0.32
29	3.22	1.76	2.05	0.49	1.09	-0.24	1.34	0.02	---	---	1.24	-0.24
30	2.86	1.40	1.84	0.50	1.03	-0.50	1.32	0.04	---	---	1.31	-0.39
31	2.37	0.87	---	---	1.30	-0.05	1.08	-0.23	---	---	1.11	-0.54
Month	3.86	-0.64	2.90	0.09	2.42	-0.50	1.69	-0.40	1.54	-0.54	2.26	-0.54

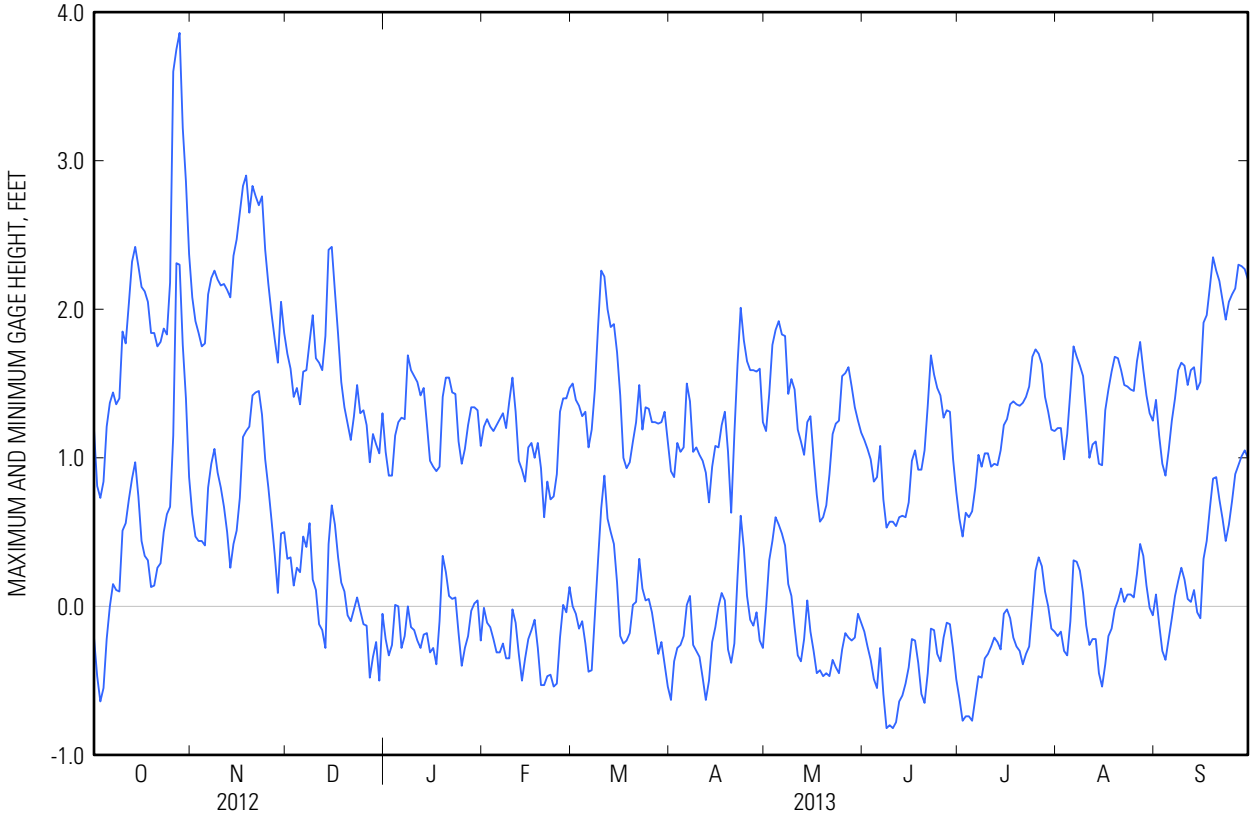
02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	0.91	-0.63	1.18	-0.01	1.12	-0.17	0.59	-0.62	1.20	-0.20	1.39	0.08
2	0.87	-0.37	1.43	0.31	1.06	-0.27	0.47	-0.77	1.20	-0.17	1.15	-0.12
3	1.10	-0.28	1.76	0.44	0.99	-0.36	0.63	-0.74	0.99	-0.30	0.96	-0.30
4	1.04	-0.26	1.86	0.60	0.84	-0.49	0.60	-0.74	1.16	-0.33	0.88	-0.36
5	1.07	-0.20	1.92	0.55	0.87	-0.55	0.64	-0.77	1.45	-0.10	1.05	-0.22
6	1.50	0.01	1.83	0.49	1.08	-0.28	0.80	-0.62	1.75	0.31	1.25	-0.08
7	1.38	0.07	1.82	0.41	0.72	-0.59	1.02	-0.47	1.68	0.30	1.40	0.07
8	1.04	-0.26	1.43	0.15	0.53	-0.82	0.94	-0.48	1.62	0.24	1.59	0.17
9	1.07	-0.30	1.53	0.07	0.57	-0.80	1.03	-0.35	1.55	0.09	1.64	0.26
10	1.02	-0.34	1.46	-0.14	0.57	-0.82	1.03	-0.32	1.29	-0.13	1.62	0.18
11	0.98	-0.48	1.19	-0.33	0.54	-0.78	0.94	-0.27	1.00	-0.26	1.49	0.05
12	0.90	-0.63	1.11	-0.37	0.60	-0.64	0.96	-0.21	1.09	-0.22	1.59	0.03
13	0.70	-0.50	1.02	-0.22	0.61	-0.60	0.95	-0.24	1.11	-0.22	1.61	0.11
14	0.94	-0.24	1.24	0.04	0.60	-0.52	1.05	-0.29	0.96	-0.45	1.46	-0.04
15	1.08	-0.14	1.28	-0.17	0.70	-0.41	1.22	-0.05	0.95	-0.54	1.51	-0.08
16	1.07	0.00	1.00	-0.30	0.98	-0.22	1.26	-0.02	1.32	-0.39	1.91	0.32
17	1.22	0.09	0.75	-0.45	1.05	-0.23	1.36	-0.08	1.46	-0.20	1.96	0.44
18	1.31	0.04	0.57	-0.43	0.92	-0.38	1.38	-0.21	1.58	-0.15	2.15	0.66
19	1.04	-0.29	0.60	-0.47	0.92	-0.59	1.36	-0.27	1.68	-0.02	2.35	0.86
20	0.63	-0.38	0.68	-0.45	1.05	-0.65	1.35	-0.30	1.67	0.04	2.26	0.87
21	1.16	-0.25	0.89	-0.47	1.35	-0.45	1.37	-0.39	1.59	0.12	2.19	0.72
22	1.63	0.20	1.16	-0.36	1.69	-0.15	1.41	-0.32	1.49	0.03	2.06	0.59
23	2.01	0.61	1.23	-0.41	1.56	-0.16	1.48	-0.27	1.48	0.08	1.93	0.44
24	1.79	0.39	1.25	-0.45	1.47	-0.32	1.68	-0.02	1.46	0.08	2.05	0.55
25	1.65	0.07	1.55	-0.29	1.42	-0.37	1.73	0.24	1.45	0.06	2.10	0.71
26	1.59	-0.09	1.57	-0.18	1.27	-0.21	1.70	0.33	1.65	0.22	2.14	0.89
27	1.59	-0.13	1.61	-0.21	1.32	-0.11	1.63	0.27	1.78	0.42	2.30	0.95
28	1.58	-0.04	1.48	-0.23	1.31	-0.12	1.41	0.10	1.59	0.34	2.29	1.01
29	1.60	-0.23	1.34	-0.21	0.99	-0.29	1.31	0.00	1.42	0.14	2.27	1.05
30	1.24	-0.28	1.25	-0.05	0.77	-0.49	1.19	-0.15	1.30	-0.01	2.20	1.00
31	---	---	1.17	-0.11	---	---	1.18	-0.17	1.25	-0.06	---	---
Month	2.01	-0.63	1.92	-0.47	1.69	-0.82	1.73	-0.77	1.78	-0.54	2.35	-0.36

	Max	Min
Year	3.86	-0.82

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SALINITY (TOP, BOTTOM): August 1997 to current year.
SPECIFIC CONDUCTANCE (TOP, BOTTOM): December 2006 to current year.
WATER TEMPERATURE (TOP, BOTTOM): August 1997 to current year.

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

REMARKS.--During periods of missing record, values may have been higher or lower than the listed extremes.Elevation of salinity and temperature sensors are -1.6 ft NGVD (TOP) and -6.7 ft NGVD (BOTTOM).
SALINITY AND SPECIFIC CONDUCTANCE (TOP): All data rated excellent, except for June 3 to Aug. 7, rated poor.
SALINITY AND SPECIFIC CONDUCTANCE (BOTTOM): All data rated excellent except for Apr. 15 to May 15, rated good, May 16 to July 7, rated fair, July 8 to Aug. 7, rated poor.
WATER TEMPERATURE (TOP): All data rated excellent, except for July 8 to Aug. 7, rated poor.
WATER TEMPERATURE (BOTTOM): All data rated excellent, except for July 7 to Aug. 7, rated good.

COOPERATION.--South Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--
SALINITY (TOP): Maximum recorded, 37.5 ppt June 18, 2006; minimum recorded, 0.1 ppt Sept. 27-30, 2004, Oct. 1, 2004, Oct. 26-28, 2005, Nov. 20-22, 2005.
SALINITY (BOTTOM): Maximum recorded, 39.0 ppt May 27, 2013; minimum recorded, 0.1 ppt Mar. 7, 10, 20, 27, 1998, Sept. 27-30, 2004, Oct. 1, 2004, Oct. 26-28, 2005, Nov. 20-22, 2005.
SPECIFIC CONDUCTANCE (TOP): Maximum recorded, 55,800 µS/cm @ 25°C June 1, 2007; minimum recorded, 354 µS/cm @ 25°C Aug. 22, 23, 2008.
SPECIFIC CONDUCTANCE (BOTTOM): Maximum recorded, 58,300 µS/cm @ 25°C May 27, 2013; minimum recorded, 356 µS/cm @ 25°C Aug. 22, 2008.
WATER TEMPERATURE (TOP): Maximum recorded, 34.2 °C Aug. 22, 2005; minimum recorded, 9.2°C Jan. 11, 2010.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.6 °C Aug. 18, 2005; minimum recorded, 9.5°C Jan. 11, 2010.

EXTREMES FOR CURRENT YEAR.--
SALINITY (TOP): Maximum recorded, 35.3 ppt Dec. 14, Apr. 26, 28; minimum recorded, 0.2 ppt Aug. 11-13, 15.
SALINITY (BOTTOM): Maximum recorded, 39.0 ppt May 27; minimum recorded, 0.4 ppt Aug. 8.
SPECIFIC CONDUCTANCE (TOP): Maximum recorded, 53,400 µS/cm @ 25°C Dec. 14; minimum recorded, 417 µS/cm @ 25°C Aug. 13.
SPECIFIC CONDUCTANCE (BOTTOM): Maximum recorded, 58,300 µS/cm @ 25°C May 27; minimum recorded, 937 µS/cm @ 25°C Aug. 8.
WATER TEMPERATURE (TOP): Maximum recorded, 32.3°C Aug. 13, 19, 20; minimum recorded, 15.7°C Mar. 4.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.1 °C Aug. 19, 20; minimum recorded, 16.0 °C Mar. 4.

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

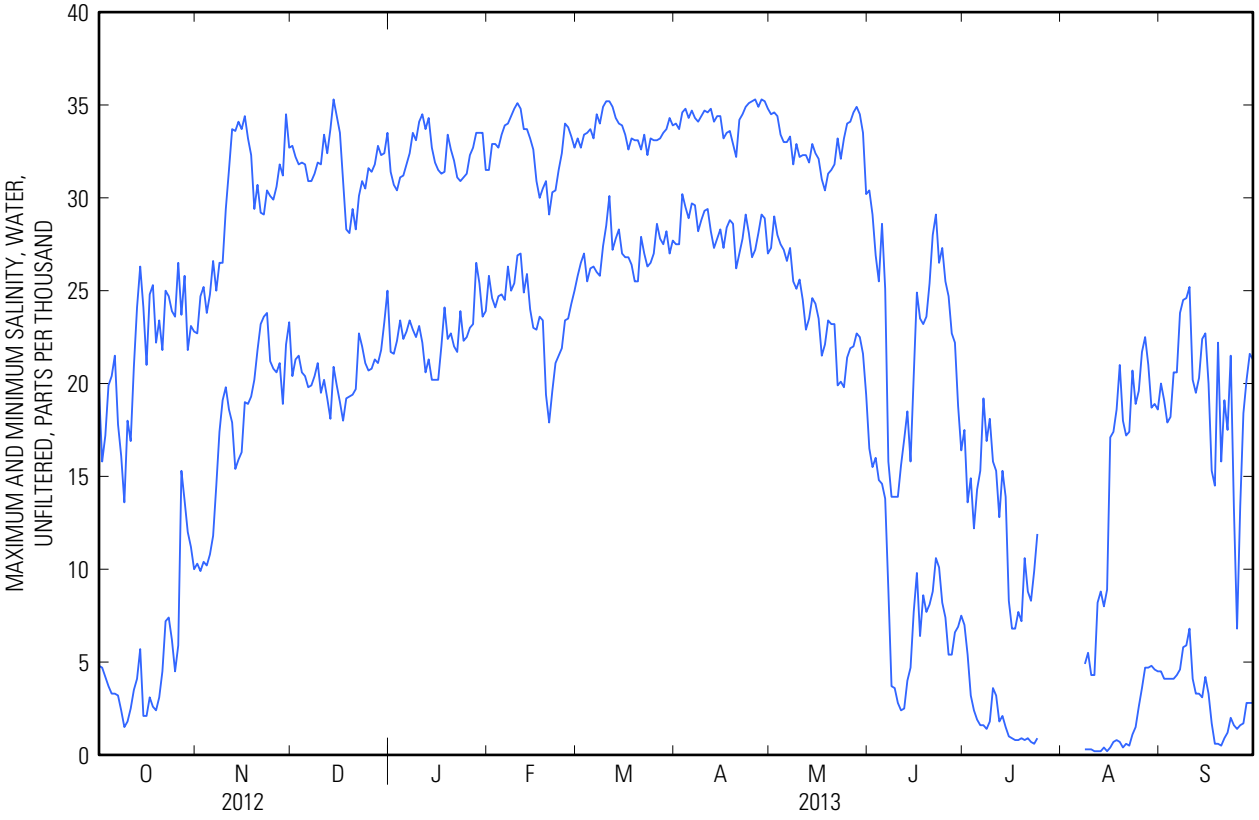
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	19.7	4.8	22.7	10.3	32.8	20.4	31.4	21.7	31.5	25.8	33.2	25.8
2	15.8	4.7	24.7	9.9	32.2	21.3	30.7	21.6	32.9	24.6	32.7	26.5
3	17.2	4.2	25.2	10.4	31.8	21.5	30.4	22.3	32.9	24.1	33.4	27.0
4	19.9	3.7	23.8	10.2	31.9	20.6	31.1	23.4	32.7	24.7	33.5	25.5
5	20.4	3.3	24.8	10.8	31.8	20.4	31.2	22.4	33.4	24.8	33.7	26.2
6	21.5	3.3	26.6	11.8	30.9	19.8	31.8	22.8	33.9	24.5	33.2	26.3
7	17.8	3.2	25.0	14.5	30.9	19.9	32.4	23.4	34.0	26.3	34.5	26.0
8	16.1	2.4	26.5	17.4	31.3	20.4	33.5	22.9	34.4	25.0	34.0	25.8
9	13.6	1.5	26.5	19.1	31.9	21.1	33.1	22.5	34.8	25.4	34.9	27.4
10	18.0	1.8	29.4	19.8	31.8	19.5	34.1	23.1	35.1	26.9	35.2	28.5
11	16.9	2.5	31.5	18.6	33.4	20.2	34.5	22.2	34.8	27.0	35.2	30.1
12	20.9	3.5	33.7	17.9	32.4	19.2	33.7	20.6	33.7	24.9	34.9	27.2
13	24.1	4.1	33.6	15.4	33.7	18.1	34.3	21.3	33.7	25.9	34.3	27.8
14	26.3	5.7	34.1	15.9	35.3	20.9	32.7	20.2	33.2	24.0	34.0	28.3
15	24.1	2.1	33.7	16.3	34.4	19.9	31.9	20.2	32.6	23.0	33.9	27.0
16	21.0	2.1	34.4	19.0	33.5	19.0	31.5	20.2	30.9	22.9	33.4	26.8
17	24.8	3.1	33.2	18.9	30.9	18.0	31.3	22.0	30.0	23.6	32.6	26.8
18	25.3	2.6	32.3	19.3	28.3	19.2	31.4	24.1	30.5	23.4	33.2	26.4
19	22.2	2.4	29.4	20.2	28.1	19.3	33.4	22.4	30.9	19.4	33.1	25.5
20	23.4	3.1	30.7	21.8	29.4	19.4	32.6	22.7	29.1	17.9	33.1	25.5
21	21.8	4.5	29.2	23.2	28.3	19.7	32.0	22.0	30.3	19.6	32.6	27.9
22	25.0	7.2	29.1	23.6	30.1	22.7	31.1	21.7	30.4	21.1	33.4	27.0
23	24.7	7.4	30.4	23.8	30.9	22.0	30.9	23.9	31.5	21.5	32.3	26.3
24	23.9	6.2	30.1	21.2	30.5	21.1	31.1	22.3	32.4	21.9	33.2	26.5
25	23.6	4.5	29.9	20.8	31.6	20.7	31.3	22.5	34.0	23.4	33.1	27.0
26	26.5	5.9	30.6	20.6	31.4	20.8	32.3	23.0	33.8	23.5	33.1	28.6
27	23.7	15.3	31.8	21.1	31.8	21.3	32.7	23.2	33.3	24.3	33.2	27.8
28	25.8	13.7	31.2	18.9	32.8	21.1	33.5	26.5	32.7	25.0	33.5	27.5
29	21.8	12.0	34.5	22.1	32.3	21.8	33.5	25.4	---	---	33.7	28.2
30	23.1	11.2	32.7	23.3	32.4	23.3	33.5	23.6	---	---	34.3	27.0
31	22.8	10.0	---	---	33.5	25.0	31.5	23.9	---	---	33.9	27.7
Month	26.5	1.5	34.5	9.9	35.3	18.0	34.5	20.2	35.1	17.9	35.2	25.5

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	34.0	27.5	34.5	27.3	30.4	16.5	17.5	7.0	---	---	20.0	4.5
2	33.7	27.5	34.6	29.0	29.1	15.5	13.6	5.4	---	---	19.1	4.1
3	34.6	30.2	34.4	28.0	26.9	16.0	14.9	3.2	---	---	17.9	4.1
4	34.8	29.5	33.4	27.5	25.5	14.8	12.2	2.4	---	---	18.2	4.1
5	34.3	28.9	33.0	27.2	28.6	14.6	14.3	1.9	---	---	20.6	4.1
6	34.7	29.7	33.0	26.6	25.1	13.8	15.3	1.6	---	---	20.6	4.3
7	34.3	29.6	33.3	27.3	15.8	8.9	19.2	1.6	---	---	23.8	4.6
8	34.1	28.2	31.8	25.5	13.9	3.7	16.9	1.4	4.9	0.3	24.5	5.8
9	34.4	28.8	32.9	25.1	13.9	3.6	18.1	1.8	5.5	0.3	24.6	5.9
10	34.7	29.3	32.2	25.6	13.9	2.8	15.8	3.6	4.3	0.3	25.2	6.8
11	34.6	29.4	32.3	24.5	15.6	2.4	15.3	3.2	4.3	0.2	20.2	4.1
12	34.8	28.2	32.3	22.9	17.0	2.5	12.8	1.8	8.2	0.2	19.5	3.3
13	34.1	27.3	31.9	23.5	18.5	4.0	15.3	2.1	8.8	0.2	20.3	3.3
14	34.4	27.8	32.9	24.6	15.8	4.7	13.9	1.5	8.0	0.4	22.4	3.1
15	34.4	28.3	32.4	24.3	20.4	7.7	8.3	1.0	8.9	0.2	22.7	4.2
16	33.2	27.3	32.1	23.5	24.9	9.8	6.8	0.9	17.1	0.4	20.0	3.3
17	33.5	28.4	31.0	21.5	23.5	6.4	6.8	0.8	17.4	0.7	15.3	1.7
18	33.6	28.8	30.4	22.1	23.2	8.6	7.7	0.8	18.6	0.8	14.5	0.6
19	32.9	28.6	31.3	23.4	23.6	7.7	7.2	0.9	21.0	0.7	22.2	0.6
20	32.2	26.2	31.5	23.2	25.4	8.1	10.6	0.8	18.0	0.4	15.8	0.5
21	34.2	27.0	31.8	23.2	28.0	8.8	8.8	0.9	17.2	0.6	19.1	0.9
22	34.5	27.8	33.2	19.9	29.1	10.6	8.3	0.7	17.4	0.5	17.5	1.2
23	34.9	29.1	32.1	20.1	26.5	10.1	9.9	0.6	20.7	1.1	21.5	2.0
24	35.1	28.1	33.2	19.8	27.3	8.2	11.9	0.9	18.9	1.5	13.3	1.6
25	35.2	26.8	34.0	21.4	25.5	7.4	---	---	19.6	2.6	6.8	1.4
26	35.3	27.2	34.1	21.9	24.7	5.4	---	---	21.7	3.6	13.4	1.6
27	34.9	28.1	34.6	22.0	22.7	5.4	---	---	22.5	4.7	18.4	1.7
28	35.3	29.1	34.9	22.7	22.2	6.6	---	---	21.0	4.7	20.2	2.8
29	35.2	28.9	34.5	22.5	18.8	6.9	---	---	18.7	4.8	21.6	2.8
30	34.8	27.0	33.5	21.6	16.4	7.5	---	---	18.9	4.6	21.3	2.8
31	---	---	30.2	19.4	---	---	---	---	18.6	4.5	---	---
Month	35.3	26.2	34.9	19.4	30.4	2.4	---	---	---	---	25.2	0.5

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

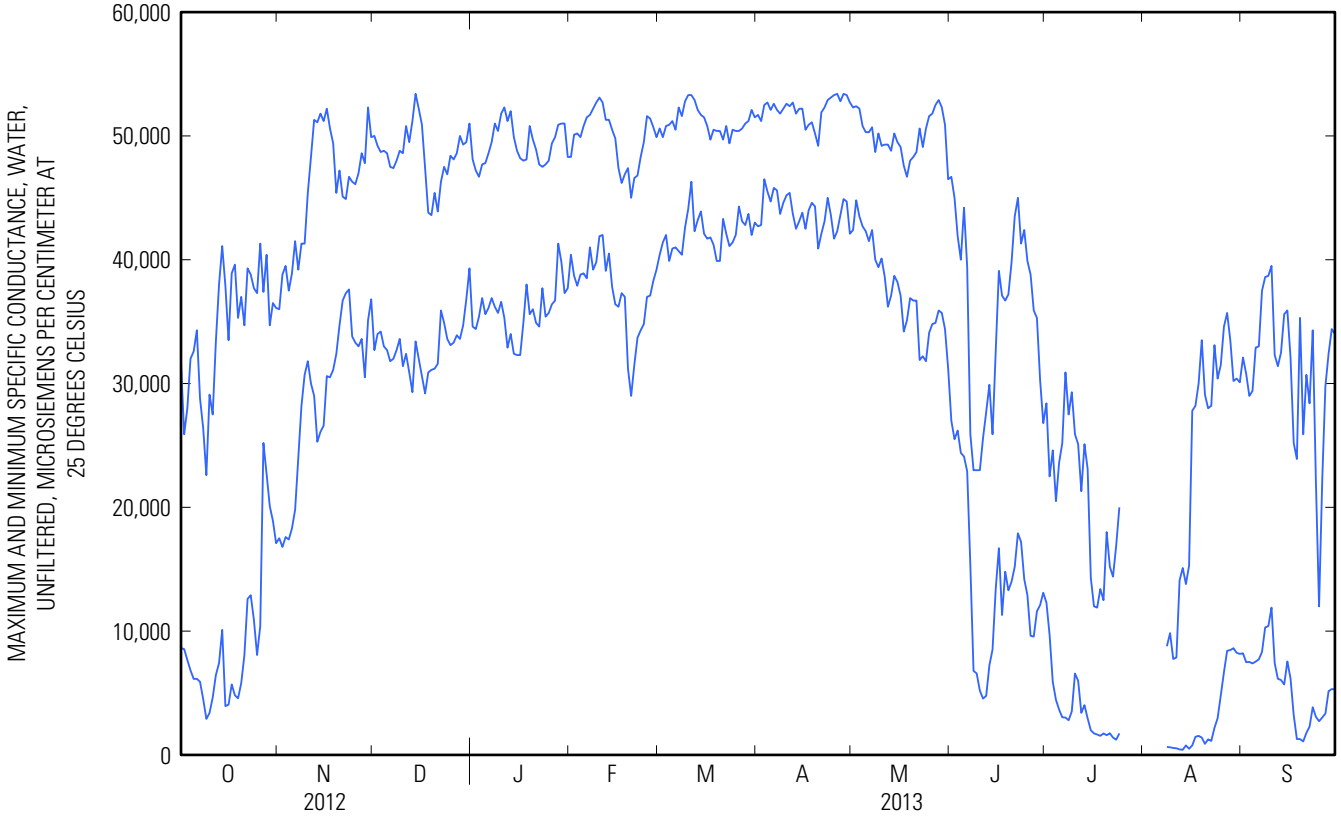
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	31,700	8,640	36,000	17,500	50,000	32,700	48,100	34,600	48,300	40,400	50,600	40,400
2	25,900	8,550	38,800	16,800	49,200	34,000	47,200	34,400	50,100	38,700	49,900	41,400
3	28,000	7,670	39,500	17,600	48,700	34,200	46,700	35,400	50,200	37,900	50,800	42,000
4	32,000	6,830	37,500	17,400	48,800	33,000	47,700	36,900	49,900	38,800	50,900	39,900
5	32,600	6,140	38,900	18,300	48,600	32,700	47,800	35,600	50,800	38,900	51,200	40,900
6	34,300	6,150	41,500	19,800	47,500	31,800	48,600	36,100	51,500	38,500	50,500	41,000
7	28,800	5,910	39,200	24,000	47,400	32,000	49,500	36,900	51,700	41,000	52,300	40,700
8	26,400	4,510	41,300	28,200	48,000	32,700	51,000	36,200	52,200	39,200	51,600	40,400
9	22,600	2,910	41,300	30,700	48,800	33,600	50,400	35,700	52,700	39,800	52,800	42,600
10	29,100	3,390	45,400	31,800	48,600	31,400	51,800	36,600	53,100	41,900	53,300	44,100
11	27,500	4,630	48,300	30,000	50,800	32,400	52,300	35,300	52,700	42,000	53,300	46,300
12	33,400	6,450	51,300	29,000	49,500	30,900	51,200	32,900	51,300	39,100	52,900	42,300
13	38,000	7,420	51,100	25,300	51,200	29,300	52,000	34,000	51,300	40,500	52,100	43,200
14	41,100	10,100	51,800	26,100	53,400	33,400	49,900	32,400	50,500	37,800	51,700	43,900
15	37,900	3,940	51,200	26,600	52,200	32,000	48,800	32,300	49,800	36,400	51,500	42,100
16	33,500	4,060	52,200	30,600	50,900	30,600	48,200	32,300	47,400	36,200	50,800	41,700
17	38,900	5,690	50,600	30,500	47,400	29,200	48,000	34,900	46,200	37,300	49,700	41,800
18	39,600	4,820	49,400	31,100	43,800	30,900	48,100	38,000	46,900	37,000	50,500	41,200
19	35,300	4,570	45,400	32,400	43,600	31,100	50,800	35,600	47,400	31,200	50,400	39,900
20	37,000	5,800	47,200	34,700	45,400	31,200	49,700	36,000	45,000	29,000	50,400	39,900
21	34,700	8,060	45,100	36,700	43,900	31,600	48,900	34,900	46,600	31,500	49,700	43,300
22	39,300	12,600	44,900	37,300	46,300	35,900	47,700	34,600	46,800	33,700	50,800	42,100
23	38,800	12,900	46,700	37,600	47,500	34,900	47,500	37,700	48,300	34,300	49,400	41,100
24	37,700	10,900	46,300	33,800	46,900	33,600	47,700	35,400	49,500	34,800	50,500	41,400
25	37,300	8,070	46,100	33,300	48,400	33,100	48,000	35,700	51,600	37,000	50,400	42,000
26	41,300	10,400	47,000	33,000	48,100	33,300	49,400	36,400	51,400	37,100	50,400	44,300
27	37,400	25,200	48,600	33,600	48,600	33,900	49,900	36,700	50,700	38,300	50,600	43,100
28	40,400	22,700	47,800	30,500	50,000	33,600	50,900	41,300	49,900	39,200	51,000	42,800
29	34,700	20,100	52,300	35,100	49,300	34,700	51,000	39,800	---	---	51,200	43,700
30	36,500	18,900	49,900	36,800	49,500	36,800	51,000	37,300	---	---	52,100	42,000
31	36,100	17,100	---	---	51,000	39,300	48,300	37,700	---	---	51,500	43,000
Month	41,300	2,910	52,300	16,800	53,400	29,200	52,300	32,300	53,100	29,000	53,300	39,900

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	51,700	42,700	52,300	42,400	46,700	27,000	28,400	12,300	---	---	32,100	8,210
2	51,200	42,800	52,400	44,800	45,000	25,500	22,500	9,680	---	---	30,800	7,490
3	52,500	46,500	52,200	43,500	41,900	26,200	24,600	5,890	---	---	29,000	7,510
4	52,700	45,500	50,800	42,700	40,000	24,400	20,500	4,450	---	---	29,400	7,390
5	52,100	44,700	50,300	42,300	44,200	24,100	23,600	3,660	---	---	32,900	7,540
6	52,600	45,800	50,300	41,500	39,400	22,900	25,200	3,040	---	---	33,000	7,720
7	52,100	45,600	50,700	42,400	25,900	15,300	30,900	3,020	---	---	37,500	8,320
8	51,800	43,700	48,700	40,000	23,000	6,790	27,500	2,800	8,780	648	38,600	10,300
9	52,200	44,600	50,200	39,400	23,000	6,580	29,300	3,520	9,840	616	38,700	10,400
10	52,600	45,200	49,200	40,100	23,000	5,190	25,900	6,570	7,750	561	39,500	11,900
11	52,400	45,400	49,300	38,600	25,600	4,550	25,100	6,000	7,870	535	32,300	7,420
12	52,700	43,700	49,300	36,200	27,700	4,770	21,300	3,400	14,100	444	31,400	6,150
13	51,800	42,500	48,800	37,100	29,900	7,230	25,100	4,020	15,100	417	32,500	6,050
14	52,200	43,100	50,200	38,700	25,900	8,510	23,100	2,950	13,800	767	35,600	5,690
15	52,200	43,800	49,500	38,200	32,600	13,400	14,300	1,990	15,300	497	35,900	7,550
16	50,500	42,500	49,100	37,100	39,100	16,700	12,000	1,740	27,800	770	32,100	6,170
17	50,900	44,000	47,600	34,200	37,100	11,300	11,900	1,650	28,200	1,460	25,200	3,220
18	51,100	44,600	46,700	35,100	36,700	14,800	13,400	1,540	30,000	1,540	23,900	1,280
19	50,200	44,300	48,000	36,900	37,200	13,300	12,500	1,740	33,500	1,400	35,300	1,280
20	49,200	40,900	48,300	36,700	39,800	14,000	18,000	1,590	29,100	892	25,900	1,090
21	51,900	42,100	48,700	36,700	43,500	15,200	15,200	1,750	28,000	1,260	30,700	1,780
22	52,300	43,100	50,600	31,900	45,000	17,900	14,400	1,400	28,200	1,130	28,400	2,280
23	52,900	45,000	49,100	32,200	41,300	17,200	16,900	1,230	33,100	2,180	34,300	3,850
24	53,100	43,600	50,600	31,800	42,400	14,200	20,000	1,740	30,400	2,970	22,100	3,080
25	53,300	41,700	51,600	34,100	39,900	12,900	---	---	31,500	4,820	12,000	2,720
26	53,400	42,300	51,800	34,800	38,800	9,620	---	---	34,600	6,690	22,200	3,020
27	52,800	43,600	52,500	34,900	35,900	9,560	---	---	35,700	8,410	29,800	3,340
28	53,400	44,900	52,900	35,900	35,300	11,600	---	---	33,500	8,470	32,400	5,150
29	53,300	44,700	52,300	35,700	30,300	12,100	---	---	30,200	8,620	34,400	5,320
30	52,700	42,100	50,900	34,400	26,800	13,100	---	---	30,400	8,250	34,000	5,300
31	---	---	46,500	31,200	---	---	---	---	30,100	8,160	---	---
Month	53,400	40,900	52,900	31,200	46,700	4,550	---	---	---	---	39,500	1,090

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

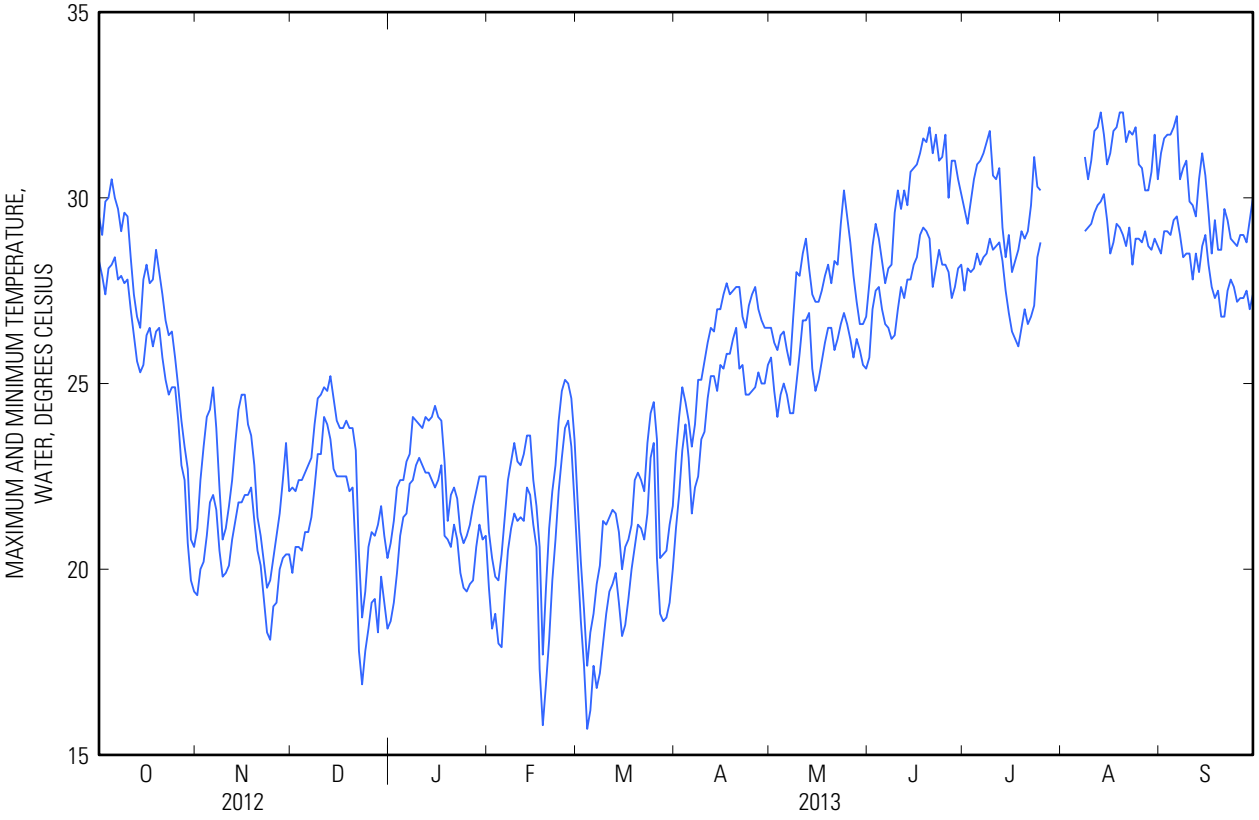
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	29.5	28.3	21.1	19.3	22.2	19.9	20.7	18.6	21.0	19.5	21.8	20.2
2	29.0	27.9	22.4	20.0	22.1	20.6	21.3	19.1	20.3	18.4	20.2	18.6
3	29.9	27.4	23.3	20.2	22.4	20.6	22.2	19.9	19.8	18.8	18.9	17.4
4	30.0	28.1	24.1	20.9	22.4	20.5	22.4	20.9	19.7	18.0	17.4	15.7
5	30.5	28.2	24.3	21.8	22.6	21.0	22.4	21.4	20.4	17.9	18.3	16.2
6	30.0	28.4	24.9	22.0	22.8	21.0	22.9	21.5	21.4	19.3	18.8	17.4
7	29.7	27.8	23.8	21.6	23.0	21.4	23.1	22.3	22.4	20.5	19.6	16.8
8	29.1	27.9	22.2	20.5	23.9	22.2	24.1	22.4	22.9	21.1	20.1	17.2
9	29.6	27.7	20.8	19.8	24.6	23.1	24.0	22.8	23.4	21.5	21.3	18.0
10	29.5	27.8	21.1	19.9	24.7	23.1	23.9	23.0	22.9	21.3	21.2	18.8
11	28.4	27.0	21.7	20.1	24.9	24.1	23.8	22.8	22.8	21.4	21.4	19.4
12	27.4	26.3	22.4	20.8	24.8	23.9	24.1	22.6	23.1	21.3	21.6	19.6
13	26.8	25.6	23.4	21.3	25.2	23.5	24.0	22.6	23.6	22.2	21.5	19.9
14	26.5	25.3	24.3	21.8	24.6	22.7	24.1	22.4	23.6	22.0	21.0	19.1
15	27.8	25.5	24.7	21.8	24.0	22.5	24.4	22.2	22.4	21.2	20.0	18.2
16	28.2	26.3	24.7	22.0	23.8	22.5	24.1	22.4	21.7	20.6	20.6	18.5
17	27.7	26.5	23.9	22.0	23.8	22.5	24.0	22.8	20.6	17.3	20.8	19.2
18	27.8	26.0	23.6	22.2	24.0	22.5	22.9	20.9	17.7	15.8	21.2	20.0
19	28.6	26.4	22.8	21.3	23.8	22.1	21.3	20.8	19.5	16.9	22.4	20.6
20	28.0	26.5	21.4	20.5	23.8	22.2	22.0	20.6	21.1	18.1	22.6	21.2
21	27.4	25.7	20.9	20.1	23.2	20.4	22.2	21.2	22.1	19.7	22.4	21.1
22	26.7	25.1	20.2	19.2	20.4	17.8	21.9	20.8	22.8	20.8	22.1	20.8
23	26.3	24.7	19.5	18.3	18.7	16.9	21.0	19.9	24.0	22.1	23.4	21.5
24	26.4	24.9	19.7	18.1	19.4	17.8	20.7	19.5	24.8	23.0	24.2	23.0
25	25.7	24.9	20.3	19.0	20.6	18.4	20.9	19.4	25.1	23.8	24.5	23.4
26	24.9	24.0	20.9	19.1	21.0	19.1	21.2	19.6	25.0	24.0	23.5	20.3
27	24.0	22.8	21.5	20.0	20.9	19.2	21.7	19.7	24.6	23.3	20.3	18.8
28	23.3	22.4	22.4	20.3	21.2	18.3	22.1	20.6	23.5	21.8	20.4	18.6
29	22.7	20.7	23.4	20.4	21.7	19.8	22.5	21.2	---	---	20.5	18.7
30	20.8	19.7	22.1	20.4	20.9	19.1	22.5	20.8	---	---	21.2	19.1
31	20.6	19.4	---	---	20.3	18.4	22.5	20.9	---	---	21.7	20.0
Month	30.5	19.4	24.9	18.1	25.2	16.9	24.4	18.6	25.1	15.8	24.5	15.7

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	23.1	21.1	26.5	25.7	27.7	25.7	29.7	27.5	---	---	31.2	28.5
2	24.1	22.0	26.1	24.8	28.7	27.0	29.3	28.1	---	---	31.6	29.1
3	24.9	23.2	25.9	24.1	29.3	27.5	29.9	28.0	---	---	31.7	29.1
4	24.5	23.9	26.3	24.7	28.9	27.6	30.5	28.1	---	---	31.7	29.0
5	24.0	23.0	26.4	25.0	28.3	27.0	30.9	28.5	---	---	31.9	29.4
6	23.3	21.5	25.9	24.7	27.7	26.6	31.0	28.2	---	---	32.2	29.5
7	23.9	22.2	25.5	24.2	28.1	26.5	31.2	28.4	---	---	30.5	29.0
8	25.1	22.5	26.8	24.2	28.2	26.2	31.5	28.5	31.1	29.1	30.8	28.4
9	25.1	23.5	28.0	25.0	29.6	26.3	31.8	28.9	30.5	29.2	31.0	28.5
10	25.6	23.7	27.9	25.8	30.2	27.0	30.6	28.6	31.0	29.3	29.9	28.5
11	26.1	24.6	28.5	26.7	29.7	27.6	30.5	28.7	31.8	29.6	29.8	27.8
12	26.5	25.2	28.9	26.7	30.2	27.3	30.8	28.8	31.9	29.8	29.5	28.5
13	26.4	25.2	28.1	26.9	29.8	27.8	29.2	28.3	32.3	29.9	30.5	28.0
14	27.0	24.8	27.4	25.4	30.7	27.8	28.4	27.5	31.7	30.1	31.2	28.7
15	27.0	25.5	27.2	24.8	30.8	28.2	29.0	26.9	30.9	29.4	30.6	29.0
16	27.4	25.4	27.2	25.1	30.9	28.4	28.0	26.4	31.2	28.5	29.6	28.2
17	27.7	25.8	27.5	25.6	31.2	29.0	28.3	26.2	31.8	28.8	28.5	27.6
18	27.4	25.8	27.9	26.1	31.6	29.2	28.6	26.0	31.9	29.3	29.4	27.3
19	27.5	26.2	28.2	26.5	31.5	29.1	29.1	26.5	32.3	29.2	28.6	27.5
20	27.6	26.5	27.7	26.5	31.9	28.9	28.9	27.0	32.3	29.0	28.6	26.8
21	27.6	25.4	28.3	25.9	31.2	27.6	29.1	26.6	31.5	28.7	29.7	26.8
22	26.8	25.5	28.2	26.2	31.7	28.1	29.8	26.8	31.8	29.2	29.4	27.5
23	26.5	24.7	29.3	26.6	31.0	28.6	31.1	27.1	31.7	28.2	28.9	27.8
24	27.1	24.7	30.2	26.9	31.1	28.2	30.3	28.4	31.9	28.9	28.8	27.6
25	27.4	24.8	29.5	26.6	31.7	28.2	30.2	28.8	30.9	28.9	28.7	27.2
26	27.6	24.9	28.8	26.2	30.0	28.0	---	---	30.8	28.8	29.0	27.3
27	27.0	25.3	27.9	25.7	31.0	27.3	---	---	30.2	29.1	29.0	27.3
28	26.7	25.0	27.2	26.2	31.0	27.6	---	---	30.2	28.7	28.8	27.5
29	26.5	25.0	26.6	25.9	30.5	28.1	---	---	30.7	28.6	29.4	27.0
30	26.5	25.5	26.6	25.5	30.1	28.2	---	---	31.7	28.9	30.0	27.4
31	---	---	26.8	25.4	---	---	---	---	30.5	28.7	---	---
Month	27.7	21.1	30.2	24.1	31.9	25.7	---	---	---	---	32.2	26.8

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

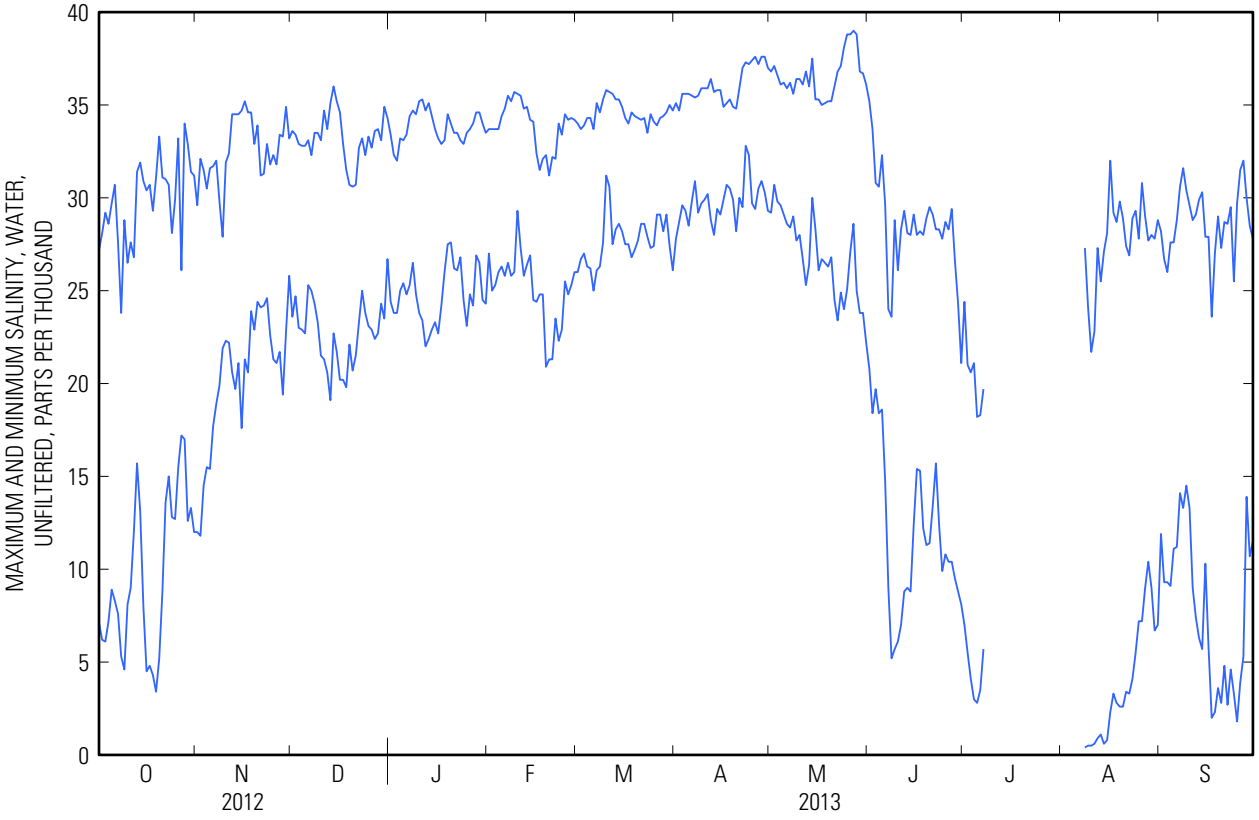
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	27.2	7.1	29.6	12.0	33.6	23.6	33.4	24.4	33.7	27.0	34.0	26.0
2	28.1	6.2	32.1	11.8	33.4	24.7	32.3	23.8	33.7	25.0	33.7	26.7
3	29.2	6.1	31.5	14.5	32.9	23.0	32.0	23.8	33.7	25.3	33.9	27.0
4	28.6	7.2	30.5	15.5	32.8	22.9	33.2	25.0	33.7	26.0	34.3	26.3
5	29.7	8.9	31.6	15.4	32.8	22.7	33.1	25.4	34.4	26.3	34.3	26.2
6	30.7	8.3	31.7	17.7	33.1	25.3	33.4	24.8	34.8	25.8	33.7	25.0
7	27.6	7.6	32.0	18.9	32.3	25.0	34.4	25.3	35.5	26.5	35.1	26.1
8	23.8	5.3	29.8	19.9	33.5	24.3	34.7	26.5	35.2	25.8	34.6	26.3
9	28.8	4.6	27.9	21.9	33.5	23.3	34.5	24.8	35.7	26.0	35.3	27.6
10	26.5	8.1	31.9	22.3	33.1	21.5	35.2	23.8	35.6	29.3	35.8	31.2
11	27.6	9.0	32.4	22.2	34.7	21.3	35.3	23.4	35.5	27.3	35.7	30.6
12	26.8	12.0	34.5	20.6	33.7	20.6	34.7	22.0	34.8	25.8	35.6	27.5
13	31.4	15.7	34.5	19.7	35.1	19.1	35.1	22.4	34.9	26.4	35.3	28.3
14	31.9	13.1	34.5	21.1	36.0	22.7	34.4	22.9	34.2	26.9	35.3	28.6
15	30.9	8.0	34.7	17.6	35.2	21.7	33.7	23.3	34.1	24.5	34.9	28.2
16	30.4	4.5	35.2	21.3	34.6	20.2	33.2	22.7	32.4	24.4	34.3	27.5
17	30.7	4.8	34.6	20.6	32.9	20.2	32.9	24.2	31.5	24.8	34.0	27.5
18	29.3	4.3	34.6	23.9	31.5	19.8	33.1	26.0	32.1	24.8	34.6	26.8
19	31.1	3.4	32.9	22.9	30.7	22.1	34.5	27.5	32.3	20.9	34.4	27.2
20	33.3	5.2	33.9	24.4	30.6	20.7	34.0	27.6	31.2	21.3	34.3	27.7
21	31.1	8.8	31.2	24.1	30.7	21.5	33.5	26.2	32.2	21.3	34.2	28.6
22	31.0	13.6	31.3	24.2	32.7	23.3	33.5	26.1	32.1	23.5	34.3	28.6
23	30.7	15.0	32.9	24.6	33.2	25.0	33.1	26.8	34.0	22.3	33.5	27.9
24	28.1	12.8	31.8	22.6	32.3	23.8	32.9	24.5	33.4	22.9	34.5	27.3
25	29.9	12.7	32.3	21.3	33.3	23.1	33.5	23.1	34.5	25.5	34.1	27.4
26	33.2	15.5	31.8	21.1	32.7	22.9	33.7	24.8	34.2	24.8	33.9	29.1
27	26.1	17.2	33.4	21.7	33.6	22.4	34.0	24.2	34.3	25.3	34.3	29.1
28	34.0	17.0	33.3	19.4	33.7	22.7	34.6	26.9	34.2	26.0	34.4	28.2
29	32.9	12.6	34.9	22.8	33.1	24.3	34.6	26.5	---	---	34.6	29.1
30	31.4	13.3	33.2	25.8	34.9	23.5	34.0	24.5	---	---	35.0	27.4
31	31.2	12.0	---	---	34.3	26.7	33.5	24.3	---	---	34.7	26.1
Month	34.0	3.4	35.2	11.8	36.0	19.1	35.3	22.0	35.7	20.9	35.8	25.0

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	35.1	27.8	36.8	29.2	35.2	20.8	24.4	7.0	---	---	28.2	11.9
2	34.7	28.7	37.1	30.7	33.7	18.4	21.0	5.5	---	---	26.7	9.3
3	35.6	29.6	36.6	29.8	30.8	19.7	20.6	4.1	---	---	26.0	9.3
4	35.6	29.3	36.1	29.6	30.6	18.4	21.1	3.0	---	---	27.6	9.1
5	35.6	28.5	36.2	29.1	32.3	18.6	18.2	2.8	---	---	27.6	11.1
6	35.5	29.8	35.9	28.6	29.6	14.7	18.3	3.5	---	---	28.8	11.2
7	35.4	30.9	36.2	28.4	24.0	9.0	19.7	5.7	---	---	30.6	14.1
8	35.5	29.2	35.6	29.0	23.6	5.2	---	---	27.3	0.4	31.6	13.3
9	35.9	29.7	36.4	27.7	28.8	5.7	---	---	24.1	0.5	30.4	14.5
10	35.9	29.9	36.4	28.0	26.1	6.1	---	---	21.7	0.5	29.6	13.3
11	35.9	30.2	36.1	26.7	28.3	7.0	---	---	22.8	0.6	28.8	9.0
12	36.4	28.8	36.8	25.3	29.3	8.8	---	---	27.3	0.9	29.1	7.4
13	35.7	28.0	36.0	26.4	28.1	9.0	---	---	25.5	1.1	29.9	6.3
14	35.8	29.4	37.5	30.0	28.0	8.8	---	---	27.1	0.6	30.3	5.7
15	35.8	29.1	35.3	28.3	29.1	12.4	---	---	28.1	0.8	27.9	10.3
16	34.9	29.9	35.3	26.1	28.0	15.4	---	---	32.0	2.3	27.9	5.8
17	35.1	30.7	35.0	26.7	28.2	15.3	---	---	29.2	3.3	23.6	2.0
18	35.3	30.5	35.1	26.5	28.0	12.2	---	---	28.7	2.8	27.0	2.3
19	34.9	29.9	35.2	26.3	28.9	11.3	---	---	29.8	2.6	29.0	3.6
20	34.8	28.2	35.2	26.8	29.5	11.4	---	---	28.9	2.6	27.3	2.8
21	35.9	30.0	36.0	24.5	29.1	13.4	---	---	27.4	3.4	28.7	4.8
22	37.0	29.5	36.8	23.4	28.3	15.7	---	---	26.9	3.3	28.6	2.7
23	37.3	32.8	37.1	24.9	28.3	12.4	---	---	28.9	4.1	29.5	4.6
24	37.2	32.3	38.1	24.0	27.8	9.9	---	---	29.3	5.5	25.5	3.3
25	37.4	29.7	38.8	25.1	28.7	10.8	---	---	27.8	7.2	29.7	1.8
26	37.6	29.4	38.8	27.1	28.3	10.4	---	---	30.8	7.2	31.5	3.9
27	37.2	30.5	39.0	28.6	29.4	10.4	---	---	29.0	9.0	32.0	5.3
28	37.6	30.9	38.8	25.0	26.6	9.5	---	---	27.7	10.4	30.0	13.9
29	37.6	30.3	36.8	23.8	24.3	8.8	---	---	28.0	9.0	28.5	10.7
30	37.0	29.3	36.7	23.8	21.1	8.1	---	---	27.8	6.7	27.8	11.5
31	---	---	36.1	22.2	---	---	---	---	28.8	7.0	---	---
Month	37.6	27.8	39.0	22.2	35.2	5.2	---	---	---	---	32.0	1.8

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

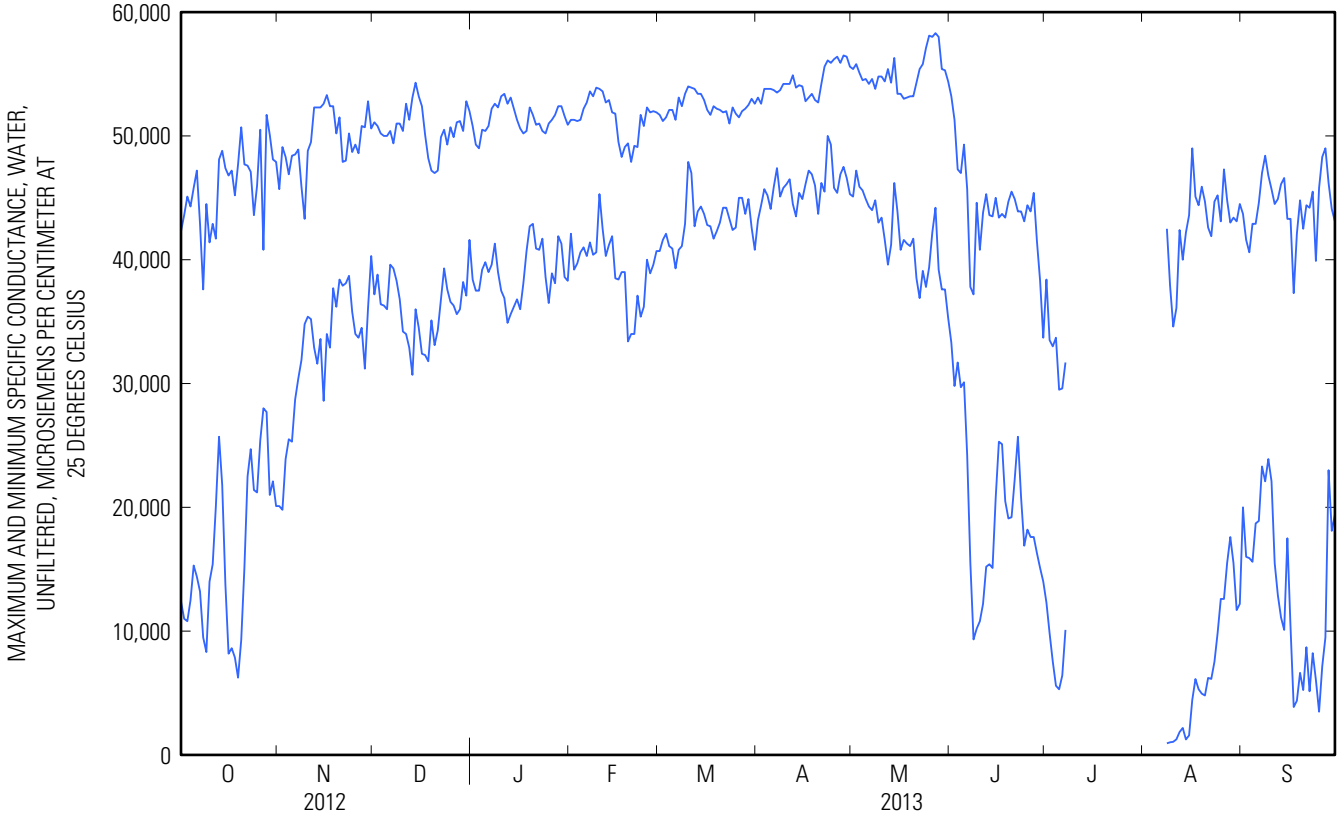
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	42,300	12,400	45,700	20,100	51,100	37,200	50,800	38,400	51,300	42,100	51,700	40,700
2	43,600	11,000	49,100	19,800	50,800	38,800	49,300	37,500	51,300	39,200	51,200	41,600
3	45,100	10,800	48,300	23,900	50,200	36,400	49,000	37,500	51,200	39,700	51,500	42,100
4	44,300	12,500	46,900	25,500	50,000	36,300	50,500	39,200	51,300	40,600	52,100	41,100
5	45,800	15,300	48,400	25,300	50,000	36,000	50,400	39,800	52,200	41,000	52,100	40,900
6	47,200	14,400	48,500	28,700	50,400	39,600	50,800	39,000	52,700	40,300	51,300	39,300
7	42,900	13,200	48,900	30,400	49,400	39,300	52,200	39,600	53,600	41,400	53,100	40,800
8	37,600	9,490	45,900	31,900	51,000	38,300	52,600	41,300	53,200	40,400	52,400	41,100
9	44,500	8,310	43,300	34,800	51,000	36,800	52,300	39,000	53,900	40,600	53,400	42,900
10	41,400	14,000	48,800	35,400	50,400	34,200	53,200	37,500	53,800	45,300	54,000	47,900
11	42,900	15,400	49,500	35,200	52,600	34,000	53,400	36,900	53,600	42,500	53,900	47,000
12	41,700	20,100	52,300	32,900	51,300	32,900	52,600	34,900	52,700	40,300	53,800	42,700
13	48,100	25,700	52,300	31,600	53,100	30,700	53,100	35,600	52,900	41,200	53,400	43,900
14	48,800	21,800	52,300	33,600	54,300	36,000	52,200	36,200	51,900	41,900	53,400	44,300
15	47,400	13,800	52,600	28,600	53,200	34,500	51,300	36,800	51,800	38,500	52,900	43,700
16	46,800	8,180	53,300	34,000	52,400	32,400	50,600	36,000	49,500	38,400	52,100	42,800
17	47,200	8,620	52,400	32,900	50,100	32,300	50,200	38,100	48,300	39,000	51,700	42,700
18	45,200	7,870	52,400	37,700	48,200	31,800	50,400	40,700	49,100	39,000	52,400	41,700
19	47,700	6,240	50,200	36,200	47,200	35,100	52,300	42,700	49,400	33,400	52,200	42,300
20	50,700	9,280	51,500	38,400	47,000	33,100	51,700	42,900	47,900	34,000	52,100	43,000
21	47,700	15,100	47,900	37,900	47,200	34,300	50,900	40,900	49,200	34,000	51,900	44,200
22	47,600	22,500	48,000	38,100	49,900	36,800	51,000	40,800	49,100	37,100	52,000	44,200
23	47,100	24,700	50,200	38,700	50,500	39,300	50,400	41,700	51,700	35,400	51,000	43,300
24	43,600	21,400	48,700	35,800	49,300	37,600	50,200	38,600	50,800	36,200	52,300	42,400
25	46,000	21,200	49,300	34,000	50,700	36,600	51,000	36,500	52,300	40,000	51,800	42,600
26	50,500	25,400	48,600	33,700	49,900	36,300	51,300	38,900	51,900	38,900	51,500	45,000
27	40,800	28,000	50,800	34,500	51,100	35,600	51,700	38,100	52,000	39,600	52,000	45,000
28	51,700	27,700	50,700	31,200	51,200	36,000	52,400	41,900	51,900	40,700	52,200	43,700
29	50,100	21,000	52,800	36,100	50,400	38,200	52,400	41,300	---	---	52,500	44,900
30	48,100	22,100	50,600	40,300	52,800	37,100	51,600	38,600	---	---	53,000	42,600
31	47,900	20,100	---	---	52,000	41,600	50,900	38,300	---	---	52,600	40,800
Month	51,700	6,240	53,300	19,800	54,300	30,700	53,400	34,900	53,900	33,400	54,000	39,300

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	53,100	43,200	55,400	45,100	53,200	33,300	38,400	12,300	---	---	43,700	20,000
2	52,600	44,400	55,800	47,200	51,300	29,800	33,500	9,820	---	---	41,600	16,000
3	53,800	45,700	55,100	45,900	47,300	31,700	33,000	7,540	---	---	40,600	15,900
4	53,800	45,200	54,500	45,600	47,000	29,700	33,700	5,590	---	---	42,900	15,600
5	53,800	44,100	54,600	44,900	49,300	30,100	29,500	5,300	---	---	42,900	18,700
6	53,700	45,900	54,200	44,300	45,700	24,200	29,600	6,420	---	---	44,600	18,900
7	53,500	47,400	54,600	44,000	37,800	15,500	31,700	10,100	---	---	47,000	23,300
8	53,700	45,100	53,800	44,800	37,200	9,330	---	---	42,500	937	48,400	22,100
9	54,200	45,800	54,800	43,000	44,600	10,200	---	---	37,900	1,020	46,800	23,900
10	54,200	46,100	54,800	43,400	40,800	10,800	---	---	34,600	1,060	45,700	22,100
11	54,200	46,500	54,400	41,600	43,800	12,200	---	---	36,100	1,260	44,500	15,500
12	54,900	44,500	55,400	39,600	45,300	15,200	---	---	42,400	1,850	44,900	12,900
13	53,900	43,500	54,300	41,200	43,600	15,400	---	---	40,000	2,180	46,100	11,100
14	54,100	45,400	56,300	46,200	43,500	15,100	---	---	42,200	1,250	46,600	10,100
15	54,000	44,900	53,400	43,900	45,000	20,800	---	---	43,600	1,580	43,300	17,500
16	52,800	46,100	53,400	40,800	43,400	25,300	---	---	49,000	4,440	43,300	10,300
17	53,100	47,200	53,000	41,600	43,700	25,100	---	---	45,100	6,130	37,300	3,870
18	53,400	46,900	53,100	41,300	43,400	20,500	---	---	44,400	5,310	42,100	4,380
19	52,900	46,000	53,200	41,100	44,700	19,100	---	---	45,900	4,950	44,800	6,630
20	52,700	43,700	53,200	41,700	45,500	19,200	---	---	44,700	4,800	42,500	5,240
21	54,200	46,200	54,300	38,500	44,900	22,300	---	---	42,600	6,220	44,400	8,700
22	55,600	45,500	55,400	36,900	43,900	25,700	---	---	41,900	6,140	44,200	5,140
23	56,100	50,000	55,800	39,100	43,900	20,800	---	---	44,700	7,530	45,500	8,220
24	55,900	49,300	57,100	37,800	43,100	16,900	---	---	45,200	9,850	39,900	6,060
25	56,200	45,800	58,100	39,400	44,400	18,200	---	---	43,100	12,600	45,800	3,490
26	56,400	45,400	58,000	42,200	43,900	17,600	---	---	47,300	12,600	48,300	7,150
27	55,900	46,900	58,300	44,200	45,400	17,600	---	---	44,800	15,500	49,000	9,490
28	56,500	47,500	58,000	39,200	41,500	16,300	---	---	43,000	17,600	46,200	23,000
29	56,400	46,600	55,400	37,600	38,300	15,100	---	---	43,400	15,500	44,100	18,100
30	55,600	45,300	55,300	37,600	33,700	14,000	---	---	43,100	11,700	43,100	19,400
31	---	---	54,400	35,300	---	---	---	---	44,500	12,200	---	---
Month	56,500	43,200	58,300	35,300	53,200	9,330	---	---	---	---	49,000	3,490

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued



02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

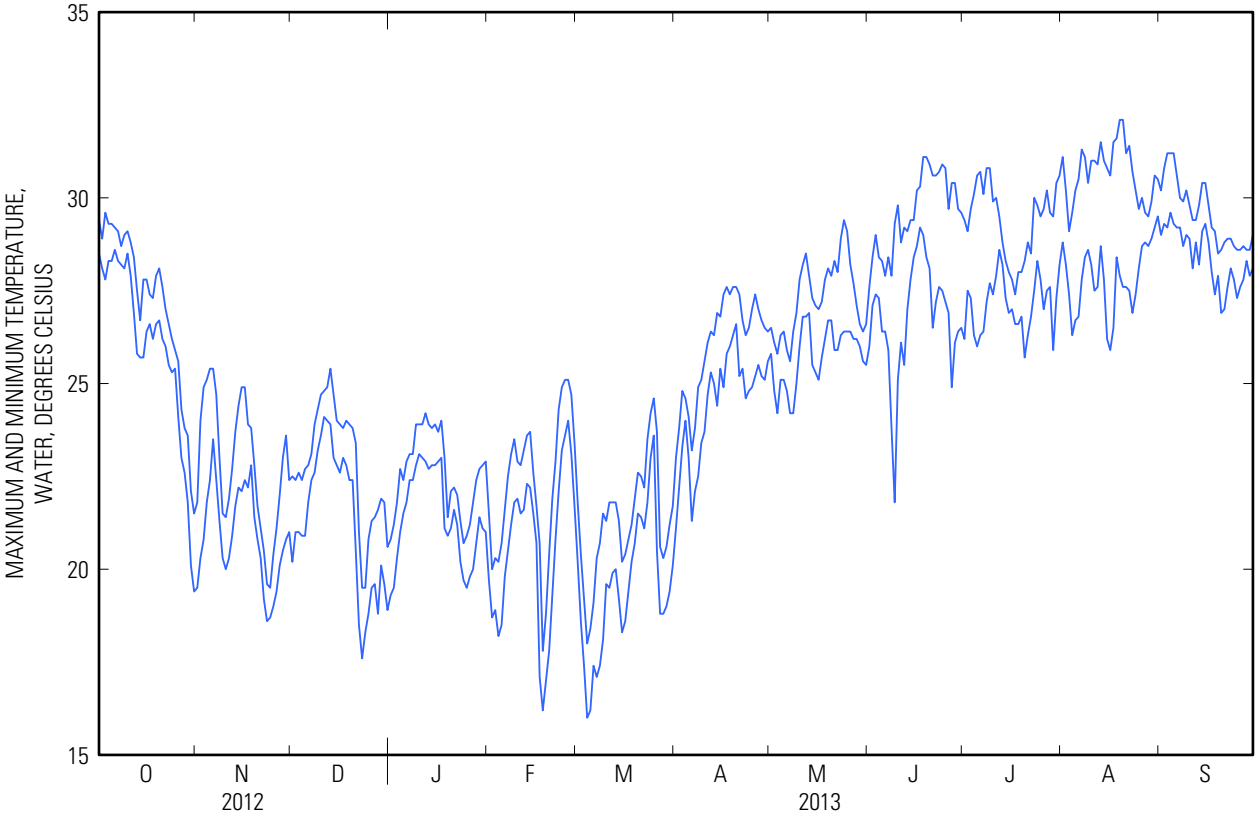
BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	29.4	28.5	21.8	19.5	22.5	20.2	20.8	19.3	21.5	19.7	21.8	20.2
2	28.9	28.1	24.0	20.3	22.4	21.0	21.2	19.5	20.0	18.7	20.4	18.6
3	29.6	27.8	24.9	20.8	22.6	21.0	21.8	20.3	20.3	18.9	19.2	17.4
4	29.3	28.3	25.1	21.8	22.4	20.9	22.7	21.0	20.2	18.2	18.0	16.0
5	29.3	28.3	25.4	22.4	22.7	20.9	22.4	21.5	20.7	18.5	18.4	16.2
6	29.2	28.6	25.4	23.5	22.8	21.8	22.9	21.8	21.6	19.8	19.1	17.4
7	29.1	28.3	24.7	22.4	23.1	22.4	23.1	22.4	22.5	20.5	20.3	17.1
8	28.7	28.2	23.0	21.3	23.9	22.6	23.1	22.4	23.1	21.2	20.7	17.4
9	29.0	28.1	21.5	20.3	24.3	23.2	23.9	22.8	23.5	21.8	21.5	18.1
10	29.1	28.5	21.4	20.0	24.7	23.6	23.9	23.1	22.9	21.9	21.3	19.6
11	28.8	27.9	21.9	20.3	24.8	24.1	23.9	23.0	22.8	21.5	21.8	19.5
12	28.4	26.9	22.7	20.9	24.9	24.0	24.2	22.9	23.2	21.6	21.8	19.9
13	27.5	25.8	23.7	21.7	25.4	23.9	23.9	22.7	23.6	22.3	21.8	20.0
14	26.7	25.7	24.4	22.2	24.7	23.0	23.8	22.8	23.7	22.2	21.3	19.2
15	27.8	25.7	24.9	22.1	24.0	22.8	23.9	22.8	22.6	21.5	20.2	18.3
16	27.8	26.4	24.9	22.4	23.9	22.6	23.7	22.9	21.7	20.7	20.4	18.6
17	27.4	26.6	23.9	22.2	23.8	23.0	24.0	23.0	20.7	17.1	20.8	19.4
18	27.3	26.2	23.8	22.8	24.0	22.8	23.0	21.1	17.8	16.2	21.2	20.2
19	27.9	26.6	22.8	21.4	23.9	22.4	21.4	20.9	18.8	17.0	21.9	20.7
20	28.1	26.7	21.7	20.8	23.8	22.4	22.1	21.1	20.4	17.8	22.6	21.5
21	27.6	26.2	21.1	20.3	23.4	20.5	22.2	21.6	21.9	19.3	22.5	21.4
22	27.0	26.0	20.5	19.2	21.0	18.5	22.0	21.2	22.9	20.8	22.2	21.1
23	26.6	25.5	19.6	18.6	19.5	17.6	21.3	20.2	24.3	22.1	23.5	21.8
24	26.2	25.3	19.5	18.7	19.5	18.3	20.7	19.7	24.9	23.2	24.2	23.0
25	25.9	25.4	20.4	19.0	20.8	18.8	20.9	19.5	25.1	23.6	24.6	23.6
26	25.6	24.1	21.1	19.4	21.3	19.5	21.2	19.8	25.1	24.0	23.7	20.5
27	24.3	23.0	22.0	20.1	21.4	19.6	21.8	20.0	24.7	23.1	20.6	18.8
28	23.8	22.6	23.0	20.5	21.6	18.8	22.4	20.7	23.4	21.7	20.3	18.8
29	23.6	21.8	23.6	20.8	21.9	20.1	22.7	21.4	---	---	20.6	19.0
30	22.1	20.1	22.4	21.0	21.8	19.6	22.8	21.1	---	---	21.2	19.4
31	21.5	19.4	---	---	20.6	18.9	22.9	21.0	---	---	21.7	20.1
Month	29.6	19.4	25.4	18.6	25.4	17.6	24.2	19.3	25.1	16.2	24.6	16.0

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued

BOTTOM
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	23.0	21.1	26.5	25.8	27.6	26.0	29.4	26.2	31.1	28.8	30.2	29.0
2	23.8	22.2	26.1	24.8	28.4	27.1	29.1	27.5	30.2	28.2	30.8	29.3
3	24.8	23.3	25.8	24.2	29.0	27.4	29.7	27.3	29.1	27.4	31.2	29.2
4	24.6	24.0	26.3	25.1	28.4	27.3	30.1	26.3	29.6	26.3	31.2	29.6
5	24.1	23.0	26.4	25.1	28.3	26.4	30.6	26.0	30.2	26.7	31.2	29.3
6	23.2	21.3	25.9	24.8	27.9	26.4	30.7	26.3	30.5	26.8	30.6	29.2
7	23.8	22.1	25.6	24.2	28.4	25.9	30.1	26.4	31.3	27.8	30.0	29.2
8	24.9	22.5	26.4	24.2	27.9	23.8	30.8	27.2	31.1	28.4	29.9	28.7
9	25.1	23.4	26.9	25.0	29.3	21.8	30.8	27.7	30.4	28.6	30.2	29.0
10	25.6	23.7	27.8	26.0	29.8	25.1	29.9	27.4	31.0	28.2	29.8	28.9
11	26.1	24.7	28.2	26.8	28.8	26.1	30.0	27.9	31.0	27.5	29.4	28.1
12	26.4	25.3	28.5	26.8	29.2	25.5	29.5	28.6	30.9	27.6	29.4	28.8
13	26.3	25.0	27.9	26.9	29.1	27.0	28.8	28.2	31.5	28.7	29.8	28.2
14	26.9	24.4	27.3	25.5	29.4	27.8	28.3	27.3	31.0	27.8	30.4	29.1
15	26.8	25.4	27.1	25.3	29.4	28.4	28.0	26.9	30.8	26.2	30.4	29.3
16	27.4	24.9	27.0	25.1	30.2	28.7	27.8	27.0	30.6	25.9	29.8	28.8
17	27.6	25.8	27.2	25.7	30.3	29.2	27.4	26.6	31.5	26.5	29.2	28.0
18	27.4	26.0	27.8	26.2	31.1	29.0	28.0	26.6	31.6	28.4	29.1	27.4
19	27.6	26.3	28.1	26.7	31.1	28.4	28.0	26.8	32.1	27.9	28.5	27.9
20	27.6	26.6	27.9	26.7	30.9	28.1	28.3	25.7	32.1	27.6	28.6	26.9
21	27.4	25.2	28.3	25.9	30.6	26.5	28.8	26.3	31.2	27.6	28.8	27.0
22	26.7	25.4	28.0	25.9	30.6	27.2	28.5	26.8	31.4	27.5	28.9	27.6
23	26.3	24.6	28.9	26.3	30.7	27.6	30.0	27.5	30.7	26.9	28.9	28.1
24	26.5	24.8	29.4	26.4	30.9	27.5	29.8	28.3	30.2	27.4	28.7	27.8
25	27.0	24.9	29.1	26.4	30.8	27.2	29.5	27.8	29.7	28.1	28.6	27.3
26	27.4	25.2	28.2	26.4	29.7	26.9	29.7	27.0	30.0	28.7	28.6	27.6
27	27.0	25.5	27.7	26.2	30.4	24.9	30.2	27.5	29.6	28.8	28.7	27.8
28	26.7	25.2	27.1	26.2	30.4	26.1	29.6	27.6	29.5	28.7	28.6	28.3
29	26.5	25.1	26.6	26.0	29.7	26.4	29.5	25.9	29.9	28.9	28.6	27.9
30	26.4	25.6	26.4	25.6	29.6	26.5	30.4	27.3	30.6	29.2	29.0	28.1
31	---	---	26.6	25.5	---	---	30.6	28.2	30.5	29.5	---	---
Month	27.6	21.1	29.4	24.2	31.1	21.8	30.8	25.7	32.1	25.9	31.2	26.9

	Max	Min
Year	32.1	16.0

02277110 ST. LUCIE ESTUARY AT A1A (STEELE PT), STUART, FL—Continued