

Water-Data Report 2009

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.

Tampa Bay Basin
Crystal-Pithlachascotee Subbasin

LOCATION.--Lat 28°41'40", long 82°38'21" referenced to North American Datum of 1927, in SE ¼ sec.31, T.20 S., R.17 E., Citrus County, FL, Hydrologic Unit 03100207, (Chassahowitzka Bay quadrangle), on piling of a boundary marker for the Chassahowitzka National Refuge, about 1000 feet north of John's Island and considered at the mouth of the Chassahowitzka River. Gage is just downstream from May Creek, 1.09 miles downstream of Dog Island, 1.7 miles downstream of Crawford Creek and 4.9 miles downstream from the head springs of the river.

DRAINAGE AREA.--119 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2005 to current year (tidal high-high and low-low only).

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

REMARKS.--Interruptions in record were due to days in which a tidal high-high or low-low did not occur, or there was an equipment malfunction.
Maximum and minimum EXTREMES FOR PERIOD OF RECORD represent gage height tidal high-high and low-low.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.16 ft June 13, 2006; minimum, 3.54 ft below NAVD of 1988, Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.54 ft Dec. 11; minimum, 2.88 ft below NAVD of 1988, Feb. 5.

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	High-high	Low-low										
	October		November		December		January		February		March	
1	2.04	-0.70	0.63	-2.03	1.75	-1.34	-0.37	-2.75	0.59	-2.18	1.47	-1.17
2	1.92	-1.17	1.11	-1.47	0.86	-2.17	0.80	-1.72	1.68	-1.95	0.52	-1.94
3	1.03	-1.42	0.91	-1.51	-0.13	-2.21	0.87	-1.47	0.41	-1.48	0.44	-2.28
4	0.69	-1.62	0.55	-1.52	0.12	-1.92	0.78	-1.39	-0.08	-1.49	0.50	-2.72
5	0.83	-1.56	0.78	-1.37	0.33	-1.70	0.99	-1.84	0.03	-2.88	0.80	-2.44
6	1.03	-1.06	0.91	-1.05	0.98	-1.38	1.41	-1.88	0.82	-2.65	0.94	-2.22
7	1.10	-1.39	1.00	-1.01	---	-1.75	0.89	-1.29	---	-2.36	---	-2.15
8	1.32	-0.61	1.15	-0.86	0.84	-2.31	1.18	-2.25	1.10	-2.29	1.24	-1.92
9	1.44	-0.65	1.08	-1.07	1.72	-1.87	---	-2.38	1.14	-2.14	1.36	-1.76
10	1.36	-1.05	---	-1.62	---	-1.54	0.88	-2.32	1.28	-1.95	1.25	-1.68
11	1.12	-1.32	---	-2.00	3.54	-0.98	1.67	-1.90	1.38	-1.50	1.19	-1.64
12	1.18	-1.37	---	-1.73	---	-1.12	1.60	-2.26	1.11	---	1.02	-1.78
13	0.67	-1.54	1.96	-1.34	0.05	-2.84	1.26	-1.87	0.63	-1.80	1.40	---
14	0.66	-1.83	2.80	-0.84	1.01	-2.15	0.47	-2.23	1.04	-1.89	1.71	-1.67
15	0.85	-1.77	2.69	-0.86	1.54	-1.83	0.00	-2.22	0.87	-1.44	1.72	-1.47
16	1.67	-1.32	1.07	-2.24	1.30	-1.86	-1.16	-2.87	0.34	-1.73	1.43	-1.39
17	1.98	-1.16	0.66	-2.09	0.94	-1.74	-0.22	-2.74	0.55	-2.50	1.04	-1.70
18	2.27	-0.92	0.67	-1.98	0.69	-1.61	0.88	-2.16	1.01	-1.85	0.81	-2.11
19	0.23	-2.20	-0.31	-2.38	0.87	-1.31	1.10	-1.42	1.14	-0.53	0.60	-1.96
20	0.40	-1.93	0.66	-1.36	0.88	-1.25	1.12	-1.07	---	-2.32	0.28	-1.97
21	1.18	-1.25	0.60	-1.54	0.54	-1.41	-0.26	-2.75	---	-2.46	-0.33	-2.46
22	0.81	-1.42	-0.07	-2.56	---	-2.47	0.43	-2.59	0.75	-1.98	0.18	-2.53
23	1.10	-1.20	0.56	-1.97	0.70	-2.82	---	-2.36	0.28	-2.61	---	-2.06
24	1.78	-1.06	---	-1.91	1.10	-1.95	0.82	-2.16	-0.28	-2.59	1.17	-1.43
25	---	-0.35	1.50	-1.42	---	-2.12	1.07	-2.08	0.60	-2.08	1.48	-1.27
26	1.17	-1.15	1.14	-1.87	1.10	-2.03	0.81	-2.13	0.87	-1.82	2.03	-0.63
27	0.99	-1.43	1.09	-1.89	0.99	-2.05	0.79	-2.15	1.25	---	2.27	-0.54
28	0.45	-2.25	1.46	-1.70	1.07	-2.05	1.18	-1.76	1.58	-1.62	2.81	---
29	---	-2.12	1.61	-1.42	1.06	-2.04	1.22	-1.59	---	---	1.80	---
30	1.19	-1.90	2.16	-0.43	0.84	-2.12	0.60	-1.98	---	---	1.17	1.43
31	0.89	-2.03	---	---	1.08	-1.76	-0.15	-2.42	---	---	1.82	-1.82
Max	---	-0.35	---	-0.43	---	-0.98	---	-1.07	---	---	---	---
Min	---	-2.25	---	-2.56	---	-2.84	---	-2.87	---	---	---	---

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	High-high	Low-low										
	April		May		June		July		August		September	
1	1.44	-1.36	1.07	-1.66	0.70	-1.31	1.62	-0.41	1.07	-1.55	1.43	-1.25
2	2.09	-1.30	0.73	-1.61	0.90	-1.48	1.67	-0.88	1.36	-1.29	1.47	-1.26
3	---	0.24	1.12	-1.36	1.09	-1.57	1.55	-1.11	1.59	-1.31	1.58	-1.01
4	0.88	-1.35	1.12	-1.14	1.47	-1.06	1.50	-1.32	1.55	-1.34	1.69	-0.92
5	---	-1.54	1.12	-1.19	2.28	-0.59	1.93	-0.89	1.53	-1.16	1.49	-0.97
6	2.13	-0.13	1.20	-1.42	1.53	-1.43	2.49	-0.37	1.64	-1.10	1.45	-1.04
7	1.47	-0.92	1.10	-1.67	1.52	-1.53	2.61	-0.51	1.67	-1.07	1.14	-1.28
8	0.42	-1.91	1.38	-1.58	1.66	-1.46	2.34	-0.56	1.60	---	1.26	-1.13
9	1.05	-1.60	1.45	-1.68	1.60	---	1.86	---	1.18	---	1.30	-1.15
10	1.76	---	1.23	---	1.38	-1.37	1.65	-0.82	1.06	-1.20	1.33	-1.19
11	1.56	---	1.24	-1.74	1.35	-1.43	1.49	-1.08	1.12	-1.04	1.30	-1.23
12	1.45	-1.49	1.00	-1.65	1.21	-1.26	1.16	-1.05	1.46	-0.98	1.89	-0.73
13	1.94	-1.74	1.29	-2.09	1.08	-1.18	1.12	-0.84	1.31	-0.98	2.43	-0.50
14	3.02	-1.24	1.12	-1.76	0.84	-1.21	1.45	-0.70	1.34	-1.34	1.91	-0.79
15	0.82	---	0.88	-1.74	0.92	-1.02	1.26	-1.05	1.43	-1.38	2.07	-0.52
16	0.40	-1.62	1.07	-1.71	0.94	-0.94	1.22	-1.13	1.90	-0.60	2.38	-0.37
17	-0.32	-2.33	0.94	-1.18	1.08	-1.17	1.90	-0.60	1.55	-1.49	2.34	-0.30
18	0.30	-2.46	0.68	-1.84	1.33	-1.44	1.97	-1.10	1.78	-1.32	2.08	-0.66
19	1.11	-1.73	---	-2.83	1.68	-1.24	1.59	-1.56	2.14	-0.93	1.99	-0.65
20	---	-0.96	-0.18	-2.65	1.88	-1.29	1.75	-1.59	2.31	-0.59	1.82	-0.74
21	1.38	-1.24	0.84	-1.49	2.06	-1.09	1.95	-1.46	1.97	-0.81	1.97	-0.70
22	0.86	-1.75	1.35	-1.69	2.17	-0.86	1.98	---	1.57	-0.69	1.68	-0.87
23	0.64	-1.96	1.77	-1.64	2.26	---	1.70	-1.38	1.35	-1.06	1.66	-0.79
24	1.15	-1.82	1.81	---	2.20	-1.26	1.63	-1.29	1.51	-1.07	1.63	-0.74
25	1.20	---	2.00	-1.75	2.20	-1.23	1.18	-1.12	1.25	-1.23	1.75	-0.54
26	1.49	-2.02	2.12	-1.56	2.26	-1.01	1.27	-1.08	1.23	-1.22	1.37	-0.63
27	1.54	-1.99	1.83	-1.31	1.76	-0.25	1.26	-1.13	1.44	---	1.78	-0.32
28	1.47	-2.07	1.86	-1.42	1.73	-0.18	1.09	-1.21	1.62	-0.89	1.37	-0.65
29	1.45	-2.02	1.50	-1.24	2.03	-0.04	1.25	-0.97	1.50	-1.11	1.49	-0.67
30	1.29	-1.91	0.85	-0.96	2.52	-0.19	1.15	-1.13	1.21	-1.18	1.22	-0.78
31	---	---	0.75	-1.26	---	---	1.25	-1.34	1.34	-1.26	---	---
Max	---	---	---	---	2.52	---	2.61	---	2.31	---	2.43	-0.30
Min	---	---	---	---	0.70	---	1.09	---	1.06	---	1.14	-1.28

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

WATER-QUALITY RECORDS

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

INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature sensors located near the top and above the bottom.

REMARKS.--Temperature and specific conductance records are good.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--SPECIFIC CONDUCTANCE:Top sensor maximum, 41,800 microsiemens, June 30, 2009; bottom sensor maximum, 42,400 microsiemens, June 30, 2009; top sensor minimum 5,950 microsiemens, Sep. 21, 2006; bottom sensor minimum, 6,240 microsiemens, Sep. 21, 2006.

TEMPERATURE:Top sensor maximum 33.9°C, July 22, 2008; bottom sensor maximum, 33.8 °C, July 22, 2008; top sensor minimum, 9.2°C, Jan. 5, 2008, Feb. 5, 2009; bottom sensor minimum, 8.6 °C, Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--SPECIFIC CONDUCTANCE:Top sensor maximum, 41,800 microsiemens, June 30; bottom sensor maximum, 42,400 microsiemens, June 30; top sensor minimum 14,200 microsiemens, Feb. 4; bottom sensor minimum, 10,200 microsiemens, Jan. 16.

TEMPERATURE:Top sensor maximum 33.4°C, Aug. 12; bottom sensor maximum, 33.4 °C, Aug. 11, 12; top sensor minimum, 9.2°C, Feb. 5; bottom sensor minimum, 9.4°C, Jan. 22.

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

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

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	33,200	23,500	27,500	---	33,400	18,700	23,500	---	28,400	---	34,800	23,500
2	33,400	21,600	30,300	---	28,200	---	29,200	---	32,500	14,400	29,000	---
3	29,600	20,400	31,000	---	24,100	---	29,500	---	26,900	16,300	29,400	---
4	29,000	20,400	28,000	---	27,000	---	29,000	---	23,700	---	30,500	---
5	30,300	17,300	29,500	17,400	28,000	---	29,800	---	24,600	---	33,600	---
6	30,900	15,900	30,600	16,500	31,000	---	30,800	---	30,900	---	34,000	---
7	29,800	14,600	31,300	16,400	28,000	---	29,800	18,300	31,100	---	34,400	---
8	30,800	16,500	33,200	17,600	29,800	---	29,500	---	32,300	---	35,000	---
9	30,000	16,600	31,000	17,200	33,100	15,200	29,600	---	32,200	---	35,000	---
10	29,000	15,500	30,600	17,100	33,700	---	28,400	---	32,400	---	34,800	---
11	27,300	---	30,600	---	37,700	22,500	31,100	---	32,800	---	34,200	---
12	26,900	---	32,200	---	37,700	17,400	31,200	---	32,100	---	33,900	---
13	25,600	---	35,900	21,200	25,400	---	29,100	---	30,100	---	34,800	---
14	25,100	---	37,400	24,500	30,000	---	25,300	---	31,200	---	35,700	---
15	26,100	---	37,800	25,000	31,800	---	22,700	---	30,800	---	35,500	---
16	29,900	17,300	31,800	---	31,400	---	---	---	27,800	---	34,800	24,800
17	31,100	20,500	29,700	---	30,200	---	22,000	---	28,500	---	33,100	---
18	31,700	19,400	31,700	---	28,900	---	29,200	---	31,900	---	32,800	---
19	24,400	---	25,200	---	29,300	---	30,600	---	32,900	22,700	31,900	---
20	25,200	---	31,300	19,000	29,000	16,600	30,500	---	32,800	---	31,000	---
21	28,900	18,500	30,200	17,300	26,900	---	---	---	28,500	---	28,300	---
22	28,800	---	26,600	---	20,200	---	28,200	---	29,500	---	31,100	---
23	29,600	17,100	29,400	---	27,900	---	28,900	---	28,000	---	32,300	---
24	32,800	16,500	32,700	---	30,400	---	31,200	---	26,400	---	34,700	---
25	32,300	19,400	33,500	21,400	30,600	---	32,000	---	30,300	---	35,700	25,100
26	28,300	17,400	32,500	---	30,500	---	30,700	---	31,200	---	37,200	28,100
27	27,700	---	31,400	---	29,400	---	30,400	---	32,900	---	37,500	28,300
28	25,800	---	32,800	21,000	29,900	---	31,100	---	34,100	---	38,000	29,400
29	24,200	---	34,500	---	30,100	---	31,400	---	---	---	35,800	27,800
30	28,600	---	35,200	25,100	28,900	---	28,400	---	---	---	33,900	---
31	28,400	---	---	---	29,400	---	24,300	---	---	---	36,000	---
Month	33,400	---	37,800	---	37,700	---	---	---	34,100	---	38,000	---

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

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

Day	Max	Min	Max	Min								
	April		May		June		July		August		September	
1	35,200	---	35,900	---	30,800	21,800	38,300	26,800	29,600	---	29,400	18,100
2	37,700	---	34,600	---	31,200	---	37,500	24,800	30,000	19,300	28,300	---
3	36,100	28,900	35,900	---	30,500	---	36,900	23,300	30,400	---	29,000	18,500
4	32,600	---	35,600	26,200	32,200	21,300	36,000	23,000	29,700	---	29,700	18,100
5	34,800	---	35,900	27,100	34,900	23,600	36,700	25,500	29,400	21,600	29,200	19,500
6	36,900	28,700	35,900	27,500	30,700	---	38,000	28,300	29,800	20,700	29,500	19,100
7	35,300	25,300	36,000	---	30,900	---	37,600	28,700	29,700	20,700	28,500	19,800
8	32,100	---	36,600	---	31,000	---	36,300	25,400	29,800	20,500	28,700	20,100
9	34,700	---	37,000	---	31,100	---	---	---	28,800	20,800	29,300	20,100
10	36,900	26,200	36,500	---	30,300	---	---	---	28,600	19,800	30,000	20,600
11	36,100	26,200	37,000	---	30,500	---	---	---	28,800	20,400	30,400	20,500
12	35,600	25,400	36,200	---	30,300	20,900	---	---	30,000	20,700	32,800	21,900
13	37,200	---	37,700	---	30,500	20,500	---	---	29,800	20,200	35,300	23,900
14	39,500	27,100	37,800	---	30,000	20,300	---	---	29,800	20,500	32,600	21,500
15	33,000	24,700	37,100	---	30,800	20,300	---	---	30,200	---	32,800	22,700
16	30,800	24,000	38,100	---	31,600	20,200	---	---	32,200	22,800	33,400	24,100
17	28,700	---	36,000	24,900	33,600	20,900	---	---	31,400	---	32,900	23,300
18	31,100	---	34,000	---	34,700	22,600	---	---	31,600	---	31,500	21,100
19	34,900	---	---	---	35,800	25,000	---	---	31,800	21,300	31,300	22,100
20	34,900	24,700	26,100	---	36,500	25,200	---	---	32,300	22,900	31,000	22,100
21	35,500	24,200	33,200	---	37,900	27,100	---	---	31,700	23,100	31,500	22,700
22	32,900	---	35,300	---	39,600	28,400	---	---	30,100	22,400	30,100	21,000
23	32,300	---	35,900	---	41,600	28,600	---	---	29,100	19,800	30,400	21,200
24	34,000	---	35,700	---	40,600	28,200	---	---	29,300	20,300	30,600	21,200
25	34,100	---	36,200	---	41,000	29,400	---	---	28,700	19,700	30,900	21,000
26	35,000	---	36,800	---	41,700	30,600	---	---	28,900	19,600	30,400	19,600
27	36,100	---	35,700	24,000	40,400	33,100	---	---	29,600	19,400	32,600	21,000
28	36,500	---	34,900	---	40,000	31,400	---	---	30,400	18,000	30,800	19,500
29	36,700	---	34,300	23,400	40,800	31,500	---	---	30,900	17,500	30,600	19,800
30	36,400	---	31,200	23,400	41,800	32,200	---	21,600	29,300	17,600	28,600	18,200
31	---	---	30,700	---	---	---	30,300	20,200	29,500	17,700	---	---
Month	39,500	---	---	---	41,800	---	---	---	32,300	---	35,300	---

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

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

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	33,300	23,600	27,000	14,800	34,100	20,000	23,400	12,500	28,600	13,300	34,900	23,700
2	33,400	22,200	30,100	17,300	29,500	15,600	29,100	16,900	32,700	14,400	29,200	17,700
3	31,300	20,700	30,200	16,800	25,400	14,100	29,600	16,700	26,700	16,500	29,300	17,100
4	30,600	18,700	28,600	17,000	27,400	14,700	29,100	16,500	24,900	14,800	30,600	14,600
5	31,900	18,400	29,200	17,100	28,600	14,700	29,900	14,800	25,000	10,500	33,400	16,200
6	32,400	20,000	31,100	17,800	31,100	16,400	31,100	15,400	30,900	12,000	34,000	18,200
7	31,000	14,800	32,200	17,700	28,200	14,300	30,000	18,700	31,200	14,300	34,300	19,100
8	31,800	19,100	33,100	19,500	30,100	12,600	29,500	13,600	32,400	15,900	35,100	21,100
9	30,400	17,100	33,100	18,700	33,100	15,800	29,700	14,600	32,200	16,800	35,100	22,300
10	29,400	16,100	31,800	17,600	33,700	19,300	28,500	14,300	32,200	18,200	34,800	22,400
11	28,000	15,400	30,900	16,200	37,700	22,700	31,500	18,400	32,600	20,600	34,200	22,500
12	27,500	15,000	33,100	18,300	37,700	20,900	31,300	16,600	31,900	18,500	34,000	21,900
13	25,700	15,000	35,400	21,800	26,000	16,300	29,200	15,700	30,000	17,800	34,900	21,900
14	25,500	13,700	38,000	25,900	30,200	17,800	25,200	13,300	31,100	17,500	35,800	23,300
15	26,400	14,600	38,000	26,600	31,900	19,200	22,800	12,500	30,800	18,300	35,500	24,600
16	29,800	18,100	33,000	20,000	31,400	18,400	19,200	10,200	28,400	15,900	34,800	24,900
17	31,100	20,000	31,100	18,800	30,200	17,800	22,800	10,900	28,500	13,800	33,100	23,400
18	32,400	20,100	31,600	17,800	28,900	17,200	29,400	12,700	31,600	16,300	33,000	20,600
19	24,400	15,400	27,000	15,400	29,400	17,600	31,000	16,000	32,500	22,600	32,000	20,800
20	25,900	15,700	32,300	19,500	28,900	17,500	30,400	14,600	32,500	15,700	31,100	20,000
21	29,500	18,300	32,000	17,400	26,900	16,000	22,300	10,700	28,300	13,400	28,800	17,900
22	29,400	16,300	28,400	13,500	20,500	12,100	28,100	11,200	29,300	16,400	31,500	16,700
23	30,200	17,900	30,700	15,600	28,000	11,300	28,800	12,400	28,000	13,700	32,700	19,300
24	33,000	17,200	34,200	17,300	30,200	14,900	31,300	14,700	26,900	13,000	35,100	23,400
25	32,900	20,200	34,800	21,500	30,400	15,100	31,900	15,800	30,600	15,500	36,200	24,400
26	29,000	17,800	33,500	18,700	30,300	15,500	30,600	15,000	31,400	18,300	37,700	29,000
27	28,400	17,000	32,600	18,400	29,700	15,200	30,400	14,900	32,900	19,400	37,900	28,900
28	25,400	13,700	34,000	20,200	30,200	15,900	31,100	18,400	34,100	20,900	38,300	30,000
29	24,800	13,500	34,000	21,400	30,200	16,400	31,000	16,000	---	---	36,100	27,700
30	29,300	15,200	35,700	25,800	29,100	15,100	28,800	14,500	---	---	34,100	24,400
31	28,600	14,700	---	---	29,600	17,200	24,500	11,800	---	---	36,300	23,800
Month	33,400	13,500	38,000	13,500	37,700	11,300	31,900	10,200	34,100	10,500	38,300	14,600

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

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

Day	Max	Min	Max	Min								
	April		May		June		July		August		September	
1	35,700	26,000	36,000	26,900	31,100	21,800	38,400	27,900	29,800	18,000	30,000	18,800
2	38,400	25,300	34,700	26,800	31,500	21,200	37,800	25,900	30,200	19,700	29,500	18,700
3	36,600	29,800	36,000	27,000	30,700	20,100	37,000	24,800	30,500	20,100	29,600	19,900
4	33,100	25,000	35,700	26,100	32,200	22,500	36,200	23,700	30,900	20,900	30,200	20,100
5	35,300	23,500	36,000	27,700	35,000	24,000	37,000	26,700	30,500	21,700	29,900	20,600
6	37,400	29,100	36,000	26,900	31,000	19,000	38,500	28,400	31,000	22,300	30,000	20,600
7	35,900	26,000	36,000	26,300	31,000	19,200	38,000	29,100	31,000	22,100	28,900	20,000
8	32,500	23,100	36,700	26,800	31,200	20,400	36,600	25,800	30,900	22,300	29,200	20,600
9	35,200	24,100	37,000	27,200	31,100	20,400	---	---	29,700	21,800	29,800	20,700
10	37,400	26,400	36,500	27,100	30,400	21,300	---	---	29,500	21,600	30,500	21,000
11	36,600	26,200	37,100	26,900	30,500	21,000	---	---	29,800	22,200	30,900	20,700
12	36,000	25,800	36,200	26,100	30,300	21,400	---	---	31,100	22,600	33,400	23,100
13	37,900	25,000	37,800	25,100	30,000	21,500	---	---	30,900	22,200	35,700	25,100
14	40,100	27,200	37,800	27,000	30,100	20,200	---	---	30,900	21,000	33,000	22,400
15	33,500	25,600	37,300	26,800	30,600	21,200	---	---	31,400	20,900	33,300	24,000
16	31,400	23,900	38,300	26,400	31,800	22,100	---	---	33,500	24,100	33,900	25,400
17	29,600	21,200	36,000	25,900	33,800	21,400	---	---	32,600	21,100	33,200	24,200
18	31,800	19,500	34,200	21,000	34,700	22,800	---	---	32,800	21,400	31,600	21,800
19	35,400	22,400	24,800	15,700	35,800	25,500	---	---	33,000	23,200	31,800	23,000
20	35,500	25,900	26,900	13,900	36,500	26,200	---	---	33,400	24,000	31,300	23,100
21	36,000	25,000	33,700	19,400	38,000	27,900	---	---	32,600	24,000	31,900	23,900
22	33,100	23,100	35,800	17,800	39,600	28,600	---	---	31,000	23,800	30,600	22,200
23	32,400	21,800	35,900	19,600	42,100	28,800	---	---	30,000	21,400	30,900	22,600
24	34,100	23,500	35,600	21,100	40,900	29,400	---	---	30,100	21,500	30,900	22,100
25	34,200	23,300	36,200	20,600	41,400	30,500	---	---	29,500	20,900	31,300	22,200
26	35,200	23,100	36,700	22,200	42,100	31,500	---	---	29,700	20,300	30,700	20,100
27	36,300	24,400	35,500	24,100	40,800	34,200	---	---	30,400	20,800	33,000	22,300
28	36,500	24,000	34,900	23,500	40,300	32,700	---	---	31,300	19,700	31,200	20,700
29	36,800	25,400	34,200	24,000	41,300	32,800	---	---	31,700	18,700	31,100	20,700
30	36,600	25,400	31,100	24,300	42,400	33,100	---	21,600	30,100	18,100	29,100	20,100
31	---	---	30,600	21,800	---	---	30,500	19,500	30,200	18,200	---	---
Month	40,100	19,500	38,300	13,900	42,400	19,000	---	---	33,500	18,000	35,700	18,700

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	28.4	26.0	19.9	17.5	18.3	16.9	---	16.9	---	13.0	19.8	15.9
2	26.7	24.8	20.5	18.9	17.7	15.8	18.6	16.1	15.0	14.2	15.9	---
3	26.3	23.2	21.9	19.4	16.5	14.1	19.2	17.0	15.0	13.8	14.6	---
4	26.3	23.6	21.3	20.2	17.1	14.5	20.2	18.1	14.0	11.3	14.1	12.3
5	25.4	23.4	20.4	19.4	18.3	15.3	20.8	18.7	---	9.2	16.1	13.4
6	26.4	24.5	21.0	19.1	18.7	16.9	21.6	20.0	12.1	9.9	18.3	15.1
7	26.7	25.3	21.7	19.8	18.2	15.7	21.2	19.1	13.9	10.3	19.7	16.8
8	27.5	25.7	21.8	20.3	---	14.9	19.5	---	15.8	11.9	20.9	17.8
9	28.1	26.5	20.7	19.1	17.0	15.3	19.1	17.2	16.9	13.5	22.3	18.3
10	28.5	26.7	19.8	---	19.0	16.3	19.2	---	18.1	14.5	23.0	---
11	27.9	26.3	19.8	17.5	19.2	18.0	19.6	17.6	19.3	16.2	23.8	20.7
12	27.7	---	21.4	18.7	18.0	16.1	19.4	---	20.1	18.2	24.3	21.3
13	27.0	25.5	23.2	20.7	16.6	14.3	17.1	15.5	20.8	18.1	23.8	21.9
14	26.9	25.0	24.4	22.2	16.6	14.3	16.5	14.4	21.1	18.7	24.6	21.7
15	26.7	24.2	24.2	22.7	18.2	15.8	---	13.2	20.8	19.5	25.1	22.6
16	26.9	24.1	22.7	18.6	20.0	17.2	---	---	20.6	19.2	26.3	23.3
17	27.2	24.8	18.6	16.8	20.9	18.6	---	---	---	---	24.7	23.1
18	26.1	23.8	---	16.0	21.4	19.5	13.1	10.8	18.6	16.9	23.4	21.2
19	23.8	21.8	---	---	21.7	19.8	14.6	12.4	18.7	17.8	23.1	20.9
20	23.0	21.1	15.5	12.6	21.2	20.3	14.5	12.3	17.8	15.2	23.4	21.6
21	23.3	21.5	---	14.0	20.8	19.1	12.5	10.0	16.8	14.0	22.5	---
22	23.6	21.8	---	---	20.2	14.8	11.6	---	17.8	15.2	21.0	---
23	23.0	22.4	15.4	12.4	---	---	13.1	9.9	---	---	20.1	---
24	22.8	21.9	15.2	13.5	17.9	14.9	14.5	11.3	18.2	15.0	20.9	18.7
25	23.6	22.6	16.1	13.9	19.4	16.9	16.4	12.7	17.9	15.1	21.2	18.8
26	22.7	21.0	15.8	14.5	20.8	18.1	18.2	14.5	18.8	15.9	21.7	19.8
27	22.8	20.2	16.2	14.0	21.3	19.2	19.7	16.4	19.8	16.7	22.2	20.3
28	20.4	17.0	17.2	14.8	22.1	19.1	20.7	18.0	20.8	17.9	23.5	21.4
29	17.4	15.8	18.6	15.6	22.4	---	20.2	19.3	---	---	23.8	22.2
30	17.7	15.1	18.1	17.2	21.5	19.7	19.5	16.4	---	---	23.4	20.9
31	18.8	16.2	---	---	20.3	18.3	---	---	---	---	24.1	21.3
Month	28.5	---	---	---	---	---	---	---	---	---	26.3	---

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

TOP
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	24.9	23.4	26.5	23.7	29.9	27.5	28.7	27.2	32.5	30.3	30.3	28.4
2	25.5	23.8	27.1	24.7	---	28.3	29.4	26.7	32.6	30.5	29.0	27.4
3	25.3	24.0	27.7	25.4	30.0	28.4	30.8	27.9	32.5	30.9	28.3	27.1
4	24.7	22.5	27.8	25.7	29.2	27.8	32.1	29.6	32.5	30.7	29.4	26.9
5	25.6	---	28.5	26.1	28.4	27.2	32.0	30.0	31.6	30.2	30.5	27.6
6	25.2	22.2	28.7	26.9	27.3	26.2	31.0	29.0	32.4	29.8	31.0	28.0
7	22.2	17.2	29.1	26.8	28.6	26.1	29.2	28.5	32.0	29.8	31.2	28.1
8	19.0	---	29.1	26.9	29.8	27.1	28.6	27.2	32.5	29.7	31.3	28.7
9	20.8	16.9	29.4	26.9	30.4	27.9	---	---	32.8	30.2	30.4	28.6
10	22.1	19.1	29.9	27.1	31.1	28.6	---	---	33.0	30.6	29.9	28.3
11	23.4	21.3	29.9	27.4	31.6	29.1	---	---	33.3	30.8	29.4	28.1
12	25.2	22.4	29.8	27.5	31.7	29.3	---	---	33.4	31.3	28.9	27.9
13	24.8	23.1	29.1	26.5	31.4	29.0	---	---	32.0	30.7	29.3	27.6
14	24.3	21.2	29.3	26.8	31.5	29.2	---	---	30.7	28.0	29.4	28.3
15	22.6	20.0	29.0	26.8	32.2	29.6	---	---	30.1	27.8	29.3	28.3
16	23.3	20.2	29.2	26.8	32.9	30.4	---	---	29.3	27.6	30.2	27.9
17	22.6	20.8	29.2	27.2	33.0	30.5	---	---	29.0	27.4	30.2	28.1
18	22.4	20.0	28.6	24.4	32.2	30.7	---	---	29.4	27.8	30.1	27.5
19	22.8	20.9	---	---	32.4	30.0	---	---	30.0	27.7	30.3	28.1
20	22.9	21.8	---	---	33.1	31.1	---	---	31.0	28.4	30.4	28.2
21	23.4	21.4	23.2	20.5	32.9	31.0	---	---	32.0	29.5	31.0	28.7
22	---	21.5	23.5	22.3	32.5	30.6	---	---	30.5	28.4	31.2	28.8
23	---	22.4	24.3	22.6	32.1	30.3	---	---	29.3	27.7	30.9	29.2
24	26.1	23.3	25.6	23.0	32.4	30.1	---	---	30.2	27.5	30.4	29.2
25	26.4	24.2	27.0	23.6	31.9	29.9	---	---	31.3	28.6	30.9	29.2
26	25.4	23.3	27.7	25.6	32.1	29.8	---	---	29.7	28.5	31.0	29.5
27	25.2	23.0	28.7	25.4	30.7	29.2	---	---	28.7	27.8	30.9	29.8
28	25.4	22.7	28.7	26.9	30.4	28.4	---	---	28.8	27.8	30.5	29.0
29	25.7	23.0	29.6	27.1	30.4	28.8	---	---	30.1	28.2	30.2	28.3
30	25.7	23.0	29.4	27.3	29.8	28.7	32.5	---	31.2	28.8	28.3	25.8
31	---	---	29.1	26.8	---	---	32.3	29.7	31.2	29.4	---	---
Month	---	---	---	---	---	26.1	---	---	33.4	27.4	31.3	25.8

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

BOT
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	28.4	25.9	20.0	17.6	18.3	17.0	19.0	17.0	15.5	13.4	19.8	15.9
2	26.7	24.8	20.5	19.0	17.7	16.4	18.6	16.1	15.1	14.2	15.9	13.5
3	26.3	23.6	21.8	19.4	16.5	14.3	19.1	17.4	15.0	13.8	14.5	12.5
4	26.3	23.9	21.3	20.2	17.0	14.6	20.1	18.3	14.0	11.7	14.1	12.3
5	25.4	24.3	20.3	19.4	17.9	15.6	20.8	18.9	12.1	9.7	15.6	13.4
6	26.4	24.5	21.0	19.1	18.6	16.9	21.5	20.0	11.8	9.9	17.4	15.2
7	27.1	25.2	21.7	19.8	18.1	16.0	21.2	19.3	13.4	10.2	19.1	16.8
8	27.5	25.6	21.8	20.3	16.5	14.9	19.5	17.6	15.1	11.9	20.6	18.0
9	28.2	26.5	20.8	19.4	16.8	15.3	19.0	17.2	16.5	13.6	21.7	18.9
10	28.4	26.9	19.8	18.0	18.7	16.3	19.0	16.5	17.7	15.0	22.6	19.9
11	27.9	26.4	19.8	17.5	19.1	17.9	19.6	17.6	19.3	16.3	23.7	20.8
12	27.5	25.7	21.1	18.7	18.0	16.1	19.3	17.1	20.0	18.2	24.2	21.4
13	27.0	25.6	23.2	20.6	16.2	14.6	17.2	15.9	20.6	18.5	23.7	22.2
14	26.9	25.2	24.4	22.2	16.5	14.4	16.4	14.7	21.0	19.1	24.5	22.2
15	26.6	24.4	24.2	22.7	18.1	15.8	15.4	13.9	20.7	19.8	25.1	22.8
16	26.8	24.3	22.7	18.5	19.8	17.2	14.5	12.9	20.6	19.2	26.2	23.6
17	27.2	24.7	18.8	17.1	20.8	18.7	13.5	11.4	19.4	17.4	24.7	23.1
18	26.0	24.0	17.8	16.1	21.3	19.8	13.0	10.8	18.6	16.9	23.4	21.3
19	24.1	21.8	16.3	12.9	21.7	20.1	14.6	12.9	18.7	17.8	23.1	21.1
20	23.0	21.3	15.3	12.5	21.4	20.4	14.4	12.3	17.8	15.5	23.4	21.6
21	23.3	21.4	16.5	14.1	20.8	19.9	12.5	10.0	16.6	14.3	22.5	20.2
22	23.8	21.8	15.3	13.1	20.3	15.7	11.1	9.4	17.3	15.2	20.9	18.7
23	23.0	22.3	15.0	12.7	16.0	13.9	12.6	10.2	17.6	15.9	20.0	19.0
24	22.7	21.9	15.0	13.5	17.3	14.6	13.8	11.1	17.3	15.1	20.6	18.7
25	23.6	22.6	15.8	14.0	18.8	16.9	16.1	12.6	17.7	15.4	21.2	18.8
26	22.7	21.0	15.7	14.6	20.8	18.0	17.7	14.8	18.7	15.9	21.5	19.8
27	22.5	20.4	16.1	14.0	21.3	19.7	19.1	16.3	19.7	16.8	22.0	20.3
28	20.4	17.0	17.1	14.8	21.8	20.0	20.7	17.8	20.7	17.9	23.5	21.4
29	17.4	15.9	18.6	15.6	22.1	20.1	20.2	19.4	---	---	23.8	22.2
30	17.7	15.3	18.1	17.1	21.5	20.2	19.8	17.1	---	---	23.3	20.9
31	18.8	16.4	---	---	20.5	18.8	17.2	14.9	---	---	24.0	21.3
Month	28.4	15.3	24.4	12.5	22.1	13.9	21.5	9.4	21.0	9.7	26.2	12.3

02310674 CHASSAHOWITZKA RIVER AT MOUTH NEAR CHASSAHOWITZKA, FL.—Continued

BOT
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	24.8	23.3	26.5	23.7	30.2	27.6	28.6	27.2	32.5	30.3	30.4	29.0
2	25.5	23.7	27.1	24.7	31.1	28.3	29.4	26.7	32.7	30.5	29.0	27.8
3	25.2	24.0	27.6	25.6	30.0	28.4	30.7	27.9	32.5	30.8	28.3	27.2
4	25.0	22.6	27.8	25.7	29.2	27.7	32.0	29.3	32.5	30.5	29.3	27.0
5	25.6	23.0	28.6	26.0	28.4	27.3	31.9	30.1	31.7	30.5	30.4	27.6
6	25.2	22.1	28.5	26.8	27.3	26.2	31.0	29.0	32.1	29.8	31.0	28.1
7	22.1	17.1	28.9	26.8	28.6	26.2	29.2	28.5	32.0	30.1	31.2	28.2
8	18.6	15.9	28.9	27.0	29.4	27.1	28.6	27.2	32.5	29.7	31.4	28.7
9	20.7	16.9	29.2	27.0	30.3	27.9	---	---	32.8	30.2	30.5	28.6
10	22.0	19.1	29.5	27.1	31.0	28.8	---	---	33.0	30.6	30.0	28.3
11	23.2	21.3	29.7	27.3	31.5	29.2	---	---	33.4	31.0	29.6	28.2
12	25.0	22.5	29.8	27.5	31.6	29.4	---	---	33.4	31.4	28.9	28.1
13	24.7	23.1	29.0	26.5	31.3	29.0	---	---	32.1	30.8	29.3	27.6
14	24.3	21.2	29.3	26.8	31.5	29.1	---	---	30.8	28.4	29.4	28.3
15	22.6	20.0	29.0	26.8	32.1	29.6	---	---	30.3	27.8	29.4	28.3
16	23.3	20.3	29.1	26.8	32.9	30.3	---	---	29.3	27.7	30.0	28.1
17	22.6	21.0	29.2	27.2	33.0	30.4	---	---	29.1	27.5	30.1	28.3
18	22.4	20.1	28.6	24.5	32.2	30.7	---	---	29.2	27.8	30.0	27.7
19	22.6	20.9	24.5	20.5	32.4	30.0	---	---	29.8	27.7	30.4	28.1
20	22.9	21.7	21.3	20.0	33.0	31.0	---	---	30.8	28.5	30.4	28.2
21	23.4	21.4	23.2	20.5	32.9	31.0	---	---	32.0	29.5	31.1	28.7
22	24.2	21.4	23.5	22.3	32.4	30.6	---	---	30.7	28.6	31.2	28.8
23	25.3	22.5	24.0	22.7	32.0	30.3	---	---	29.4	28.0	31.0	29.2
24	26.1	23.3	25.2	23.1	32.3	30.1	---	---	30.3	27.6	30.4	29.3
25	26.1	24.4	26.9	23.8	31.7	29.9	---	---	31.3	28.6	30.9	29.3
26	25.3	23.4	27.7	25.6	32.0	29.8	---	---	29.9	28.6	31.0	29.7
27	25.0	23.1	28.5	25.3	30.7	29.1	---	---	28.7	28.1	30.9	29.9
28	25.0	22.7	28.6	26.9	30.4	28.3	---	---	28.8	27.8	30.6	29.0
29	25.7	23.0	29.6	27.0	30.4	28.8	---	---	30.4	28.3	30.2	28.4
30	25.6	22.9	29.4	27.2	29.7	28.6	32.9	---	31.2	28.8	28.4	25.8
31	---	---	29.1	26.8	---	---	32.3	29.8	31.2	29.5	---	---
Month	26.1	15.9	29.8	20.0	33.0	26.2	---	---	33.4	27.5	31.4	25.8