

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL

Southern Florida Basin
Big Cypress Swamp Subbasin

LOCATION.--Lat 25°54'31.7", long 81°30'39.3" referenced to North American Datum of 1983, Collier County, FL, Hydrologic Unit 03090204, located on the right bank, 0.5 mi from the mouth, 3.3 mi south of the Port of the Islands Marina.

DRAINAGE AREA.--Indeterminate

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: May 2006 to September 2008. May 2010 to current year.

GAGE HEIGHT: May 2006 to September 2008. May 2010 to current year.

GAGE.--Satellite data collection platform with water-stage vented pressure, acoustic stage sensor, and acoustic Doppler velocity meter. Datum of gage is arbitrary.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Streamflow at this site is significantly affected by astronomical tides. Daily mean discharge was computed from filtered unit value discharge data. The Godin low-pass filter was used to remove principal tidal frequencies from unit values. Positive discharge is generally to the southwest and negative discharge to the northeast. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>. Daily values of discharge and gage height are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge (unfiltered), 4,580 ft³/s Sept. 13 2006; maximum negative discharge (unfiltered), 7,130 ft³/s Aug. 19, 2008.

GAGE HEIGHT: Maximum gage height, 10.41 ft Aug. 19, 2008; minimum, 4.05 ft Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge (unfiltered), 4,410 ft³/s Aug. 29; maximum negative (unfiltered), 5,210 ft³/s Aug. 28.

GAGE HEIGHT: Maximum gage height, 9.64 ft Aug. 28; minimum, 4.54 ft Feb. 13.

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

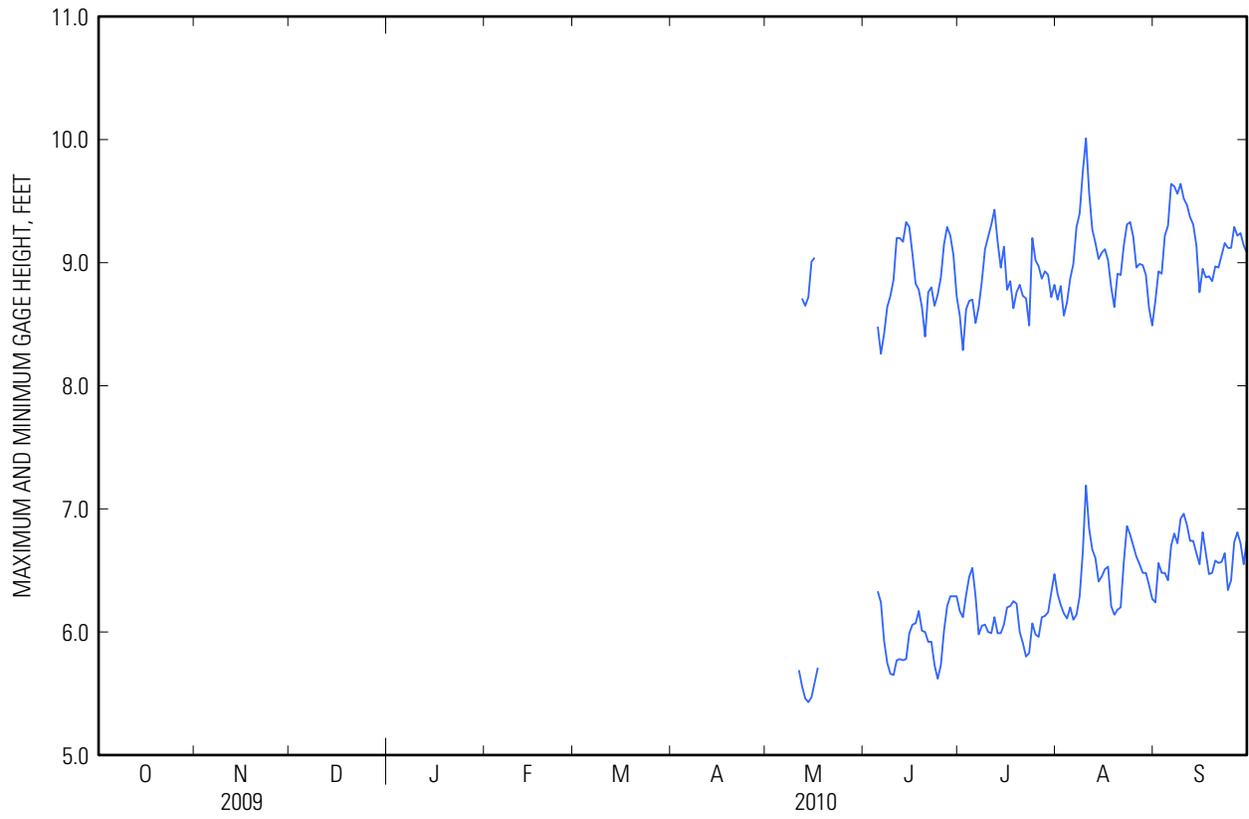
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
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18	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	8.57	6.17	8.70	6.31	8.69	6.24
2	---	---	---	---	---	---	8.29	6.12	8.81	6.22	8.93	6.56
3	---	---	---	---	---	---	8.62	6.30	8.57	6.15	8.91	6.48
4	---	---	---	---	---	---	8.69	6.45	8.68	6.11	9.22	6.48
5	---	---	---	---	8.48	6.33	8.70	6.52	8.87	6.20	9.30	6.42
6	---	---	---	---	8.26	6.24	8.51	6.29	8.99	6.10	9.64	6.70
7	---	---	---	---	8.42	5.93	8.64	5.98	9.29	6.14	9.62	6.80
8	---	---	---	---	8.64	5.75	8.85	6.05	9.40	6.29	9.56	6.72
9	---	---	---	---	8.73	5.66	9.11	6.06	9.74	6.65	9.64	6.92
10	---	---	---	---	8.86	5.65	9.21	6.00	10.01	7.19	9.52	6.96
11	---	---	---	5.69	9.20	5.77	9.31	5.99	9.57	6.84	9.47	6.87
12	---	---	8.71	5.56	9.20	5.78	9.43	6.12	9.27	6.67	9.37	6.74
13	---	---	8.65	5.46	9.17	5.77	9.17	5.99	9.16	6.60	9.31	6.74
14	---	---	8.72	5.43	9.33	5.78	8.96	5.99	9.03	6.41	9.14	6.64
15	---	---	9.01	5.47	9.29	5.99	9.13	6.06	9.08	6.45	8.76	6.55
16	---	---	9.04	5.59	9.07	6.06	8.78	6.20	9.11	6.51	8.95	6.81
17	---	---	---	5.71	8.83	6.07	8.85	6.21	9.02	6.53	8.88	6.64
18	---	---	---	---	8.78	6.17	8.63	6.25	8.80	6.21	8.89	6.47
19	---	---	---	---	8.64	6.01	8.76	6.23	8.64	6.14	8.85	6.48
20	---	---	---	---	8.40	6.00	8.82	6.00	8.91	6.18	8.97	6.58
21	---	---	---	---	8.76	5.92	8.73	5.91	8.90	6.20	8.96	6.56
22	---	---	---	---	8.80	5.92	8.71	5.80	9.14	6.57	9.06	6.57
23	---	---	---	---	8.65	5.73	8.49	5.83	9.31	6.86	9.16	6.64
24	---	---	---	---	8.74	5.62	9.20	6.07	9.33	6.79	9.12	6.34
25	---	---	---	---	8.88	5.73	9.02	5.98	9.21	6.70	9.12	6.42
26	---	---	---	---	9.15	6.01	8.97	5.96	8.96	6.61	9.29	6.73
27	---	---	---	---	9.29	6.21	8.87	6.12	8.99	6.55	9.22	6.81
28	---	---	---	---	9.22	6.29	8.93	6.13	8.98	6.48	9.24	6.72
29	---	---	---	---	9.06	6.29	8.90	6.16	8.90	6.48	9.14	6.55
30	---	---	---	---	8.73	6.29	8.72	6.32	8.63	6.38	9.08	6.75
31	---	---	---	---	---	---	8.82	6.47	8.49	6.27	---	---
Month	---	---	---	---	---	---	9.43	5.80	10.01	6.10	9.64	6.24

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

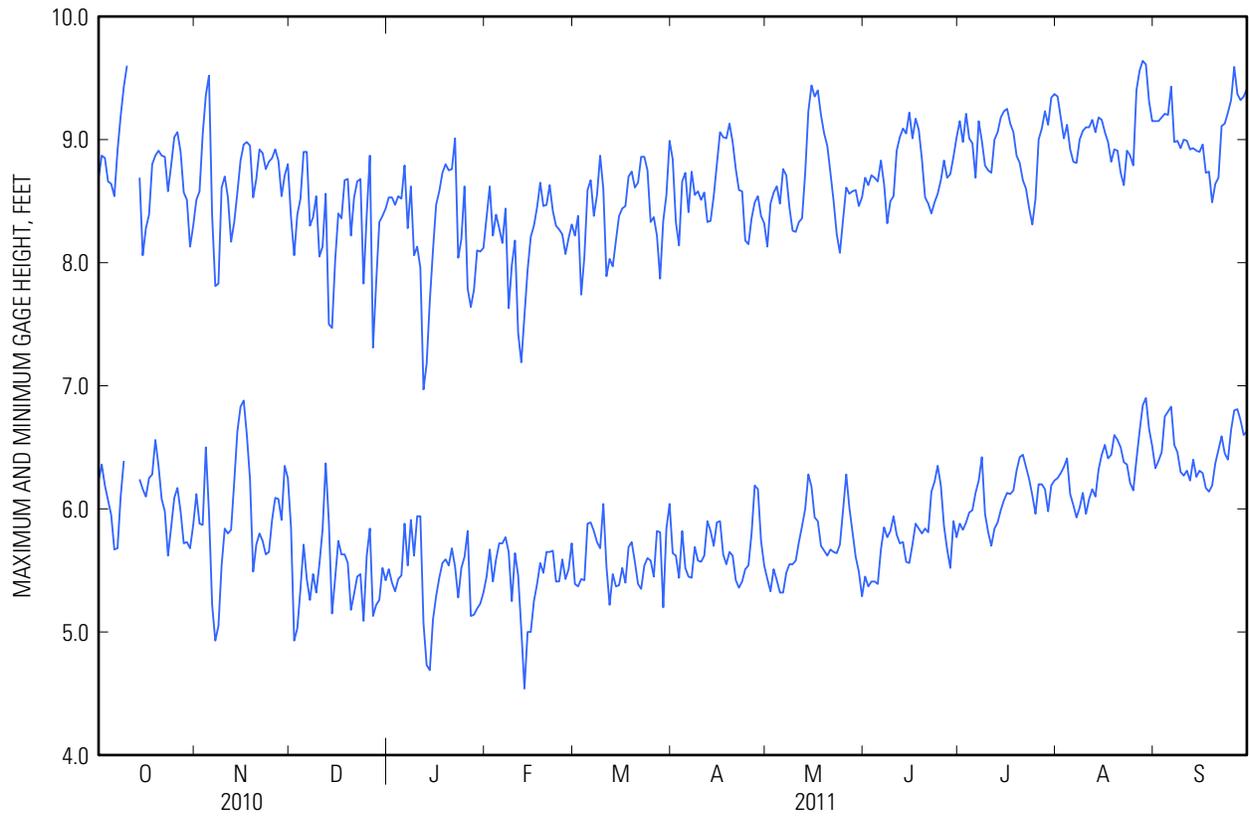
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	8.69	6.23	8.51	6.12	8.37	5.85	8.53	5.51	8.37	5.45	8.22	5.39
2	8.87	6.36	8.58	5.88	8.06	4.93	8.53	5.40	8.62	5.67	8.38	5.37
3	8.85	6.19	9.04	5.87	8.39	5.03	8.47	5.33	8.22	5.41	7.74	5.43
4	8.66	6.07	9.36	6.50	8.52	5.35	8.54	5.43	8.39	5.59	8.05	5.42
5	8.64	5.95	9.52	5.97	8.90	5.71	8.52	5.46	8.28	5.72	8.59	5.88
6	8.54	5.67	8.38	5.22	8.90	5.43	8.79	5.88	8.16	5.72	8.67	5.89
7	8.91	5.68	7.81	4.93	8.30	5.26	8.28	5.54	8.44	5.77	8.38	5.82
8	9.19	6.10	7.83	5.05	8.37	5.47	8.62	5.91	7.63	5.65	8.55	5.73
9	9.43	6.39	8.61	5.54	8.54	5.32	8.06	5.62	7.98	5.25	8.87	5.68
10	9.60	---	8.70	5.84	8.05	5.55	8.13	5.94	8.18	5.64	8.60	6.04
11	---	---	8.53	5.80	8.13	5.83	7.96	5.94	7.43	5.46	7.89	5.53
12	---	---	8.17	5.83	8.56	6.37	6.97	5.07	7.19	5.02	8.03	5.22
13	---	---	8.33	6.22	7.50	5.89	7.18	4.73	7.57	4.54	7.97	5.47
14	8.69	6.24	8.57	6.63	7.47	5.15	7.69	4.69	7.94	5.00	8.18	5.37
15	8.06	6.16	8.83	6.83	8.02	5.44	8.10	5.10	8.21	5.00	8.38	5.38
16	8.28	6.10	8.96	6.88	8.40	5.74	8.47	5.29	8.30	5.25	8.44	5.52
17	8.39	6.25	8.98	6.60	8.36	5.63	8.58	5.44	8.45	5.39	8.46	5.40
18	8.80	6.28	8.95	6.24	8.67	5.63	8.73	5.56	8.65	5.56	8.70	5.69
19	8.87	6.56	8.53	5.49	8.68	5.56	8.80	5.59	8.46	5.48	8.74	5.73
20	8.91	6.35	8.68	5.71	8.22	5.18	8.75	5.54	8.47	5.65	8.61	5.57
21	8.87	6.08	8.92	5.80	8.53	5.31	8.76	5.68	8.63	5.65	8.65	5.39
22	8.86	5.98	8.89	5.74	8.66	5.45	9.01	5.53	8.42	5.66	8.86	5.35
23	8.58	5.62	8.76	5.63	8.68	5.47	8.04	5.28	8.30	5.41	8.86	5.54
24	8.79	5.85	8.82	5.65	7.83	5.09	8.19	5.52	8.27	5.41	8.75	5.60
25	9.02	6.09	8.85	5.91	8.39	5.62	8.62	5.61	8.23	5.59	8.33	5.58
26	9.06	6.17	8.92	6.09	8.87	5.84	7.79	5.82	8.07	5.43	8.37	5.45
27	8.90	5.98	8.83	6.08	7.31	5.13	7.64	5.13	8.20	5.51	8.22	5.82
28	8.57	5.72	8.54	5.91	7.84	5.22	7.78	5.14	8.31	5.72	7.87	5.81
29	8.51	5.73	8.71	6.35	8.33	5.26	8.10	5.19	---	---	8.34	5.20
30	8.13	5.68	8.80	6.25	8.38	5.52	8.09	5.23	---	---	8.55	5.84
31	8.30	5.87	---	---	8.44	5.42	8.12	5.32	---	---	8.99	6.04
Month	---	---	9.52	4.93	8.90	4.93	9.01	4.69	8.65	4.54	8.99	5.20

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	8.84	5.64	8.13	5.43	8.69	5.45	9.15	5.88	9.35	6.25	9.15	6.33
2	8.33	5.62	8.48	5.33	8.63	5.37	8.98	5.83	9.18	6.29	9.15	6.39
3	8.14	5.44	8.57	5.51	8.71	5.41	9.21	5.89	9.01	6.34	9.18	6.46
4	8.66	5.82	8.62	5.42	8.69	5.41	9.01	5.97	9.12	6.41	9.21	6.75
5	8.73	5.52	8.48	5.32	8.66	5.39	8.97	5.99	8.92	6.12	9.20	6.79
6	8.41	5.45	8.76	5.32	8.83	5.67	8.69	6.13	8.82	6.03	9.43	6.83
7	8.74	5.44	8.71	5.48	8.64	5.85	9.15	6.23	8.81	5.93	8.98	6.52
8	8.55	5.69	8.45	5.55	8.32	5.77	8.99	6.42	9.00	6.01	8.99	6.46
9	8.58	5.58	8.26	5.55	8.50	5.82	8.79	5.96	9.07	6.13	8.93	6.30
10	8.51	5.57	8.25	5.58	8.54	5.94	8.75	5.81	9.10	5.96	9.00	6.27
11	8.57	5.62	8.33	5.73	8.91	5.79	8.73	5.70	9.10	6.08	8.99	6.31
12	8.33	5.90	8.36	5.86	9.02	5.72	9.00	5.84	9.16	6.16	8.92	6.23
13	8.34	5.82	8.73	6.00	9.09	5.73	9.06	5.89	9.06	6.10	8.93	6.40
14	8.54	5.70	9.23	6.28	9.05	5.57	9.18	5.99	9.18	6.32	8.91	6.26
15	8.80	5.89	9.44	6.18	9.22	5.56	9.23	6.07	9.16	6.44	8.90	6.31
16	9.06	5.90	9.35	5.93	9.01	5.71	9.25	6.13	9.06	6.52	8.96	6.29
17	9.02	5.63	9.40	5.90	9.17	5.88	9.13	6.12	8.98	6.41	8.73	6.17
18	9.01	5.55	9.20	5.70	9.08	5.84	9.06	6.15	8.82	6.44	8.74	6.14
19	9.13	5.65	9.05	5.66	8.84	5.80	8.87	6.31	8.92	6.60	8.49	6.19
20	8.98	5.62	8.95	5.62	8.53	5.84	8.81	6.42	8.91	6.56	8.64	6.37
21	8.76	5.42	8.73	5.67	8.48	5.81	8.67	6.44	8.73	6.50	8.69	6.48
22	8.59	5.36	8.50	5.65	8.40	6.14	8.60	6.34	8.63	6.38	9.11	6.59
23	8.58	5.41	8.23	5.64	8.49	6.22	8.44	6.24	8.91	6.36	9.13	6.45
24	8.18	5.51	8.08	5.71	8.56	6.35	8.31	6.11	8.87	6.21	9.22	6.40
25	8.15	5.54	8.35	5.99	8.67	6.19	8.52	5.96	8.79	6.15	9.32	6.64
26	8.36	5.80	8.61	6.28	8.83	5.86	9.00	6.20	9.40	6.40	9.59	6.80
27	8.49	6.19	8.56	6.01	8.69	5.67	9.09	6.20	9.56	6.63	9.37	6.81
28	8.54	6.16	8.58	5.81	8.72	5.52	9.23	6.16	9.64	6.84	9.32	6.72
29	8.38	5.74	8.59	5.61	8.86	5.90	9.12	5.98	9.61	6.90	9.35	6.60
30	8.32	5.54	8.46	5.49	9.02	5.77	9.34	6.19	9.31	6.65	9.41	6.63
31	---	---	8.53	5.29	---	---	9.37	6.23	9.15	6.51	---	---
Month	9.13	5.36	9.44	5.29	9.22	5.37	9.37	5.70	9.64	5.93	9.59	6.14

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	642	395	792
2	---	---	---	---	---	---	---	---	---	614	386	640
3	---	---	---	---	---	---	---	---	---	516	362	547
4	---	---	---	---	---	---	---	---	---	542	298	458
5	---	---	---	---	---	---	---	---	e26	683	307	501
6	---	---	---	---	---	---	---	---	95	702	319	448
7	---	---	---	---	---	---	---	---	74	628	299	526
8	---	---	---	---	---	---	---	---	59	614	367	652
9	---	---	---	---	---	---	---	---	48	571	239	726
10	---	---	---	---	---	---	---	---	-47	531	170	860
11	---	---	---	---	---	---	---	---	-57	475	655	1,030
12	---	---	---	---	---	---	---	e185	-8.2	448	955	1,030
13	---	---	---	---	---	---	---	109	-28	513	937	1,000
14	---	---	---	---	---	---	---	61	-78	556	950	1,060
15	---	---	---	---	---	---	---	-6.9	-20	544	833	919
16	---	---	---	---	---	---	---	e-40	72	503	788	760
17	---	---	---	---	---	---	---	---	108	458	859	789
18	---	---	---	---	---	---	---	---	173	378	988	808
19	---	---	---	---	---	---	---	---	265	362	915	682
20	---	---	---	---	---	---	---	---	340	403	751	578
21	---	---	---	---	---	---	---	---	393	356	777	574
22	---	---	---	---	---	---	---	---	431	322	785	512
23	---	---	---	---	---	---	---	---	399	244	915	525
24	---	---	---	---	---	---	---	---	310	146	1,090	561
25	---	---	---	---	---	---	---	---	221	358	1,090	507
26	---	---	---	---	---	---	---	---	125	424	1,080	432
27	---	---	---	---	---	---	---	---	219	435	1,030	494
28	---	---	---	---	---	---	---	---	329	402	967	665
29	---	---	---	---	---	---	---	---	407	360	1,020	707
30	---	---	---	---	---	---	---	---	539	390	1,090	717
31	---	---	---	---	---	---	---	---	---	438	1,010	---
Total	---	---	---	---	---	---	---	---	---	14,558	22,627	20,500
Mean	---	---	---	---	---	---	---	---	---	470	730	683
Max	---	---	---	---	---	---	---	---	---	702	1,090	1,060
Min	---	---	---	---	---	---	---	---	---	146	170	432

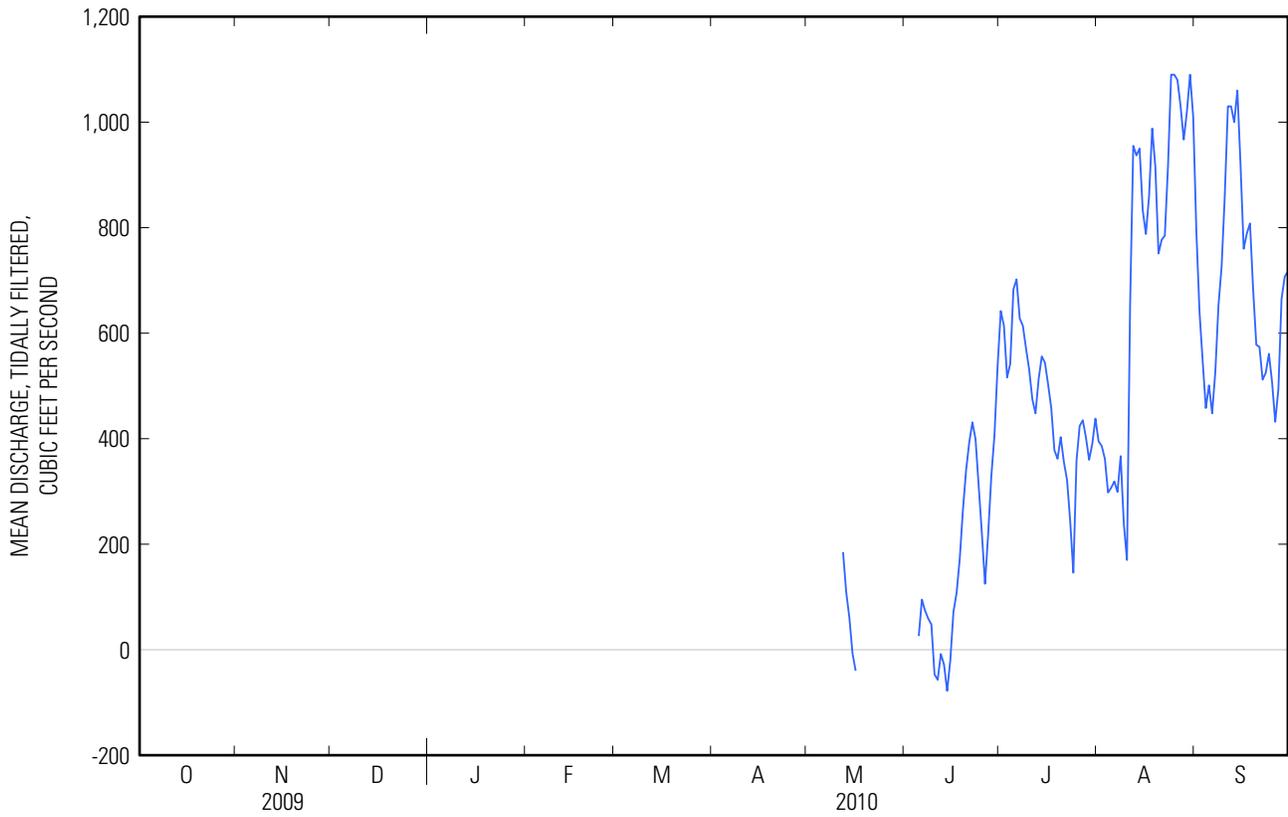
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	370	95.9	-31.6	-66.1	-6.10	-83.2	-42.4	-124	-11.4	498	609	864
Max	526	194	10.2	-53.8	61.2	-58.1	13.4	-120	-11.4	526	989	1,403
(WY)	(2007)	(2007)	(2007)	(2007)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	214	-1.71	-73.3	-78.4	-75.8	-108	-98.3	-128	-11.4	470	229	506
(WY)	(2008)	(2008)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2008)	(2010)	(2007)	(2007)

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

SUMMARY STATISTICS

Water Years 2006 - 2010		
Annual mean	238	
Highest annual mean	238	2008
Lowest annual mean	238	2008
Highest daily mean	2,530	Sep 11, 2006
Lowest daily mean	-555	Jun 2, 2007
Annual seven-day minimum	-219	May 27, 2007
10 percent exceeds	1,190	
50 percent exceeds	22	
90 percent exceeds	-143	



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	709	243	284	35	78	98	135	103	-3.8	201	359	874
2	530	235	148	75	151	129	105	30	22	263	408	796
3	534	5.9	43	71	151	37	33	-7.4	-7.6	289	402	751
4	572	-33	-33	32	114	-43	-113	33	-6.9	362	425	567
5	521	520	25	-49	100	-83	54	40	-39	322	464	376
6	419	480	197	-1.8	127	41	93	-36	-64	287	443	514
7	191	258	101	25	116	65	-24	9.6	8.5	219	375	854
8	e165	109	51	49	203	-22	24	58	32	548	359	799
9	e74	143	130	78	41	-64	15	39	-2.3	650	337	739
10	---	180	6.2	43	46	141	13	-0.59	-15	557	400	630
11	---	246	-31	125	200	158	-15	-3.4	-44	469	500	606
12	---	223	18	174	139	-2.6	35	-19	-43	383	579	583
13	---	130	208	48	-4.6	-9.9	47	-153	-17	393	616	597
14	e379	63	119	-23	-5.1	4.9	-8.1	-261	2.5	359	547	606
15	e243	-16	-23	-36	21	3.8	-62	-164	-17	322	506	555
16	286	-56	-17	-29	30	14	-44	-23	21	321	478	574
17	258	82	77	-8.2	16	3.6	47	1.9	-27	370	552	571
18	193	254	71	48	52	-13	35	119	42	402	558	538
19	153	170	172	82	81	-0.31	-0.08	116	80	408	541	505
20	202	38	105	55	21	46	74	94	84	417	642	466
21	259	105	36	-7.5	25	45	79	102	67	435	642	412
22	295	154	30	176	90	-31	44	99	84	540	565	295
23	233	133	121	155	64	-40	19	80	100	507	474	354
24	116	106	44	44	-1.3	27	35	33	87	428	566	403
25	97	52	-92	49	3.9	53	-23	-17	37	320	424	416
26	177	80	182	265	38	-23	-50	8.2	47	253	176	718
27	307	169	208	206	-17	-2.8	-12	37	90	335	187	1,190
28	280	146	29	87	-2.9	99	63	47	53	362	319	1,280
29	274	48	15	96	---	-33	101	73	64	368	752	1,240
30	245	69	54	133	---	-85	171	56	159	230	1,060	1,230
31	209	---	60	106	---	-91	---	36	---	261	966	---
Total	---	4,336.9	2,338.2	2,102.5	1,877.0	421.69	870.82	530.31	793.4	11,581	15,622	20,039
Mean	---	145	75.4	67.8	67.0	13.6	29.0	17.1	26.4	374	504	668
Max	---	520	284	265	203	158	171	119	159	650	1,060	1,280
Min	---	-56	-92	-49	-17	-91	-113	-261	-64	201	176	295

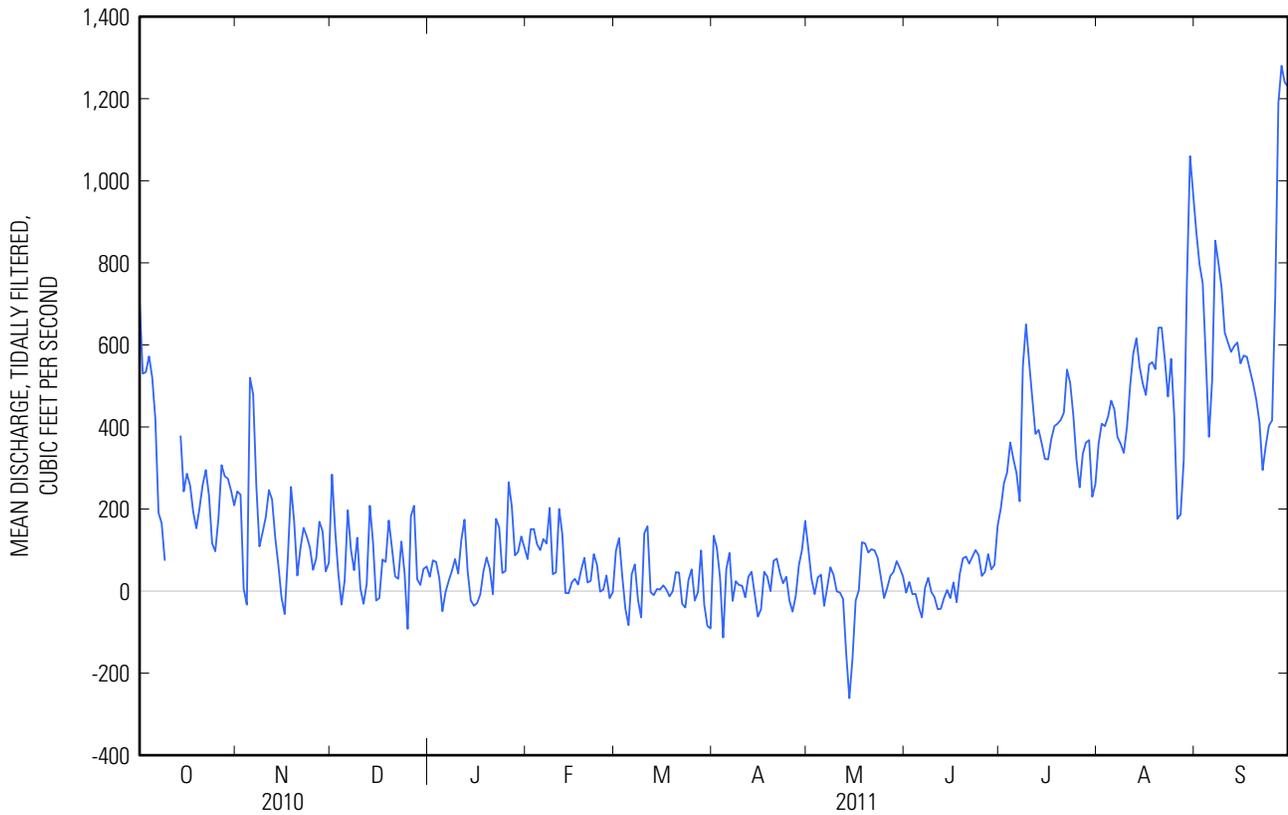
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	370	112	4.09	-21.4	18.0	-51.0	-18.6	-77.0	7.54	456	588	815
Max	526	194	75.4	67.8	67.0	13.6	29.0	17.1	26.4	526	989	1,403
(WY)	(2007)	(2007)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2008)	(2008)	(2008)
Min	214	-1.71	-73.3	-78.4	-75.8	-108	-98.3	-128	-11.4	374	229	506
(WY)	(2008)	(2008)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2008)	(2011)	(2007)	(2007)

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

SUMMARY STATISTICS

Water Years 2006 - 2011		
Annual mean	238	
Highest annual mean	238	2008
Lowest annual mean	238	2008
Highest daily mean	2,530	Sep 11, 2006
Lowest daily mean	-555	Jun 2, 2007
Annual seven-day minimum	-219	May 27, 2007
10 percent exceeds	1,190	
50 percent exceeds	22	
90 percent exceeds	-143	



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP): May 2006 to September 2008. May 2010 to September 2011. Discontinued.

SALINITY (BOTTOM): May 2006 to September 2008. May 2010 to current year.

WATER TEMPERATURE (TOP): May 2006 to September 2008. May 2010 to September 2011. Discontinued.

WATER TEMPERATURE (BOTTOM): May 2006 to September 2008. May 2010 to current year.

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

REMARKS.--Salinity and water temperature sensors located at surface (TOP) and an arbitrary 2.5 ft (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Salinity and water temperature 15 minute data are available in files of the U.S. Geological Survey. 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>.

SALINITY (TOP): Records rated excellent, except for Aug. 10, 11, Sept. 17-30, rated good.

SALINITY (BOTTOM): Records rated excellent, except for Oct. 9-13, Apr. 2 to May 10, July 8 to Aug. 11, Aug. 27 to Sept. 30, rated good.

WATER TEMPERATURE (TOP): Records rated excellent, except for Dec. 22 to Jan. 21, rated good

WATER TEMPERATURE (BOTTOM): Records rated excellent, except for Jan. 12-21, June 8-21, rated good.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 40.9 ppt May 27, 28, 2008; minimum recorded, 0.2 ppt on many days in Sept. 2006.

SALINITY (BOTTOM): Maximum recorded, 41.6 ppt June 12, 2008; minimum recorded, 0.2 ppt on many days in Sept. 2006.

WATER TEMPERATURE (TOP): Maximum recorded, 34.2 °C June 16, Aug. 1, 2010; minimum recorded, 11.6 °C Dec. 15, 2010.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.2 °C June 16, Aug. 1, 2010; minimum recorded, 11.5 °C Dec. 15, 2010.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 39.4 ppt June 20, 21; minimum recorded, 0.9 ppt Oct. 1.

SALINITY (BOTTOM): Maximum recorded, 40.0 ppt May 9; minimum recorded, 1.0 ppt Oct. 1.

WATER TEMPERATURE (TOP): Maximum recorded, 33.8 °C July 21, Aug. 17; minimum recorded, 11.6 °C Dec. 15.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7 °C July 21, Aug. 3, 5, 17; minimum recorded, 11.5 °C Dec. 15.

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

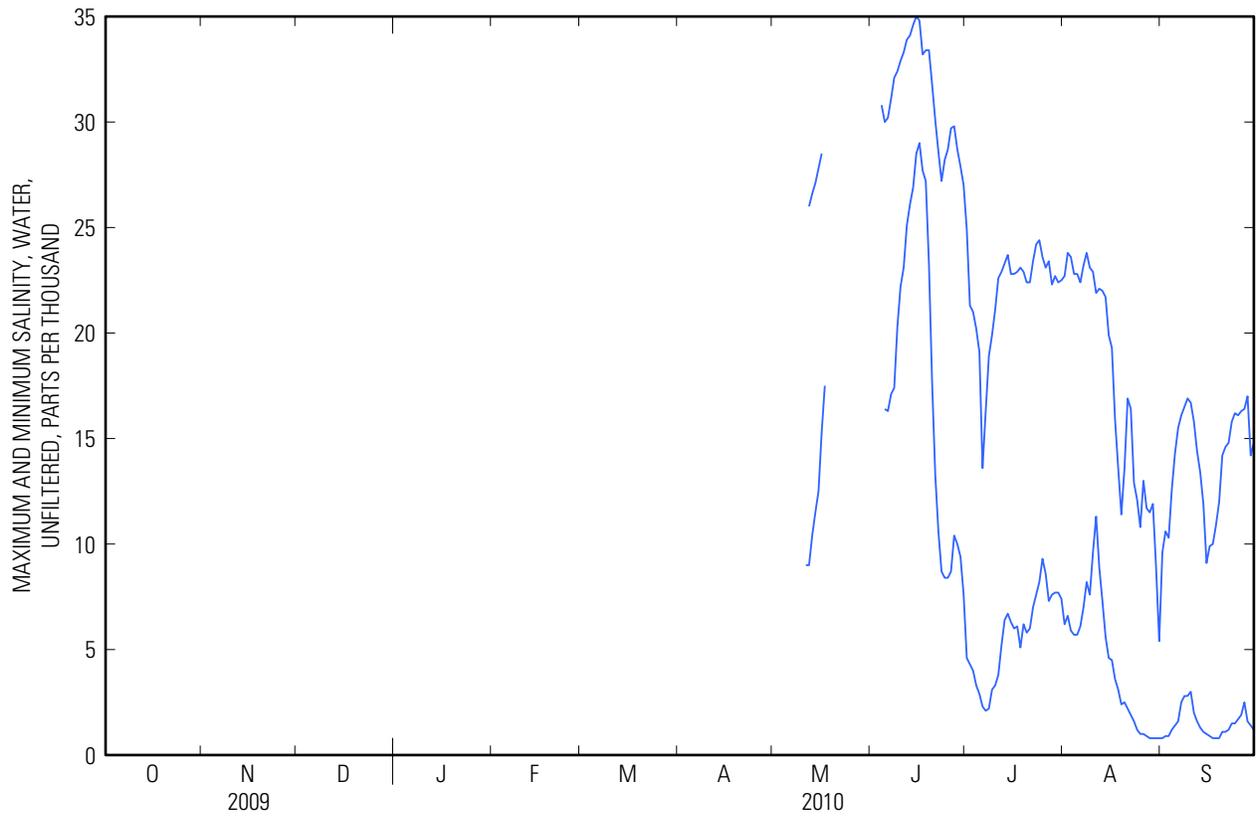
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	24.9	4.6	22.7	6.2	9.6	0.8
2	---	---	---	---	---	---	21.3	4.3	23.8	6.6	10.6	0.9
3	---	---	---	---	---	---	21.0	4.0	23.6	5.9	10.3	0.9
4	---	---	---	---	30.8	---	20.2	3.3	22.8	5.7	12.6	1.2
5	---	---	---	---	30.0	16.4	19.1	2.9	22.8	5.7	14.3	1.4
6	---	---	---	---	30.2	16.3	13.6	2.3	22.4	6.1	15.5	1.6
7	---	---	---	---	31.1	17.1	16.3	2.1	23.2	7.0	16.1	2.5
8	---	---	---	---	32.1	17.4	18.9	2.2	23.8	8.2	16.5	2.8
9	---	---	---	---	32.4	20.3	19.9	3.1	23.1	7.6	16.9	2.8
10	---	---	---	---	32.9	22.2	21.1	3.3	22.9	9.6	16.7	3.0
11	---	---	---	9.0	33.3	23.1	22.6	3.8	21.9	11.3	15.8	2.0
12	---	---	26.0	9.0	33.9	25.1	22.9	5.2	22.1	8.9	14.4	1.6
13	---	---	26.6	10.4	34.1	26.1	23.3	6.4	22.0	7.3	13.4	1.3
14	---	---	27.1	11.5	34.6	26.9	23.7	6.7	21.7	5.6	11.9	1.1
15	---	---	27.8	12.5	35.0	28.5	22.8	6.3	19.9	4.6	9.1	1.0
16	---	---	28.5	15.3	34.8	29.0	22.8	6.0	19.3	4.5	9.9	0.9
17	---	---	---	17.5	33.2	27.7	22.9	6.1	15.9	3.6	10.0	0.8
18	---	---	---	---	33.4	27.2	23.1	5.1	13.6	3.1	10.9	0.8
19	---	---	---	---	33.4	23.3	22.9	6.2	11.4	2.4	12.0	0.8
20	---	---	---	---	31.8	17.7	22.4	5.8	13.6	2.5	14.2	1.1
21	---	---	---	---	30.1	13.3	22.4	6.0	16.9	2.2	14.6	1.1
22	---	---	---	---	28.6	10.6	23.4	7.0	16.4	1.9	14.8	1.2
23	---	---	---	---	27.2	8.7	24.2	7.6	12.9	1.6	15.8	1.5
24	---	---	---	---	28.2	8.4	24.4	8.2	12.1	1.2	16.2	1.5
25	---	---	---	---	28.7	8.4	23.6	9.3	10.8	1.0	16.1	1.7
26	---	---	---	---	29.7	8.7	23.1	8.6	13.0	1.0	16.3	1.9
27	---	---	---	---	29.8	10.4	23.4	7.3	11.7	0.9	16.4	2.5
28	---	---	---	---	28.7	10.0	22.3	7.6	11.5	0.8	17.0	1.6
29	---	---	---	---	27.9	9.4	22.7	7.7	11.9	0.8	14.2	1.4
30	---	---	---	---	27.0	7.6	22.4	7.7	8.9	0.8	14.8	1.2
31	---	---	---	---	---	---	22.5	7.4	5.4	0.8	---	---
Month	---	---	---	---	---	---	24.9	2.1	23.8	0.8	17.0	0.8

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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

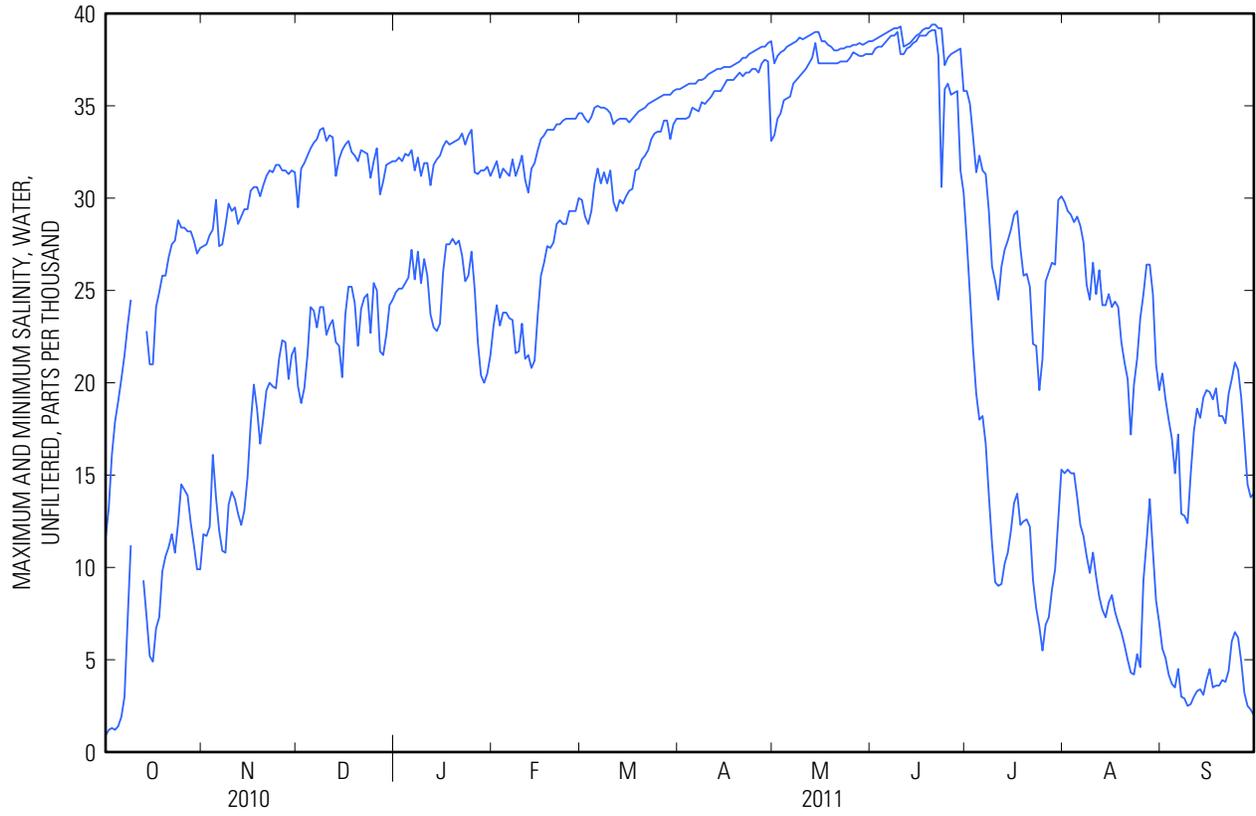
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	11.6	0.9	27.4	11.8	29.5	19.8	32.0	24.9	31.6	23.1	34.6	29.9
2	13.2	1.2	27.5	11.7	31.6	18.9	32.2	25.1	32.0	24.2	34.3	29.0
3	16.1	1.3	28.0	12.2	31.9	19.7	32.0	25.1	31.1	23.1	34.1	28.6
4	17.9	1.2	28.3	16.1	32.3	21.5	32.4	25.4	31.6	23.8	34.4	29.3
5	19.0	1.4	29.9	13.8	32.7	24.1	32.3	25.7	31.4	23.8	34.9	30.8
6	20.2	1.9	27.4	12.0	33.0	23.9	32.6	27.2	31.2	23.5	35.0	31.6
7	21.5	3.0	27.5	10.9	33.2	23.0	31.5	25.6	32.1	23.4	34.9	30.8
8	23.1	7.2	28.5	10.8	33.7	24.1	32.2	27.1	31.2	21.6	34.9	31.4
9	24.5	11.2	29.7	13.4	33.8	24.1	31.2	25.4	31.7	21.7	34.8	30.8
10	---	---	29.3	14.1	33.1	22.6	31.9	26.7	32.3	23.2	34.6	31.5
11	---	---	29.5	13.7	33.4	23.1	31.9	25.8	31.0	21.3	34.0	29.8
12	---	---	28.6	12.9	33.3	23.4	30.7	23.7	30.3	21.5	34.2	29.3
13	---	9.3	29.0	12.3	31.2	22.2	31.8	23.0	31.6	20.8	34.3	29.9
14	22.8	7.3	29.4	13.1	32.1	22.0	32.1	22.8	31.9	21.2	34.3	29.7
15	21.0	5.2	29.4	14.9	32.6	20.3	32.3	23.2	32.6	23.7	34.3	30.1
16	21.0	4.9	30.4	17.8	32.9	23.7	32.8	26.0	33.2	25.8	34.1	30.4
17	24.1	6.7	30.6	19.9	33.1	25.2	33.1	27.5	33.4	26.5	34.3	30.5
18	24.9	7.3	30.6	18.6	32.5	25.2	32.9	27.5	33.7	27.4	34.5	31.5
19	25.8	9.8	30.1	16.7	32.3	24.3	33.0	27.8	33.7	27.3	34.7	31.6
20	25.8	10.6	30.7	18.1	32.0	22.0	33.1	27.5	33.7	27.6	34.8	32.1
21	26.8	11.1	31.2	19.6	32.6	24.0	33.2	27.7	34.0	28.6	34.9	32.3
22	27.5	11.8	31.5	20.0	32.5	24.6	33.5	26.9	34.0	28.8	35.1	32.6
23	27.7	10.8	31.4	19.8	32.4	24.8	32.9	25.5	34.2	28.6	35.2	33.2
24	28.8	12.4	31.8	19.7	31.1	22.7	33.4	25.8	34.3	28.6	35.3	33.5
25	28.4	14.5	31.8	21.3	32.0	25.4	33.7	27.1	34.3	29.3	35.4	33.6
26	28.4	14.2	31.5	22.3	32.7	25.0	31.4	25.1	34.3	29.3	35.5	33.6
27	28.2	13.9	31.5	22.2	30.2	21.7	31.3	22.2	34.3	29.3	35.6	34.2
28	28.2	12.4	31.3	20.2	30.9	21.5	31.5	20.4	34.6	30.0	35.6	34.2
29	27.7	11.2	31.5	21.5	31.8	22.6	31.5	20.0	---	---	35.6	33.2
30	27.0	9.9	31.4	21.9	31.9	24.2	31.7	20.5	---	---	35.8	34.0
31	27.3	9.9	---	---	32.0	24.5	31.2	21.5	---	---	35.9	34.3
Month	---	---	31.8	10.8	33.8	18.9	33.7	20.0	34.6	20.8	35.9	28.6

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	35.9	34.3	37.3	33.4	38.5	37.8	35.8	27.7	29.8	15.1	20.5	5.6
2	36.0	34.3	37.7	34.3	38.6	38.1	35.1	24.8	29.3	15.3	19.1	5.1
3	36.1	34.3	37.9	34.6	38.7	38.2	33.3	21.8	29.1	15.1	18.0	4.2
4	36.2	34.4	38.0	35.3	38.8	38.2	31.4	19.4	28.7	15.1	17.0	3.7
5	36.2	34.9	38.2	35.4	38.9	38.4	32.3	18.0	29.0	13.8	15.1	3.5
6	36.2	34.8	38.3	35.5	39.0	38.6	31.5	18.2	28.5	12.3	17.2	4.5
7	36.4	34.7	38.4	36.2	39.1	38.8	31.3	16.7	27.6	11.7	12.9	3.0
8	36.4	35.2	38.5	36.4	39.2	38.8	29.3	13.9	25.3	10.6	12.8	2.9
9	36.5	35.1	38.7	36.6	39.2	39.0	26.3	11.3	24.5	9.7	12.4	2.5
10	36.7	35.3	38.6	36.8	39.3	37.8	25.5	9.2	26.5	10.8	15.1	2.6
11	36.8	35.5	38.7	37.0	38.2	37.8	24.5	9.0	24.8	9.5	17.4	3.0
12	36.9	35.8	38.8	37.3	38.3	38.1	26.3	9.1	26.1	8.4	18.6	3.3
13	37.0	35.8	38.9	37.6	38.4	38.2	27.2	10.2	24.2	7.7	18.1	3.4
14	37.0	35.8	39.0	38.4	38.6	38.4	27.7	10.8	24.2	7.3	19.2	3.1
15	37.1	36.1	39.0	37.3	38.8	38.5	28.3	12.0	24.8	8.1	19.6	3.9
16	37.1	36.4	38.5	37.3	38.9	38.8	29.1	13.5	24.1	8.5	19.5	4.5
17	37.1	36.4	38.5	37.3	39.1	38.8	29.3	14.0	24.4	7.6	19.1	3.5
18	37.2	36.4	38.3	37.3	39.2	38.8	27.3	12.3	24.1	7.0	19.7	3.6
19	37.3	36.6	38.2	37.3	39.2	39.0	25.8	12.5	22.2	6.5	18.2	3.6
20	37.4	36.8	38.0	37.3	39.4	39.1	25.9	12.6	21.1	5.8	18.2	3.9
21	37.6	36.6	38.0	37.3	39.4	39.1	25.2	12.2	20.2	5.0	17.8	3.8
22	37.6	36.8	38.1	37.4	39.2	37.7	22.1	9.3	17.2	4.3	19.4	4.4
23	37.8	36.8	38.1	37.4	39.2	30.6	22.0	7.8	19.9	4.2	20.2	6.0
24	37.9	37.0	38.2	37.4	37.2	35.9	19.6	6.8	21.3	5.3	21.1	6.5
25	38.0	37.0	38.2	37.6	37.6	36.2	21.3	5.5	23.5	4.6	20.7	6.2
26	38.1	36.8	38.3	37.9	37.8	35.6	25.5	6.9	24.8	9.3	19.2	4.9
27	38.2	37.3	38.3	37.8	37.9	35.7	26.0	7.3	26.4	11.4	16.9	3.2
28	38.2	37.5	38.4	37.7	38.0	35.8	26.5	8.8	26.4	13.7	14.5	2.5
29	38.4	37.4	38.3	37.7	38.1	31.5	26.4	9.9	24.8	10.9	13.8	2.3
30	38.5	33.1	38.4	37.8	35.8	30.3	29.9	12.6	21.0	8.2	14.0	2.0
31	---	---	38.5	37.8	---	---	30.1	15.3	19.6	7.0	---	---
Month	38.5	33.1	39.0	33.4	39.4	30.3	35.8	5.5	29.8	4.2	21.1	2.0

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

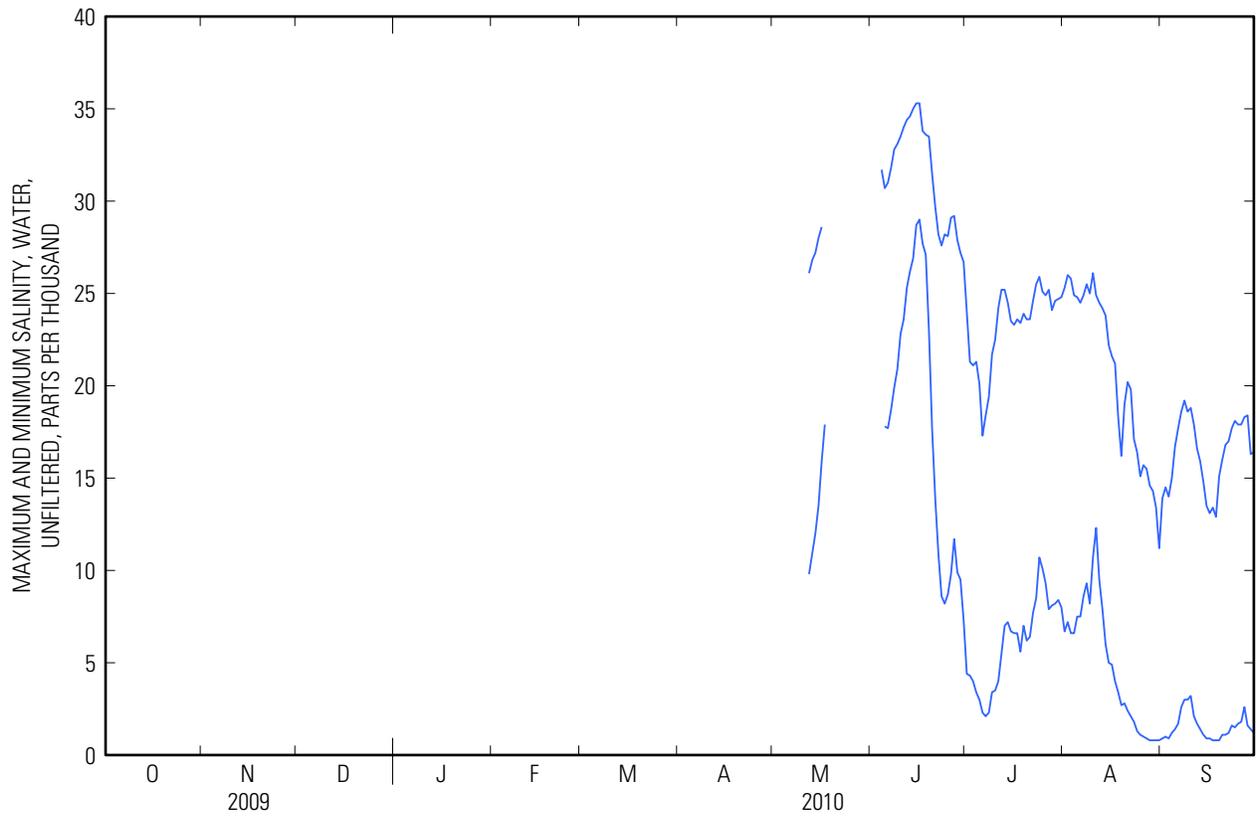
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	24.0	4.4	25.3	6.7	13.9	0.9
2	---	---	---	---	---	---	21.3	4.3	26.0	7.2	14.5	1.0
3	---	---	---	---	---	---	21.1	4.0	25.8	6.6	14.0	0.9
4	---	---	---	---	31.7	---	21.3	3.4	24.9	6.6	15.0	1.2
5	---	---	---	---	30.7	17.8	20.1	3.0	24.8	7.5	16.7	1.4
6	---	---	---	---	31.0	17.7	17.3	2.3	24.5	7.5	17.7	1.7
7	---	---	---	---	31.8	18.7	18.4	2.1	24.9	8.6	18.6	2.6
8	---	---	---	---	32.8	19.9	19.4	2.3	25.5	9.3	19.2	3.0
9	---	---	---	---	33.1	20.9	21.7	3.4	25.0	8.2	18.6	3.0
10	---	---	---	---	33.5	22.8	22.5	3.5	26.1	10.7	18.8	3.2
11	---	---	---	---	34.0	23.6	24.2	4.0	24.9	12.3	17.9	2.1
12	---	---	26.1	9.8	34.4	25.3	25.2	5.5	24.5	9.5	16.6	1.7
13	---	---	26.8	10.9	34.6	26.2	25.2	7.0	24.2	7.9	15.9	1.4
14	---	---	27.2	12.0	35.0	26.9	24.5	7.2	23.8	6.0	14.8	1.1
15	---	---	28.0	13.5	35.3	28.7	23.5	6.7	22.2	5.0	13.5	0.9
16	---	---	28.6	15.9	35.3	29.0	23.3	6.6	21.6	4.9	13.1	0.9
17	---	---	---	17.9	33.8	27.7	23.6	6.6	21.2	4.0	13.4	0.8
18	---	---	---	---	33.6	27.1	23.4	5.6	18.3	3.4	12.9	0.8
19	---	---	---	---	33.5	23.0	23.9	7.0	16.2	2.7	15.1	0.8
20	---	---	---	---	31.5	17.7	23.6	6.2	19.0	2.8	16.0	1.1
21	---	---	---	---	29.7	13.9	23.6	6.4	20.2	2.4	16.8	1.1
22	---	---	---	---	28.2	10.9	24.6	7.7	19.8	2.1	17.0	1.2
23	---	---	---	---	27.6	8.6	25.5	8.5	17.1	1.8	17.7	1.6
24	---	---	---	---	28.2	8.2	25.9	10.7	16.4	1.3	18.1	1.5
25	---	---	---	---	28.1	8.7	25.1	10.1	15.1	1.1	17.9	1.7
26	---	---	---	---	29.1	9.8	24.9	9.3	15.7	1.0	17.9	1.8
27	---	---	---	---	29.2	11.7	25.2	7.9	15.5	0.9	18.3	2.6
28	---	---	---	---	27.9	9.9	24.1	8.1	14.6	0.8	18.4	1.6
29	---	---	---	---	27.2	9.5	24.6	8.2	14.3	0.8	16.3	1.4
30	---	---	---	---	26.7	7.3	24.7	8.4	13.4	0.8	16.4	1.2
31	---	---	---	---	---	---	24.8	8.0	11.2	0.8	---	---
Month	---	---	---	---	---	---	25.9	2.1	26.1	0.8	19.2	0.8

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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

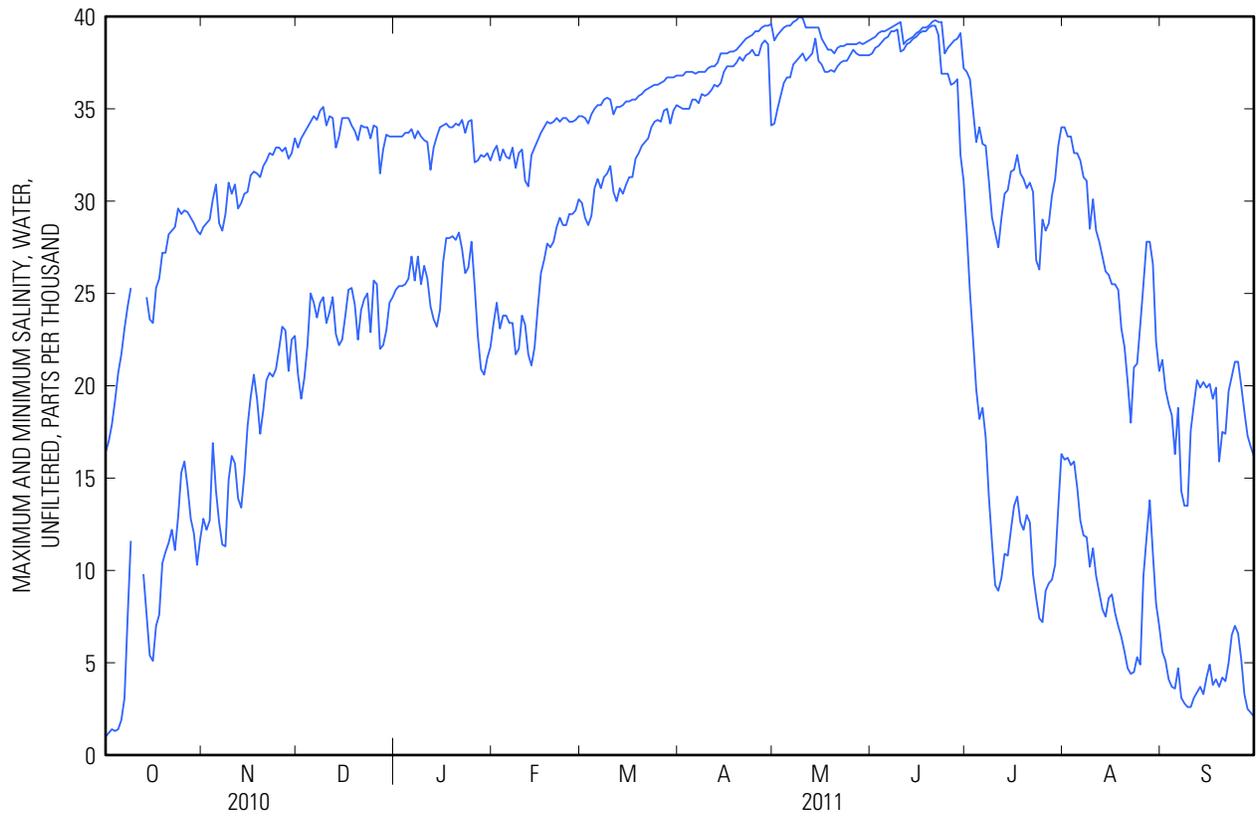
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	16.4	1.0	28.6	12.8	32.9	20.6	33.5	25.2	32.7	23.4	34.6	29.9
2	17.0	1.2	28.8	12.2	33.4	19.3	33.5	25.4	33.0	24.5	34.5	29.1
3	17.9	1.4	29.0	12.7	33.7	20.4	33.5	25.4	32.2	23.1	34.2	28.7
4	19.2	1.3	30.1	16.9	34.0	22.2	33.7	25.5	32.8	23.8	34.7	29.2
5	20.7	1.4	30.9	14.3	34.3	25.0	33.7	25.8	32.4	23.8	35.0	30.7
6	21.7	1.9	28.8	12.6	34.6	24.5	33.9	27.0	32.3	23.4	35.2	31.2
7	23.1	3.1	28.4	11.4	34.4	23.7	33.4	25.7	32.9	23.4	35.2	30.7
8	24.3	7.5	29.3	11.3	34.9	24.5	33.8	27.0	31.8	21.7	35.5	31.3
9	25.3	11.6	31.0	14.9	35.1	24.8	33.5	25.5	32.6	22.0	35.6	31.5
10	---	---	30.4	16.2	34.1	23.4	33.3	26.5	32.8	23.8	35.5	31.9
11	---	---	30.9	15.8	34.6	24.0	33.2	25.8	31.1	23.3	34.7	30.5
12	---	---	29.6	13.9	34.5	24.8	31.7	24.3	30.8	21.7	35.1	30.0
13	---	9.8	29.9	13.4	32.9	22.8	32.9	23.6	32.5	21.1	35.1	30.7
14	24.8	7.6	30.4	15.2	33.5	22.2	33.5	23.2	32.9	22.1	35.2	30.4
15	23.6	5.4	30.5	17.8	34.5	22.5	34.0	24.1	33.3	24.2	35.4	30.9
16	23.4	5.1	31.4	19.4	34.5	23.8	34.1	26.7	33.7	26.1	35.4	31.3
17	25.3	7.0	31.6	20.6	34.5	25.2	34.2	28.0	34.0	26.8	35.5	31.3
18	25.8	7.6	31.5	19.3	34.1	25.3	34.0	28.0	34.3	27.7	35.5	32.3
19	27.2	10.4	31.3	17.4	33.8	24.4	34.0	28.1	34.2	27.5	35.7	32.6
20	27.2	11.0	31.9	18.7	33.3	22.5	34.2	27.9	34.3	27.8	35.8	33.0
21	28.2	11.5	32.2	20.3	34.1	24.1	34.1	28.3	34.5	28.6	36.0	33.2
22	28.4	12.2	32.6	20.7	34.0	24.7	34.4	27.4	34.3	29.1	36.1	33.4
23	28.6	11.1	32.5	20.5	34.0	25.0	33.7	26.1	34.5	28.7	36.2	34.0
24	29.6	12.9	32.9	20.9	33.4	22.9	34.3	26.4	34.5	28.7	36.3	34.3
25	29.3	15.3	32.9	22.0	34.1	25.7	34.4	27.8	34.3	29.3	36.3	34.4
26	29.5	15.9	32.7	23.2	34.0	25.5	32.1	25.4	34.3	29.3	36.4	34.3
27	29.4	14.5	32.9	23.0	31.5	22.0	32.2	22.7	34.4	29.5	36.5	34.9
28	29.1	12.8	32.3	20.8	32.8	22.2	32.5	20.9	34.6	30.1	36.7	35.0
29	28.8	12.0	32.6	22.5	33.6	23.0	32.4	20.6	---	---	36.7	34.2
30	28.4	10.3	33.4	22.7	33.5	24.5	32.6	21.5	---	---	36.7	34.9
31	28.2	11.7	---	---	33.5	24.8	32.2	22.1	---	---	36.8	35.2
Month	---	---	33.4	11.3	35.1	19.3	34.4	20.6	34.6	21.1	36.8	28.7

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	36.8	35.1	38.7	34.2	38.8	38.0	37.0	28.3	34.0	16.0	21.4	5.6
2	36.8	35.0	39.0	35.0	38.9	38.3	36.6	25.1	33.5	16.1	19.8	5.1
3	37.0	35.0	39.2	35.7	39.1	38.4	34.9	22.5	33.5	15.7	19.0	4.1
4	37.0	35.0	39.4	36.4	39.2	38.6	33.2	19.8	32.6	15.9	18.4	3.7
5	37.0	35.5	39.5	36.7	39.2	38.8	34.0	18.2	32.6	14.5	16.3	3.6
6	36.9	35.5	39.5	36.7	39.3	38.9	33.1	18.8	32.2	12.7	18.8	4.7
7	37.0	35.3	39.7	37.4	39.4	39.2	33.0	17.2	31.3	11.9	14.3	3.1
8	37.0	35.8	39.8	37.6	39.5	39.2	31.1	14.0	31.1	11.8	13.5	2.8
9	37.0	35.7	40.0	37.8	39.6	39.3	29.1	11.5	28.5	10.2	13.5	2.6
10	37.2	35.8	39.9	38.0	39.7	38.1	28.3	9.2	30.1	11.2	17.6	2.6
11	37.3	36.0	39.4	37.6	38.5	38.2	27.5	8.9	28.4	9.7	19.0	3.1
12	37.3	36.3	39.4	37.8	38.7	38.5	29.1	9.6	27.8	8.8	20.3	3.4
13	37.5	36.2	39.4	38.0	38.8	38.6	30.4	10.9	27.0	7.9	19.9	3.7
14	38.0	36.4	39.4	38.8	38.9	38.8	30.6	10.8	26.2	7.5	20.2	3.3
15	38.0	37.0	39.4	37.6	39.1	38.9	31.6	12.2	26.0	8.5	19.9	4.2
16	38.0	37.3	38.8	37.4	39.2	39.1	31.7	13.5	25.5	8.7	20.1	4.9
17	38.1	37.3	38.5	37.0	39.4	39.2	32.5	14.0	25.5	7.7	19.3	3.8
18	38.1	37.3	38.2	37.0	39.4	39.2	31.5	12.6	25.2	7.0	19.9	4.1
19	38.2	37.5	38.2	37.1	39.5	39.4	31.2	12.2	23.1	6.4	15.9	3.7
20	38.4	37.8	38.0	37.0	39.7	39.5	30.7	13.0	22.1	5.6	17.5	4.2
21	38.6	37.6	38.3	37.3	39.8	39.5	31.0	12.6	20.2	4.7	17.4	4.0
22	38.8	37.9	38.4	37.5	39.7	39.0	30.5	9.8	18.0	4.4	19.7	5.0
23	38.9	38.0	38.4	37.6	39.7	36.9	26.8	8.5	21.0	4.5	20.5	6.5
24	39.0	38.2	38.5	37.6	38.0	36.9	26.3	7.4	21.2	5.3	21.3	7.0
25	39.2	37.9	38.5	37.9	38.3	36.9	29.0	7.2	23.3	4.9	21.3	6.6
26	39.2	37.9	38.5	38.2	38.5	36.3	28.4	8.9	25.5	9.7	20.0	5.2
27	39.4	38.5	38.5	38.0	38.7	36.4	28.8	9.3	27.8	11.8	18.6	3.3
28	39.5	38.7	38.6	37.9	38.8	36.6	30.3	9.5	27.8	13.8	17.3	2.5
29	39.5	38.5	38.5	37.9	39.1	32.5	31.2	10.3	26.6	10.9	16.7	2.3
30	39.6	34.1	38.6	37.9	37.2	31.1	33.0	13.4	22.4	8.2	16.2	2.1
31	---	---	38.7	37.9	---	---	34.0	16.3	20.8	7.0	---	---
Month	39.6	34.1	40.0	34.2	39.8	31.1	37.0	7.2	34.0	4.4	21.4	2.1

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

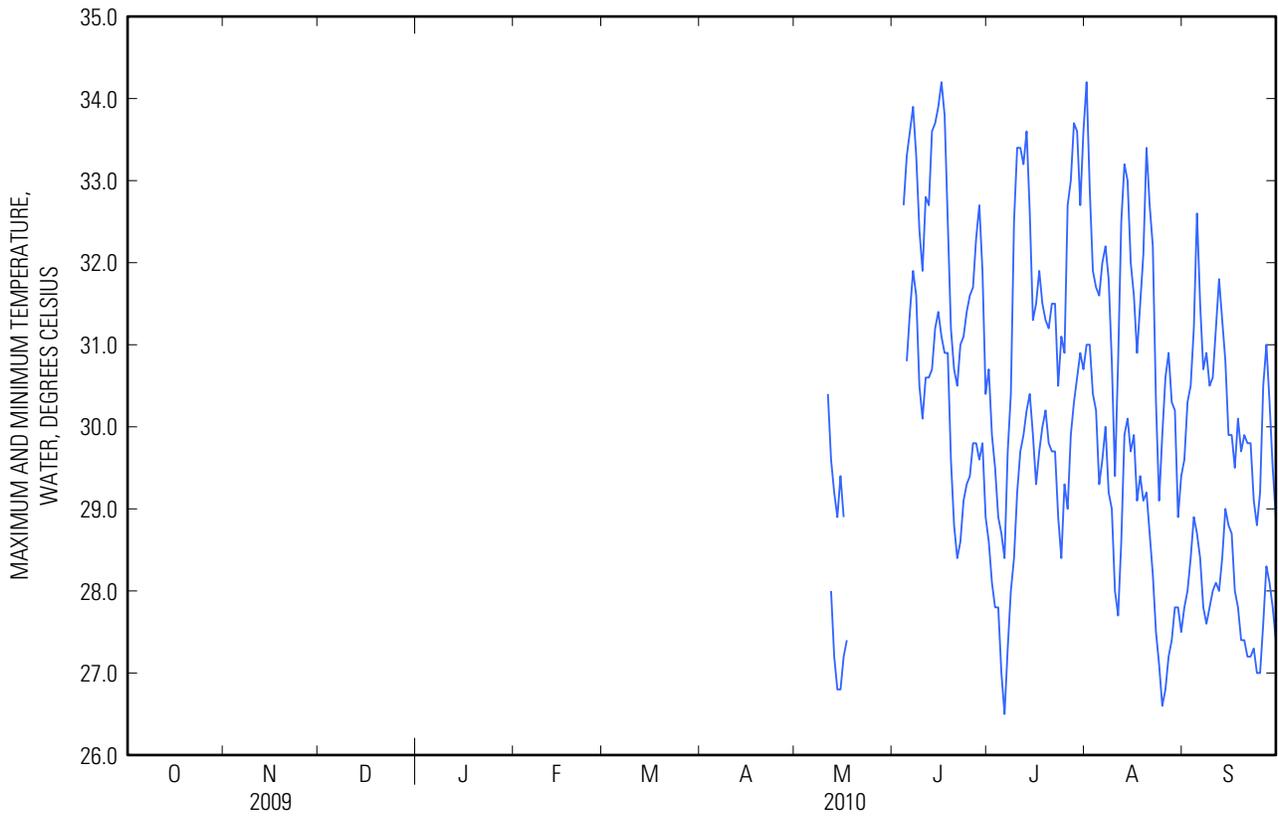
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	30.7	28.6	34.2	31.0	29.6	27.8
2	---	---	---	---	---	---	29.9	28.1	32.9	31.0	30.3	28.0
3	---	---	---	---	---	---	29.5	27.8	31.9	30.4	30.5	28.4
4	---	---	---	---	32.7	---	28.9	27.8	31.7	30.2	31.2	28.9
5	---	---	---	---	33.3	30.8	28.7	27.0	31.6	29.3	32.6	28.7
6	---	---	---	---	33.6	31.4	28.4	26.5	32.0	29.6	31.5	28.4
7	---	---	---	---	33.9	31.9	29.7	27.3	32.2	30.0	30.7	27.8
8	---	---	---	---	33.3	31.6	30.4	28.0	31.8	29.2	30.9	27.6
9	---	---	---	---	32.4	30.5	32.5	28.4	30.8	29.0	30.5	27.8
10	---	---	---	---	31.9	30.1	33.4	29.2	29.4	28.0	30.6	28.0
11	---	---	30.4	---	32.8	30.6	33.4	29.7	30.8	27.7	31.2	28.1
12	---	---	29.6	28.0	32.7	30.6	33.2	29.9	32.5	28.6	31.8	28.0
13	---	---	29.2	27.2	33.6	30.7	33.6	30.2	33.2	29.9	31.3	28.4
14	---	---	28.9	26.8	33.7	31.2	32.6	30.4	33.0	30.1	30.8	29.0
15	---	---	29.4	26.8	33.9	31.4	31.3	29.9	32.0	29.7	29.9	28.8
16	---	---	28.9	27.2	34.2	31.1	31.5	29.3	31.6	29.9	29.9	28.7
17	---	---	---	27.4	33.8	30.9	31.9	29.7	30.9	29.1	29.5	28.0
18	---	---	---	---	32.5	30.9	31.5	30.0	31.5	29.4	30.1	27.8
19	---	---	---	---	31.2	29.6	31.3	30.2	32.1	29.1	29.7	27.4
20	---	---	---	---	30.7	28.8	31.2	29.8	33.4	29.2	29.9	27.4
21	---	---	---	---	30.5	28.4	31.5	29.7	32.7	28.7	29.8	27.2
22	---	---	---	---	31.0	28.6	31.5	29.7	32.2	28.2	29.8	27.2
23	---	---	---	---	31.1	29.1	30.5	28.9	30.3	27.5	29.1	27.3
24	---	---	---	---	31.4	29.3	31.1	28.4	29.1	27.1	28.8	27.0
25	---	---	---	---	31.6	29.4	30.9	29.3	29.9	26.6	29.2	27.0
26	---	---	---	---	31.7	29.8	32.7	29.0	30.6	26.8	30.5	27.6
27	---	---	---	---	32.3	29.8	33.0	29.9	30.9	27.2	31.0	28.3
28	---	---	---	---	32.7	29.6	33.7	30.3	30.3	27.4	30.3	28.1
29	---	---	---	---	31.9	29.8	33.6	30.6	30.2	27.8	29.5	27.8
30	---	---	---	---	30.4	28.9	32.7	30.9	28.9	27.8	28.9	27.4
31	---	---	---	---	---	---	33.6	30.7	29.4	27.5	---	---
Month	---	---	---	---	---	---	33.7	26.5	34.2	26.6	32.6	27.0

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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

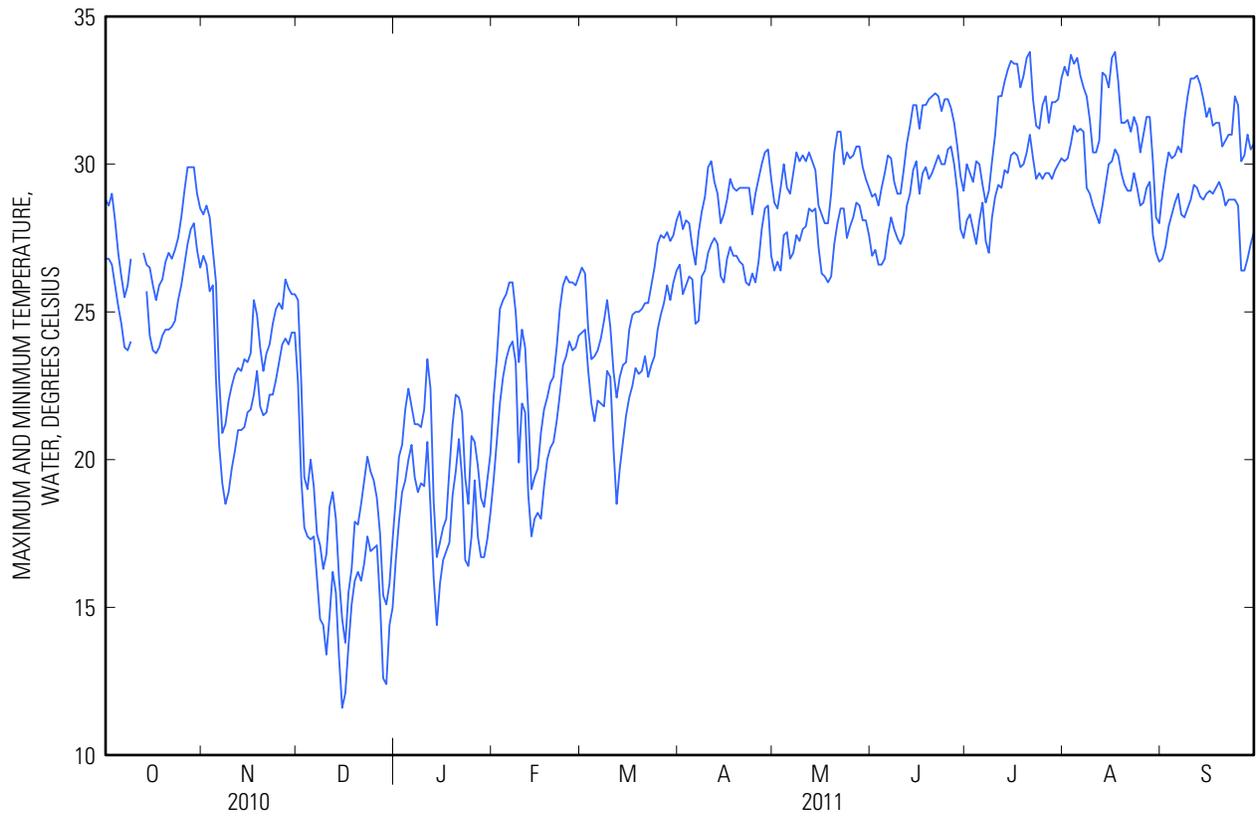
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	28.8	26.8	28.3	26.9	25.4	22.6	18.7	16.6	22.1	19.3	26.5	24.3
2	28.6	26.8	28.6	26.6	22.7	19.4	20.1	17.9	23.4	20.6	26.3	24.4
3	29.0	26.6	28.2	25.7	19.4	17.7	20.5	18.9	25.1	21.9	24.4	23.0
4	28.1	25.9	27.1	25.9	19.0	17.4	21.7	19.3	25.4	22.8	23.4	21.9
5	27.0	25.2	26.0	22.7	20.0	17.3	22.4	20.0	25.6	23.4	23.5	21.3
6	26.2	24.6	22.7	20.5	19.1	17.4	21.8	20.5	26.0	23.8	23.7	22.0
7	25.5	23.8	20.9	19.2	17.5	16.0	21.2	19.4	26.0	24.0	24.1	21.9
8	25.9	23.7	21.2	18.5	17.1	14.6	21.2	18.9	25.0	23.3	24.7	21.8
9	26.8	24.0	22.0	18.9	16.3	14.4	21.1	19.2	23.3	19.9	25.4	23.0
10	---	---	22.5	19.7	16.8	13.4	21.7	19.1	24.4	21.9	24.5	22.8
11	---	---	22.9	20.3	18.4	14.7	23.4	20.6	23.8	21.6	23.0	20.4
12	---	---	23.1	21.0	18.9	16.2	22.4	18.4	21.6	18.8	22.1	18.5
13	27.0	---	23.0	21.0	18.0	15.5	18.6	16.0	19.0	17.4	22.8	19.7
14	26.6	25.7	23.4	21.1	16.0	13.3	16.7	14.4	19.4	18.0	23.2	20.6
15	26.5	24.2	23.3	21.6	14.6	11.6	17.2	15.8	19.7	18.2	23.3	21.5
16	25.9	23.7	23.6	21.7	13.8	12.1	17.7	16.6	20.9	18.0	24.4	22.1
17	25.4	23.6	25.4	22.2	15.5	13.7	18.0	16.9	21.7	19.1	24.9	22.5
18	25.9	23.8	24.9	23.0	16.3	15.1	19.7	17.2	22.1	20.0	25.0	23.1
19	26.1	24.2	23.8	21.8	17.9	15.9	21.2	18.8	22.6	20.4	25.0	22.9
20	26.7	24.4	23.0	21.5	17.8	16.2	22.2	19.6	22.8	20.6	25.1	23.0
21	27.0	24.4	23.6	21.6	18.5	15.9	22.1	20.7	23.8	21.3	25.3	23.5
22	26.8	24.5	23.9	22.2	19.3	16.5	21.6	19.4	25.1	22.2	25.3	22.8
23	27.1	24.7	24.6	22.2	20.1	17.4	19.4	16.6	25.9	23.2	25.9	23.2
24	27.5	25.4	25.1	22.7	19.6	16.9	18.5	16.4	26.2	23.5	26.5	23.5
25	28.2	25.9	25.3	23.3	19.3	17.0	20.8	17.4	26.0	24.0	27.3	24.4
26	29.1	26.6	25.1	23.9	18.7	17.1	20.6	19.3	26.0	23.7	27.6	24.9
27	29.9	27.3	26.1	24.1	17.5	15.2	19.8	17.4	25.9	23.8	27.5	25.3
28	29.9	27.8	25.8	23.9	15.4	12.6	18.7	16.7	26.2	24.2	27.7	25.9
29	29.9	28.0	25.6	24.3	15.1	12.4	18.4	16.7	---	---	27.4	25.4
30	29.0	27.1	25.6	24.3	15.8	14.4	19.3	17.3	---	---	27.6	26.0
31	28.5	26.5	---	---	17.3	15.0	20.2	18.2	---	---	28.1	26.4
Month	---	---	28.6	18.5	25.4	11.6	23.4	14.4	26.2	17.4	28.1	18.5

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	28.4	26.6	28.7	26.4	28.9	26.9	30.0	28.1	33.3	30.1	29.0	26.8
2	27.8	25.6	28.5	26.7	29.0	27.1	29.7	28.3	33.0	30.2	29.8	27.2
3	28.1	25.9	29.2	26.4	28.6	26.6	29.4	27.8	33.7	30.7	30.4	27.9
4	28.0	26.2	30.0	27.6	29.2	26.6	30.1	27.3	33.4	31.3	30.2	28.3
5	27.2	26.1	29.2	27.7	29.7	26.8	30.0	28.1	33.6	31.1	30.3	28.7
6	26.6	24.6	29.0	26.8	30.3	27.6	29.3	28.7	33.0	31.2	30.6	29.0
7	27.7	24.7	29.7	27.0	30.2	28.2	28.7	27.4	32.6	31.1	30.4	28.3
8	28.4	26.2	30.4	27.6	29.4	27.8	29.1	27.0	32.3	29.2	31.5	28.2
9	28.9	26.4	30.1	27.4	29.0	27.5	30.1	28.2	31.5	29.0	32.3	28.5
10	29.9	27.0	30.3	27.8	29.0	27.3	31.0	28.9	30.4	28.6	32.9	28.8
11	30.1	27.3	30.1	27.9	29.8	27.6	32.3	29.3	30.4	28.3	32.9	29.3
12	29.4	27.5	30.4	28.5	30.7	28.6	32.3	29.2	30.8	28.0	33.0	29.2
13	29.0	27.3	30.1	28.4	31.3	29.0	32.8	29.8	33.1	28.6	32.7	28.9
14	28.0	26.2	29.8	28.5	32.0	29.8	33.2	29.7	33.0	29.3	32.2	28.8
15	28.3	26.0	28.6	27.2	32.0	30.1	33.5	30.3	32.6	30.0	31.6	29.0
16	28.8	26.8	28.3	26.3	31.2	29.0	33.4	30.4	33.6	30.1	31.9	29.1
17	29.5	27.2	28.0	26.2	32.0	29.7	33.4	30.3	33.8	30.5	31.3	29.0
18	29.2	26.9	28.0	26.0	32.0	29.9	32.6	29.9	32.8	30.3	31.4	29.2
19	29.1	26.9	29.0	26.2	32.2	29.5	33.0	30.0	31.4	29.7	31.4	29.4
20	29.2	26.7	30.4	27.3	32.3	29.7	33.6	30.4	31.4	29.3	30.6	29.1
21	29.2	26.6	31.1	28.0	32.4	30.0	33.8	31.0	31.5	29.1	30.8	28.6
22	29.2	26.0	31.1	28.5	32.3	30.3	32.2	30.2	31.1	29.1	31.0	28.8
23	29.2	25.9	30.0	28.5	31.8	30.0	31.3	29.5	31.6	29.7	31.0	28.8
24	28.3	26.3	30.4	27.5	32.2	30.0	31.2	29.7	31.3	29.2	32.3	28.8
25	29.0	26.0	30.2	27.9	32.2	30.5	32.0	29.5	30.4	28.6	32.0	28.6
26	29.5	26.7	30.3	28.2	31.9	30.6	32.3	29.7	31.0	28.7	30.1	26.4
27	30.0	27.8	30.6	28.7	31.4	30.0	31.4	29.7	31.6	29.2	30.3	26.4
28	30.4	28.5	30.6	28.6	30.6	29.1	32.1	29.5	31.6	29.4	31.0	26.8
29	30.5	28.6	29.9	28.1	29.6	27.8	32.1	29.8	30.1	27.6	30.5	27.3
30	29.5	26.9	29.5	28.1	29.1	27.5	32.2	30.0	28.2	27.0	30.7	27.7
31	---	---	29.2	27.6	---	---	32.9	30.2	28.0	26.7	---	---
Month	30.5	24.6	31.1	26.0	32.4	26.6	33.8	27.0	33.8	26.7	33.0	26.4

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

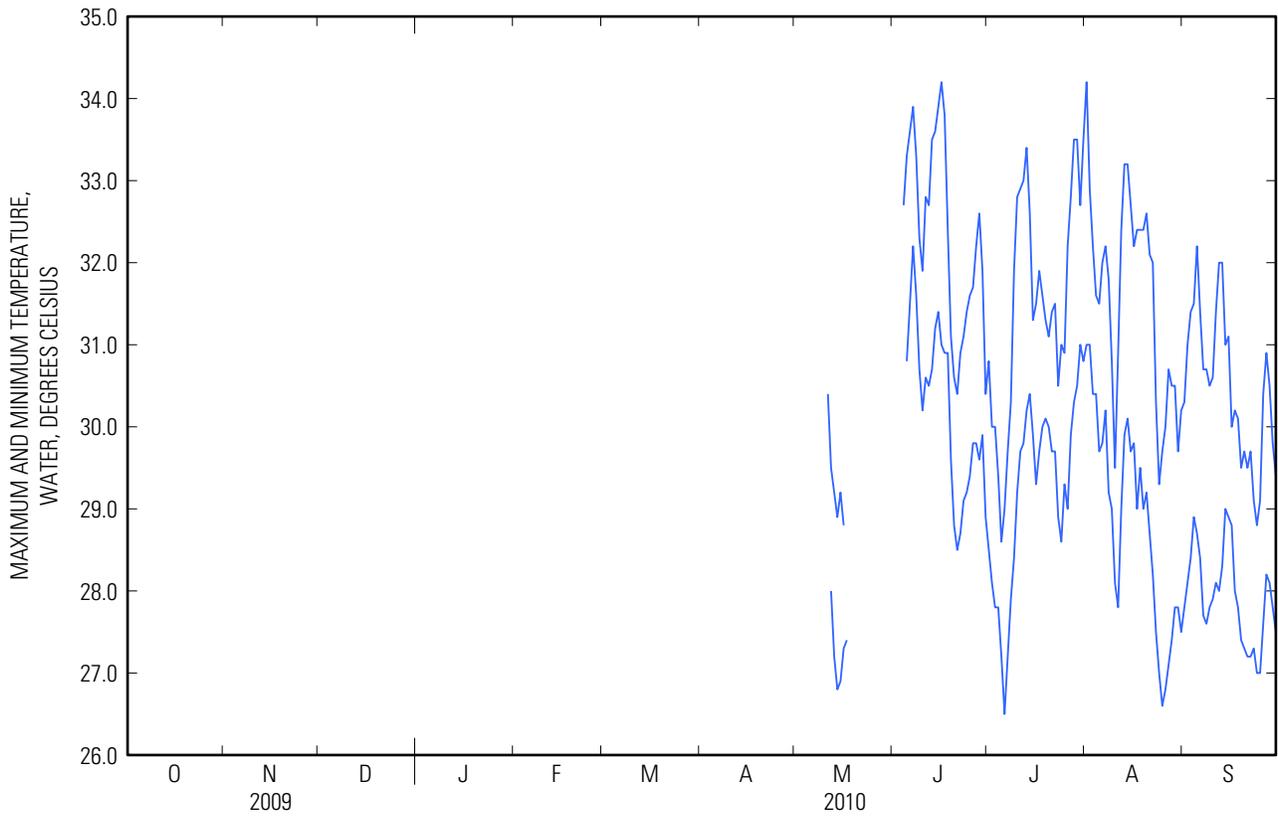
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	---	---	30.8	28.5	34.2	31.0	30.3	27.8
2	---	---	---	---	---	---	30.0	28.1	32.9	31.0	31.0	28.1
3	---	---	---	---	---	---	30.0	27.8	32.2	30.4	31.4	28.4
4	---	---	---	---	32.7	---	29.4	27.8	31.6	30.4	31.5	28.9
5	---	---	---	---	33.3	30.8	28.6	27.2	31.5	29.7	32.2	28.7
6	---	---	---	---	33.6	31.5	29.0	26.5	32.0	29.8	31.4	28.4
7	---	---	---	---	33.9	32.2	29.7	27.2	32.2	30.2	30.7	27.7
8	---	---	---	---	33.3	31.6	30.3	27.9	31.8	29.2	30.7	27.6
9	---	---	---	---	32.3	30.7	31.9	28.4	30.8	29.0	30.5	27.8
10	---	---	---	---	31.9	30.2	32.8	29.2	29.5	28.1	30.6	27.9
11	---	---	30.4	---	32.8	30.6	32.9	29.7	30.9	27.8	31.4	28.1
12	---	---	29.5	28.0	32.7	30.5	33.0	29.8	32.4	29.0	32.0	28.0
13	---	---	29.2	27.2	33.5	30.7	33.4	30.2	33.2	29.9	32.0	28.3
14	---	---	28.9	26.8	33.6	31.2	32.6	30.4	33.2	30.1	31.0	29.0
15	---	---	29.2	26.9	33.9	31.4	31.3	29.9	32.7	29.7	31.1	28.9
16	---	---	28.8	27.3	34.2	31.0	31.5	29.3	32.2	29.8	30.0	28.8
17	---	---	---	27.4	33.8	30.9	31.9	29.7	32.4	29.0	30.2	28.0
18	---	---	---	---	32.4	30.9	31.6	30.0	32.4	29.5	30.1	27.8
19	---	---	---	---	31.1	29.6	31.3	30.1	32.4	29.0	29.5	27.4
20	---	---	---	---	30.6	28.8	31.1	30.0	32.6	29.2	29.7	27.3
21	---	---	---	---	30.4	28.5	31.4	29.7	32.1	28.7	29.5	27.2
22	---	---	---	---	30.9	28.7	31.5	29.7	32.0	28.2	29.7	27.2
23	---	---	---	---	31.1	29.1	30.5	28.9	30.3	27.5	29.1	27.3
24	---	---	---	---	31.4	29.2	31.0	28.6	29.3	27.0	28.8	27.0
25	---	---	---	---	31.6	29.4	30.9	29.3	29.7	26.6	29.1	27.0
26	---	---	---	---	31.7	29.8	32.2	29.0	30.0	26.8	30.4	27.6
27	---	---	---	---	32.2	29.8	32.8	29.9	30.7	27.1	30.9	28.2
28	---	---	---	---	32.6	29.6	33.5	30.3	30.5	27.4	30.5	28.1
29	---	---	---	---	31.9	29.9	33.5	30.5	30.5	27.8	29.8	27.8
30	---	---	---	---	30.4	28.9	32.7	31.0	29.7	27.8	29.4	27.5
31	---	---	---	---	---	---	33.5	30.8	30.2	27.5	---	---
Month	---	---	---	---	---	---	33.5	26.5	34.2	26.6	32.2	27.0

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued



255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	29.2	27.0	28.3	27.0	25.4	22.6	18.7	16.6	21.8	19.3	26.5	24.3
2	29.0	26.8	28.3	26.6	22.8	19.4	20.1	17.9	23.2	20.6	26.2	24.4
3	29.0	26.6	27.9	25.7	19.4	17.6	20.4	18.9	24.9	21.9	24.4	22.9
4	28.1	25.8	27.1	25.9	19.0	17.4	21.6	19.3	25.4	22.8	23.2	21.9
5	27.0	25.2	26.0	22.7	19.9	17.3	22.4	19.9	25.6	23.4	23.4	21.3
6	26.1	24.6	22.7	20.5	19.0	17.4	21.8	20.5	26.0	23.8	23.6	22.0
7	25.4	23.8	20.8	19.2	17.5	16.0	21.2	19.4	26.0	24.0	24.1	21.9
8	25.9	23.7	21.2	18.5	17.1	14.6	21.2	18.8	25.0	23.3	24.6	21.8
9	26.8	23.9	21.9	18.9	16.5	14.5	21.1	19.2	23.3	19.9	25.4	23.0
10	---	---	22.5	19.7	16.9	13.4	21.7	19.1	24.4	21.9	24.5	22.8
11	---	---	22.8	20.3	18.3	14.7	23.4	20.6	23.8	21.6	23.0	20.5
12	---	---	23.1	21.0	18.9	16.2	22.4	18.5	21.6	19.0	22.1	18.4
13	27.0	---	23.0	21.0	18.0	15.8	18.5	15.7	19.0	17.4	22.8	19.6
14	26.7	25.6	23.4	21.1	16.0	13.4	16.8	14.4	19.4	17.8	23.3	20.6
15	27.0	25.0	23.4	21.7	14.0	11.5	17.2	15.7	19.7	18.2	23.3	21.5
16	25.9	24.1	23.6	21.9	13.9	12.1	17.7	16.6	20.9	18.0	24.5	22.1
17	25.4	23.7	24.4	22.2	15.5	13.6	18.0	16.9	21.7	19.1	24.9	22.5
18	25.9	23.8	24.6	22.9	16.3	15.0	19.7	17.2	22.1	19.9	25.1	23.0
19	25.8	24.2	23.8	21.7	17.9	15.8	21.1	18.7	22.6	20.4	24.9	22.8
20	26.4	24.4	22.9	21.5	17.7	16.2	22.2	19.6	22.8	20.6	25.1	23.0
21	26.7	24.4	23.6	21.6	18.4	15.9	22.0	20.7	23.8	21.3	25.2	23.5
22	26.7	24.5	23.8	22.2	19.2	16.5	21.6	19.4	25.1	22.2	25.2	22.8
23	27.0	24.7	24.5	22.2	20.0	17.4	19.4	16.7	25.9	23.2	25.8	23.2
24	27.4	25.4	24.9	22.6	19.6	17.0	18.5	16.4	26.3	23.5	26.5	23.5
25	28.1	25.8	25.3	23.2	19.3	17.0	20.7	17.4	26.1	24.0	27.4	24.4
26	29.1	26.5	25.1	23.9	18.7	17.5	20.6	19.3	26.1	23.7	27.8	24.9
27	29.8	27.3	26.1	24.1	17.5	15.4	19.8	17.4	25.8	23.8	27.5	25.3
28	29.9	27.8	25.8	23.9	15.4	12.6	18.7	16.7	26.1	24.2	27.6	25.9
29	30.0	28.1	25.6	24.3	14.8	12.3	18.4	16.8	---	---	27.4	25.4
30	29.0	27.4	25.6	24.3	15.6	14.4	19.2	17.3	---	---	27.6	26.0
31	28.5	27.0	---	---	17.3	15.0	20.2	18.1	---	---	28.1	26.4
Month	---	---	28.3	18.5	25.4	11.5	23.4	14.4	26.3	17.4	28.1	18.4

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

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	28.4	26.6	28.6	26.4	29.0	27.0	30.0	28.1	33.2	30.0	29.0	26.8
2	27.8	25.5	28.4	26.7	29.0	27.1	29.7	28.3	33.0	30.6	29.9	27.3
3	28.1	25.8	29.1	26.4	28.6	26.6	29.3	27.8	33.7	31.0	30.7	27.9
4	28.0	26.1	29.9	27.5	29.0	26.6	30.1	27.4	33.4	31.3	30.9	28.4
5	27.2	26.1	29.2	27.7	29.6	26.8	30.0	28.1	33.7	31.1	31.0	28.7
6	26.6	24.6	29.0	26.8	30.3	27.6	29.3	28.6	33.3	31.2	30.6	29.0
7	27.6	24.7	29.6	27.0	30.3	28.3	28.6	27.5	32.7	31.2	30.2	28.3
8	28.4	26.2	30.4	27.6	29.4	27.8	29.1	27.0	32.3	30.0	30.9	28.1
9	28.9	26.4	30.2	27.4	29.0	27.5	30.4	28.2	31.2	29.3	31.6	28.5
10	30.0	27.0	30.4	27.8	29.0	27.2	31.3	28.9	30.6	28.6	32.2	28.8
11	30.1	27.3	30.1	27.9	29.8	27.6	31.8	29.3	30.2	28.3	32.4	29.3
12	29.4	27.5	30.3	28.5	30.7	28.5	31.9	29.3	30.7	28.0	32.4	29.2
13	29.0	27.3	30.1	28.4	31.3	28.9	32.5	29.8	32.0	28.6	32.2	28.9
14	28.0	26.2	29.7	28.5	32.0	29.7	32.7	29.6	32.8	29.2	32.1	28.8
15	28.3	26.0	28.7	27.1	31.9	30.0	33.3	30.3	32.5	29.9	31.5	28.9
16	28.7	26.7	28.2	26.3	31.1	28.9	33.3	30.5	33.4	30.1	31.9	29.1
17	29.5	27.1	27.8	26.2	31.9	29.7	33.3	30.2	33.7	30.5	31.4	28.9
18	29.2	26.8	28.0	26.0	31.9	30.0	32.5	29.9	32.8	30.3	31.4	29.2
19	29.0	26.8	28.9	26.2	32.2	29.6	33.0	30.0	31.7	29.7	31.6	29.4
20	29.1	26.7	30.2	27.3	32.5	29.7	33.6	30.4	31.8	29.3	30.9	29.2
21	29.2	26.6	31.1	28.0	32.5	30.0	33.7	31.0	32.1	29.2	31.0	28.8
22	29.1	26.0	31.1	28.5	32.4	30.3	32.4	30.1	32.3	29.2	30.9	28.9
23	29.2	25.9	30.0	28.5	31.7	30.0	32.1	29.6	31.7	29.9	30.9	28.8
24	28.4	26.3	30.5	27.5	32.2	30.0	31.5	29.7	31.6	29.4	31.7	28.7
25	29.1	26.0	30.2	28.0	32.2	30.5	32.0	29.8	30.9	28.6	31.9	28.5
26	29.6	26.7	30.3	28.2	31.7	30.6	32.2	29.9	30.8	28.7	30.2	26.8
27	30.0	27.8	30.7	28.7	31.4	30.0	31.5	30.0	31.3	29.1	29.9	26.4
28	30.4	28.4	30.4	28.7	30.5	29.1	31.9	29.5	31.6	29.3	30.6	26.8
29	30.5	28.6	29.9	28.0	29.6	27.8	32.1	29.7	30.2	27.6	30.4	27.3
30	29.5	26.9	29.5	28.1	29.0	27.5	32.0	30.0	28.2	27.0	30.7	27.6
31	---	---	29.2	27.6	---	---	32.9	30.2	28.0	26.6	---	---
Month	30.5	24.6	31.1	26.0	32.5	26.6	33.7	27.0	33.7	26.6	32.4	26.4

255432081303900 FAKA UNION RIVER NEAR THE MOUTH, FL—Continued

