

Water-Data Report 2013

08017044 Calcasieu River at I-10 at Lake Charles, LA

Calcasieu-Mermentau Basin
Lower Calcasieu Subbasin

LOCATION.--Lat 30°14'13", long 93°14'50" referenced to North American Datum of 1927, Calcasieu Parish, LA, Hydrologic Unit 08080206, installed on the far west cement bridge footing, located below Interstate I-10 on the right waters edge of Calcasieu River in Lake Charles, La.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 88.

REMARKS.--Site affected wind and tide. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 9.95 ft, Sep.13, 2008; minimum recorded gage height, -2.49 ft, March 22, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.38 ft, Sept. 21; minimum gage height, -1.86 ft, Dec. 26.

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1.24	-0.68	0.37	1.52	-0.15	0.87	2.05	0.79	1.50	1.94	0.60	1.35
2	1.78	0.42	1.06	1.80	0.41	1.20	2.07	0.68	1.52	1.24	0.01	0.57
3	1.82	0.61	1.32	1.86	0.67	1.38	2.12	0.91	1.58	1.31	0.32	0.75
4	1.82	0.57	1.32	1.93	0.40	1.24	2.12	0.75	1.52	1.41	0.40	0.99
5	1.71	0.62	1.25	1.84	0.55	1.24	1.74	0.41	1.05	1.46	0.36	0.99
6	1.93	0.28	1.24	1.67	0.06	0.85	1.86	0.92	1.26	1.54	0.12	0.86
7	1.31	-0.01	0.70	1.48	0.14	0.78	2.02	1.05	1.58	1.86	0.11	1.08
8	1.47	0.48	1.06	1.64	0.83	1.16	2.08	0.99	1.58	2.36	0.64	1.63
9	1.72	0.56	1.29	1.85	0.81	1.27	2.19	0.89	1.68	2.76	0.83	1.88
10	1.91	0.72	1.40	2.02	0.94	1.56	1.95	-0.09	0.89	2.68	1.56	2.29
11	1.83	0.72	1.42	2.97	1.61	2.31	1.26	-0.80	0.32	2.63	1.28	2.12
12	2.08	0.85	1.59	2.16	0.13	1.30	1.44	-0.34	0.76	2.97	1.59	2.30
13	2.32	1.03	1.78	1.84	-0.40	0.76	1.57	-0.38	0.77	2.91	1.37	2.20
14	2.27	1.13	1.76	2.04	0.30	1.37	1.97	0.01	1.13	1.89	0.98	1.49
15	1.92	0.27	1.23	1.88	0.02	1.16	2.26	0.54	1.53	2.06	1.18	1.63
16	2.30	0.70	1.44	1.75	-0.19	0.96	1.98	0.56	1.38	1.76	0.79	1.16
17	2.58	1.12	1.95	1.82	0.12	1.10	2.03	0.24	1.17	1.38	0.35	0.64
18	2.52	0.39	1.49	1.82	0.23	1.17	1.58	0.37	0.95	1.68	0.11	0.93
19	1.96	0.44	1.38	1.71	0.28	1.09	1.89	0.89	1.44	1.66	0.56	1.21
20	2.02	0.69	1.47	1.68	0.26	0.96	2.05	-1.30	0.24	1.61	0.45	1.17
21	2.43	0.99	1.89	1.43	0.47	0.89	0.60	-1.39	-0.50	1.81	0.35	1.19
22	2.31	1.05	1.79	1.50	0.43	1.06	1.23	-0.21	0.69	1.75	0.20	1.09
23	2.38	1.10	1.85	1.77	0.63	1.21	1.65	0.30	1.14	1.84	0.46	1.28
24	2.41	1.23	1.98	1.40	-0.32	0.64	1.36	-0.24	0.76	1.65	0.17	1.04
25	2.55	1.54	2.16	2.01	0.52	1.41	1.98	0.56	1.31	1.65	0.35	1.08
26	2.35	0.62	1.58	2.41	1.05	1.90	0.60	-1.86	-0.49	1.53	0.24	1.03
27	0.92	-0.67	0.18	2.11	0.30	1.35	1.55	-0.52	0.54	1.93	0.53	1.23
28	1.36	-0.24	0.58	1.74	-0.03	0.97	2.16	0.85	1.46	1.95	0.71	1.45
29	1.38	-0.51	0.53	2.12	0.49	1.45	0.85	-1.55	-0.16	2.73	1.26	1.82
30	1.64	0.19	1.05	2.04	0.63	1.51	1.24	-0.58	0.27	2.70	-0.12	1.08
31	1.54	0.00	0.94	---	---	---	1.94	0.74	1.37	1.58	-0.57	0.43
Month	2.58	-0.68	1.32	2.97	-0.40	1.20	2.26	-1.86	0.98	2.97	-0.57	1.29

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.49	0.45	0.95	0.84	-0.64	0.13	1.77	0.30	1.14	2.25	0.84	1.64
2	1.58	0.54	1.19	0.57	-0.89	-0.08	1.96	-0.03	1.11	1.97	0.45	1.30
3	1.58	0.10	0.85	1.25	-1.16	0.36	2.07	1.13	1.56	0.45	-0.77	-0.12
4	1.79	0.29	1.22	1.92	0.06	1.07	1.59	0.72	1.21	2.09	-0.18	1.07
5	1.98	0.53	1.38	1.25	-0.10	0.61	1.35	-0.58	0.42	1.58	-0.17	0.71
6	2.08	0.28	1.34	1.09	-1.29	0.10	2.03	0.64	1.31	1.55	-0.29	0.92
7	2.29	0.76	1.70	1.51	-0.29	0.82	1.88	0.92	1.39	1.38	0.07	0.81
8	2.00	0.28	1.25	1.74	0.06	1.09	2.06	0.91	1.61	1.69	0.02	1.08
9	2.38	0.38	1.34	2.01	0.70	1.51	2.61	1.17	2.01	1.84	0.22	1.34
10	2.82	1.64	2.24	2.38	0.86	1.66	3.13	2.19	2.65	2.81	1.19	1.97
11	1.93	0.71	1.48	1.16	-0.05	0.62	2.20	0.97	1.52	2.64	1.31	1.99
12	2.14	1.08	1.67	1.79	0.15	1.02	1.89	0.57	1.29	2.03	0.74	1.48
13	1.65	0.23	0.86	1.56	0.26	0.94	2.25	0.38	1.52	2.13	0.65	1.59
14	1.67	0.39	1.11	1.72	0.39	1.21	2.52	1.45	2.03	2.21	0.91	1.67
15	1.52	0.48	1.09	1.70	0.42	1.20	2.35	0.94	1.71	2.28	1.01	1.74
16	1.16	-0.51	0.35	2.00	0.56	1.42	2.26	1.02	1.69	2.34	1.15	1.82
17	1.75	-0.33	0.82	2.41	0.70	1.73	2.61	1.25	2.01	2.34	1.19	1.66
18	2.39	1.20	1.86	2.19	0.99	1.73	3.13	1.81	2.52	2.15	1.31	1.69
19	2.20	0.17	0.97	2.10	0.46	1.39	1.81	-0.36	0.67	2.28	1.44	1.89
20	2.38	0.48	1.27	1.83	0.00	0.99	1.86	0.26	1.03	2.47	1.48	2.04
21	2.82	1.78	2.42	2.50	0.64	1.71	2.06	1.23	1.68	2.63	1.27	2.20
22	2.32	0.59	1.42	2.59	1.47	2.09	2.18	1.09	1.76	1.96	0.53	1.41
23	1.78	0.35	1.12	1.93	0.92	1.49	2.34	1.08	1.86	2.52	0.71	1.83
24	1.92	0.54	1.25	1.60	-0.40	0.72	2.41	0.53	1.40	2.24	0.57	1.53
25	2.29	1.42	1.91	0.78	-0.86	-0.16	1.69	-0.03	1.00	2.10	0.18	1.44
26	1.82	-0.81	0.20	0.64	-0.61	0.06	2.16	0.47	1.54	2.41	0.39	1.72
27	1.38	-0.67	0.65	1.38	-0.38	0.65	2.31	0.59	1.62	2.46	0.70	1.82
28	0.99	-0.38	0.21	1.48	-0.06	0.85	2.20	0.54	1.55	2.71	1.03	2.00
29	---	---	---	1.85	0.07	1.18	2.24	0.48	1.60	2.86	1.26	2.21
30	---	---	---	1.85	0.27	1.31	2.30	0.63	1.67	3.10	1.60	2.41
31	---	---	---	1.95	0.28	1.29	---	---	---	2.97	1.92	2.45
Month	2.82	-0.81	1.22	2.59	-1.29	0.99	3.13	-0.58	1.54	3.10	-0.77	1.59

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	2.83	1.70	2.45	1.86	0.41	1.22	---	---	---	2.28	0.73	1.67
2	2.58	1.11	1.80	1.75	0.37	1.31	---	---	---	2.05	0.71	1.48
3	2.05	0.64	1.55	1.80	0.37	1.33	---	---	---	1.90	0.68	1.37
4	2.10	0.56	1.47	2.04	0.57	1.56	---	---	---	1.82	0.52	1.33
5	2.08	0.50	1.60	2.05	0.53	1.50	---	---	---	1.92	0.61	1.33
6	2.39	0.75	1.76	2.37	0.79	1.86	---	---	---	1.98	0.84	1.40
7	2.13	0.52	1.32	2.25	0.73	1.74	---	---	---	1.96	0.90	1.43
8	2.07	0.21	1.48	2.24	0.77	1.68	---	---	---	1.95	0.73	1.38
9	2.13	0.48	1.46	2.13	0.74	1.65	---	---	---	2.08	0.99	1.57
10	1.96	0.36	1.35	2.05	0.78	1.52	---	---	---	2.17	1.08	1.73
11	1.98	0.36	1.39	1.86	0.65	1.32	---	---	---	2.26	0.94	1.65
12	2.07	0.57	1.39	1.69	0.39	1.12	---	---	---	2.23	0.89	1.68
13	1.79	0.46	1.18	1.58	0.42	1.03	---	---	---	2.38	1.05	1.86
14	1.41	0.28	0.93	1.79	0.71	1.19	---	---	---	2.35	0.81	1.74
15	1.54	0.24	0.89	2.20	1.00	1.58	---	---	---	2.32	0.86	1.86
16	1.68	0.63	1.14	2.00	0.94	1.62	---	---	---	2.42	0.99	1.87
17	1.97	0.58	1.26	2.38	1.01	1.85	---	---	---	2.61	1.19	2.01
18	1.82	-0.04	1.21	2.33	0.76	1.90	---	---	---	2.77	1.24	1.97
19	1.60	-0.12	0.98	2.35	0.75	1.81	---	---	---	2.89	1.48	2.23
20	1.73	-0.17	1.00	2.63	0.68	1.90	---	---	---	3.32	1.97	2.52
21	1.80	-0.20	1.06	2.77	0.95	2.05	1.80	1.32	1.80	3.38	1.81	2.56
22	2.14	-0.16	1.20	2.50	0.93	1.88	2.19	0.95	1.58	2.52	1.38	1.85
23	2.21	-0.01	1.44	2.24	0.69	1.62	2.49	1.00	1.62	2.62	1.78	2.30
24	2.30	0.33	1.55	1.99	0.54	1.26	2.49	1.22	1.81	2.76	1.37	2.20
25	2.27	0.47	1.57	---	---	---	2.50	1.56	2.04	2.39	1.08	1.86
26	2.12	0.68	1.55	---	---	---	2.30	1.02	1.82	2.27	1.09	1.80
27	1.88	0.62	1.30	---	---	---	2.17	1.19	1.76	2.20	1.00	1.67
28	1.91	0.57	1.21	---	---	---	2.37	1.00	1.85	2.42	1.17	1.90
29	1.60	0.53	1.04	---	---	---	2.26	0.89	1.74	2.48	1.05	1.94
30	1.40	0.24	0.86	---	---	---	2.23	0.93	1.71	2.44	1.05	2.01
31	---	---	---	---	---	---	2.26	0.92	1.72	---	---	---
Month	2.83	-0.20	1.35	---	---	---	---	---	---	3.38	0.52	1.81

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1998 to current year.

SALINITY: October 2002 to Current year.

WATER TEMPERATURE: December 1998 to current year.

INSTRUMENTATION.--Water-quality monitor recording specific conductance and water temperature.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except for for Oct. 27-31, Dec. 20-Feb. 5, Mar. 16-Apr. 9; May 22-28, and June 8-July 3 when good; July 4-22 when fair; and July 23-Aug. 21 when poor.

SALINITY: Records excellent except for for Oct. 27-31, Dec. 20-Feb. 5, Mar. 16-Apr. 9; May 22-28, and June 8-July 3 when good; July 4-22 when fair; and July 23-Aug. 21 when poor.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 44,800 microsiemens/cm, Aug. 18, 2013; minimum, 24 microsiemens/cm, Nov 11, 2002.

SALINITY: Maximum, 28.9 ppt, Aug. 18, 2013, Aug. 29, 2010; minimum, 0.0 ppt, many times.

WATER TEMPERATURE: Maximum, 36.5°C, Aug. 27, 2004; minimum, 6.4°C, Jan. 9, 10, 11, 12, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 44,800 microsiemens/cm, Aug. 18; minimum, 54 microsiemens/cm, Jan. 16.

SALINITY: Maximum, 28.9 ppt, Aug. 18; minimum, 0.0 ppt, on several days.

WATER TEMPERATURE: Maximum, 33.4°C, Aug. 9; minimum, 10.0°C, Jan. 20.

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	15,100	9,660	12,000	29,300	24,700	27,200	30,000	19,800	25,600	11,500	3,860	7,490
2	13,500	6,040	9,720	28,800	23,200	26,300	29,100	21,000	24,800	3,860	844	2,120
3	13,000	4,750	8,900	28,300	22,100	25,300	28,300	19,900	22,600	935	409	610
4	12,000	5,550	8,340	29,100	23,000	26,200	28,200	20,000	24,300	2,660	507	1,060
5	15,500	6,410	9,680	28,300	21,400	24,700	27,400	17,000	21,000	1,440	535	1,010
6	19,500	9,680	12,600	27,200	20,600	23,300	23,000	18,100	21,100	1,860	672	1,220
7	24,000	14,200	17,600	26,900	22,200	24,000	25,600	17,400	21,500	1,980	828	1,300
8	31,700	17,900	22,300	24,800	19,000	21,200	23,500	16,900	19,200	2,440	1,210	1,830
9	28,500	16,600	23,600	24,300	18,900	20,300	24,800	16,600	20,000	3,200	2,020	2,630
10	28,300	17,300	24,100	27,600	17,500	19,800	26,700	15,100	19,400	3,030	190	1,380
11	29,600	16,800	22,500	28,200	20,500	22,800	22,500	16,800	19,100	375	90	183
12	30,700	16,000	24,800	31,900	18,600	24,600	26,100	17,500	21,200	138	76	108
13	28,300	15,600	21,000	29,600	20,300	23,600	24,500	17,900	21,700	125	75	100
14	29,200	17,200	22,700	30,600	23,600	26,900	27,200	17,600	21,000	97	75	86
15	27,100	12,800	20,400	31,900	24,000	27,800	27,500	16,600	21,800	86	57	67
16	24,300	17,100	21,300	31,200	23,000	27,200	25,400	16,700	21,700	66	54	59
17	26,600	18,900	20,900	31,400	25,300	28,200	23,700	13,300	18,300	78	55	63
18	27,400	14,500	21,400	30,800	25,500	27,900	19,200	13,200	15,100	70	58	62
19	25,000	20,400	22,700	30,600	25,100	27,800	17,600	13,500	15,100	85	58	70
20	24,400	17,200	21,100	29,600	23,900	27,400	20,200	10,400	13,500	98	65	78
21	25,100	16,700	20,900	29,100	23,200	26,300	16,500	11,900	14,100	148	70	101
22	24,700	15,600	19,300	29,300	21,800	25,300	16,900	12,200	14,100	253	89	164
23	24,600	15,800	20,600	31,100	22,500	26,600	14,900	11,900	13,200	559	205	333
24	24,800	16,700	20,900	29,500	23,300	25,900	16,300	13,800	14,800	818	329	610
25	26,200	16,700	21,800	30,000	22,500	25,600	20,500	11,900	15,700	993	601	753
26	27,400	18,400	22,100	28,300	21,700	25,600	18,900	10,000	13,900	1,050	727	873
27	23,500	15,300	19,000	29,600	18,800	25,000	16,500	12,000	14,300	1,410	854	1,010
28	27,700	20,100	22,900	29,100	20,900	24,900	19,200	12,700	15,200	1,370	916	1,130
29	27,900	20,900	25,100	28,800	21,100	25,600	14,300	9,200	11,600	1,910	1,160	1,430
30	28,600	22,000	25,200	30,500	20,300	26,200	12,600	7,500	9,960	2,550	1,220	1,690
31	27,400	23,400	25,800	---	---	---	12,000	5,690	8,620	1,680	1,260	1,460
Month	31,700	4,750	19,700	31,900	17,500	25,300	30,000	5,690	17,900	11,500	54	1,000

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2,650	1,520	1,860	2,180	602	991	18,300	10,500	13,100	7,320	3,230	4,340
2	2,680	1,080	2,100	2,850	647	1,150	15,200	7,520	11,400	6,930	3,040	4,860
3	2,630	1,160	1,800	1,930	634	1,170	24,800	5,400	10,900	7,310	2,920	5,330
4	2,930	1,500	1,970	2,290	825	1,630	5,400	2,240	3,290	9,860	5,240	6,410
5	5,290	1,690	2,750	2,870	1,490	2,090	4,020	1,490	2,460	9,600	5,500	7,700
6	6,740	2,400	3,390	3,660	1,540	2,830	3,780	1,730	2,790	10,400	5,500	8,240
7	6,090	2,590	3,830	4,080	2,080	2,750	4,630	1,570	2,460	11,000	7,030	8,330
8	5,990	2,140	3,780	8,210	2,480	3,790	3,440	1,400	2,630	10,900	6,890	7,840
9	4,830	2,040	3,180	6,020	2,970	4,070	4,190	1,910	3,200	9,410	6,580	7,390
10	6,660	3,480	4,200	8,320	3,070	4,410	6,830	4,020	5,250	15,200	2,310	6,800
11	7,070	1,440	3,680	8,450	3,480	5,510	8,190	1,810	4,640	2,440	365	1,200
12	2,400	743	1,450	11,200	3,480	5,720	2,790	1,620	2,140	365	116	230
13	1,530	542	912	11,800	3,470	7,230	4,870	1,500	2,530	277	143	185
14	854	421	519	10,300	5,090	7,300	5,490	2,150	3,400	703	154	335
15	2,450	679	1,180	11,300	5,750	6,950	4,290	2,960	3,510	641	289	517
16	1,100	679	849	14,300	4,860	7,440	3,740	1,630	2,780	866	527	712
17	1,890	976	1,400	8,460	4,720	6,830	4,260	1,900	3,030	1,060	572	825
18	3,450	462	1,310	14,100	5,960	8,560	7,060	2,290	3,970	1,120	470	829
19	1,480	351	745	17,400	6,480	9,490	6,860	1,210	2,550	1,160	646	995
20	2,140	343	683	15,200	8,240	11,300	3,010	1,490	2,070	1,160	772	1,050
21	3,060	399	1,670	15,900	7,470	11,400	5,350	1,880	3,120	1,210	843	1,090
22	3,020	627	1,560	18,400	9,090	11,500	7,640	2,200	4,100	1,160	312	650
23	2,120	951	1,390	15,700	6,860	10,900	4,680	2,160	3,460	1,200	312	620
24	2,180	792	1,440	17,500	5,270	9,720	9,120	2,340	3,930	1,060	354	599
25	2,330	1,150	1,600	15,000	5,270	10,300	6,690	2,420	4,020	1,150	508	817
26	2,350	965	1,380	15,300	9,710	12,300	5,760	1,110	3,280	1,180	457	929
27	1,760	412	968	14,400	10,700	12,200	5,020	1,240	2,790	1,150	663	954
28	741	357	496	16,300	10,200	12,100	5,410	1,210	2,090	1,540	675	1,070
29	---	---	---	19,300	10,300	13,200	5,190	1,580	3,090	1,540	859	1,210
30	---	---	---	21,600	9,990	13,200	5,190	2,360	3,730	1,630	944	1,370
31	---	---	---	21,800	10,500	14,500	---	---	---	2,190	1,170	1,800
Month	7,070	343	1,860	21,800	602	7,500	24,800	1,110	4,060	15,200	116	2,750

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	2,360	1,490	1,850	18,900	8,090	12,300	29,100	24,600	27,400	30,200	20,700	26,600
2	2,130	865	1,430	22,000	9,290	17,400	29,900	25,700	28,100	28,700	20,700	24,800
3	1,820	868	1,270	21,900	12,100	18,000	30,600	25,700	28,700	30,600	23,200	26,300
4	1,990	744	1,370	28,500	12,100	22,600	32,100	25,700	28,600	27,900	20,500	24,200
5	4,610	1,140	2,690	30,600	13,300	19,100	30,600	24,900	27,600	29,900	21,700	26,500
6	8,630	1,510	4,560	31,700	13,700	23,600	31,000	24,900	28,500	30,000	23,200	26,400
7	7,130	2,220	4,540	31,200	18,300	23,700	31,800	25,800	28,800	28,300	21,300	24,200
8	6,630	2,220	4,430	27,900	18,300	23,200	32,000	25,800	28,800	29,100	22,100	25,800
9	6,540	2,470	4,350	28,200	18,900	23,700	33,500	27,500	30,300	29,100	21,600	24,700
10	5,550	1,980	3,830	28,300	18,900	23,500	37,400	28,200	31,800	30,300	23,600	26,800
11	5,700	1,830	3,560	25,200	16,400	21,600	37,100	26,400	30,800	31,400	22,200	26,700
12	6,670	2,440	3,690	24,700	17,100	20,500	38,000	27,200	31,300	29,200	21,800	25,800
13	5,790	2,340	3,730	26,700	14,300	19,000	34,900	28,800	32,900	29,800	22,400	26,000
14	4,510	2,170	3,010	21,400	15,300	18,600	34,800	26,300	31,400	29,000	20,000	24,600
15	4,440	1,950	2,950	24,600	14,700	17,300	35,700	29,300	32,700	27,200	21,900	24,800
16	5,740	3,010	4,200	25,300	15,400	20,800	39,600	31,400	35,200	29,300	22,100	26,300
17	5,190	3,250	4,050	27,200	19,300	23,500	41,600	31,600	38,500	28,800	23,000	26,500
18	6,940	4,080	4,870	29,200	20,100	25,800	44,800	32,300	39,400	27,900	22,900	25,500
19	10,200	2,480	5,150	29,500	20,800	26,000	40,900	34,900	38,600	27,100	22,300	24,300
20	9,780	2,520	5,070	26,600	21,600	24,200	42,900	34,800	40,000	27,100	21,200	23,800
21	9,180	3,110	5,430	28,300	19,600	23,200	43,600	23,000	33,800	23,900	10,100	16,400
22	17,200	3,660	6,880	25,900	19,700	23,100	32,700	21,600	28,800	10,100	2,710	5,580
23	13,600	4,940	8,560	25,100	18,600	22,100	32,100	25,000	28,800	3,160	1,270	2,300
24	15,300	5,460	8,420	24,800	17,600	21,200	32,700	22,900	27,500	3,510	1,350	2,200
25	11,900	5,470	8,090	30,700	21,800	26,500	31,100	24,500	27,800	3,510	1,660	2,280
26	12,300	6,060	8,270	32,000	25,000	27,400	32,500	25,300	28,800	4,830	2,420	3,320
27	10,500	5,340	7,320	30,400	24,100	27,700	33,800	26,100	30,000	4,830	2,500	3,360
28	10,400	5,220	7,670	---	---	---	33,200	25,700	29,700	4,000	3,200	3,580
29	9,650	5,430	7,220	28,400	24,700	26,700	32,400	25,400	29,100	7,120	3,750	5,180
30	11,800	5,720	8,390	28,200	24,300	25,600	31,200	23,900	28,500	10,900	4,690	6,560
31	---	---	---	28,400	24,200	26,500	30,500	23,000	28,200	---	---	---
Month	17,200	744	4,900	---	---	---	44,800	21,600	31,000	31,400	1,270	18,700

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	8.8	5.4	6.9	18.1	15.0	16.7	18.6	11.8	15.6	6.5	2.0	4.1
2	7.8	3.3	5.5	17.7	14.0	16.1	17.9	12.6	15.1	2.0	0.4	1.1
3	7.5	2.5	5.0	17.4	13.3	15.4	17.4	11.8	13.6	0.5	0.2	0.3
4	6.8	3.0	4.6	17.9	13.9	16.0	17.4	11.9	14.8	1.4	0.2	0.5
5	9.0	3.5	5.5	17.4	12.9	15.0	16.8	10.0	12.6	0.7	0.3	0.5
6	11.6	5.4	7.2	16.6	12.3	14.1	13.9	10.7	12.6	0.9	0.3	0.6
7	14.5	8.2	10.4	16.4	13.3	14.6	15.6	10.2	12.9	1.0	0.4	0.6
8	19.7	10.5	13.4	15.0	11.3	12.7	14.2	9.9	11.4	1.3	0.6	0.9
9	17.5	9.7	14.3	14.7	11.2	12.1	15.0	9.7	11.9	1.7	1.0	1.4
10	17.4	10.2	14.6	16.9	10.3	11.8	16.3	8.8	11.5	1.6	0.1	0.7
11	18.3	9.9	13.6	17.4	12.2	13.8	13.5	9.9	11.4	0.2	0.1	0.1
12	19.0	9.3	15.1	19.9	11.0	14.9	15.9	10.3	12.7	0.1	0.0	0.1
13	17.4	9.1	12.6	18.3	12.1	14.3	14.8	10.5	13.0	0.1	0.0	0.1
14	18.0	10.1	13.7	19.0	14.3	16.5	16.6	10.4	12.6	0.1	0.0	0.1
15	16.6	7.4	12.2	19.9	14.5	17.1	16.9	9.7	13.1	0.1	0.0	0.0
16	14.7	10.1	12.8	19.4	13.9	16.7	15.5	9.8	13.0	0.0	0.0	0.0
17	16.3	11.2	12.5	19.5	15.4	17.3	14.4	7.6	10.9	0.0	0.0	0.0
18	16.8	8.4	12.9	19.1	15.5	17.1	11.4	7.6	8.8	0.0	0.0	0.0
19	15.2	12.1	13.6	19.0	15.3	17.1	10.4	7.8	8.7	0.1	0.0	0.0
20	14.8	10.1	12.6	18.3	14.5	16.8	12.0	5.9	7.8	0.1	0.0	0.0
21	15.3	9.8	12.5	17.9	14.0	16.1	9.7	6.8	8.1	0.1	0.0	0.1
22	15.0	9.1	11.5	18.1	13.1	15.4	9.9	7.0	8.2	0.1	0.1	0.1
23	14.9	9.2	12.3	19.3	13.5	16.3	8.7	6.8	7.6	0.3	0.1	0.2
24	15.0	9.8	12.5	18.2	14.1	15.8	9.5	7.9	8.6	0.4	0.2	0.3
25	16.0	9.8	13.1	18.6	13.5	15.6	12.2	6.8	9.2	0.5	0.3	0.4
26	16.8	10.9	13.3	17.4	13.0	15.6	11.2	5.6	8.1	0.5	0.4	0.4
27	14.2	8.9	11.3	18.3	11.1	15.2	9.7	6.8	8.3	0.7	0.4	0.5
28	17.0	12.0	13.8	17.9	12.5	15.2	11.4	7.3	8.9	0.7	0.4	0.6
29	17.2	12.5	15.3	17.7	12.6	15.6	8.3	5.1	6.6	1.0	0.6	0.7
30	17.6	13.2	15.4	18.9	12.1	16.0	7.2	4.1	5.6	1.3	0.6	0.9
31	16.8	14.2	15.7	---	---	---	6.8	3.1	4.8	0.8	0.6	0.7
Month	19.7	2.5	11.8	19.9	10.3	15.4	18.6	3.1	10.6	6.5	0.0	0.5

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.4	0.8	0.9	1.1	0.3	0.5	10.8	6.0	7.5	4.0	1.7	2.3
2	1.4	0.5	1.1	1.5	0.3	0.6	8.9	4.1	6.5	3.8	1.6	2.6
3	1.4	0.6	0.9	1.0	0.3	0.6	15.0	2.9	6.3	4.0	1.5	2.9
4	1.5	0.8	1.0	1.2	0.4	0.8	2.9	1.1	1.7	5.5	2.8	3.5
5	2.8	0.9	1.4	1.5	0.7	1.1	2.1	0.7	1.3	5.4	3.0	4.2
6	3.7	1.2	1.8	1.9	0.8	1.5	2.0	0.9	1.4	5.9	3.0	4.6
7	3.3	1.3	2.0	2.2	1.1	1.4	2.5	0.8	1.3	6.2	3.9	4.6
8	3.2	1.1	2.0	4.5	1.3	2.0	1.8	0.7	1.4	6.2	3.8	4.3
9	2.6	1.0	1.7	3.3	1.5	2.2	2.2	1.0	1.7	5.3	3.6	4.1
10	3.6	1.8	2.2	4.6	1.6	2.4	3.7	2.1	2.8	8.9	1.2	3.8
11	3.9	0.7	2.0	4.7	1.8	3.0	4.5	0.9	2.5	1.3	0.2	0.6
12	1.2	0.4	0.7	6.3	1.8	3.1	1.4	0.8	1.1	0.2	0.1	0.1
13	0.8	0.3	0.5	6.7	1.8	4.0	2.6	0.8	1.3	0.1	0.1	0.1
14	0.4	0.2	0.3	5.8	2.7	4.0	3.0	1.1	1.8	0.3	0.1	0.2
15	1.3	0.3	0.6	6.4	3.1	3.8	2.3	1.5	1.8	0.3	0.1	0.3
16	0.5	0.3	0.4	8.3	2.6	4.1	2.0	0.8	1.4	0.4	0.3	0.3
17	1.0	0.5	0.7	4.7	2.5	3.7	2.3	1.0	1.6	0.5	0.3	0.4
18	1.8	0.2	0.7	8.1	3.2	4.8	3.9	1.2	2.1	0.6	0.2	0.4
19	0.7	0.2	0.4	10.2	3.5	5.3	3.8	0.6	1.3	0.6	0.3	0.5
20	1.1	0.2	0.3	8.9	4.6	6.4	1.6	0.7	1.1	0.6	0.4	0.5
21	1.6	0.2	0.8	9.3	4.1	6.5	2.9	1.0	1.6	0.6	0.4	0.5
22	1.6	0.3	0.8	10.9	5.1	6.5	4.2	1.1	2.2	0.6	0.2	0.3
23	1.1	0.5	0.7	9.1	3.8	6.2	2.5	1.1	1.8	0.6	0.2	0.3
24	1.1	0.4	0.7	10.3	2.8	5.5	5.1	1.2	2.1	0.5	0.2	0.3
25	1.2	0.6	0.8	8.7	2.8	5.9	3.7	1.2	2.1	0.6	0.3	0.4
26	1.2	0.5	0.7	8.9	5.4	7.0	3.1	0.5	1.7	0.6	0.2	0.5
27	0.9	0.2	0.5	8.3	6.1	7.0	2.7	0.6	1.4	0.6	0.3	0.5
28	0.4	0.2	0.2	9.5	5.8	6.9	2.9	0.6	1.1	0.8	0.3	0.5
29	---	---	---	11.5	5.8	7.6	2.8	0.8	1.6	0.8	0.4	0.6
30	---	---	---	13.0	5.6	7.6	2.8	1.2	2.0	0.8	0.5	0.7
31	---	---	---	13.1	6.0	8.4	---	---	---	1.1	0.6	0.9
Month	3.9	0.2	1.0	13.1	0.3	4.2	15.0	0.5	2.2	8.9	0.1	1.5

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1.2	0.7	0.9	11.2	4.5	7.0	17.9	14.9	16.8	18.7	12.4	16.2
2	1.1	0.4	0.7	13.2	5.2	10.3	18.5	15.7	17.2	17.7	12.4	15.1
3	0.9	0.4	0.6	13.2	6.9	10.7	19.0	15.7	17.7	19.0	14.0	16.0
4	1.0	0.4	0.7	17.5	6.9	13.6	20.0	15.7	17.7	17.2	12.2	14.7
5	2.5	0.6	1.4	19.0	7.6	11.4	19.0	15.1	16.9	18.5	13.0	16.2
6	4.8	0.8	2.4	19.7	7.9	14.3	19.2	15.1	17.5	18.6	14.0	16.2
7	3.9	1.1	2.4	19.4	10.8	14.4	19.8	15.8	17.7	17.4	12.8	14.7
8	3.6	1.1	2.4	17.2	10.8	14.0	19.9	15.8	17.8	17.9	13.3	15.7
9	3.6	1.3	2.3	17.4	11.2	14.4	20.9	16.9	18.8	17.9	13.0	15.0
10	3.0	1.0	2.0	17.4	11.2	14.2	23.7	17.4	19.8	18.8	14.3	16.4
11	3.1	0.9	1.9	15.3	9.6	13.0	23.5	16.1	19.2	19.5	13.3	16.3
12	3.6	1.3	1.9	15.0	10.1	12.3	24.1	16.6	19.5	18.0	13.1	15.8
13	3.1	1.2	2.0	16.3	8.3	11.2	21.9	17.7	20.6	18.4	13.5	15.8
14	2.4	1.1	1.6	12.9	8.9	11.0	21.9	16.1	19.5	17.9	11.9	14.9
15	2.4	1.0	1.5	14.9	8.6	10.2	22.5	18.1	20.4	16.6	13.2	15.1
16	3.1	1.6	2.2	15.4	9.0	12.4	25.2	19.5	22.1	18.1	13.3	16.1
17	2.8	1.7	2.1	16.6	11.5	14.2	26.7	19.6	24.5	17.7	13.9	16.2
18	3.8	2.2	2.6	18.0	12.0	15.7	28.9	20.2	25.1	17.2	13.8	15.5
19	5.8	1.3	2.8	18.2	12.4	15.9	26.2	21.9	24.5	16.6	13.4	14.7
20	5.5	1.3	2.7	16.3	13.0	14.7	27.6	21.9	25.5	16.6	12.7	14.4
21	5.1	1.6	2.9	17.4	11.7	14.0	28.1	13.9	21.2	14.5	5.7	9.6
22	10.1	1.9	3.8	15.8	11.7	13.9	20.4	13.0	17.8	5.7	1.4	3.0
23	7.8	2.6	4.8	15.3	11.0	13.3	20.0	15.2	17.7	1.6	0.6	1.2
24	8.9	2.9	4.7	15.0	10.4	12.7	20.4	13.8	16.9	1.8	0.7	1.1
25	6.8	2.9	4.5	19.0	13.1	16.2	19.3	14.8	17.1	1.8	0.8	1.2
26	7.0	3.3	4.6	19.9	15.2	16.8	20.3	15.4	17.7	2.6	1.2	1.7
27	6.0	2.9	4.0	18.9	14.6	17.0	21.2	15.9	18.5	2.6	1.3	1.8
28	5.9	2.8	4.2	---	---	---	20.7	15.7	18.4	2.1	1.7	1.9
29	5.4	2.9	4.0	17.5	15.0	16.3	20.2	15.5	18.0	3.9	2.0	2.8
30	6.7	3.1	4.7	17.4	14.7	15.6	19.4	14.5	17.6	6.2	2.5	3.6
31	---	---	---	17.5	14.7	16.2	18.9	13.9	17.4	---	---	---
Month	10.1	0.4	2.6	---	---	---	28.9	13.0	19.3	19.5	0.6	11.3

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	27.3	26.2	26.7	23.4	22.7	23.1	19.0	17.4	17.9	14.0	13.1	13.5
2	26.5	25.8	26.1	24.5	22.4	23.2	19.7	17.9	18.6	13.1	12.1	12.5
3	26.3	25.4	26.0	24.2	22.6	23.3	20.0	18.3	19.3	12.3	11.8	12.0
4	26.4	25.1	26.0	23.6	22.3	23.0	19.7	18.9	19.2	11.8	11.2	11.5
5	27.0	25.5	26.2	23.1	22.3	22.5	19.6	18.5	19.2	11.2	10.7	10.9
6	26.7	26.1	26.4	22.7	20.7	22.1	19.9	19.0	19.4	10.7	10.4	10.6
7	26.7	24.9	25.8	22.0	21.2	21.7	19.5	18.9	19.1	10.6	10.3	10.4
8	26.9	25.1	26.0	21.6	19.4	20.8	19.9	18.9	19.2	11.5	10.4	10.8
9	26.7	24.2	25.5	20.5	18.6	19.6	20.5	19.0	19.4	12.8	10.8	11.4
10	25.9	24.4	25.3	20.9	19.4	20.2	20.1	18.4	19.0	14.9	11.6	13.3
11	26.0	25.0	25.5	20.9	20.2	20.5	18.5	16.9	17.7	15.7	14.9	15.3
12	26.1	25.6	26.0	21.2	20.5	20.8	18.2	15.5	17.2	16.8	15.7	16.2
13	26.6	25.2	25.9	20.6	18.9	19.6	18.1	15.0	17.1	17.0	16.4	16.8
14	26.4	25.8	26.1	20.7	17.8	19.3	18.1	14.4	15.9	16.4	14.9	15.6
15	26.4	25.5	26.0	20.4	18.0	19.3	17.8	14.8	16.8	14.9	13.4	14.2
16	26.0	24.8	25.6	19.4	18.1	18.9	17.9	16.9	17.5	13.4	11.9	12.6
17	25.8	24.4	25.2	19.5	17.1	18.8	17.7	17.2	17.5	11.9	11.0	11.2
18	25.8	25.2	25.5	19.3	17.1	18.6	18.0	16.7	17.5	11.0	10.4	10.6
19	25.5	24.4	25.2	19.1	17.9	18.7	18.5	16.9	17.7	10.5	10.1	10.3
20	25.4	24.0	24.8	19.2	18.5	18.9	18.5	16.3	17.4	11.5	10.0	10.2
21	25.2	23.8	24.7	19.5	18.6	19.1	16.9	15.2	16.2	13.2	10.1	10.6
22	25.4	24.0	24.8	19.4	18.4	18.9	16.7	15.0	15.9	14.2	10.3	10.9
23	25.1	24.0	24.7	19.2	18.1	18.7	16.3	15.4	15.8	13.9	10.7	11.5
24	25.3	24.8	25.0	18.6	17.4	18.0	16.9	16.2	16.5	13.9	11.1	12.0
25	25.4	24.7	25.1	18.2	15.7	17.1	17.8	16.4	17.0	15.2	11.6	12.7
26	25.3	23.7	24.9	18.6	16.6	17.4	16.4	14.8	15.4	15.8	12.4	13.4
27	23.7	22.6	23.1	18.7	17.8	18.3	15.4	14.0	14.7	16.6	13.2	14.6
28	23.5	21.7	22.5	18.1	16.9	17.6	15.5	13.9	14.9	17.7	14.3	15.3
29	23.5	21.4	22.6	17.7	16.7	17.2	16.0	13.9	14.8	17.9	15.3	16.8
30	23.1	20.8	22.2	17.9	16.4	17.3	14.9	13.9	14.3	17.9	14.8	16.2
31	22.9	21.2	22.3	---	---	---	13.9	13.0	13.5	15.0	14.3	14.7
Month	27.3	20.8	25.1	24.5	15.7	19.8	20.5	13.0	17.1	17.9	10.0	12.9

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	16.1	14.5	15.0	15.0	13.9	14.5	20.5	18.4	18.9	22.4	21.0	21.4
2	16.2	14.8	15.3	14.5	13.7	14.1	20.5	18.8	19.4	21.6	21.1	21.3
3	15.7	14.8	15.3	14.0	12.8	13.5	20.0	17.7	18.4	21.2	19.9	20.6
4	15.9	15.0	15.4	15.2	13.2	14.1	17.7	16.5	17.2	21.9	19.9	20.6
5	16.3	15.5	15.8	14.8	13.7	14.3	16.9	15.9	16.3	21.6	20.2	20.8
6	16.2	15.8	16.0	14.4	13.2	13.9	18.5	16.2	17.0	21.7	20.4	20.8
7	16.6	15.8	16.0	15.4	13.4	14.1	19.3	16.4	17.1	23.5	21.2	22.0
8	16.1	15.6	15.9	17.4	13.9	14.9	20.9	17.0	18.6	25.0	21.5	23.0
9	16.0	15.4	15.7	16.6	14.8	15.6	21.1	18.5	19.7	24.0	21.4	22.9
10	17.6	16.0	16.8	16.7	15.2	15.9	22.0	20.1	21.1	23.3	20.7	21.5
11	16.9	15.7	16.1	15.7	14.6	15.1	21.3	17.9	19.2	20.9	20.5	20.7
12	15.7	15.4	15.5	17.3	14.9	15.5	19.0	17.9	18.4	21.2	20.6	20.9
13	15.4	14.8	15.0	16.5	15.1	15.6	19.2	18.4	18.7	21.6	21.0	21.3
14	15.0	14.4	14.7	17.5	15.5	16.1	20.2	18.6	19.3	24.5	21.3	22.3
15	15.1	14.3	14.7	18.7	15.7	16.9	22.7	19.1	20.7	23.9	21.4	22.4
16	14.6	14.1	14.3	19.2	16.0	17.6	23.4	19.8	21.3	23.9	21.5	22.6
17	14.7	13.6	14.2	19.4	16.9	18.2	23.6	20.1	21.7	24.8	21.9	23.1
18	15.3	13.8	14.1	21.0	17.2	18.6	22.8	21.1	22.1	26.1	22.4	24.3
19	14.4	13.8	14.0	18.9	17.2	17.8	21.1	19.9	20.2	27.0	24.1	25.6
20	14.1	13.8	14.0	18.6	17.3	17.9	20.7	19.5	20.0	27.1	24.8	26.0
21	15.0	13.8	14.3	18.9	17.3	18.1	20.9	19.9	20.4	26.9	25.4	26.1
22	14.5	14.2	14.3	20.0	17.9	18.6	21.3	20.3	20.7	26.6	24.4	25.5
23	16.0	14.3	14.7	19.7	18.2	18.7	22.6	20.6	21.4	28.4	24.8	26.3
24	15.6	14.4	14.8	19.2	18.0	18.8	22.0	20.5	21.0	27.5	24.7	26.3
25	15.7	14.7	15.1	18.6	17.2	18.0	20.7	20.0	20.3	28.8	26.0	27.1
26	15.0	14.4	14.7	18.4	16.9	17.6	20.6	20.0	20.3	29.0	26.4	27.6
27	15.3	14.5	14.9	19.2	16.5	17.8	21.0	20.3	20.6	28.1	26.7	27.5
28	14.8	14.5	14.6	18.9	17.4	17.9	21.3	20.2	20.5	28.3	26.8	27.5
29	---	---	---	19.8	18.1	18.6	21.8	20.6	21.0	28.2	26.3	27.3
30	---	---	---	20.1	18.1	19.4	22.3	21.1	21.6	28.3	26.7	27.5
31	---	---	---	20.5	18.4	19.2	---	---	---	28.3	26.9	27.6
Month	17.6	13.6	15.0	21.0	12.8	16.7	23.6	15.9	19.8	29.0	19.9	23.9

08017044 Calcasieu River at I-10 at Lake Charles, LA—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	28.8	27.1	27.8	30.9	30.0	30.4	32.1	31.0	31.4	31.5	30.6	30.9
2	28.2	26.9	27.3	30.7	30.4	30.5	33.1	31.1	31.7	31.5	30.7	31.0
3	27.9	26.8	27.2	30.9	30.1	30.4	32.9	31.2	31.8	31.4	30.8	31.0
4	30.9	27.2	28.1	31.1	29.6	30.2	32.7	31.3	31.8	32.8	30.8	31.3
5	31.0	27.5	28.6	31.0	29.5	30.1	33.0	31.4	31.9	31.8	30.9	31.3
6	29.9	27.8	28.6	30.9	30.1	30.4	31.9	31.4	31.6	31.7	30.7	31.1
7	28.2	27.3	27.7	30.8	29.8	30.2	33.1	31.4	31.8	31.8	30.5	31.2
8	28.2	27.2	27.6	30.4	29.1	29.8	32.5	31.6	31.8	31.9	29.7	30.9
9	28.3	27.0	27.5	30.4	29.9	30.1	33.4	31.5	32.1	31.4	30.2	30.8
10	29.4	26.9	27.7	30.7	30.1	30.3	32.9	31.4	31.9	31.5	30.5	30.9
11	30.4	27.6	28.6	31.0	30.4	30.5	32.3	31.2	31.6	31.3	30.3	30.8
12	31.3	27.6	29.5	32.6	30.4	30.7	31.5	30.8	31.2	31.6	30.1	30.8
13	30.5	27.9	29.0	32.0	30.6	30.9	32.2	31.2	31.4	32.1	30.7	31.1
14	30.0	28.2	28.9	31.3	30.7	30.9	31.7	30.8	31.4	31.2	30.3	30.8
15	32.0	28.6	29.2	31.0	29.8	30.4	31.3	30.8	31.1	31.5	30.1	30.7
16	31.4	28.6	29.6	30.6	29.8	30.2	31.8	31.0	31.3	31.2	30.4	30.7
17	31.4	29.4	30.3	30.7	29.6	30.3	31.7	30.9	31.2	31.4	30.3	30.7
18	30.8	29.3	29.9	32.3	30.3	30.8	31.7	30.8	31.2	31.2	30.5	30.8
19	29.9	28.6	29.1	31.3	30.3	30.6	31.8	31.0	31.3	30.7	29.6	30.1
20	30.0	28.6	29.1	31.0	29.9	30.3	31.6	29.4	30.6	30.1	28.4	29.4
21	30.3	28.8	29.5	30.4	29.4	30.0	31.7	29.4	30.3	29.5	27.0	28.2
22	32.5	29.2	30.3	30.8	29.6	30.2	31.6	30.3	30.7	27.0	24.8	25.6
23	31.1	29.2	29.8	31.0	30.2	30.4	32.1	30.5	31.1	25.0	24.5	24.7
24	31.2	28.9	29.9	30.7	30.1	30.4	31.5	30.2	30.9	26.1	24.9	25.2
25	31.5	29.1	30.1	30.9	30.4	30.6	30.7	29.2	29.8	26.5	25.1	25.6
26	32.2	29.1	30.1	32.4	30.6	31.0	29.8	28.3	29.3	29.4	25.8	26.5
27	30.8	29.2	29.8	31.0	29.8	30.6	30.4	27.4	29.1	28.4	26.3	26.9
28	31.6	29.5	30.1	31.2	29.7	30.5	30.9	29.6	30.0	28.8	27.0	27.8
29	30.9	29.7	30.2	32.3	29.8	30.8	33.0	29.8	30.5	28.2	26.5	27.2
30	31.4	29.6	30.4	32.0	30.2	31.1	31.4	30.2	30.5	26.8	26.0	26.5
31	---	---	---	32.9	30.1	31.4	31.6	30.4	30.7	---	---	---
Month	32.5	26.8	29.1	32.9	29.1	30.5	33.4	27.4	31.1	32.8	24.5	29.4

	Max	Min	Mean
Year	33.4	10.0	22.6