Water-Data Report 2012

07369000 Bayou Lafourche near Crew Lake, LA

Boeuf-Tensas Basin
Boeuf Subbasin

LOCATION.--Lat 32°30′00″, long 91°55′05″ referenced to North American Datum of 1983, in NW ¼ SW ¼ sec.36, T.18 N., R.5 E., Richland Parish, LA, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Records fair, except for estimated days and discharges below 20 cfs, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Satellite telemetry at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--74 years, (water years 1939 to current) 1,880 ft/s, 1,362,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft^3/s, Nov. 2, 1991, gage height, 30.18 ft; maximum gage height, 30.34 ft, May 9, 1991. Maximum daily reverse flow 210 ft^3/s, Apr. 27, 1989; no flow at times in August, September, October 1952, and June 1984, result of pumping for irrigation. No flow Mar. 17, 1989, backwater from Ouachita River.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft^3/s was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg District).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,800 ft^3/s, Dec. 28, gage height, 24.84 ft; maximum gage height, 24.86 ft, Dec. 28; minimum discharge, 0.04 ft^3/s, Nov. 7, 8, gage height, -0.77 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07369000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07369000.2012.pdf

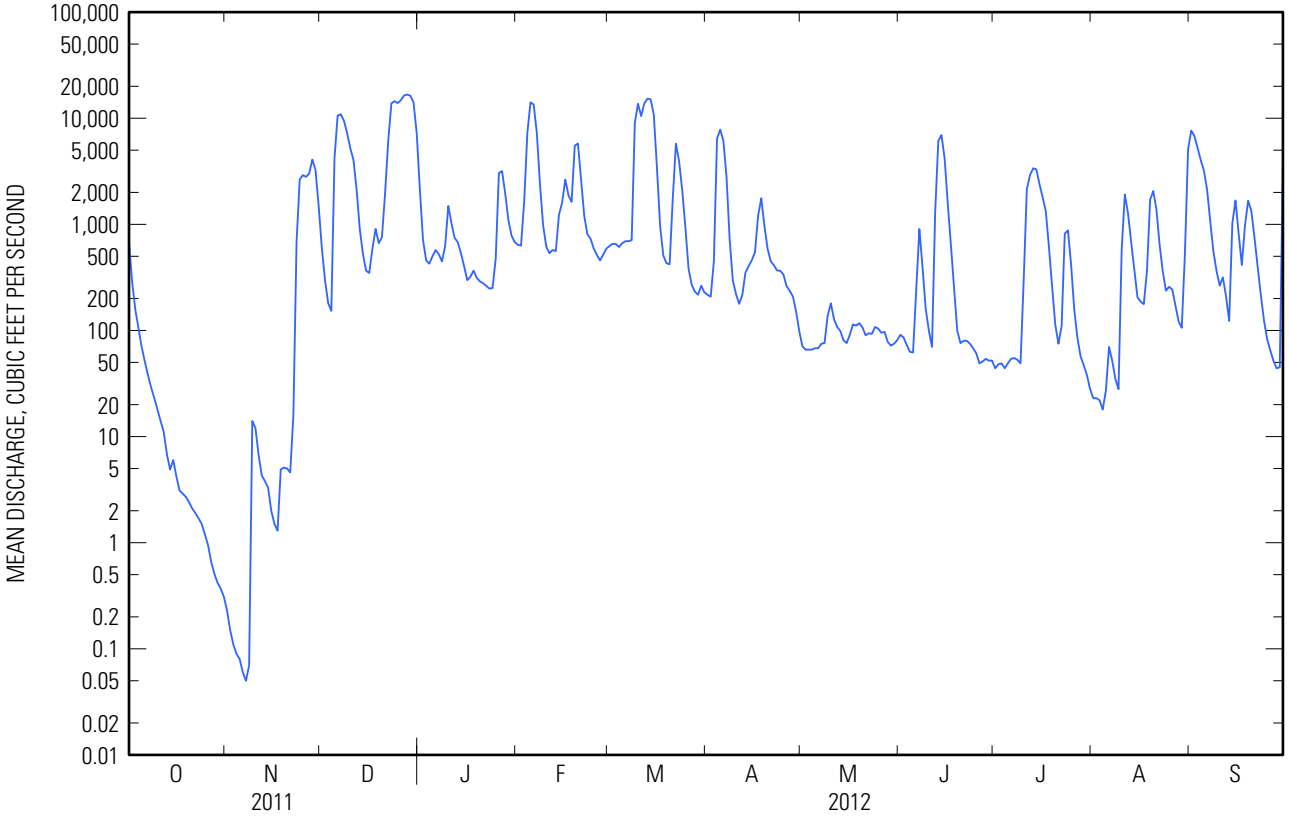
07369000 Bayou Lafourche near Crew Lake, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	671	e0.23	595	2,150	641	625	217	e71	91	44	23	7,650
2	285	e0.15	298	714	631	656	208	66	86	48	23	6,800
3	157	e0.11	181	457	1,630	653	448	66	73	49	22	5,260
4	105	e0.09	153	426	7,260	611	6,410	66	63	44	18	4,030
5	70	e0.08	4,210	500	14,100	665	7,800	68	62	49	27	3,220
6	51	e0.06	10,600	573	13,500	692	6,150	68	238	54	70	2,140
7	38	e0.05	10,900	523	7,270	695	2,810	75	903	55	52	1,080
8	29	0.07	9,450	448	2,370	709	718	76	397	53	35	559
9	23	14	7,220	624	972	9,050	295	138	161	49	28	363
10	18	12	5,220	1,490	615	13,700	220	180	100	297	580	265
11	14	6.7	4,050	1,020	534	10,500	178	128	70	2,140	1,910	316
12	11	4.3	2,120	747	574	13,800	216	108	1,300	2,920	1,270	211
13	6.8	3.8	902	677	560	15,300	352	99	6,120	3,370	679	123
14	4.9	3.3	525	534	1,230	15,100	404	81	6,940	3,300	373	1,020
15	6.0	2.0	365	403	1,600	10,800	459	76	4,150	2,390	205	1,680
16	4.2	1.5	348	e298	2,640	3,410	546	91	1,550	1,800	187	813
17	3.1	1.3	592	e321	1,880	964	1,210	114	627	1,320	177	414
18	2.9	4.9	905	e366	1,630	510	1,760	111	247	608	366	978
19	2.7	5.1	665	e313	5,510	430	962	117	99	257	1,710	1,670
20	2.4	5.0	753	e290	5,780	421	589	107	76	113	2,060	1,340
21	e2.1	4.6	1,950	e279	2,640	1,740	447	90	80	75	1,370	754
22	e1.9	16	6,110	e263	1,200	5,750	412	94	80	110	638	400
23	e1.7	681	13,800	e248	805	3,930	367	93	75	818	360	218
24	e1.5	2,650	14,500	e251	732	2,090	365	108	68	878	237	125
25	e1.2	2,910	13,900	e476	593	928	337	104	61	417	258	83
26	e0.95	2,800	14,800	3,040	515	382	262	95	49	157	243	65
27	e0.66	3,020	16,400	3,180	457	269	e236	97	51	85	172	52
28	e0.51	4,080	16,700	1,960	519	232	e209	78	54	57	122	44
29	e0.42	3,240	16,300	1,100	591	217	e152	72	52	47	106	45
30	e0.37	1,480	14,100	784	---	264	e99	75	52	38	530	3,720
31	e0.31	---	7,290	681	---	229	---	81	---	28	5,110	---
Total	1,516.62	20,946.34	195,902	25,136	78,979	115,322	34,838	2,893	23,975	21,670	18,961	45,438
Mean	48.9	698	6,319	811	2,723	3,720	1,161	93.3	799	699	612	1,515
Max	671	4,080	16,700	3,180	14,100	15,300	7,800	180	6,940	3,370	5,110	7,650
Min	0.31	0.05	153	248	457	217	99	66	49	28	18	44
Ac-ft	3,010	41,550	388,600	49,860	156,700	228,700	69,100	5,740	47,550	42,980	37,610	90,130

	Calendar Year 2011	Water Year 2012
Total	401,347.96	585,576.96
Mean	1,100	1,600
Max	16,700	16,700
Min	0.05	0.05
Ac-ft	796,100	1,161,000

07369000 Bayou Lafourche near Crew Lake, LA—Continued



07369000 Bayou Lafourche near Crew Lake, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.94	e-0.64	3.15	15.99	3.45	3.39	8.89	e0.82	0.88	0.51	0.24	16.42
2	1.49	e-0.68	1.82	12.87	3.68	3.56	8.79	0.71	0.85	0.54	0.25	16.06
3	1.00	e-0.70	1.33	11.11	6.61	3.58	8.91	0.71	0.76	0.55	0.22	13.94
4	0.77	e-0.71	1.20	9.59	15.96	3.31	15.17	0.71	0.68	0.51	0.15	11.70
5	0.57	e-0.73	9.37	8.12	22.69	3.21	17.60	0.72	0.68	0.56	0.28	9.95
6	0.44	e-0.74	18.10	6.63	22.88	3.18	16.38	0.72	1.34	0.60	0.74	7.47
7	0.33	e-0.76	19.14	5.20	19.55	3.18	12.94	0.77	3.43	0.61	0.58	4.53
8	0.24	-0.75	18.19	4.03	13.82	3.39	10.30	0.78	1.97	0.60	0.41	2.64
9	0.18	0.00	16.07	4.45	11.13	16.80	9.29	1.08	1.21	0.56	0.31	1.86
10	0.11	0.06	13.55	8.55	9.65	22.42	8.60	1.28	0.93	1.55	2.39	1.55
11	0.05	-0.09	11.66	7.91	8.30	21.31	7.93	1.08	0.73	6.23	5.88	1.72
12	-0.01	-0.20	8.33	6.44	7.07	23.52	7.42	0.98	4.02	8.40	4.66	1.38
13	-0.12	-0.23	4.74	5.26	6.01	24.40	6.94	0.93	13.14	9.34	2.94	1.06
14	-0.18	-0.26	2.92	4.00	6.79	24.42	6.41	0.81	15.42	9.36	1.89	3.50
15	-0.12	-0.36	2.14	2.85	7.52	23.03	5.94	0.78	12.25	7.70	1.36	5.53
16	-0.21	-0.41	2.05	e2.16	9.99	18.43	6.17	0.88	6.67	6.29	1.31	3.39
17	-0.27	-0.44	2.92	e2.11	9.22	14.21	7.71	1.01	3.14	4.97	1.28	2.02
18	-0.29	-0.18	4.00	e2.35	9.00	12.18	9.27	0.99	1.51	2.78	1.85	3.54
19	-0.30	-0.16	3.32	e2.03	15.42	10.76	7.71	1.03	0.92	1.53	5.45	5.49
20	-0.32	-0.17	3.51	e1.84	16.46	9.49	6.43	0.98	0.78	1.00	6.60	4.82
21	e-0.35	-0.19	7.12	e1.75	12.91	11.07	5.69	0.87	0.81	0.77	5.12	3.19
22	e-0.37	0.06	12.93	e1.67	10.28	16.79	5.05	0.90	0.81	0.97	2.92	1.98
23	e-0.39	2.74	21.72	e1.61	8.82	14.74	4.33	0.89	0.77	3.16	1.86	1.40
24	e-0.40	7.82	22.71	e1.62	7.52	11.98	3.79	0.98	0.72	3.40	1.46	1.06
25	e-0.44	8.65	22.82	e2.39	6.12	10.23	3.32	0.95	0.67	2.03	1.53	0.83
26	e-0.48	8.57	23.62	9.56	4.89	9.32	2.72	0.90	0.56	1.19	1.48	0.69
27	e-0.53	9.02	24.57	10.83	3.86	8.92	e2.36	0.92	0.58	0.84	1.25	0.59
28	e-0.56	10.74	24.82	8.78	3.36	8.78	e2.00	0.79	0.61	0.63	1.05	0.51
29	e-0.58	9.78	24.74	6.20	3.25	8.80	e1.54	0.75	0.58	0.54	0.97	0.52
30	e-0.59	6.17	24.10	4.52	---	9.03	e1.11	0.77	0.59	0.44	2.18	8.92
31	e-0.61	---	21.11	3.75	---	8.94	---	0.81	---	0.32	11.60	---
Max	2.94	10.74	24.82	15.99	22.88	24.42	17.60	1.28	15.42	9.36	11.60	16.42
Min	-0.61	-0.76	1.20	1.61	3.25	3.18	1.11	0.71	0.56	0.32	0.15	0.51