Water-Data Report 2013

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.--75 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, 16,000 ft^3/s, Jan. 16, gage height, 26.25 ft; maximum gage height, 26.26 ft, Jan. 16; minimum discharge, 15 ft^3/s, Nov. 9, gage height, 0.10 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12,300	40	76	4,930	12,000	2,650	3,310	1,570	184	244	147	36
2	13,000	35	61	9,200	8,640	1,370	4,940	6,240	2,480	156	85	36
3	12,800	32	49	8,360	3,510	961	3,010	5,800	6,050	141	61	31
4	11,500	38	45	5,130	1,550	718	2,100	5,480	3,870	140	50	32
5	5,930	53	776	2,310	1,230	669	2,770	2,840	1,700	130	69	43
6	1,940	43	1,800	1,530	1,150	732	2,670	1,320	1,590	106	92	51
7	704	31	1,550	1,170	1,130	654	1,690	907	2,670	87	89	55
8	669	24	840	956	1,040	594	877	702	2,280	89	82	83
9	704	22	512	1,090	1,050	541	522	515	1,220	100	64	117
10	511	26	3,420	9,630	3,170	512	371	498	896	105	48	122
11	342	31	6,620	13,300	10,100	525	6,020	1,430	608	97	41	102
12	199	35	4,340	13,600	11,400	554	12,600	1,520	534	101	53	76
13	132	30	2,140	14,200	11,900	575	12,900	820	575	91	44	58
14	126	32	1,130	15,000	9,770	510	11,900	557	574	81	40	45
15	506	77	644	15,500	4,850	445	8,040	339	500	125	289	39
16	1,130	141	1,040	15,800	2,250	402	2,790	221	445	226	950	35
17	824	100	5,050	15,300	1,240	376	822	159	525	177	613	32
18	570	76	4,700	14,300	901	353	699	409	736	143	332	32
19	1,650	62	2,240	12,600	3,590	342	5,740	1,720	1,330	240	277	37
20	1,460	51	1,120	9,030	5,040	332	8,020	2,310	791	1,040	165	55
21	826	42	717	3,840	3,130	320	5,450	1,830	512	1,010	95	102
22	428	41	458	1,130	1,840	327	2,080	1,150	413	593	82	1,420
23	221	39	312	642	1,430	1,520	933	2,580	458	247	70	2,790
24	142	36	230	529	1,430	6,130	858	3,300	392	112	57	2,230
25	103	32	838	473	1,140	8,480	1,880	1,620	333	74	53	4,760
26	81	32	5,610	436	3,740	6,910	1,110	595	365	69	48	4,570
27	67	475	6,110	474	6,300	3,480	677	304	339	1,210	43	2,160
28	58	829	4,620	652	5,250	1,460	547	235	293	2,110	41	882
29	53	259	4,420	909	---	868	459	243	460	1,170	47	476
30	48	111	4,240	7,570	---	630	466	238	419	656	43	357
31	42	---	3,570	12,000	---	646	---	209	---	316	36	---
Total	69,066	2,875	69,278	211,591	119,771	44,586	106,251	47,661	33,542	11,186	4,206	20,864
Mean	2,228	95.8	2,235	6,826	4,278	1,438	3,542	1,537	1,118	361	136	695
Max	13,000	829	6,620	15,800	12,000	8,480	12,900	6,240	6,050	2,110	950	4,760
Min	42	22	45	436	901	320	371	159	184	69	36	31
Ac-ft	137,000	5,700	137,400	419,700	237,600	88,440	210,700	94,540	66,530	22,190	8,340	41,380

	Calendar Year 2012	Water Year 2013
Total	508,431	740,877
Mean	1,389	2,030
Max	15,300	15,800
Min	18	22
Ac-ft	1,008,000	1,470,000

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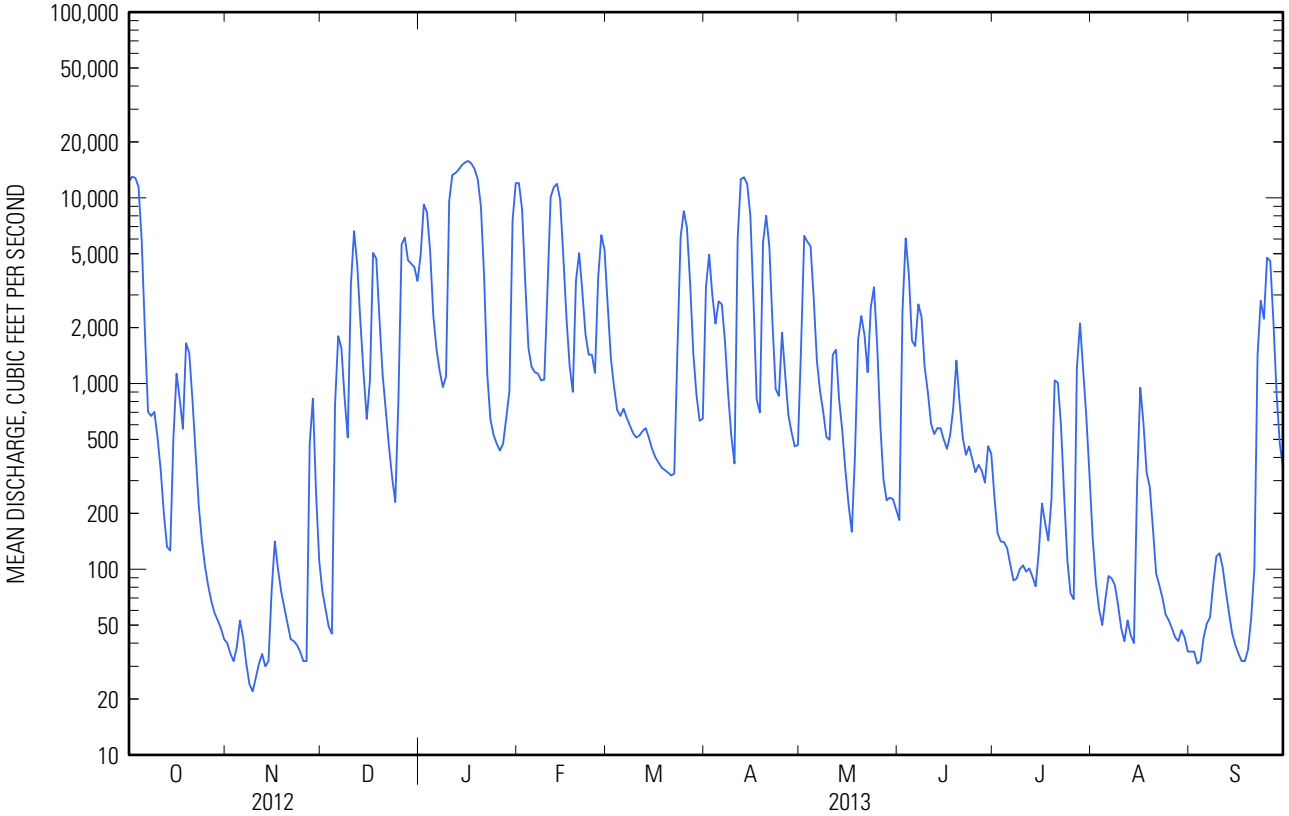

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.98	0.46	0.78	13.34	23.61	10.12	8.54	4.98	1.32	1.49	0.96	0.23
2	24.16	0.40	0.67	19.74	21.71	6.74	12.42	14.03	6.81	1.21	0.65	0.23
3	24.32	0.37	0.56	19.76	15.72	5.09	9.75	14.37	13.42	1.15	0.48	0.16
4	23.76	0.45	0.52	16.38	11.44	3.91	7.52	15.01	11.15	1.14	0.38	0.18
5	20.07	0.60	2.82	11.76	9.68	3.33	8.51	11.83	6.87	1.09	0.54	0.31
6	13.85	0.50	5.69	9.40	8.32	3.37	8.49	8.93	5.78	0.97	0.70	0.38
7	10.48	0.35	5.25	7.50	7.07	3.12	6.39	6.90	7.86	0.86	0.68	0.42
8	8.36	0.25	3.44	5.88	5.94	2.87	4.07	5.18	7.42	0.87	0.63	0.64
9	6.15	0.22	2.34	5.34	5.13	2.66	2.75	3.59	4.89	0.94	0.50	0.84
10	3.94	0.29	8.20	19.90	8.81	2.53	2.10	3.13	3.94	0.96	0.35	0.86
11	2.26	0.35	14.92	24.80	20.87	2.54	13.11	5.21	2.97	0.91	0.29	0.76
12	1.37	0.41	12.48	25.31	23.03	2.59	23.58	5.73	2.59	0.94	0.41	0.59
13	1.10	0.34	8.26	25.62	23.99	2.62	24.12	3.74	2.68	0.88	0.32	0.45
14	1.07	0.37	5.02	25.91	23.13	2.38	23.69	2.68	2.66	0.82	0.27	0.33
15	2.29	0.72	3.06	26.13	19.22	2.15	21.09	1.80	2.38	1.03	1.30	0.27
16	4.04	1.15	3.79	26.25	14.68	2.01	14.33	1.41	2.17	1.43	3.54	0.22
17	3.35	0.93	12.38	26.19	12.44	1.90	10.40	1.21	2.46	1.28	2.50	0.18
18	2.51	0.78	13.21	26.00	10.88	1.83	8.94	1.97	3.12	1.15	1.57	0.18
19	5.23	0.68	9.13	25.62	12.58	1.80	14.79	5.48	5.33	1.46	1.40	0.24
20	5.07	0.58	5.60	24.34	14.62	1.76	18.35	7.07	4.09	3.78	1.04	0.42
21	3.42	0.49	3.52	21.40	11.93	1.73	15.98	6.28	2.92	3.77	0.71	0.75
22	2.08	0.47	2.27	17.68	9.24	1.75	11.17	4.64	2.32	2.59	0.63	4.41
23	1.41	0.45	1.70	15.24	7.67	4.49	8.49	7.43	2.40	1.49	0.55	7.85
24	1.14	0.42	1.44	13.76	6.93	13.14	7.34	9.22	2.15	1.00	0.44	6.92
25	0.95	0.38	3.08	12.57	5.73	17.34	8.43	6.14	1.91	0.77	0.41	11.14
26	0.82	0.37	13.79	11.39	9.94	16.29	6.84	3.01	2.00	0.73	0.36	11.80
27	0.71	1.99	15.97	10.35	14.87	11.41	5.40	1.84	1.89	3.88	0.31	7.48
28	0.64	3.27	14.13	9.51	14.18	6.56	4.43	1.60	1.68	6.53	0.29	3.77
29	0.60	1.53	13.35	8.93	---	4.10	3.62	1.66	2.20	4.43	0.35	2.07
30	0.55	0.99	12.73	17.81	---	3.01	3.17	1.64	2.06	2.71	0.31	1.65
31	0.49	---	11.41	23.26	---	2.93	---	1.48	---	1.52	0.23	---
Max	24.32	3.27	15.97	26.25	23.99	17.34	24.12	15.01	13.42	6.53	3.54	11.80
Min	0.49	0.22	0.52	5.34	5.13	1.73	2.10	1.21	1.32	0.73	0.23	0.16