Water-Data Report 2013

08028000 Bayou Anacoco near Rosepine, LA

Sabine Basin
Lower Sabine Subbasin

LOCATION.--Lat 30°57′10″, long 93°21′10″ referenced to North American Datum of 1927, in sec.25, T.1 S., R.10 W., Vernon Parish, LA, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above NGVD of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good above 10 ft^3/s and fair below. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,000 acre-ft) since May 1963. Effected by occasional regulation July to September in most years caused by temporary lowering of the reservoirs upstream.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 08028000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/08028000.2013.pdf

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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	80	3.7	8.4	680	284	485	86	180	58	17	9.7	4.1
2	53	4.3	7.7	1,370	210	394	104	152	59	16	12	3.3
3	35	4.3	7.4	630	165	321	232	133	79	16	9.9	6.6
4	29	4.5	9.0	156	141	265	482	113	81	16	8.8	29
5	25	8.5	18	116	128	224	375	95	72	16	8.0	19
6	15	8.6	19	398	123	207	281	83	66	15	6.8	13
7	10	8.1	16	341	142	177	218	72	88	14	6.1	7.8
8	8.0	5.1	17	187	134	155	180	66	182	14	5.5	6.4
9	6.8	4.1	29	856	123	140	160	61	204	14	5.0	6.9
10	6.2	3.5	43	2,950	362	132	132	2,210	194	13	6.2	5.1
11	5.8	5.0	45	2,750	1,950	150	1,310	1,940	174	12	14	4.2
12	5.7	15	34	1,770	2,450	144	3,030	1,070	147	12	15	3.9
13	5.3	25	20	703	2,850	134	3,370	577	119	10	14	3.6
14	5.2	18	14	1,070	2,490	121	3,050	351	102	9.5	11	3.3
15	5.9	11	13	1,520	1,610	108	1,570	236	93	9.9	9.8	2.7
16	5.7	8.6	39	1,590	1,100	102	968	177	80	9.8	19	2.5
17	5.2	7.4	230	1,320	791	98	690	136	63	9.8	15	2.5
18	5.4	7.3	132	1,000	604	96	506	111	62	11	8.9	2.4
19	4.7	6.9	59	751	1,210	98	450	96	66	21	7.1	2.4
20	4.7	6.7	42	580	1,650	96	375	81	52	17	5.8	11
21	4.6	6.7	35	458	1,100	91	305	72	45	19	5.1	86
22	4.3	6.1	29	366	1,610	83	248	68	40	16	5.5	106
23	4.6	6.1	21	293	1,840	80	201	75	38	13	5.8	52
24	4.1	6.4	19	248	1,210	82	383	79	34	11	5.2	63
25	4.8	7.0	50	217	852	77	521	71	31	10	4.7	178
26	4.3	7.2	487	194	736	70	418	63	30	8.9	5.8	80
27	4.0	7.4	283	175	704	65	346	66	26	8.8	7.7	43
28	4.1	7.0	126	157	594	60	289	71	24	11	6.6	29
29	4.0	6.9	463	145	---	58	246	68	21	27	6.8	24
30	3.7	8.4	256	303	---	57	207	65	19	16	6.3	51
31	3.6	---	84	414	---	61	---	60	---	10	5.2	---
Total	367.7	234.8	2,655.5	23,708	27,163	4,431	20,733	8,698	2,349	423.7	262.3	851.7
Mean	11.9	7.83	85.7	765	970	143	691	281	78.3	13.7	8.46	28.4
Max	80	25	487	2,950	2,850	485	3,370	2,210	204	27	19	178
Min	3.6	3.5	7.4	116	123	57	86	60	19	8.8	4.7	2.4
Ac-ft	729	466	5,270	47,020	53,880	8,790	41,120	17,250	4,660	840	520	1,690
Cfsm	0.03	0.02	0.23	2.10	2.66	0.39	1.89	0.77	0.21	0.04	0.02	0.08
In.	0.04	0.02	0.27	2.42	2.77	0.45	2.11	0.89	0.24	0.04	0.03	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	192	384	667	739	914	736	678	556	273	218	137	154
Max	2,199	2,573	6,006	2,741	4,220	3,173	2,402	6,181	2,628	2,665	2,286	1,698
(WY)	(2007)	(2003)	(1983)	(1990)	(1966)	(2012)	(1952)	(1953)	(1989)	(1989)	(1955)	(1958)
Min	4.24	7.83	18.3	25.8	24.6	92.7	19.3	8.27	8.38	6.75	2.86	9.18
(WY)	(2012)	(2013)	(2011)	(2000)	(2000)	(2000)	(2011)	(2011)	(2011)	(2011)	(2011)	(1993)

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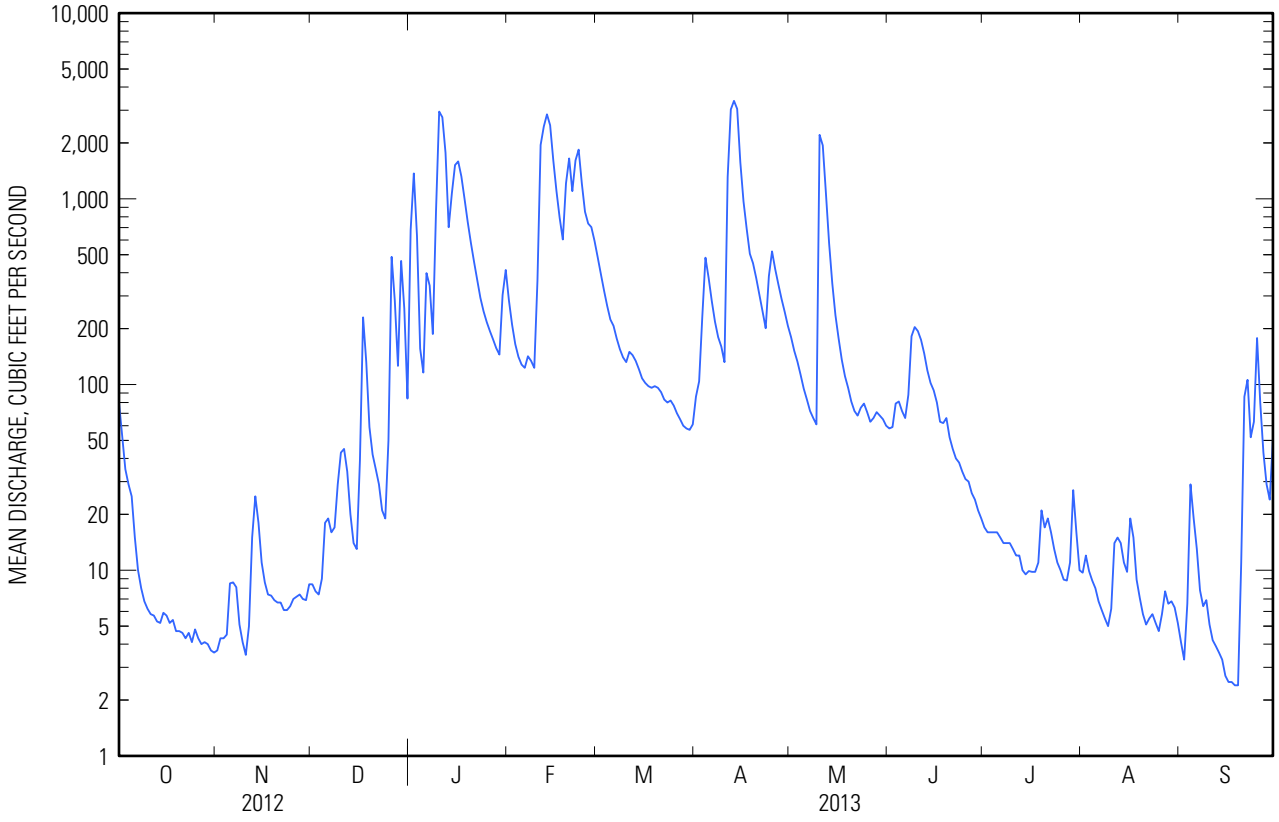
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1952 - 2013	
Annual total	199,325.2		91,877.7			
Annual mean	545		252		469	
Highest annual mean					1,265	1983
Lowest annual mean					27.0	2011
Highest daily mean	25,900	Mar 22	3,370	Apr 13	49,900	Apr 30, 1953
Lowest daily mean	3.5	Nov 10	[b]2.4	Sep 18	0.56	Sep 2, 2011
Annual seven-day minimum	3.9	Oct 26	2.8	Sep 13	1.1	Aug 17, 2011
Maximum peak flow			3,500	Apr 13	64,300	May 19, 1953
Maximum peak stage			16.41	Apr 13	28.38	May 19, 1953
Instantaneous low flow			[c]2.1	Sep 15	[a]0.37	Aug 23, 2011
Annual runoff (ac-ft)	395,400		182,200		339,500	
Annual runoff (cfsm)	1.49		0.690		1.28	
Annual runoff (inches)	20.31		9.36		17.44	
10 percent exceeds	1,040		703		1,070	
50 percent exceeds	72		58		137	
90 percent exceeds	6.0		5.2		18	

[a] Also occurred Sep. 2, 2011.
[b] Also occurred Sep. 19.
[c] Also occurred Sep. 16-20.



08028000 Bayou Anacoco near Rosepine, LA—Continued

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	3.58	2.76	2.82	6.67	5.06	6.06	3.56	4.36	3.31	2.86	2.80	2.72
2	3.28	2.78	2.81	9.75	4.59	5.59	3.72	4.17	3.32	2.85	2.82	2.70
3	3.06	2.78	2.81	6.78	4.28	5.18	4.60	4.02	3.54	2.86	2.80	2.76
4	3.01	2.78	2.82	4.20	4.10	4.84	6.04	3.87	3.56	2.86	2.79	2.96
5	2.98	2.84	2.90	3.89	4.01	4.59	5.48	3.69	3.48	2.86	2.78	2.89
6	2.90	2.84	2.91	5.66	3.96	4.48	4.94	3.58	3.40	2.85	2.77	2.83
7	2.86	2.83	2.88	5.37	4.11	4.29	4.55	3.47	3.63	2.84	2.76	2.78
8	2.83	2.79	2.90	4.43	4.05	4.13	4.30	3.41	4.40	2.84	2.75	2.77
9	2.82	2.77	2.99	7.71	3.96	4.03	4.17	3.34	4.55	2.84	2.74	2.78
10	2.81	2.76	3.14	14.74	5.20	3.97	3.97	12.35	4.49	2.83	2.76	2.75
11	2.80	2.78	3.17	14.11	11.69	4.10	8.96	11.65	4.35	2.83	2.84	2.73
12	2.80	2.89	3.04	11.11	13.20	4.06	14.96	8.65	4.15	2.82	2.85	2.73
13	2.80	2.95	2.92	7.14	14.40	3.98	16.01	6.58	3.93	2.81	2.84	2.72
14	2.79	2.90	2.87	8.66	13.31	3.88	15.02	5.44	3.76	2.80	2.81	2.71
15	2.80	2.85	2.86	10.29	10.58	3.77	10.40	4.76	3.68	2.80	2.80	2.71
16	2.80	2.82	3.13	10.53	8.79	3.71	8.21	4.36	3.56	2.80	2.88	2.70
17	2.79	2.81	4.68	9.58	7.55	3.67	7.04	4.06	3.36	2.80	2.85	2.70
18	2.80	2.81	4.01	8.40	6.72	3.66	6.18	3.86	3.35	2.82	2.79	2.70
19	2.78	2.80	3.32	7.38	9.15	3.67	5.90	3.71	3.39	2.90	2.77	2.70
20	2.78	2.80	3.11	6.61	10.73	3.65	5.50	3.57	3.23	2.86	2.75	2.81
21	2.78	2.80	3.03	6.01	8.77	3.61	5.11	3.48	3.15	2.88	2.74	3.61
22	2.78	2.79	2.98	5.52	10.54	3.53	4.77	3.43	3.08	2.86	2.75	3.80
23	2.78	2.79	2.91	5.11	11.30	3.51	4.48	3.51	3.05	2.83	2.75	3.23
24	2.77	2.79	2.91	4.84	9.14	3.53	5.49	3.55	3.01	2.81	2.74	3.32
25	2.79	2.80	3.21	4.64	7.73	3.48	6.27	3.46	2.98	2.81	2.73	4.37
26	2.78	2.80	6.12	4.48	7.23	3.41	5.76	3.36	2.97	2.79	2.75	3.54
27	2.77	2.81	4.99	4.35	7.10	3.34	5.37	3.40	2.94	2.79	2.78	3.12
28	2.77	2.80	3.96	4.22	6.60	3.29	5.05	3.46	2.92	2.82	2.77	2.97
29	2.77	2.80	6.02	4.14	---	3.27	4.78	3.43	2.90	2.94	2.77	2.94
30	2.76	2.82	4.84	5.12	---	3.25	4.54	3.38	2.88	2.86	2.76	3.22
31	2.76	---	3.59	5.78	---	3.30	---	3.33	---	2.81	2.74	---
Max	3.58	2.95	6.12	14.74	14.40	6.06	16.01	12.35	4.55	2.94	2.88	4.37
Min	2.76	2.76	2.81	3.89	3.96	3.25	3.56	3.33	2.88	2.79	2.73	2.70