Water-Data Report 2012

07349860 Red Chute Bayou at Sligo, LA

Red-Saline Basin
Red Chute Subbasin

LOCATION.--Lat 32°26′50″, long 93°35′40″ referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.22, T.17 N., R.12 W., Bossier Parish, LA, Hydrologic Unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximums, water years 1960-80. July 1980 to current year.

REVISED RECORDS.--WDR LA-82-1: 1968-80(M).

GAGE.--Water-stage recorder. Datum of gage is 119.86 ft above NAVD of 1988. Prior to Oct. 1, 2007, datum of gage is 120.00 ft above NGVD of 1929. Dec. 1, 1959 to July 10, 1980, crest-stage indicator at same site. Dec. 1, 1966 to July 10, 1980 at datum 121.26 ft lower and prior to Dec. 1, 1966 at sea level.

REMARKS.--Records good. Satellite telemetry and rain gage at site.

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 07349860, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07349860.2012.pdf

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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	e2.8	17	59	393	288	454	2,240	1,650	e20	e5.8	e1.4	4.5
2	e2.6	24	58	394	290	443	2,220	1,580	e28	e5.5	e1.3	4.4
3	e2.5	27	56	388	302	430	2,200	1,500	33	e4.7	e1.3	4.6
4	e2.5	29	86	378	383	410	2,310	1,410	31	4.2	e1.3	4.4
5	e2.5	33	214	364	436	385	2,320	1,320	28	4.2	e1.3	4.3
6	e2.5	34	179	344	406	360	2,320	1,230	25	4.2	e1.3	4.2
7	e2.4	31	148	319	362	333	2,320	1,130	23	4.4	e1.5	4.4
8	e2.4	29	171	292	322	310	2,320	1,030	20	4.1	e1.4	4.5
9	e2.4	27	170	306	287	365	2,300	953	17	4.0	e1.3	4.4
10	e2.4	10	177	337	264	387	2,280	877	15	4.0	e1.3	4.4
11	e2.4	16	186	330	256	521	2,270	805	13	35	e1.2	4.5
12	e2.4	17	192	327	245	1,010	2,250	738	14	30	e1.2	4.5
13	e2.4	14	193	306	239	1,080	2,230	665	14	9.4	e1.2	4.8
14	e2.4	11	187	283	249	1,110	2,200	593	15	5.3	e1.2	14
15	e2.4	8.9	176	270	251	1,080	2,180	518	16	4.2	e1.6	18
16	e2.4	7.6	169	264	268	997	2,190	441	12	3.7	2.6	22
17	e2.4	5.9	158	265	260	984	2,170	364	e11	3.4	12	107
18	e2.5	4.8	141	264	332	1,010	2,150	289	e9.9	3.0	20	89
19	2.7	4.1	126	258	537	1,020	2,120	221	e9.3	3.1	7.9	55
20	2.6	10	120	246	585	1,070	2,090	157	e9.0	3.5	5.0	44
21	2.6	19	107	245	594	2,430	2,130	103	e8.6	3.7	4.6	32
22	2.5	26	141	225	541	3,170	2,110	61	e8.3	3.7	4.1	24
23	2.5	26	140	220	499	2,800	2,080	42	e7.9	e2.8	3.9	20
24	2.6	28	124	214	491	2,530	2,040	35	e7.3	e1.8	4.1	18
25	2.7	35	325	190	486	2,430	1,980	31	e7.2	e1.5	4.4	16
26	2.6	42	280	255	463	2,400	1,930	28	e6.8	e1.5	4.7	15
27	5.2	50	377	275	453	2,360	1,880	e25	e6.6	e1.4	4.5	15
28	12	52	406	294	458	2,320	1,830	e23	e6.4	e1.4	4.3	14
29	14	57	398	291	456	2,290	1,780	e23	e6.2	e1.3	4.3	14
30	15	61	390	280	---	2,280	1,720	e22	e6.0	e1.3	4.3	35
31	16	---	390	282	---	2,260	---	e21	---	e1.3	4.5	---
Total	127.3	756.3	6,044	9,099	11,003	41,029	64,160	17,885	434.5	167.4	115.0	609.9
Mean	4.11	25.2	195	294	379	1,324	2,139	577	14.5	5.40	3.71	20.3
Max	16	61	406	394	594	3,170	2,320	1,650	33	35	20	107
Min	2.4	4.1	56	190	239	310	1,720	21	6.0	1.3	1.2	4.2
Ac-ft	252	1,500	11,990	18,050	21,820	81,380	127,300	35,470	862	332	228	1,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	242	465	890	1,354	1,683	1,889	1,712	1,169	850	581	209	98.9
Max	2,916	3,564	2,726	3,757	3,802	5,021	4,827	4,244	2,567	3,288	2,130	419
(WY)	(2010)	(2010)	(2010)	(2001)	(2001)	(2001)	(1997)	(1991)	(1989)	(1989)	(1989)	(1989)
Min	4.11	7.21	10.8	66.3	79.8	44.6	45.5	63.7	11.5	4.29	2.61	2.79
(WY)	(2012)	(2011)	(2006)	(2000)	(1996)	(1996)	(2011)	(2010)	(2006)	(2011)	(2011)	(2011)

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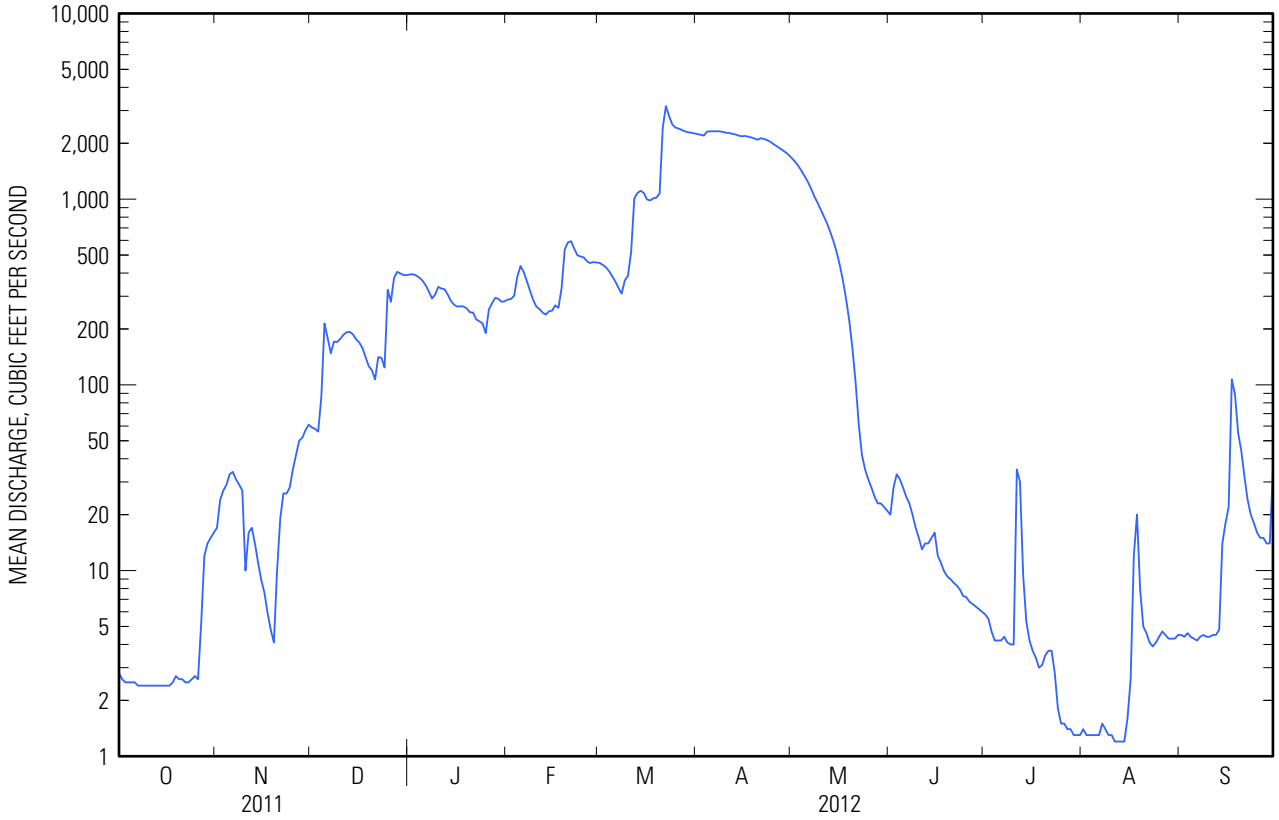
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1980 - 2012	
Annual total	41,850.8		151,430.4			
Annual mean	115		414		925	
Highest annual mean					2,068	1997
Lowest annual mean					97.9	2011
Highest daily mean	775	May 21	3,170	Mar 22	6,630	Apr 15, 1991
Lowest daily mean	2.3	Aug 16	[a,e]1.2	Aug 11	[e]1.2	Aug 11, 2012
Annual seven-day minimum	2.3	Aug 16	1.3	Aug 8	1.3	Aug 8, 2012
Maximum peak flow			3,250	Mar 22	6,800	Apr 14, 1991
Maximum peak stage			32.27	Mar 22	38.26	Apr 14, 1991
Instantaneous low flow			1.1	Aug 15	*	
Annual runoff (ac-ft)	83,010		300,400		670,300	
10 percent exceeds	357		1,940		2,570	
50 percent exceeds	30		42		386	
90 percent exceeds	2.5		2.5		14	

[a] Also occurred Aug. 12-14.
[e] Estimated.
* Not determined.



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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	e14.34	15.05	15.88	18.88	18.14	19.27	27.93	25.20	e14.98	e14.58	14.27	15.93
2	e14.33	15.23	15.86	18.89	18.16	19.20	27.82	24.85	e15.18	e14.56	14.25	15.92
3	e14.31	15.31	15.83	18.85	18.24	19.12	27.78	24.47	15.30	e14.52	14.24	15.93
4	e14.31	15.35	16.21	18.78	18.80	18.99	28.22	24.06	15.25	14.49	14.24	15.92
5	e14.31	15.43	17.48	18.68	19.15	18.82	28.30	23.60	15.18	14.49	14.23	15.91
6	e14.31	15.46	17.22	18.55	18.96	18.66	28.29	23.12	15.13	14.48	14.27	15.90
7	e14.31	15.39	16.91	18.37	18.67	18.47	28.29	22.63	15.05	14.50	14.32	15.92
8	e14.30	15.34	17.16	18.17	18.39	18.30	28.27	22.18	14.98	14.48	14.29	15.92
9	e14.30	15.30	17.15	18.27	18.13	18.69	28.21	21.84	14.92	14.47	14.27	15.92
10	e14.30	14.80	17.21	18.50	17.95	18.84	28.12	21.49	14.86	14.47	14.26	15.92
11	e14.30	15.02	17.29	18.45	17.89	19.59	28.05	21.15	14.80	15.38	14.24	15.92
12	e14.30	15.04	17.35	18.42	17.80	22.08	27.96	20.83	14.83	15.38	14.24	15.92
13	e14.30	14.95	17.35	18.28	17.75	22.38	27.87	20.46	14.85	14.77	14.22	15.94
14	e14.30	14.83	17.30	18.11	17.84	22.57	27.76	20.07	14.88	14.56	14.56	16.19
15	e14.30	14.74	17.20	18.00	17.85	22.42	27.65	19.65	14.90	14.49	15.47	16.24
16	e14.30	14.67	17.14	17.96	17.99	22.03	27.71	19.19	14.79	14.44	15.80	16.24
17	e14.30	14.58	17.03	17.97	17.92	21.97	27.63	18.68	e14.74	14.41	16.15	17.11
18	e14.32	14.50	16.84	17.95	18.44	22.09	27.51	18.14	e14.71	14.38	16.42	17.01
19	14.33	14.46	16.67	17.90	19.76	22.11	27.38	17.60	e14.69	14.39	16.08	16.67
20	14.32	14.78	16.60	17.81	20.03	22.38	27.27	17.01	e14.68	14.42	15.95	16.53
21	14.32	15.10	16.44	17.80	20.08	28.76	27.42	16.39	e14.67	14.43	15.93	16.34
22	14.31	15.30	16.82	17.64	19.78	31.93	27.36	15.81	e14.66	14.44	15.90	16.20
23	14.31	15.30	16.83	17.59	19.54	30.37	27.23	15.49	e14.64	14.40	15.89	16.12
24	14.33	15.34	16.64	17.54	19.49	29.23	27.03	15.35	e14.63	14.37	15.90	16.05
25	14.33	15.49	18.39	17.33	19.46	28.78	26.77	15.26	e14.62	14.32	15.92	16.01
26	14.33	15.60	18.07	17.88	19.33	28.63	26.54	15.18	e14.61	14.29	15.94	15.97
27	14.50	15.74	18.77	18.04	19.26	28.46	26.30	e15.10	e14.60	14.28	15.92	15.95
28	14.86	15.77	18.96	18.18	19.29	28.31	26.06	e15.06	e14.60	14.28	15.92	15.93
29	14.93	15.85	18.91	18.16	19.28	28.17	25.81	e15.04	e14.59	14.27	15.91	15.92
30	14.96	15.91	18.86	18.08	---	28.10	25.52	e15.01	e14.58	14.27	15.91	16.35
31	15.00	---	18.86	18.10	---	28.04	---	e14.99	---	14.27	15.92	---
Max	15.00	15.91	18.96	18.89	20.08	31.93	28.30	25.20	15.30	15.38	16.42	17.11
Min	14.30	14.46	15.83	17.33	17.75	18.30	25.52	14.99	14.58	14.27	14.22	15.90