

Water-Data Report 2011

07372200 Little River near Rochelle, LA

Red Basin
Little Subbasin

LOCATION.--Lat 31°45'15", long 92°20'40" referenced to North American Datum of 1927, in NW ¼ sec.41, T.9 N., R.1 E., LaSalle Parish, LA, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--1899.00 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft above NGVD of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

REMARKS.--Records fair, except for estimated daily discharges which are poor.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--53 years, (1958-1996, 1998 to current), 2,182 ft³/s, 1,581,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s, Dec. 29, 1982, gage height, 45.88 ft, from floodmark; maximum daily reverse flow, e-34 ft³/s, May 17, 2011, backwater from Red River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft³/s, May 7, gage height, 18.55 ft; maximum gage height, 23.63 ft, May 27; minimum discharge, e-38 ft³/s, May 17, gage height, 20.52 ft; minimum gage height, 3.96 ft, Oct 3.

07372200 Little River near Rochelle, LA—Continued

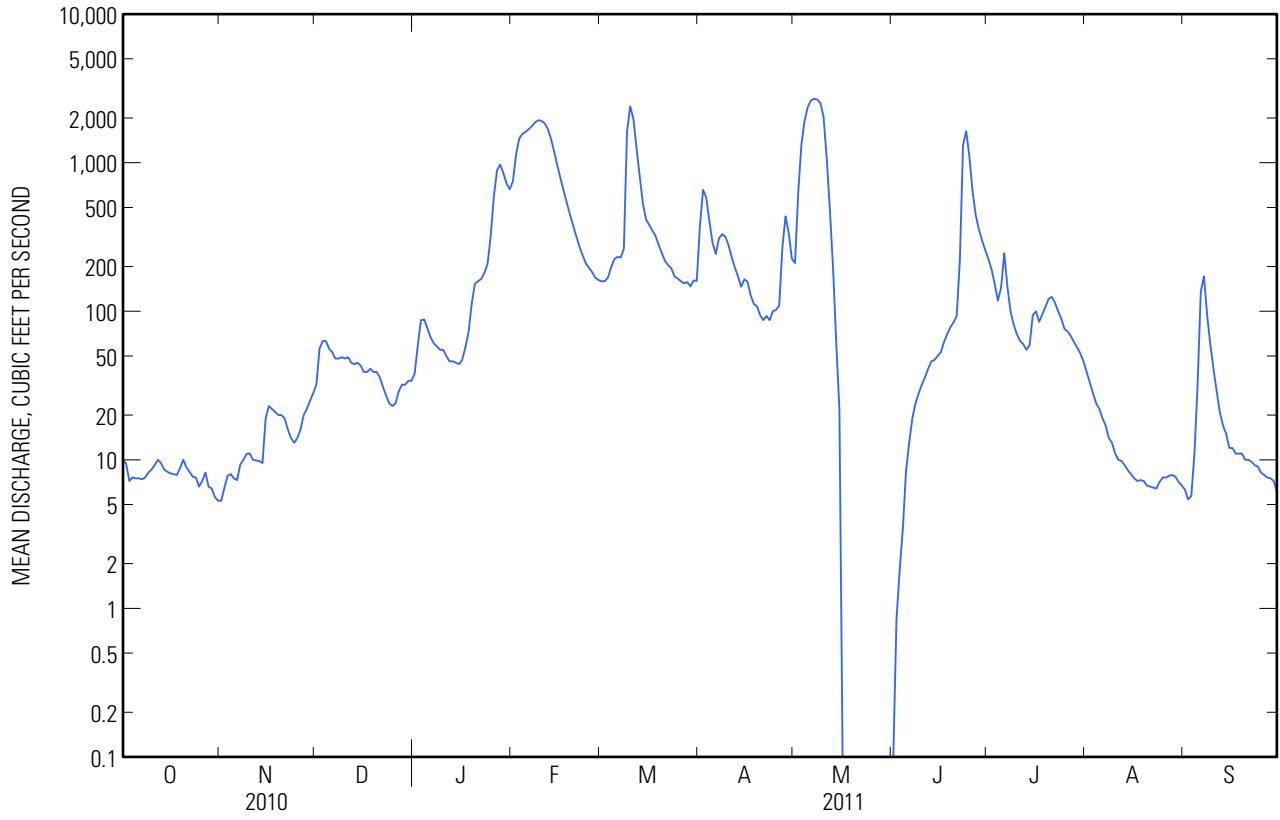
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10	5.3	32	38	748	159	376	211	e-0.14	225	39	6.3
2	9.4	6.5	56	59	1,140	159	656	623	e0.84	191	33	5.4
3	7.2	7.8	63	87	1,450	169	580	1,320	e1.8	152	28	5.7
4	7.6	8.0	63	88	1,560	198	403	1,910	e3.4	118	24	11
5	7.5	7.5	56	77	1,610	224	287	2,360	e8.3	144	22	e32
6	7.5	7.3	53	67	1,680	232	243	2,620	e13	246	19	135
7	7.4	9.3	48	61	1,760	230	309	2,690	e19	146	17	172
8	7.6	10	48	58	1,870	263	330	2,660	e24	99	14	e94
9	8.2	11	49	55	1,930	1,620	318	2,520	e28	81	13	e60
10	8.6	11	48	55	1,910	2,390	279	2,030	e32	70	11	e41
11	9.2	10	49	50	1,840	1,980	232	1,070	e36	63	10	29
12	10	9.9	45	46	1,690	1,250	197	e479	e41	60	9.8	21
13	9.5	9.8	44	46	1,450	811	172	e194	e46	55	9.2	17
14	8.6	9.5	45	45	1,190	532	146	e61	e47	59	8.5	15
15	8.3	19	43	44	959	415	164	e22	e50	94	8.0	12
16	8.1	23	39	47	785	381	158	e-4.0	e53	100	7.5	12
17	8.0	22	39	57	649	348	128	e-34	e62	85	7.2	11
18	7.9	21	41	72	537	321	112	e-30	e70	95	7.3	11
19	8.8	20	39	112	448	279	108	e-26	e78	e107	7.2	11
20	10	20	39	153	377	246	94	e-26	e84	e121	6.7	10
21	8.9	19	36	159	319	217	87	e-26	e93	e125	6.6	10
22	8.3	16	31	165	272	204	93	e-25	e221	114	6.5	9.7
23	7.7	14	27	181	238	194	87	e-17	1,310	100	6.4	9.2
24	7.6	13	24	208	210	171	100	e-14	1,630	89	7.1	9.0
25	6.6	14	23	322	196	166	102	e-8.7	1,100	76	7.6	8.2
26	7.2	16	24	595	183	159	109	e-5.6	644	73	7.6	7.9
27	8.2	20	29	890	168	154	266	e-2.9	443	68	7.8	7.6
28	6.6	22	32	970	162	157	435	e-1.6	356	62	7.9	7.5
29	6.4	25	32	850	---	147	337	e-1.3	299	57	7.7	7.2
30	5.6	28	34	722	---	161	226	e-1.3	258	52	7.1	6.1
31	5.3	---	34	662	---	160	---	e-1.1	---	46	6.7	---
Total	247.8	434.9	1,265	7,041	27,331	14,097	7,134	20,545.5	7,051.20	3,173	380.4	793.8
Mean	7.99	14.5	40.8	227	976	455	238	663	235	102	12.3	26.5
Max	10	28	63	970	1,930	2,390	656	2,690	1,630	246	39	172
Min	5.3	5.3	23	38	162	147	87	-34	-0.14	46	6.4	5.4
Ac-ft	492	863	2,510	13,970	54,210	27,960	14,150	40,750	13,990	6,290	755	1,570

	Calendar Year 2010	Water Year 2011
Total	331,854.7	89,494.60
Mean	909	245
Max	6,120	2,690
Min	5.3	-34
Ac-ft	658,200	177,500

07372200 Little River near Rochelle, LA—Continued



07372200 Little River near Rochelle, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.23	4.07	4.70	4.80	10.86	6.94	10.47	9.95	22.93	8.92	5.11	4.28
2	4.21	4.12	5.17	5.23	12.63	6.92	11.36	11.02	22.61	8.83	5.01	4.24
3	4.14	4.16	5.33	5.73	14.02	6.96	11.31	13.50	22.24	8.75	4.90	4.25
4	4.15	4.16	5.32	5.75	14.50	7.19	10.81	15.80	21.83	8.71	4.82	4.40
5	4.15	4.15	5.18	5.57	14.66	7.47	10.66	17.42	21.42	8.73	4.76	5.91
6	4.15	4.14	5.10	5.40	14.94	7.68	10.56	18.28	21.01	8.95	4.70	7.67
7	4.15	4.21	5.00	5.28	15.24	7.69	10.63	18.54	20.59	8.55	4.62	7.47
8	4.15	4.24	5.00	5.21	15.63	7.87	10.60	18.53	20.15	8.25	4.56	6.56
9	4.17	4.24	5.02	5.17	15.86	15.53	10.52	18.44	19.69	8.06	4.50	5.65
10	4.18	4.24	5.01	5.16	15.80	19.16	10.33	18.05	19.14	7.88	4.46	5.10
11	4.20	4.23	5.02	5.06	15.51	17.64	10.15	17.45	18.55	7.69	4.43	4.82
12	4.22	4.22	4.94	4.98	14.95	15.34	9.98	17.67	17.90	7.52	4.41	4.65
13	4.21	4.22	4.92	4.96	14.10	13.12	9.82	18.22	17.22	7.32	4.39	4.54
14	4.18	4.21	4.94	4.94	13.08	11.86	9.67	18.80	16.49	7.29	4.36	4.47
15	4.18	4.45	4.91	4.92	12.15	11.39	9.44	19.39	15.74	7.26	4.35	4.39
16	4.17	4.54	4.82	4.98	11.33	11.22	9.34	19.99	15.07	7.28	4.33	4.37
17	4.16	4.53	4.83	5.21	10.61	11.07	9.22	20.57	14.27	7.11	4.32	4.36
18	4.16	4.50	4.87	5.48	9.96	10.91	9.05	21.07	13.52	7.03	4.32	4.34
19	4.19	4.49	4.84	6.08	9.39	10.79	9.02	21.48	12.83	6.95	4.31	4.34
20	4.23	4.48	4.82	6.55	8.87	10.67	9.04	21.89	12.21	6.72	4.30	4.33
21	4.19	4.45	4.77	6.69	8.42	10.53	9.06	22.31	11.67	6.43	4.29	4.32
22	4.17	4.39	4.69	6.73	8.07	10.40	9.03	22.63	11.80	6.22	4.29	4.30
23	4.15	4.33	4.62	6.85	7.79	10.29	9.05	22.97	14.00	6.05	4.28	4.29
24	4.15	4.31	4.57	7.11	7.55	10.23	9.07	23.24	15.14	5.91	4.31	4.28
25	4.12	4.33	4.53	8.01	7.39	10.16	9.07	23.43	13.47	5.74	4.33	4.25
26	4.14	4.39	4.55	9.82	7.27	10.04	9.09	23.57	11.54	5.69	4.33	4.24
27	4.17	4.49	4.66	11.50	7.09	10.00	9.74	23.61	10.19	5.62	4.34	4.22
28	4.12	4.52	4.70	12.03	6.99	9.91	10.91	23.57	9.49	5.52	4.34	4.22
29	4.11	4.58	4.70	11.56	---	9.89	10.41	23.50	9.22	5.43	4.33	4.21
30	4.09	4.64	4.73	10.94	---	10.00	9.87	23.38	9.03	5.35	4.31	4.16
31	4.07	---	4.74	10.58	---	10.12	---	23.18	---	5.23	4.29	---
Max	4.23	4.64	5.33	12.03	15.86	19.16	11.36	23.61	22.93	8.95	5.11	7.67
Min	4.07	4.07	4.53	4.80	6.99	6.92	9.02	9.95	9.03	5.23	4.28	4.16