Water-Data Report 2013

07370000 Bayou Macon near Delhi, LA

Boeuf-Tensas Basin
Bayou Macon Subbasin

LOCATION.--Lat 32°27′28″, long 91°28′34″ referenced to North American Datum of 1983, in NE ¼ SE ¼ sec.18, T.17 N., R.10 E., Richland Parish, LA, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Daily discharge and gage height records October 1935 to September 1992. October 1992 to current year, gage heights and annual maximum discharge only. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg District; and since January 1932 in reports of Corps of Engineers, Vicksburg District.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above sea level. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Large 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.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--57 years (water years 1935-1992), 975 ft^3/s, 706,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s, Apr. 29, 1991; maximum gage height, 26.86 ft, May 5, 1991; no flow observed, May 25, 26, 28, June 1, 1963, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height 4.13 ft, June 21, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft, present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,500 ft^3/s, gage height, 23.39 ft, Jan. 13; maximum gage height, 23.78 ft, Jan. 15; minimum gage height, 5.52 ft, Aug. 11.

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 07370000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07370000.2013.pdf

07370000 Bayou Macon near Delhi, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15.61	6.10	6.42	9.41	11.62	7.88	8.46	7.74	6.45	6.36	6.54	6.24
2	17.96	6.09	6.27	13.01	10.36	7.47	8.56	8.33	7.95	6.13	6.47	6.24
3	18.26	6.08	6.17	13.33	8.60	7.23	7.94	8.51	8.99	5.98	6.45	6.24
4	17.60	6.27	6.13	11.75	7.82	7.09	7.98	8.51	8.22	5.94	6.47	6.27
5	16.19	6.48	6.52	9.26	7.57	6.98	7.92	7.71	7.54	5.96	6.46	6.31
6	13.85	6.40	7.70	7.95	7.40	6.83	7.65	7.18	7.53	5.92	6.30	6.34
7	10.85	6.29	7.56	7.49	7.25	6.70	7.60	6.90	8.73	6.03	6.06	6.36
8	8.00	6.18	7.12	7.16	7.14	6.64	7.50	6.75	9.02	6.03	5.82	6.38
9	7.03	6.12	6.93	7.13	7.00	6.58	7.39	6.66	8.48	6.11	5.64	6.37
10	6.84	6.09	8.72	14.23	8.06	6.55	7.25	6.75	8.08	6.22	5.57	6.35
11	6.76	6.07	10.09	20.85	12.87	6.56	9.09	7.08	7.61	6.29	5.53	6.34
12	6.70	6.15	9.41	22.69	15.64	6.53	13.76	7.38	7.37	6.49	5.62	6.35
13	6.64	6.20	8.16	23.24	18.15	6.57	15.49	6.91	7.26	6.53	5.83	6.38
14	6.63	6.20	7.40	23.61	18.14	6.57	15.10	6.65	7.16	6.53	6.04	6.38
15	6.66	6.17	7.00	23.74	16.69	6.52	13.46	6.55	7.11	6.90	6.25	6.36
16	6.71	6.15	7.19	23.66	14.46	6.49	10.95	6.52	7.04	7.06	6.37	6.37
17	6.74	6.13	9.15	23.22	11.85	6.44	8.41	6.51	7.14	6.91	6.41	6.39
18	6.67	6.11	8.89	22.43	9.18	6.43	7.81	6.51	8.66	6.58	6.38	6.40
19	6.61	6.10	8.03	21.23	8.16	6.43	10.37	6.48	8.86	6.65	6.30	6.39
20	6.80	6.10	7.41	19.60	8.58	6.45	12.38	6.47	7.76	6.75	6.05	6.40
21	6.77	6.11	7.06	17.71	8.38	6.42	12.13	6.47	7.13	6.72	5.85	6.56
22	6.63	6.10	6.83	15.69	8.31	6.53	10.46	e6.63	6.83	6.62	5.74	6.59
23	6.49	6.11	6.68	13.63	7.84	7.21	8.57	6.70	6.66	6.39	5.69	6.67
24	6.37	6.11	6.60	11.40	7.47	8.83	8.01	6.69	6.54	6.32	5.78	6.74
25	6.31	6.10	7.50	9.20	7.41	9.88	8.36	6.64	6.51	6.53	6.01	7.04
26	6.26	6.13	10.87	7.66	9.79	9.22	8.19	6.59	6.60	6.65	6.15	7.64
27	6.21	7.50	11.32	7.23	10.00	8.19	7.64	6.52	6.60	7.51	6.22	7.31
28	6.16	8.17	9.73	7.11	8.76	7.54	7.28	6.41	6.44	7.77	6.21	6.81
29	6.13	7.35	8.53	7.11	---	7.21	7.07	6.32	6.42	7.33	6.21	6.53
30	6.11	6.73	7.98	8.98	---	7.04	6.95	6.29	6.45	6.91	6.21	6.42
31	6.11	---	7.44	11.41	---	7.13	---	6.36	---	6.66	6.23	---
Max	18.26	8.17	11.32	23.74	18.15	9.88	15.49	8.51	9.02	7.77	6.54	7.64
Min	6.11	6.07	6.13	7.11	7.00	6.42	6.95	6.29	6.42	5.92	5.53	6.24