Water-Data Report 2010

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

Black Warrior-Tombigbee Basin
Upper Tombigbee Subbasin

LOCATION.--Lat 33°29′26″, long 88°25′57″ referenced to North American Datum of 1983, in NE ¼ NE ¼ sec.29, T.18 S., R.18 W., Lowndes County, MS, Hydrologic Unit 03160101, Huntsville Meridian, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Stennis Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981, April 1981 to current year (gage heights only). Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

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PERIOD OF DAILY RECORD WATER QUALITY.--
SPECIFIC CONDUCTANCE: July 1973 to August 1973.</PRE>

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft above NGVD of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941 to Sept. 30, 1968, auxiliary nonrecording at gage site 3.7 mi upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi upstream from base gage at datum 128.82 ft above sea level.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi downstream, normal pool elevation 136.0 ft above sea level and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi upstream. Satellite telemeter at station. Periods of missing record: Oct. 1-8 and Oct. 13-15.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft^3/s, March 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily discharge, 120 ft^3/s, Sept. 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above National Geodetic Vertical of 1929 at site 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft^3/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.86 ft, Oct. 15; minimum gage height, 7.29 ft, July 25.

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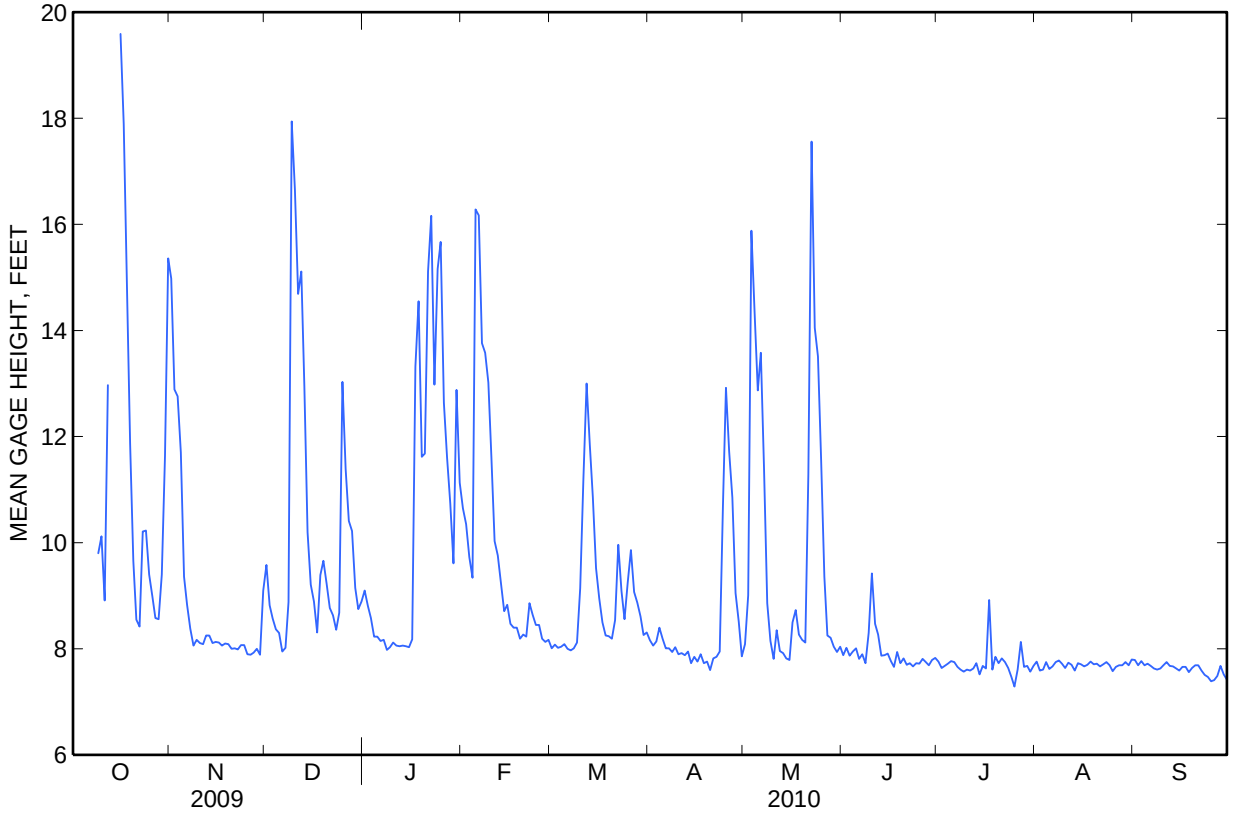
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	14.98	9.58	9.10	10.65	8.01	8.16	8.09	7.88	7.76	7.76	7.79
2	---	12.89	8.82	8.81	10.35	8.08	8.06	9.01	8.02	7.64	7.59	7.69
3	---	12.76	8.57	8.58	9.73	8.02	8.14	15.88	7.87	7.68	7.61	7.77
4	---	11.70	8.37	8.23	9.34	8.04	8.40	14.34	7.95	7.72	7.75	7.69
5	---	9.36	8.30	8.23	16.28	8.09	8.19	12.87	8.01	7.77	7.62	7.72
6	---	8.83	7.95	8.15	16.17	8.00	8.01	13.58	7.81	7.75	7.67	7.68
7	---	8.38	8.02	8.17	13.76	7.97	8.01	11.39	7.90	7.66	7.75	7.63
8	---	8.06	8.88	7.98	13.58	8.01	7.94	8.86	7.73	7.61	7.78	7.61
9	9.80	8.17	17.94	8.03	13.02	8.12	8.03	8.15	8.30	7.57	7.72	7.63
10	10.12	8.11	16.65	8.12	11.61	9.14	7.90	7.81	9.42	7.61	7.64	7.69
11	8.91	8.09	14.69	8.06	10.03	11.20	7.92	8.35	8.47	7.59	7.74	7.75
12	12.97	8.25	15.11	8.05	9.76	13.00	7.88	7.96	8.27	7.63	7.70	7.68
13	---	8.25	12.95	8.06	9.23	11.85	7.95	7.92	7.87	7.73	7.59	7.67
14	---	8.11	10.20	8.05	8.71	10.86	7.73	7.82	7.88	7.52	7.73	7.63
15	---	8.13	9.21	8.03	8.83	9.52	7.85	7.79	7.91	7.68	7.71	7.59
16	19.59	8.12	8.89	8.18	8.47	8.95	7.76	8.50	7.77	7.63	7.67	7.66
17	17.89	8.06	8.31	13.32	8.40	8.50	7.90	8.73	7.66	8.92	7.70	7.66
18	14.87	8.10	9.39	14.55	8.40	8.25	7.73	8.27	7.94	7.61	7.76	7.56
19	11.87	8.09	9.66	11.62	8.19	8.24	7.76	8.17	7.73	7.85	7.71	7.64
20	9.66	8.00	9.23	11.68	8.27	8.19	7.60	8.12	7.82	7.73	7.72	7.69
21	8.55	8.01	8.77	15.11	8.23	8.54	7.82	11.29	7.70	7.82	7.67	7.69
22	8.42	7.99	8.63	16.16	8.86	9.96	7.85	17.56	7.73	7.75	7.71	7.59
23	10.21	8.07	8.36	12.98	8.64	9.09	7.95	14.05	7.67	7.64	7.75	7.51
24	10.23	8.07	8.68	15.16	8.45	8.56	10.68	13.51	7.73	7.47	7.69	7.47
25	9.40	7.90	13.03	15.67	8.45	9.25	12.92	11.54	7.72	7.29	7.58	7.39
26	8.99	7.89	11.39	12.64	8.19	9.86	11.72	9.36	7.81	7.61	7.66	7.41
27	8.58	7.93	10.41	11.60	8.13	9.07	10.85	8.25	7.75	8.13	7.69	7.49
28	8.56	8.00	10.22	10.74	8.17	8.87	9.05	8.21	7.69	7.66	7.69	7.68
29	9.40	7.89	9.15	9.61	---	8.61	8.51	8.04	7.79	7.68	7.75	7.52
30	11.64	9.10	8.75	12.88	---	8.26	7.86	7.94	7.83	7.57	7.69	7.42
31	15.36	---	8.89	11.13	---	8.31	---	8.04	---	7.68	7.80	---
Mean	---	8.84	10.23	10.54	10.00	8.98	8.47	9.98	7.92	7.71	7.70	7.62
Max	---	14.98	17.94	16.16	16.28	13.00	12.92	17.56	9.42	8.92	7.80	7.79
Min	---	7.89	7.95	7.98	8.13	7.97	7.60	7.79	7.66	7.29	7.58	7.39
Med	---	8.10	9.15	9.10	8.84	8.54	7.95	8.35	7.82	7.66	7.70	7.65

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