DAILY STAGES FOR 1999

OBION RIVER AT OBION, TENN.

LOCATION. LAT. 36-14-27, LONG. 89-13-03. MILE 60.8, ON RIGHT BANK AT THE DOWNSTREAM END OF THE MAIN CHANNEL BRIDGE ON NEW U.S. HIGHWAY 51, 3.2 MILES NORTHEAST OF TRIMBLE, TN AND 2.0 MILES SOUTHWEST OF OBION, TN AND 1.6 MILES DOWNSTREAM OF THE FORMER GAGE LOCATION. THE MOUTH OF OBION RIVER IS 819.3 MILES UPSTREAM ON THE MISSISSIPPI RIVER FROM HEAD OF PASSES.

GAGE. DIGITAL ADR RECORDER DRIVEN BY A FLUID DATA SYSTEM BALANCE BEAM STAGE SENSOR. THE OUTSIDE GAGE IS A WIRE-WEIGHT GAGE MOUNTED ON DOWNSTREAM HANDRAIL OVER THE CENTER OF MAIN CHANNEL. DUE TO CHANNEL IMPROVEMENTS, FROM SEPT. 10, 1964 TO OCT. 20, 1967, GAGE HEIGHTS WERE OBTAINED BY MEASURING FROM A MARK ON BRIDGE TO THE WATER SURFACE. READINGS ARE NOT VERY RELIABLE.

GENERAL INFORMATION. DRAINAGE AREA, 1,851 SQUARE MILES. FROM JULY 16, 1929, TO OCT. 4, 1932, ZERO OF GAGE WAS 251.48 FEET M.S.L. FROM OCT. 5, 1932 TO DEC. 31, 1973, ZERO OF GAGE WAS 261.48 M.S.L., FROM JAN. 1, 1974. TO DEC. 13, 1990, ZERO OF GAGE WAS 246.48 FEET M.S.L. FROM DEC. 14, 1990 TO DATE, ZERO OF GAGE IS 245.17 FEET N.G.V.D .

RECORDS AVAILABLE. STAGE, JULY 16, 1929, TO DATE. STATION WAS OPERATED BY U.S. GEOLOGICAL SURVEY AND PUBLISHED IN THEIR RECORDS UNTIL JULY 22, 1959. AT THAT DATE, THE STATION WAS ACTIVATED BY THE MEMPHIS DISTRICT, CORPS OF ENGINEERS. DISCHARGE, COMPUTED DAILY, JULY 16, 1929, TO SEP. 30, 1958, AND JAN. 1, 1960, TO DATE. SINCE JULY 28, 1964, CHANNEL IMPROVEMENTS HAVE AFFECTED DISCHARGES.

EXTREMES. HIGHEST, 25.40 FEET ON JAN. 24, 1937 (GAGE ZERO AT THAT TIME WAS 261.48 M.S.L.). LOWEST, MINUS 8.0 FEET FROM OCT. 23 TO 25 AND ON SUBSEQUENT DAYS IN 1964 AND ON AUG. 29 AND 30 IN 1965. (GAGE ZERO AT THAT TIME WAS 261.48 M.S.L.). MAXIMUM, 99,500 CFS COMPUTED FOR RECORD HIGH STAGE. MINIMUM, 209 CFS COMPUTED FOR AUG. 29, 1965 RECORD LOW STAGE.

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 245.17 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.0	32.4	26.8	21.0	24.2	18.0	25.2	16.7	16.7	16.6	18.0	17.0
2	18.2	32.3	23.1	21.0	21.2	17.9	26.7	17.0	16.7	16.6	21.6	17.6
3	24.4	31.4	22.7	19.7	19.9	17.7	22.5	16.9	16.7	16.7	17.7	16.9
4	20.8	30.1	23.3	28.0	19.2	17.6	18.7	16.9	16.7	16.7	17.1	16.9
5	19.0	28.3	20.6	28.9	22.0	17.6	17.9	16.9	16.7	16.6	16.9	17.0
6	18.6	26.3	28.3	28.3	30.7	17.8	17.6	16.9	16.7	16.6	17.0	17.2
7	18.6	24.1	28.9	28.5	31.6	18.7	17.5	16.9	16.7	16.7	16.9	17.2
8	18.7	23.1	25.0	24.5	32.2	17.5	17.4	16.9	16.7	17.1	16.9	17.1
9	31.1	22.0	23.8	22.8	32.2	17.4	17.3	17.0	16.7	19.9	16.9	17.1
10	31.4	21.1	23.5	22.1	30.7	17.4	17.3	16.9	16.7	23.7	16.8	17.4
11	31.2	20.5	21.1	22.7	28.4	17.3	17.7	16.9	16.7	17.6	16.8	18.1
12	30.5	20.6	20.4	20.2	25.1	17.3	17.9	16.9	16.7	17.2	16.8	20.2
13	28.6	20.9	21.0	19.2	22.2	17.3	17.5	16.9	16.7	17.1	16.9	29.9
14	26.2	20.2	26.5	19.0	21.0	17.6	17.5	16.9	16.8	17.0	16.8	29.9
15	23.5	19.9	31.1	26.5	20.0	17.5	17.4	16.8	16.8	16.9	16.8	26.7
16	21.0	19.7	31.1	25.6	19.6	17.6	17.3	16.8	16.8	16.8	16.8	23.0
17	20.1	20.1	30.3	21.2	19.1	17.4	17.3	16.8	16.8	16.8	16.8	20.7
18	24.0	20.0	28.5	20.0	19.1	17.3	17.2	16.8	16.7	16.7	16.8	19.2
19	22.3	19.8	26.0	19.5	18.9	17.2	17.2	16.8	16.7	16.7	16.8	18.4
20	20.1	19.5	23.2	19.2	18.6	17.4	17.1	16.8	16.7	16.8	17.1	18.0
21	19.5	19.3	21.4	18.9	18.4	17.5	17.1	16.8	16.8	16.8	17.5	17.8
22	25.6	19.1	20.5	18.6	18.4	17.3	17.1	16.8	16.8	16.8	17.2	17.6
23	31.8	19.1	19.9	18.5	18.2	17.2	17.1	16.8	16.7	16.8	17.0	17.5
24	33.1	19.0	19.8	18.3	18.0	17.7	17.0	16.8	16.8	16.8	16.9	17.5
25	34.0	18.9	19.9	18.2	17.9	18.8	17.1	16.8	16.8	16.7	16.8	17.4
26	34.3	18.7	19.4	18.2	17.8	17.7	17.6	16.8	16.7	16.8	16.8	17.4
27	34.0	21.3	19.2	21.6	17.8	19.3	17.3	16.8	16.7	16.8	16.8	17.4
28	33.3	29.1	19.0	30.0	17.7	20.5	17.1	16.8	16.6	16.8	16.9	17.4
29	32.4		19.0	30.0	17.6	23.6	17.1	16.8	16.6	16.8	16.8	17.3
30	31.6		19.0	27.8	17.6	21.4	17.1	16.7	16.6	16.8	16.8	17.3
31	31.9		18.9		17.7		17.0	16.7		16.7		17.3
MEAN	26.1	22.7	23.3	22.6	21.7	18.1	18.1	16.8	16.7	17.1	17.1	18.9
MAX.	34.3	32.4	31.1	30.0	32.2	23.6	26.7	17.0	16.8	23.7	21.6	29.9
MIN.	18.0	18.7	18.9	18.2	17.6	17.2	17.0	16.7	16.6	16.6	16.8	16.9

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

HIGHEST RECORDED STAGE WAS 34.35 ON JAN 26.
LOWEST RECORDED STAGE WAS 16.58 ON OCT 5.