

DAILY STAGES FOR 1998

OBION RIVER NEAR BOGOTA, TENN.

LOCATION. LAT. 36-08-12, LONG. 89-25-44. MILE 36.7, TENNESSEE STATE HIGHWAY 78 BRIDGE, ABOUT 2-1/2 MILES SOUTH OF BOGOTA. THE MOUTH OF OBION RIVER IS 819.3 MILES UPSTREAM ON THE MISSISSIPPI RIVER FROM HEAD OF PASSES.

GAGE. AUTOMATIC RECORDER ON BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 2,033 SQUARE MILES. BANKFULL STAGE, 13 FEET. RIVER CONDITIONS HAVE CHANGED SINCE 1960 BECAUSE OF CHANNEL ENLARGEMENT AND REALIGNMENT OPERATIONS. DISCHARGE IS AFFECTED BY BACKWATER DURING HIGH MISSISSIPPI RIVER STAGES.

RECORDS AVAILABLE. STAGE, JAN. 8, 1939, TO DATE (HIGH WATER STAGES, 1932 TO DATE). PRIOR TO 1950, GAGE WAS LOCATED ABOUT ONE-FOURTH MILE UPSTREAM. ZERO OF GAGE PRIOR TO 1953 WAS 0.14 FOOT, M.S.L. COMPUTED DAILY DISCHARGE, 1939 TO DATE.

EXTREMES. HIGHEST, 31.15 FEET (PRESENT DATUM AND OLD LOCATION) FROM FEB. 4 TO 9 1937. LOWEST, MINUS 5.53 FEET ON AUG. 16, 1962. MAXIMUM, 57,756 CFS MEASURED ON MAR. 5, 1997. DISCHARGE NOT DETERMINED FOR RECORD HIGH STAGE. MINIMUM, 55 CFS COMPUTED FOR AUG. 11, 1944 (STAGE, 0.1 AT PRESENT DATUM AND PREVIOUS LOCATION).

| DAILY EIGHT A.M. STAGE IN FEET | | | | | | | | | | | | GAGE ZERO, 248.73 FEET, N.G.V.D. OF 1929 |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|
| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| 1 | 1.1 | 0.0 | 8.0 | 6.7 | 17.6 | 3.7 | 5.8 | 16.0 | -1.3 | -1.7 | -1.8 | -1.5 |
| 2 | 0.6 | 0.1 | 5.6 | 6.7 | 18.0 | 2.8 | 5.1 | 16.4 | -1.3 | -1.8 | -1.8 | -1.4 |
| 3 | 0.3 | -0.1 | 4.6 | 5.8 | 18.2 | 1.5 | 4.8 | 16.8 | -1.4 | -1.8 | -1.8 | -1.4 |
| 4 | 0.0 | -0.3 | 3.7 | 5.7 | 18.3 | 1.0 | 4.6 | 16.2 | -1.4 | -1.6 | -1.8 | -1.5 |
| 5 | -0.1 | -0.3 | 3.0 | 5.1 | 18.2 | 12.5 | 4.7 | 14.2 | -1.4 | -1.5 | -1.8 | 8.2 |
| 6 | 8.3 | -0.5 | 8.3 | 4.3 | 18.0 | 13.9 | 4.7 | 10.4 | -1.5 | -1.6 | -1.8 | 10.7 |
| 7 | 7.8 | -0.5 | 10.5 | 3.7 | 19.0 | 15.7 | 4.8 | 7.4 | -1.5 | 7.9 | -1.8 | 6.3 |
| 8 | 10.9 | -0.5 | 9.6 | 3.4 | 19.5 | 17.5 | 4.8 | 8.4 | -1.5 | 4.6 | -1.7 | 9.7 |
| 9 | 11.3 | -0.5 | 10.5 | 3.6 | 20.0 | 18.2 | 4.5 | 12.7 | -1.6 | 0.1 | -1.7 | 9.7 |
| 10 | 11.1 | -0.2 | 9.8 | 4.1 | 20.7 | 19.0 | 3.7 | 10.3 | -1.6 | -0.8 | -1.4 | 6.6 |
| 11 | 9.1 | 2.0 | 7.1 | 3.8 | 21.4 | 20.2 | 2.6 | 6.2 | -1.6 | -1.1 | -0.9 | 3.7 |
| 12 | 6.9 | 7.7 | 5.1 | 3.6 | 21.8 | 20.7 | 2.9 | 4.8 | -1.6 | -1.1 | -0.6 | 2.5 |
| 13 | 5.8 | 6.8 | 4.0 | 3.5 | 21.9 | 20.5 | 3.2 | 10.4 | -1.6 | -1.2 | -1.1 | 2.3 |
| 14 | 5.4 | 3.3 | 3.9 | 4.6 | 21.9 | 19.8 | 3.7 | 6.8 | -1.6 | -1.3 | -1.3 | 2.6 |
| 15 | 5.2 | 2.4 | 4.2 | 10.4 | 21.7 | 19.2 | 6.2 | 4.1 | -1.6 | -1.6 | -1.4 | 1.6 |
| 16 | 5.3 | 3.6 | 4.4 | 10.5 | 21.2 | 18.7 | 2.2 | 1.9 | -1.6 | -1.7 | -1.4 | 0.8 |
| 17 | 9.3 | 12.7 | 4.5 | 13.1 | 20.5 | 18.3 | 1.7 | 1.6 | -1.6 | -1.6 | -1.5 | 0.4 |
| 18 | 8.9 | 13.7 | 4.4 | 13.9 | 19.4 | 17.7 | 0.7 | 1.1 | -1.0 | -1.7 | -1.5 | 0.1 |
| 19 | 7.6 | 14.5 | 4.9 | 14.4 | 18.1 | 17.1 | 0.2 | 0.7 | -1.4 | -1.5 | -1.4 | -0.1 |
| 20 | 7.4 | 15.4 | 9.6 | 13.6 | 16.3 | 15.8 | -0.3 | 0.1 | -1.5 | -1.4 | -1.4 | -0.2 |
| 21 | 5.5 | 15.9 | 11.7 | 11.9 | 13.1 | 14.4 | -0.7 | -0.1 | -1.0 | -1.5 | -1.3 | -0.1 |
| 22 | 3.9 | 15.6 | 11.6 | 11.0 | 9.1 | 14.5 | -0.9 | -0.4 | -0.4 | -1.6 | -1.2 | 5.7 |
| 23 | 3.8 | 14.6 | 9.5 | 11.0 | 6.2 | 14.6 | -0.9 | -0.7 | -1.4 | -1.7 | -1.4 | 6.8 |
| 24 | 5.6 | 12.6 | 7.4 | 11.0 | 3.6 | 14.4 | -0.8 | -0.8 | -1.6 | -1.7 | -1.5 | 4.0 |
| 25 | 3.3 | 9.2 | 6.7 | 11.1 | 2.3 | 13.2 | 2.3 | -0.9 | -1.6 | -1.7 | -1.4 | 3.0 |
| 26 | 2.2 | 6.7 | 6.7 | 11.0 | 2.3 | 11.0 | 5.4 | -1.0 | -1.7 | -1.7 | -1.4 | 2.0 |
| 27 | 1.5 | 8.9 | 6.9 | 11.0 | 12.1 | 8.6 | 8.3 | -1.1 | -1.7 | -1.7 | -1.5 | 1.0 |
| 28 | 1.0 | 10.8 | 6.9 | 14.8 | 12.8 | 7.4 | 9.6 | -1.1 | -1.7 | -1.7 | -1.6 | -0.0 |
| 29 | 0.7 | | 6.8 | 15.6 | 12.5 | 6.7 | 8.3 | -1.2 | -1.7 | -1.7 | -1.6 | -0.0 |
| 30 | 0.5 | | 6.6 | 16.8 | 10.3 | 6.3 | 12.7 | -1.2 | -1.7 | -1.7 | -1.6 | -0.1 |
| 31 | 0.3 | | 6.4 | | 6.5 | | 15.5 | -1.2 | | -1.8 | | -0.3 |

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 4.9 | 6.2 | 6.9 | 8.9 | 15.6 | 13.5 | 4.2 | 5.1 | -1.5 | -1.0 | -1.5 | 2.6 |
| MAX. | 11.3 | 15.9 | 11.7 | 16.8 | 21.9 | 20.7 | 15.5 | 16.8 | -0.4 | 7.9 | -0.6 | 10.7 |
| MIN. | -0.1 | -0.5 | 3.0 | 3.4 | 2.3 | 1.0 | -0.9 | -1.2 | -1.7 | -1.8 | -1.8 | -1.5 |

HIGHEST STAGE WAS 21.95 ON MAY 13.
LOWEST STAGE WAS -1.83 ON NOV 5.