

6

## DAILY STAGES FOR 1990

## MISSISSIPPI RIVER AT HICKMAN, KY.

LOCATION. LAT. 36-34-14, LONG. 89-12-13. MILE 922.0, AT WEST END OF TOWN NEAR GRAIN ELEVATOR.

GAGE. AUTOMATIC RECORDER ON LOADING DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 918,500 SQUARE MILES. THE DRAINAGE AREA IN THE GREAT DIVIDE BASIN IN SOUTHERN WYOMING, APPROXIMATELY 4,000 SQUARE MILES, IS NO LONGER INCLUDED. BANKFULL STAGE, 37 FEET. AVERAGE LOW WATER PLANE, 3.4 FEET ON GAGE.

RECORDS AVAILABLE. STAGE, DEC. 10, 1929, TO DATE. DISCHARGE, MAR. 1927 TO DATE. COMPUTED DAILY, 1928 TO DATE.

EXTREMES. HIGHEST, 51.5 FEET ON FEB. 1, 1937. LOWEST, MINUS 0.65 FOOT ON JUL. 14, 1988. MAXIMUM, 2,015,000 CFS, OBSERVED AT COLUMBUS, KY. ON APR. 2, 1912 (COLUMBUS STAGE, 48.5). DISCHARGE OF 2,010,000 CFS WAS OBSERVED AT TIPTONVILLE, TENN. ON FEB. 4, 1937, WITH BIRDS POINT (NEW MADRID FLOODWAY UPSTREAM FROM TIPTONVILLE) IN OPERATION. STAGE AT COLUMBUS WAS 53.6 FEET. THE FLOW THROUGH THE FLOODWAY OPPOSITE COLUMBUS WAS ABOUT 500,000 CFS. MINIMUM, 69,000 CFS COMPUTED FOR AUG. 22, 1936 (COLUMBUS STAGE, 5.0). DISCHARGE NOT DETERMINED FOR RECORD LOW STAGE AT COLUMBUS IN 1895.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, 264.73 FEET, N.G.V.D. OF 1929

| DAY | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1   | 7.2  | 25.5 | 39.2 | 26.2 | 20.7 | 41.0 | 27.2 | 17.8 | 17.9 | 9.8  | 17.4 | 15.0 |
| 2   | 10.6 | 26.7 | 37.6 | 25.0 | 19.7 | 40.9 | 26.8 | 18.2 | 17.1 | 8.9  | 15.4 | 15.6 |
| 3   | 14.6 | 28.7 | 35.3 | 23.9 | 20.0 | 40.8 | 25.9 | 18.9 | 17.0 | 8.1  | 12.9 | 16.1 |
| 4   | 19.2 | 30.8 | 32.0 | 23.2 | 20.7 | 40.7 | 25.3 | 18.6 | 16.2 | 7.8  | 11.4 | 16.6 |
| 5   | 22.1 | 33.2 | 29.2 | 22.2 | 21.7 | 40.3 | 25.1 | 17.7 | 15.7 | 7.9  | 11.3 | 18.7 |
| 6   | 24.0 | 34.9 | 27.4 | 21.0 | 22.2 | 39.7 | 24.3 | 17.7 | 15.2 | 9.3  | 11.0 | 21.5 |
| 7   | 25.2 | 35.9 | 26.6 | 20.4 | 24.6 | 39.0 | 23.8 | 17.7 | 15.8 | 10.5 | 11.1 | 23.0 |
| 8   | 26.1 | 36.3 | 25.9 | 19.9 | 27.7 | 38.2 | 23.2 | 17.8 | 16.0 | 11.0 | 11.3 | 23.7 |
| 9   | 26.7 | 36.4 | 25.3 | 19.4 | 29.5 | 37.5 | 22.8 | 18.5 | 14.8 | 10.8 | 10.9 | 24.1 |
| 10  | 26.7 | 36.5 | 24.7 | 18.8 | 29.9 | 37.0 | 22.7 | 18.5 | 14.6 | 11.1 | 11.1 | 24.0 |
| 11  | 26.1 | 36.8 | 24.1 | 19.6 | 29.3 | 36.5 | 22.1 | 18.2 | 15.2 | 13.3 | 11.4 | 23.4 |
| 12  | 24.9 | 37.2 | 23.7 | 20.6 | 28.1 | 35.6 | 21.6 | 17.0 | 15.0 | 14.1 | 12.0 | 22.2 |
| 13  | 23.2 | 37.6 | 23.5 | 21.3 | 26.8 | 34.5 | 21.9 | 16.2 | 13.5 | 14.6 | 13.5 | 20.2 |
| 14  | 21.5 | 38.0 | 24.2 | 21.9 | 26.1 | 33.8 | 22.1 | 15.8 | 12.4 | 14.1 | 14.4 | 18.2 |
| 15  | 20.8 | 38.3 | 25.3 | 22.3 | 26.3 | 33.1 | 22.4 | 14.9 | 12.7 | 14.3 | 15.1 | 16.6 |
| 16  | 20.2 | 39.4 | 25.8 | 22.9 | 27.3 | 32.1 | 22.4 | 14.3 | 12.9 | 15.5 | 15.2 | 15.6 |
| 17  | 19.0 | 40.2 | 27.8 | 23.9 | 29.4 | 30.2 | 23.0 | 14.0 | 12.2 | 17.0 | 14.7 | 15.3 |
| 18  | 17.3 | 40.6 | 31.0 | 24.6 | 33.3 | 28.6 | 24.1 | 14.3 | 11.9 | 18.2 | 14.2 | 16.3 |
| 19  | 15.9 | 41.0 | 33.3 | 24.5 | 36.0 | 28.2 | 24.4 | 13.3 | 11.7 | 18.6 | 13.5 | 20.7 |
| 20  | 16.9 | 41.3 | 34.5 | 23.6 | 38.4 | 28.5 | 24.3 | 13.5 | 11.5 | 18.5 | 12.1 | 26.5 |
| 21  | 20.4 | 41.2 | 35.1 | 22.5 | 40.3 | 29.0 | 24.2 | 14.0 | 11.8 | 17.8 | 10.8 | 30.1 |
| 22  | 22.7 | 41.1 | 35.5 | 22.0 | 41.4 | 28.7 | 24.1 | 15.3 | 12.1 | 16.9 | 10.5 | 33.2 |
| 23  | 24.5 | 41.1 | 35.5 | 22.0 | 41.7 | 28.2 | 23.9 | 16.4 | 11.9 | 17.0 | 10.5 | 36.0 |
| 24  | 26.0 | 41.1 | 35.2 | 23.0 | 41.5 | 27.8 | 23.2 | 17.4 | 11.2 | 17.3 | 10.6 | 37.9 |
| 25  | 26.9 | 41.0 | 34.6 | 23.4 | 41.1 | 28.1 | 22.7 | 18.0 | 10.9 | 18.1 | 11.2 | 39.2 |
| 26  | 27.3 | 41.0 | 33.5 | 23.6 | 40.7 | 28.4 | 23.0 | 18.6 | 11.1 | 18.4 | 12.4 | 40.2 |
| 27  | 27.3 | 40.7 | 31.6 | 23.7 | 40.4 | 28.9 | 23.2 | 18.7 | 11.5 | 18.5 | 12.6 | 40.9 |
| 28  | 27.2 | 40.2 | 29.4 | 23.6 | 40.3 | 28.8 | 22.8 | 18.9 | 11.2 | 18.7 | 12.7 | 41.4 |
| 29  | 26.7 |      | 27.5 | 23.1 | 40.4 | 28.2 | 22.1 | 18.6 | 10.9 | 18.7 | 12.9 | 41.8 |
| 30  | 25.8 |      | 26.8 | 22.1 | 40.6 | 28.0 | 20.8 | 17.7 | 10.4 | 19.3 | 14.0 | 42.7 |
| 31  | 25.3 |      | 26.6 |      | 40.9 |      | 19.1 | 17.3 |      | 18.8 |      | 43.8 |

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE.

|      |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 22.20 | 37.24 | 29.92 | 22.47 | 31.84 | 33.34 | 23.36 | 16.90 | 13.41 | 14.60 | 12.59 | 26.46 |
| MAX. | 27.3  | 41.3  | 39.2  | 26.2  | 41.7  | 41.0  | 27.2  | 18.9  | 17.9  | 19.3  | 17.4  | 43.8  |
| MIN. | 7.2   | 25.5  | 23.5  | 18.8  | 19.7  | 27.8  | 19.1  | 13.3  | 10.4  | 7.8   | 10.5  | 15.0  |

HIGHEST STAGE WAS 44.46 ON DEC. 31.  
LOWEST STAGE WAS 6.34 ON JAN. 1.