

## DAILY STAGES FOR 1999

## MISSISSIPPI RIVER AT HELENA, ARK.

LOCATION. LAT. 34-31-00 LONG. 90-35-03. MILE 663.1, APPROXIMATELY 850 FEET BELOW MOUTH OF HELENA HARBOR.

GAGE. TELEMETRY VIA SATELLITE FROM DATA COLLECTION PLATFORM ON GRAIN ELEVATOR.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 937,700 SQUARE MILES. BANKFULL STAGE, 41 FEET. LOW WATER REFERENCE PLANE, 4.1 FEET ON GAGE.

RECORDS AVAILABLE. STAGE, NOV. 23, 1871, TO DATE. STAGES ARE PUBLISHED ALSO BY THE NATIONAL WEATHER SERVICE. DISCHARGE, 1879 INTERMITTENTLY TO DATE. COMPUTED DAILY, 1928 TO DATE.

EXTREMES. HIGHEST, 60.21 FEET FROM FEB. 12 TO 14, 1937. LOWEST, MINUS 4.2 FEET ON JUL. 11, 1988. MAXIMUM, 2,041,000 CFS OBSERVED ON APR. 23, 1912 (STAGE, 54.1). DISCHARGE WAS AFFECTED AFTER APR. 6 BY NUMEROUS LEVEE CREVASSES DOWNSTREAM. MINIMUM, 81,000 CFS COMPUTED FOR AUG. 26, 1936 (STAGE, MINUS 0.16).

DAY	DAILY EIGHT A.M. STAGE IN FEET											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	GAGE ZERO, 141.70 FEET, N.G.V.D. OF 1929											
1	10.3	37.5	20.4	20.9	29.1	24.0	18.4	11.1	5.0	-1.4	-1.4	-0.1
2	9.1	38.1	19.0	19.3	29.6	23.7	19.0	11.4	4.6	-1.2	-0.8	1.8
3	8.7	38.3	18.2	17.9	30.0	23.2	19.6	11.7	4.4	-1.1	-0.3	3.8
4	8.9	38.7	18.6	17.0	30.2	22.8	20.0	11.8	4.2	-0.6	-0.3	5.1
5	9.3	39.0	19.7	16.4	30.6	22.7	20.6	11.8	3.8	0.3	-0.4	5.8
6	9.9	39.2	20.9	15.9	31.3	22.7	21.5	11.7	3.4	0.9	-0.3	5.5
7	10.3	39.5	22.0	16.6	31.6	22.5	22.6	11.8	3.1	1.4	0.5	4.4
8	10.4	39.7	23.1	18.1	31.4	22.5	23.0	11.6	2.7	1.6	1.7	3.0
9	10.7	39.7	24.3	19.2	31.4	22.6	22.9	11.1	2.0	1.4	2.7	1.8
10	11.2	39.6	25.3	19.7	31.6	22.9	22.2	10.6	1.4	1.9	3.3	1.2
11	11.5	39.4	26.3	19.8	32.0	22.8	21.5	10.2	1.1	2.3	3.6	1.0
12	11.7	39.2	27.3	19.6	32.1	22.7	20.6	9.8	1.1	2.2	3.5	1.5
13	13.0	38.7	28.6	19.1	32.1	22.4	19.6	9.7	0.7	2.1	2.8	4.2
14	16.5	38.1	30.4	19.0	31.9	21.9	18.4	9.4	0.5	2.5	1.6	6.5
15	20.0	37.3	31.5	19.5	31.5	21.0	17.5	8.9	0.3	2.3	0.4	7.3
16	21.8	36.5	32.1	20.0	31.0	20.4	17.1	8.5	0.1	2.0	-0.5	7.7
17	22.6	35.5	32.4	20.6	30.0	20.1	16.9	8.5	-0.1	1.9	-0.9	8.6
18	22.7	34.5	32.6	21.5	28.6	19.7	16.6	8.5	-0.4	1.7	-1.0	10.0
19	22.6	33.5	32.5	22.1	26.9	19.3	16.0	8.4	-0.7	1.1	-1.1	11.1
20	22.5	32.4	32.2	22.7	25.6	19.0	15.4	7.8	-0.9	0.4	-1.1	11.8
21	22.9	31.1	31.9	23.8	24.8	18.9	14.8	6.9	-0.9	0.1	-0.9	12.2
22	23.7	29.7	31.5	25.0	24.1	18.8	14.4	6.0	-0.9	-0.3	-1.3	12.3
23	25.2	28.4	31.2	25.9	23.6	18.6	13.8	5.4	-0.8	-0.6	-1.6	12.3
24	26.9	26.9	30.7	26.6	23.5	18.4	13.4	5.0	-0.9	-0.6	-1.7	11.9
25	28.6	25.3	30.1	27.1	23.8	18.3	12.9	4.4	-0.9	-0.9	-1.8	10.7
26	30.4	24.0	29.1	27.5	23.8	18.1	12.4	3.4	-1.0	-1.4	-2.0	8.9
27	32.1	22.9	28.0	28.1	23.6	18.4	12.0	2.9	-1.0	-1.8	-2.1	6.2
28	33.7	21.7	26.9	28.5	23.5	18.5	11.5	3.0	-1.1	-1.8	-2.1	3.4
29	35.0		26.0	28.6	23.5	18.3	11.3	3.6	-1.1	-1.3	-2.3	1.0
30	36.1		24.5	28.7	23.7	18.3	11.3	4.3	-1.3	-1.0	-1.7	-0.6
31	37.0		22.6		23.9		11.1	5.0		-1.4		-1.6

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	19.9	34.4	26.8	21.8	28.1	20.8	17.0	8.2	0.9	0.3	-0.2	5.8
MAX.	37.0	39.7	32.6	28.7	32.1	24.0	23.0	11.8	5.0	2.5	3.6	12.3
MIN.	8.7	21.7	18.2	15.9	23.5	18.1	11.1	2.9	-1.3	-1.8	-2.3	-1.6

HIGHEST STAGE WAS 39.82 ON FEB 8 AND 9.  
LOWEST STAGE WAS -2.32 ON NOV 29.