DAILY STAGES FOR 1994

MS126 MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. DATA COLLECTION PLATFORM ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.8	23.8	30.6	26.7	35.3	10.6	12.3	6.1	3.2	1.2	.6	6.9
2	8.1	25.0	30.9	27.7	34.7	10.3	13.0	6.7	2.5	2.0	.5	8.7
3	7.8	25.9	31.1	28.7	34.1	10.0	13.4	7.3	2.4	2.3	.3	10.3
4	7.7	26.5	31.0	29.3	33.5	9.6	13.3	7.6	2.4	2.2	.1	11.3
5	7.8	26.9	30.9	29.9	33.2	8.9	13.0	7.2	2.2	2.1	.0	11.6
6	8.0	27.0	30.8	30.5	32.4	8.5	12.4	6.2	2.1	2.3	.7	11.4
7	8.3	27.0	30.7	30.8	32.1	8.7	12.4	5.4	2.3	2.6	2.0	10.8
8	8.7	27.1	30.6	30.8	31.6	7.6	11.1	5.1	2.4	2.6	3.5	10.7
9	9.6	27.2	30.6	31.0	31.0	6.9	10.1	4.9	2.2	2.4	4.5	11.4
10	11.0	27.2	30.6	31.1	29.8	7.8	9.0	4.5	1.5	1.9	4.6	12.4
11	12.5	27.1	30.5	31.2	28.6	8.8	8.0	4.3	1.1	.9	4.9	13.5
12	14.0	26.6	30.4	31.4	27.6	9.8	8.0	4.4	.6	.0	5.6	14.6
13	15.5	25.9	30.5	31.4	27.0	10.3	8.1	4.3	.0	-.2	6.5	15.6
14	16.8	25.2	30.7	31.6	26.9	10.3	7.8	3.4	-.5	-.2	7.6	16.3
15	17.9	24.9	31.0	32.1	26.9	9.9	7.4	2.5	-.9	-.5	8.0	16.8
16	18.5	25.1	31.1	32.9	27.0	9.5	8.0	1.7	-1.1	-.6	7.4	17.3
17	18.7	25.5	31.2	33.8	27.0	9.1	8.6	.8	-1.0	-.2	6.6	17.5
18	18.0	26.1	31.3	34.8	26.8	9.1	8.7	.8	-.8	.1	6.1	17.2
19	16.9	26.6	31.2	35.7	26.0	8.5	8.0	1.7	-.9	.5	5.5	16.0
20	16.1	26.9	31.1	36.5	24.7	9.4	7.6	2.7	-1.3	1.0	5.2	14.4
21	15.4	27.3	31.1	37.0	23.0	9.4	7.8	3.6	-1.5	1.2	5.2	12.7
22	14.9	27.4	31.0	37.2	21.2	9.3	7.9	4.7	-1.6	1.3	4.6	11.9
23	12.8	28.2	30.8	37.3	19.4	9.0	7.9	5.5	-1.5	1.3	3.5	11.2
24	11.4	28.4	30.4	37.3	17.5	9.0	7.9	6.4	-1.0	1.3	3.5	10.1
25	10.9	28.6	29.7	37.1	15.6	8.7	7.3	7.6	-.7	1.1	3.5	8.9
26	11.2	28.9	28.1	36.8	14.3	8.4	6.6	8.4	-.9	.5	4.1	8.0
27	12.2	29.4	26.6	36.5	13.1	8.5	6.4	8.5	-1.3	.1	5.3	6.8
28	14.3	30.0	25.3	36.2	12.0	8.7	6.1	8.0	-1.7	.3	6.2	5.8
29	16.7	----	24.4	36.0	11.1	9.7	6.5	7.3	-1.4	.4	6.0	5.1
30	19.7	----	24.5	35.8	10.7	11.1	6.7	6.0	-.2	.5	5.8	4.7
31	22.2	----	25.5	----	10.8	----	6.4	4.4	----	.5	----	3.9
MEAN	13.3	26.8	29.8	33.2	24.7	9.2	9.0	5.1	.2	1.0	4.3	11.4
MAX	22.2	30.0	31.3	37.3	35.3	11.1	13.4	8.5	3.2	2.6	8.0	17.5
MIN	7.7	23.8	24.4	26.7	10.7	6.9	6.1	.8	-1.7	-.6	.0	3.9

THE MEAN STAGE FOR THE YEAR 13.9
HIGHEST STAGE WAS 37.33 23 APR 1994
LOWEST STAGE WAS -1.72 28 SEP 1994

DAILY STAGES FOR 1993

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. DATA COLLECTION PLATFORM ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	20.1	22.9	19.2	28.7	28.9	16.1	17.5	28.7	19.3	23.3	11.2	21.0
2	19.4	22.6	19.6	29.3	29.0	15.5	17.7	29.0	18.8	24.2	10.7	20.1
3	18.5	21.9	19.8	29.7	29.1	15.1	18.0	29.2	18.3	24.8	10.0	19.6
4	18.0	20.6	19.5	30.1	29.2	14.8	18.4	29.4	17.8	25.2	9.4	20.1
5	18.1	19.0	19.0	30.4	29.3	14.8	18.7	29.2	17.6	25.4	9.2	20.7
6	18.7	17.5	18.4	30.7	29.5	14.6	19.3	29.5	17.6	25.4	9.2	21.3
7	20.2	16.1	19.0	30.9	29.7	14.8	20.2	29.3	17.6	25.3	9.2	21.9
8	22.1	14.7	21.0	31.1	30.0	15.2	21.1	29.2	18.0	25.0	9.1	22.5
9	23.5	13.3	23.0	31.7	30.2	15.6	22.1	29.3	18.3	24.4	8.9	23.1
10	24.6	12.1	24.6	31.8	30.3	16.1	23.0	29.3	18.4	23.6	8.6	23.7
11	25.2	11.4	25.7	32.0	30.3	17.0	23.6	29.3	18.2	22.4	8.9	24.0
12	25.5	11.0	26.6	32.0	30.1	18.4	24.1	29.3	18.1	20.8	8.9	24.0
13	25.5	10.8	27.4	32.1	29.8	19.3	24.5	29.2	17.9	19.0	8.4	24.1
14	25.2	10.7	27.9	32.0	29.1	19.5	24.8	28.9	17.6	17.2	8.1	24.5
15	24.7	10.7	28.3	32.1	28.2	19.5	25.1	28.6	17.3	15.6	8.2	24.6
16	24.2	11.1	28.7	31.9	27.4	19.5	25.4	28.4	16.9	14.2	8.2	24.5
17	23.6	11.4	29.2	31.4	26.5	19.6	25.8	28.2	16.9	13.2	13.0	24.0
18	23.1	12.0	29.3	31.0	25.7	19.6	26.0	28.0	16.7	12.5	18.4	23.1
19	22.8	12.5	29.3	30.7	25.1	19.5	26.2	27.8	16.8	12.2	21.6	21.7
20	22.5	12.8	29.0	30.6	24.4	19.0	26.5	27.6	17.2	12.0	23.6	20.1
21	22.6	13.0	28.3	30.6	24.0	18.1	26.8	27.4	17.8	11.9	24.8	18.5
22	22.4	13.4	27.2	30.7	23.8	17.1	27.2	27.0	18.1	11.7	25.7	17.3
23	22.1	14.0	25.8	30.7	23.6	16.3	27.7	26.6	18.3	12.3	26.2	16.1
24	22.1	14.9	24.5	30.7	23.2	16.0	28.1	26.0	18.6	13.6	26.4	15.2
25	21.7	15.8	23.7	30.6	22.4	15.9	28.4	25.1	19.0	14.2	26.1	14.6
26	21.5	17.0	23.7	30.6	21.5	E 16.1	28.7	24.3	19.6	14.2	25.8	13.9
27	21.6	17.8	24.3	30.2	20.5	E 16.3	28.8	23.6	20.2	13.9	25.1	13.3
28	22.0	18.6	25.2	29.8	19.5	E 16.4	28.7	22.7	20.9	13.3	24.4	12.8
29	22.5		26.1	29.4	18.3	16.7	28.6	21.8	21.6	12.8	23.5	12.4
30	22.9		27.0	29.1	17.4	17.5	28.6	20.9	22.5	12.1	22.2	11.3
31	23.0		27.9		16.8		28.6	20.0		11.4		10.0

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

MEAN	22.26	14.97	24.78	30.74	25.90	16.99	24.45	27.18	18.40	17.65	15.76	19.48
MAX.	25.5	22.9	29.3	32.1	30.3	19.6	28.8	29.5	22.5	25.4	26.4	24.6
MIN.	18.0	10.7	18.4	28.7	16.8	14.6	17.5	20.0	16.7	11.4	8.1	10.0

E- ESTIMATED.
HIGHEST STAGE WAS 32.14 ON APR. 15.
LOWEST STAGE WAS 7.97 ON NOV. 16.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.2	9.2	13.1	17.8	20.5	2.6	3.4	16.5	1.4	10.7	-0.3	23.3
2	13.0	8.8	13.9	17.0	20.0	2.5	3.0	17.9	2.8	9.9	-0.3	23.1
3	12.9	8.0	14.9	17.2	19.0	3.2	2.4	18.7	4.4	9.0	-0.8	22.8
4	13.0	7.0	15.5	17.7	17.7	4.2	2.1	18.9	5.2	7.9	-0.7	22.5
5	13.1	6.1	15.8	18.0	16.4	4.8	1.9	18.7	5.1	6.3	-0.6	21.7
6	13.4	5.1	15.7	17.7	15.1	4.9	2.0	18.5	4.1	4.5	-0.1	20.5
7	14.1	4.0	14.9	17.0	14.1	5.2	3.7	18.1	2.5	3.1	0.9	18.9
8	15.0	3.1	13.7	16.1	13.2	5.5	4.8	17.4	1.2	2.2	2.1	17.7
9	15.6	2.5	12.2	15.1	12.6	5.8	5.6	16.4	0.3	1.2	3.7	15.4
10	15.6	2.1	12.2	14.0	12.1	5.9	5.8	15.0	0.1	0.2	5.5	14.2
11	15.2	1.6	11.8	12.8	11.7	6.5	5.4	13.8	0.6	-0.3	6.9	13.0
12	14.4	1.0	12.2	11.6	11.2	6.8	4.8	13.1	1.1	-0.3	7.8	12.0
13	13.3	0.7	14.1	10.5	10.7	7.4	4.3	12.7	1.2	-0.5	8.3	11.0
14	12.5	0.6	16.9	9.6	10.5	7.6	4.7	12.1	1.9	-0.8	9.0	10.3
15	11.7	0.6	19.0	8.9	10.6	7.8	5.8	11.4	2.9	-1.1	10.3	10.1
16	10.9	0.3	20.2	7.9	10.5	7.7	6.8	10.7	3.9	-1.2	11.5	10.4
17	9.9	0.1	20.8	7.2	10.0	7.2	7.0	9.9	4.3	-1.2	12.2	10.6
18	9.6	1.5	21.4	6.9	9.0	5.8	7.1	8.8	4.4	-0.3	13.9	11.2
19	10.2	3.3	21.4	6.9	7.6	4.2	7.8	7.8	4.0	0.6	14.7	13.2
20	10.8	5.1	21.0	7.3	6.4	3.0	9.8	7.1	3.5	1.3	14.6	15.7
21	10.7	6.9	20.4	8.2	5.6	2.4	12.1	6.6	3.1	1.8	14.5	18.0
22	10.0	8.3	20.2	9.9	5.1	3.5	13.5	6.1	3.3	2.0	14.3	19.7
23	9.0	9.4	20.6	12.4	4.6	6.2	14.0	5.6	3.8	2.5	14.2	21.2
24	7.5	10.4	21.0	14.7	4.4	8.1	14.0	4.8	4.8	2.9	14.4	22.4
25	6.1	11.5	21.6	16.4	4.4	8.3	13.6	3.4	6.3	2.7	16.5	23.1
26	5.0	12.2	22.4	17.9	4.4	7.6	13.1	2.0	7.5	2.0	19.1	23.4
27	4.3	12.2	22.8	19.1	4.5	6.6	13.0	1.1	9.0	1.3	21.1	23.3
28	4.3	12.7	22.7	20.0	4.3	5.2	13.2	1.0	10.3	0.5	22.3	22.7
29	5.0	12.7	22.1	20.5	4.1	3.9	13.4	1.0	11.1	0.4	23.0	22.0
30	6.6		21.2	20.7	3.8	3.6	13.9	0.9	11.2	0.5	23.3	21.4
31	8.4		19.5		3.2		14.9	1.0		0.3		20.7

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

MEAN	10.78	5.76	17.91	13.89	9.91	5.46	7.96	10.22	4.18	2.20	10.04	17.92
MAX.	15.6	12.7	22.8	20.7	20.5	8.3	14.9	18.9	11.2	10.7	23.3	23.4
MIN.	4.3	0.1	11.8	6.9	3.2	2.4	1.9	0.9	0.1	-1.2	-0.9	10.1

HIGHEST STAGE WAS 23.47 ON DEC 26.
LOWEST STAGE WAS -1.26 ON OCT 16 AND 17.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.6	16.6	30.1	27.1	22.6	23.1	10.4	0.9	-2.3	-1.9	-3.4	6.9
2	33.1	14.9	30.5	27.7	21.6	23.3	9.8	1.1	-2.7	-2.3	-2.6	6.2
3	33.8	14.0	30.5	28.1	21.1	22.5	8.8	1.0	-3.4	-2.6	-2.0	7.4
4	34.4	13.7	30.3	28.8	20.9	21.1	8.0	0.7	-3.6	-2.8	-1.6	9.3
5	35.0	13.6	30.0	29.3	20.8	19.7	7.8	0.3	-3.2	-3.0	-1.4	14.0
6	35.4	14.5	29.2	29.5	20.3	18.5	7.3	-0.4	-2.9	-3.4	-0.9	18.2
7	36.0	14.7	27.9	29.4	19.6	17.5	6.9	-0.8	-2.8	-3.6	-0.1	21.0
8	36.0	15.0	26.0	29.3	19.5	16.6	6.7	-0.9	-2.5	-3.7	0.4	22.8
9	35.9	16.0	24.3	28.9	19.5	15.8	6.5	-1.1	-2.2	-3.0	0.5	24.2
10	35.8	17.3	23.2	28.2	20.0	15.1	6.2	-1.2	-2.8	-2.0	0.7	25.3
11	36.0	19.0	22.4	26.4	20.6	14.3	5.5	-1.3	-3.9	-1.4	1.0	25.6
12	36.0	19.9	22.0	24.4	21.4	13.9	5.7	-0.9	-4.5	-1.4	1.2	25.6
13	35.8	20.8	21.8	22.7	22.2	13.2	6.9	0.0	-4.5	-1.7	1.0	25.6
14	35.7	21.4	21.8	21.7	22.6	12.1	8.1	0.1	-4.2	-2.1	0.6	24.7
15	35.6	21.7	21.5	21.6	22.5	11.7	8.9	0.0	-3.3	-2.5	0.4	23.1
16	35.6	21.9	21.2	21.3	22.4	11.6	9.0	0.0	-3.2	-3.2	0.2	21.8
17	35.3	22.1	20.8	22.2	21.9	12.0	8.2	-0.1	-3.5	-3.9	0.3	21.2
18	35.0	22.6	20.6	23.0	21.7	11.8	7.5	-0.2	-3.3	-4.5	0.4	21.1
19	34.6	23.1	20.5	24.5	21.3	11.5	7.3	-0.6	-2.7	-5.0	0.3	21.0
20	34.2	23.2	20.6	25.5	20.8	11.6	6.6	-0.8	-2.4	-5.4	1.7	20.7
21	33.6	23.7	21.0	26.1	20.1	12.0	5.5	-0.7	-2.3	-5.8	1.4	20.3
22	32.8	24.8	21.3	26.7	19.6	12.3	4.7	-0.7	-2.2	-6.1	1.0	19.2
23	31.9	26.0	21.6	27.1	18.9	12.5	4.1	-0.6	-2.1	-6.4	1.7	17.6
24	31.1	27.0	22.3	27.3	18.1	12.7	3.1	-0.2	-2.0	-6.4	2.9	15.9
25	29.9	28.0	23.1	27.4	17.4	12.8	2.4	-0.5	-1.9	-6.3	4.1	14.6
26	28.6	28.6	23.9	27.3	17.6	12.3	1.7	-1.2	-2.0	-6.2	5.6	13.5
27	27.0	29.3	24.5	27.0	16.9	11.9	1.4	-1.5	-2.3	-6.0	7.4	12.9
28	25.2	29.8	25.1	26.4	16.6	11.3	1.3	-1.5	-2.3	-5.8	8.5	12.8
29	22.9		25.7	25.5	17.5	10.9	1.2	-1.5	-1.8	-5.3	8.7	13.0
30	20.9		26.3	23.9	19.5	10.7	0.9	-1.7	-1.5	-4.6	7.8	13.4
31	19.6		26.7		21.7		0.7	-1.9		-4.3		13.4

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

MEAN	32.43	20.82	24.40	26.14	20.22	14.54	5.78	-0.52	-2.81	-3.95	1.53	17.81
MAX.	36.0	29.8	30.5	29.5	22.6	23.3	10.4	1.1	-1.5	-1.4	8.7	25.6
MIN.	19.6	13.6	20.5	21.3	16.6	10.7	0.7	-1.9	-4.5	-6.4	-3.4	6.2

HIGHEST STAGE WAS 36.09 ON JAN 8.
LOWEST STAGE WAS -6.40 ON OCT 23 AND 24.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-3.4	16.5	31.1	18.3	14.7	30.2	18.4	11.3	8.3	1.6	9.6	3.8
2	-2.9	17.1	30.6	17.6	13.9	30.2	18.1	9.9	8.1	1.2	9.1	4.5
3	-1.9	18.1	29.9	16.8	13.1	30.4	17.6	9.0	8.2	0.6	8.1	5.5
4	0.7	19.7	28.7	15.7	12.3	30.8	17.0	9.0	7.9	0.6	6.5	6.5
5	4.4	21.0	26.6	14.8	12.3	30.7	16.3	9.4	7.5	0.0	4.7	7.0
6	8.6	22.7	23.9	14.1	12.6	30.6	15.9	9.1	7.0	-0.4	3.1	7.8
7	11.5	24.1	21.2	13.1	13.2	30.4	15.5	8.6	6.6	-0.5	2.3	9.8
8	14.4	25.2	19.5	12.1	14.0	30.1	14.9	8.4	6.2	0.6	1.9	12.2
9	15.5	26.1	19.1	11.4	16.1	29.5	14.4	8.3	6.3	1.5	1.8	13.6
10	16.3	26.9	19.1	10.9	18.2	29.0	13.9	8.5	6.3	2.2	2.0	14.3
11	16.6	27.3	16.9	10.5	19.4	28.3	13.6	8.8	5.8	2.5	1.9	14.5
12	16.5	27.5	16.2	10.1	19.7	27.6	13.5	9.0	5.6	2.8	2.0	14.2
13	15.7	27.8	15.7	10.6	19.1	26.9	13.3	8.8	5.9	3.7	2.2	13.7
14	14.6	27.9	15.2	11.4	18.2	26.0	12.9	7.8	5.5	4.4	2.7	12.4
15	13.2	28.1	15.3	12.1	17.2	25.1	13.0	7.2	4.5	5.0	3.6	10.8
16	12.2	28.9	16.1	12.6	16.8	24.3	13.1	6.6	3.6	4.9	4.6	9.2
17	11.6	29.1	16.6	13.2	17.1	23.4	13.2	5.9	3.4	5.1	5.1	7.8
18	11.2	29.3	17.2	14.3	18.1	22.1	13.4	5.3	3.4	6.0	5.5	7.7
19	10.0	29.8	19.3	14.8	20.4	20.5	14.0	5.1	3.0	7.3	5.3	8.3
20	8.8	30.2	21.4	15.3	23.4	19.3	14.6	4.8	2.8	8.4	4.9	9.4
21	7.9	30.6	22.9	15.4	25.4	18.8	14.8	4.4	2.5	9.0	4.3	14.1
22	8.6	31.0	23.8	15.2	26.9	19.3	14.9	4.3	2.3	9.0	3.3	19.0
23	11.1	31.2	24.5	14.3	28.1	19.2	14.8	4.6	2.6	8.5	2.1	21.9
24	13.4	31.3	24.8	13.6	29.1	18.9	14.6	5.6	2.8	7.9	1.7	24.7
25	15.2	31.2	24.9	13.6	29.8	18.5	14.3	6.6	2.5	7.8	1.3	26.2
26	16.3	31.1	24.7	14.0	30.2	18.4	13.7	7.5	2.1	8.0	1.2	27.4
27	16.9	31.1	24.2	14.3	30.3	18.4	13.5	8.3	1.8	8.5	1.7	28.7
28	17.3	31.1	23.2	14.9	30.3	18.7	13.6	8.9	1.8	8.8	2.8	29.9
29	17.7		21.6	15.5	30.3	18.9	13.6	9.2	1.9	9.0	3.3	30.8
30	17.6		20.1	15.4	30.2	18.7	13.3	9.2	1.8	9.1	3.5	31.3
31	17.2		19.0		30.2		12.4	9.0		9.3		32.1

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

MEAN	11.38	26.85	21.71	13.87	20.98	24.45	14.51	7.69	4.60	4.92	3.74	15.45
MAX.	17.7	31.3	31.1	18.3	30.3	30.8	18.4	11.3	8.3	9.3	9.6	32.1
MIN.	-3.4	16.5	15.2	10.1	12.3	18.4	12.4	4.3	1.8	-0.5	1.2	3.8

HIGHEST STAGE WAS 32.43 ON DEC 31.
LOWEST STAGE WAS -3.46 ON JAN 1.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 10.70 FEET ON JUL. 10 AND 11, 1988. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.8	7.5	30.5	20.3	7.4	14.4	20.3	3.6	6.4	11.1	5.9	7.4
2	18.2	7.0	30.4	20.8	7.7	15.0	20.1	3.6	6.1	10.1	4.3	6.7
3	18.1	7.0	30.4	21.1	E 8.9	15.4	18.7	4.0	5.5	9.1	3.1	6.3
4	17.4	7.9	30.2	21.8	E 10.0	15.3	18.4	4.2	5.2	8.5	1.9	6.1
5	16.4	9.3	30.0	22.3	E 11.0	15.2	19.0	4.1	5.5	9.0	1.2	5.8
6	15.5	12.0	29.6	23.3	E 12.1	14.1	19.3	3.6	6.3	10.2	1.2	5.6
7	14.4	13.7	28.9	24.7	E 13.2	12.9	19.1	2.7	6.6	10.5	1.5	5.1
8	13.9	14.7	28.1	26.0	E 14.3	12.2	18.5	1.7	6.1	10.9	2.3	4.2
9	13.4	15.4	27.5	27.0	E 15.4	12.2	17.8	1.7	5.4	11.2	2.3	3.4
10	13.7	15.6	27.1	27.8	15.4	E 12.6	16.9	1.7	4.6	11.1	2.4	2.5
11	14.3	15.5	26.7	28.3	15.3	E 12.9	16.0	2.0	3.9	10.6	2.1	1.8
12	15.6	15.0	26.5	28.6	15.3	13.3	15.0	2.5	3.5	9.9	2.1	1.7
13	16.6	13.9	26.4	28.8	15.5	14.2	14.0	2.0	4.1	8.6	2.8	1.5
14	18.0	13.3	26.2	28.9	15.9	14.6	13.0	0.3	6.0	7.1	3.8	1.6
15	20.0	13.1	26.2	28.9	16.4	15.0	11.9	-0.9	7.6	5.6	4.7	1.9
16	21.4	15.3	26.1	28.7	16.6	15.9	11.2	-1.9	9.2	4.4	5.3	2.0
17	22.6	19.5	26.1	28.3	16.6	16.7	10.6	-2.7	10.6	4.3	5.6	1.8
18	23.6	22.8	26.0	27.7	16.7	17.3	10.2	-3.1	11.9	3.5	5.8	1.2
19	24.5	24.4	25.3	26.6	16.9	18.5	10.0	-3.4	11.8	2.8	6.5	0.6
20	25.0	25.0	24.4	24.8	17.0	19.3	9.0	-3.2	11.8	2.6	8.1	0.2
21	25.2	25.9	23.0	22.0	17.0	19.8	7.2	-3.0	12.1	3.5	9.8	-0.4
22	25.2	26.3	21.1	18.7	16.9	20.3	5.6	-2.7	12.4	4.7	11.3	-1.9
23	24.8	26.9	19.4	15.7	16.3	20.8	4.9	-2.5	12.5	6.5	12.8	E -2.7
24	24.2	27.5	18.5	13.6	15.7	21.2	4.8	-2.1	11.9	8.6	13.5	E -2.8
25	23.3	28.3	18.7	12.2	15.5	21.6	5.0	-1.1	10.7	11.2	13.7	-2.8
26	21.1	29.2	19.0	11.3	15.4	22.0	5.3	0.5	10.0	12.5	13.0	-3.4
27	E 18.1	29.9	19.4	10.4	15.1	22.0	5.6	1.8	9.5	13.3	12.2	-3.5
28	E 15.1	30.4	19.4	9.6	14.7	22.0	5.5	2.7	9.4	13.3	10.6	-3.3
29	E 12.2		20.1	8.8	14.1	21.6	5.0	3.5	10.1	12.2	9.4	-3.3
30	E 9.2		20.3	7.8	13.2	21.0	4.7	4.8	11.0	10.2	8.6	-3.7
31	8.0		20.5		13.9		4.3	5.8		8.0		-3.6

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

MEAN	18.27	18.30	24.90	21.49	14.37	16.98	11.83	0.98	8.24	8.54	6.26	1.16
MAX.	25.2	30.4	30.5	28.9	17.0	22.0	20.3	5.8	12.5	13.3	13.7	7.4
MIN.	8.0	7.0	18.5	7.8	7.4	12.2	4.3	-3.4	3.5	2.6	1.2	-3.7

E- ESTIMATED.
HIGHEST STAGE WAS 30.51 ON MAR 1.
LOWEST STAGE WAS -3.70 ON DEC 30.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK AT 427 WEST ILLINOIS AVENUE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.3	14.3	13.4	6.3	5.7	0.0	-10.4	-7.6	-8.9	-4.0	-7.0	15.1
2	25.2	12.1	12.4	E 8.8	5.0	-0.7	-10.1	-7.7	-8.5	-3.7	-7.4	13.8
3	24.8	11.1	11.2	E 12.3	4.5	-2.0	-10.0	-8.4	-8.4	-3.2	-8.0	12.2
4	23.8	12.2	10.1	14.8	3.9	E -3.5	-10.1	-9.0	-8.4	-3.7	-8.4	10.9
5	22.3	15.8	8.8	15.3	3.4	E -4.5	-10.2	-9.8	-8.7	-4.6	-8.4	9.3
6	20.2	18.4	8.0	15.6	3.0	-5.3	-10.3	-10.1	-9.0	-5.6	-7.9	7.9
7	E 18.3	19.6	8.3	15.7	2.9	-5.2	-10.4	-10.2	-8.9	-6.5	-7.4	6.6
8	E 16.5	20.4	10.3	16.4	2.6	-5.3	-10.5	-9.9	-8.8	-7.0	-6.9	5.5
9	15.0	20.7	12.7	17.2	2.4	-5.4	-10.6	-9.2	-8.9	-7.2	-6.1	4.2
10	14.0	20.9	14.7	18.0	2.2	-5.8	-10.7	-8.5	-8.8	-7.1	-5.1	2.3
11	E 12.0	21.0	16.3	18.4	2.5	-6.3	-10.7	-8.7	-8.6	-7.0	-4.0	0.4
12	7.2	21.0	17.3	18.5	3.1	-6.7	-10.6	-9.6	-8.1	-7.0	-3.0	-0.8
13	5.6	20.9	17.6	18.4	3.5	-7.0	-9.9	-10.1	-8.3	-7.4	-2.1	-1.2
14	3.9	20.6	17.3	18.1	3.6	-7.1	-9.3	-10.3	-8.9	-8.2	-1.9	-1.6
15	3.1	19.9	16.0	17.9	3.3	-7.3	-9.3	-10.2	-9.6	-9.0	-1.7	-1.7
16	2.9	E 18.4	14.6	17.7	3.1	-7.5	-9.6	-9.8	-10.1	-9.5	-1.3	-2.0
17	2.9	16.0	13.6	17.2	2.5	-7.9	-9.9	-9.6	-9.7	-9.7	-1.2	-2.9
18	2.5	14.2	13.1	16.5	2.0	-8.3	-10.0	-9.2	-9.4	-9.5	-1.3	E -4.2
19	2.2	13.1	12.8	15.0	1.5	-8.6	-9.8	-8.9	-8.2	-9.0	-0.9	E -5.3
20	4.9	12.5	12.4	13.6	0.7	-8.7	-9.8	-9.1	-7.9	-8.5	2.6	-6.4
21	5.4	12.0	11.9	12.4	-0.1	-8.7	-9.5	-9.3	-8.6	-8.1	3.4	-7.1
22	7.6	11.7	10.4	11.6	-0.5	-8.6	-9.6	-8.7	-9.4	-8.0	5.4	-7.4
23	14.2	11.8	9.0	11.2	-0.7	-8.6	-8.6	-7.9	-8.7	-8.4	9.1	-7.5
24	18.3	12.2	8.0	10.8	-0.5	-8.7	-6.0	-7.6	-7.0	-8.5	12.6	-6.5
25	20.3	13.1	6.9	10.1	0.0	-8.8	-4.3	-7.8	-5.4	-8.6	14.8	-4.7
26	21.0	13.9	6.0	9.1	0.4	-9.1	-3.6	-8.3	-5.7	-7.6	15.9	-2.6
27	21.1	14.4	5.1	8.4	0.7	-9.5	-5.0	-8.6	-5.9	-7.0	17.1	-0.2
28	21.1	14.4	4.4	7.5	1.0	-9.8	-6.7	-8.8	-5.6	-7.0	17.1	4.6
29	20.7	14.2	4.0	6.7	0.9	-10.2	-7.6	-9.0	-5.0	-7.1	17.0	8.6
30	19.3		4.2	6.2	0.6	-10.5	-7.5	-9.2	-4.6	-7.1	16.3	13.5
31	17.1		4.9		0.4		-7.3	-9.1		-6.8		16.3

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

MEAN	14.15	15.89	10.83	13.52	2.05	-6.85	-8.96	-9.04	-8.07	-7.15	1.38	2.23
MAX.	25.3	21.0	17.6	18.5	5.7	0.0	-3.6	-7.6	-4.6	-3.2	17.1	16.3
MIN.	2.2	11.1	4.0	6.2	-0.7	-10.5	-10.7	-10.3	-10.1	-9.7	-8.4	-7.5

E- ESTIMATED.
HIGHEST STAGE WAS 25.30 ON JAN. 1.
LOWEST STAGE WAS -10.70 ON JUL. 10 AND 11.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.1	9.6	15.4	11.9	17.0	6.7	2.2	-0.3	-1.2	-1.3	-5.6	-0.2
2	15.6	8.7	17.7	12.8	16.3	7.5	1.9	-0.1	0.6	-2.1	-5.9	0.9
3	15.5	8.2	20.1	14.2	16.0	8.6	1.5	-0.3	3.0	-2.4	-5.9	1.9
4	14.8	8.2	21.8	15.4	15.6	9.8	1.4	0.4	4.2	-2.6	-5.9	2.4
5	13.5	9.0	22.9	16.2	14.9	10.4	1.2	1.0	4.3	-2.7	-5.4	3.2
6	12.1	9.9	23.6	16.8	13.9	10.6	1.9	0.6	4.2	-3.0	-5.4	4.0
7	11.0	10.9	24.4	17.2	12.8	10.4	2.8	0.5	3.6	-3.3	-5.6	4.8
8	10.1	11.7	24.8	17.5	11.7	10.0	4.3	0.9	2.7	-3.5	-5.5	4.9
9	9.3	11.8	24.8	17.5	10.9	9.5	5.8	1.0	1.6	-3.6	-5.1	4.5
10	8.8	11.7	24.3	17.2	10.8	8.7	7.6	1.2	0.7	-3.4	-4.3	3.7
11	8.3	11.5	23.6	16.8	10.9	7.8	9.0	1.1	-0.2	-3.5	-4.1	3.1
12	7.4	11.1	22.5	16.7	10.8	6.5	9.7	0.3	-0.7	-3.8	-3.7	2.6
13	6.5	10.5	21.0	17.6	10.1	5.7	10.3	-1.0	-0.3	-4.8	-3.3	2.0
14	5.7	9.9	19.4	18.1	9.0	5.1	9.8	-1.6	0.0	-4.8	-2.7	1.6
15	5.3	9.3	17.5	18.6	7.9	4.9	9.4	-1.8	-0.3	-4.4	-2.4	1.9
16	5.2	8.9	15.5	19.8	6.6	4.9	9.3	-2.0	-1.0	-4.2	-3.0	2.5
17	5.1	8.4	14.6	E 20.9	5.6	5.2	9.6	-2.8	-1.6	-4.2	-2.1	3.1
18	4.9	8.0	14.2	E 22.0	5.0	5.0	10.0	-3.2	-1.3	-4.5	-2.7	3.6
19	4.7	7.8	13.5	E 23.1	4.3	4.1	10.0	-3.0	-0.8	-4.6	-2.7	4.2
20	4.4	7.6	12.5	24.2	3.8	3.6	9.6	-1.9	-0.8	-4.7	-2.6	4.3
21	4.6	7.4	11.7	24.7	3.6	3.3	8.9	-1.3	-1.2	-4.8	-2.6	4.1
22	5.8	7.2	10.9	24.8	3.2	3.3	8.0	-0.8	-1.4	-5.1	-2.4	4.1
23	7.6	7.7	10.6	24.8	3.0	2.6	6.8	0.4	-1.3	-5.4	-2.3	4.6
24	9.4	8.5	11.4	24.7	3.2	1.7	5.7	1.2	-0.8	-5.7	-2.4	6.2
25	10.9	9.2	12.6	24.6	4.3	1.6	4.5	1.0	0.5	-5.6	-3.1	10.8
26	12.5	10.1	13.3	24.3	5.2	1.7	3.2	1.2	1.6	-5.4	-3.1	14.4
27	13.3	11.8	13.1	23.7	6.5	2.2	2.0	1.2	1.9	-5.2	-2.5	16.8
28	13.7	13.4	12.5	22.2	7.3	2.7	1.0	0.7	1.6	-5.2	-1.5	20.0
29	13.6		11.7	20.6	7.5	2.9	0.4	-0.5	0.8	-5.1	-0.9	22.4
30	12.5		11.3	18.5	7.2	2.8	-0.2	-1.3	-0.2	-5.2	-0.8	23.9
31	10.9		11.5		6.7		-0.6	-1.7		-5.4		24.8

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

MEAN	9.61	9.57	16.92	19.58	8.75	5.66	5.38	-0.35	0.62	-4.16	-3.52	6.81
MAX.	15.6	13.4	24.8	24.8	17.0	10.6	10.3	1.2	4.3	-1.3	-0.8	24.8
MIN.	4.4	7.2	10.6	11.9	3.0	1.6	-0.6	-3.2	-1.6	-5.7	-5.9	-0.2

E- ESTIMATED.
HIGHEST STAGE WAS 25.20 ON DEC 31.
LOWEST STAGE WAS -5.94 ON NOV 2.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.0	10.6	20.0	17.2	12.0	18.9	5.0	6.2	0.0	13.2	16.1	19.3
2	9.9	9.3	19.6	15.8	11.3	18.5	5.1	5.8	0.0	13.7	16.3	21.2
3	8.8	8.1	19.2	14.7	10.1	17.9	5.2	5.4	-0.2	13.8	16.3	22.2
4	7.8	7.4	18.3	13.8	9.2	17.1	5.7	4.9	-0.3	14.2	16.2	22.6
5	7.1	7.2	17.2	12.9	8.7	16.7	6.3	4.2	-0.4	15.1	16.2	22.9
6	6.8	11.6	16.1	12.2	8.9	16.0	7.9	3.7	-0.8	16.2	15.9	23.2
7	6.4	15.2	15.1	11.5	9.4	15.3	9.5	3.5	-0.6	17.7	15.6	23.5
8	6.1	17.6	14.1	11.1	9.8	14.6	11.0	3.2	0.5	19.2	16.1	23.6
9	6.0	19.5	12.9	10.6	9.8	14.4	12.2	E 2.7	1.3	20.6	15.7	23.7
10	5.9	20.3	11.8	10.9	9.5	14.7	12.8	E 2.3	1.6	21.9	15.4	23.7
11	5.5	E 21.0	10.7	11.6	9.6	15.3	12.3	2.1	1.3	22.8	15.8	23.7
12	4.8	22.1	10.2	12.2	9.6	16.7	11.1	2.1	0.7	23.6	16.9	23.7
13	4.1	22.3	10.5	E 12.5	9.7	17.7	10.9	2.2	-0.5	23.9	17.9	24.1
14	3.4	22.8	11.0	12.4	9.9	17.9	11.9	2.2	-1.2	24.0	19.0	24.4
15	3.1	22.9	12.1	12.3	9.8	17.1	13.2	2.1	-0.8	24.0	20.0	24.5
16	2.8	22.9	14.1	12.1	10.1	16.2	14.5	2.0	-0.5	23.6	20.6	24.4
17	2.6	22.7	16.5	12.0	11.2	15.5	15.6	1.7	-0.7	23.2	20.7	23.9
18	2.3	22.5	18.5	11.7	13.7	14.8	16.5	0.9	-0.9	22.5	20.4	23.6
19	2.1	22.0	20.0	11.6	15.9	14.4	16.9	0.6	-0.3	21.9	19.5	23.2
20	1.9	21.4	21.2	11.6	16.3	14.0	17.2	0.8	1.2	21.4	18.1	23.0
21	2.0	20.8	22.0	11.6	15.8	13.3	16.8	1.8	1.4	20.9	16.2	22.2
22	2.1	20.3	22.8	11.6	15.4	12.2	16.1	2.8	2.4	20.3	14.4	20.8
23	2.6	20.0	23.2	11.9	15.5	11.3	15.0	3.2	2.7	19.7	13.2	19.2
24	3.5	20.1	23.3	12.4	15.8	10.8	13.7	3.1	2.6	18.8	12.4	17.5
25	5.2	20.5	23.4	12.6	16.8	9.9	12.3	2.9	3.5	18.4	11.9	16.3
26	7.2	20.8	23.6	12.7	17.8	8.8	10.9	2.6	5.3	17.6	12.2	15.1
27	8.6	20.8	23.7	12.7	18.5	7.9	9.8	2.2	7.2	17.0	12.8	14.4
28	9.1	20.3	23.3	12.7	19.1	6.8	8.9	1.6	9.1	16.7	13.1	13.9
29	10.8		22.3	12.7	19.3	5.9	8.2	0.9	10.8	16.5	14.5	13.7
30	11.7		20.6	12.5	19.2	5.4	7.5	0.2	12.1	16.3	16.9	14.0
31	11.4		18.8		19.0		6.8	-0.1		16.1		14.5

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

MEAN	5.89	18.32	17.94	12.47	13.12	13.87	11.19	2.57	1.88	19.19	16.21	20.84
MAX.	11.7	22.9	23.7	17.2	19.3	18.9	17.2	6.2	12.1	24.0	20.7	24.5
MIN.	1.9	7.2	10.2	10.6	8.7	5.4	5.0	-0.1	-1.2	13.2	11.9	13.7

E- ESTIMATED.
HIGHEST STAGE WAS 24.50 ON DEC. 15.
LOWEST STAGE WAS -1.20 ON SEP. 14.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.6	E 5.0	26.8	18.9	14.0	10.9	7.7	-0.4	5.6	0.2	9.9	28.2
2	23.0	E 4.5	28.1	20.2	14.8	10.2	7.1	0.1	4.8	0.5	10.4	28.0
3	24.1	E 4.3	29.2	22.7	15.1	9.3	6.3	0.7	4.8	0.7	10.5	27.9
4	25.3	4.4	30.1	23.7	14.9	8.8	5.5	1.6	4.6	1.1	10.2	27.9
5	26.3	8.7	30.9	24.9	15.8	8.6	5.1	2.5	3.9	1.3	9.9	28.1
6	27.0	10.9	31.6	E 25.5	16.9	8.8	5.6	3.1	3.2	1.6	10.4	28.4
7	27.4	12.9	32.0	E 26.3	17.8	9.8	E 5.9	3.0	3.1	2.5	11.5	28.7
8	27.3	13.9	32.3	26.6	18.5	10.8	6.1	3.2	4.5	3.5	12.0	28.9
9	26.7	14.1	32.5	27.0	18.6	11.6	5.9	2.8	4.2	4.0	12.4	28.9
10	25.8	14.0	32.7	27.3	18.1	12.0	E 5.4	1.7	2.8	3.9	13.0	28.8
11	24.9	13.8	32.8	27.5	17.0	12.3	5.0	1.1	1.7	3.8	13.7	28.7
12	24.0	13.5	32.9	27.6	16.4	12.5	4.6	1.2	1.0	3.5	14.3	28.8
13	23.2	13.6	32.8	E 27.5	14.9	12.9	4.8	1.3	0.5	3.1	15.1	28.5
14	22.3	14.3	32.6	E 27.1	12.8	13.5	5.2	1.4	-0.1	2.6	16.1	28.1
15	21.0	15.0	32.2	26.4	11.7	14.3	5.4	1.2	-0.7	3.0	16.9	27.8
16	19.3	15.7	31.7	25.3	10.7	14.3	5.4	1.0	-1.3	5.2	17.7	27.4
17	17.4	16.6	31.2	24.2	10.3	13.5	5.3	0.5	-1.5	8.4	19.0	26.9
18	15.6	16.6	30.7	23.0	E 10.4	12.7	4.6	0.8	-1.8	10.5	19.4	26.0
19	14.1	16.4	30.2	21.5	E 11.0	12.0	3.7	2.0	-2.3	11.4	20.9	25.1
20	12.9	16.2	29.8	20.3	11.8	11.3	3.2	4.0	-2.6	11.5	22.2	24.0
21	12.2	15.7	29.3	19.0	12.0	11.1	2.9	5.4	-2.3	11.1	23.3	23.2
22	E 11.4	15.1	29.1	17.7	12.2	11.6	2.8	6.0	-2.1	10.6	24.4	22.6
23	9.5	14.9	28.5	17.0	12.1	12.1	2.2	6.5	-2.2	11.0	25.3	22.1
24	8.9	15.8	27.8	17.1	12.0	11.9	1.1	6.7	-2.0	12.0	26.1	21.5
25	8.6	17.8	26.7	16.2	12.0	11.2	0.3	6.5	-1.7	12.7	26.8	E 20.2
26	8.0	21.3	25.1	15.0	11.6	9.9	-0.1	5.8	-1.2	13.1	27.4	18.3
27	E 7.6	23.8	23.2	14.2	10.9	8.7	0.3	6.4	-1.3	13.1	28.4	16.8
28	6.9	25.5	21.5	13.8	10.1	8.3	-0.3	6.6	-1.1	12.4	28.6	16.0
29	6.3		19.8	14.1	10.0	8.0	-0.7	6.4	-0.9	11.5	28.6	E 14.5
30	5.9		19.0	14.1	10.3	7.9	-0.7	6.5	-0.4	10.5	28.4	13.0
31	5.5		18.7		10.8		-0.6	6.3		9.9		12.2

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

MEAN	17.45	14.08	28.77	21.72	13.40	11.03	3.71	3.29	0.64	6.78	18.43	24.37
MAX.	27.4	25.5	32.9	27.6	18.6	14.3	7.7	6.7	5.6	13.1	28.6	28.9
MIN.	5.5	4.3	18.7	13.8	10.0	7.9	-0.7	-0.4	-2.6	0.2	9.9	12.2

E- ESTIMATED.
HIGHEST STAGE WAS 32.90 ON MAR. 12.
LOWEST STAGE WAS -2.60 ON SEP. 20.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.7, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.0	11.2	20.9	29.4	31.3	27.5	18.3	9.9	1.8	0.6	9.9	15.6
2	11.8	11.4	20.5	30.0	31.8	26.3	18.3	9.9	1.6	-0.2	10.3	17.2
3	12.1	11.1	20.5	31.0	32.7	25.3	18.0	9.6	1.5	-0.9	11.0	18.2
4	12.6	10.4	20.5	31.4	33.1	24.5	17.8 E	9.1	1.5	-1.2	13.2	18.4
5	12.9	9.6	21.8	31.6	E 33.1	24.0	17.6 E	8.7	1.9	-1.1	15.4	18.3
6	12.6	8.7	22.5	31.7	E 33.2	23.5	17.7	8.4	2.4	-0.9	16.8	18.0
7	11.6	8.3	23.2	32.0	33.3	23.1	18.3 E	8.2	2.6	-0.4	17.8	17.3
8	10.5	8.6	23.8	32.3	34.0	22.2	18.8 E	7.9 E	2.0	-0.1	18.4	16.1
9	9.5	8.8	24.6	32.6	34.3	20.9	19.1	7.6 E	1.7	0.0	18.3	14.7
10	9.0	9.0	24.8	32.8	34.6	19.4	19.1	7.4	0.9	0.1	18.1	13.3
11	8.5	8.9	24.8	33.0	35.1	17.9	19.2	6.6	0.3	0.0	17.1	12.2
12	8.3	8.8	24.6	33.0	35.8	16.4	19.6	6.2	-0.4	-0.1	16.0	11.2
13	8.3	9.2	24.2	33.0	36.6	15.3	19.3	6.0 E	-0.1 E	-0.5	15.2	10.4
14	8.6	8.9	23.4	32.9	37.2	15.1	18.9	5.8	1.2 E	-0.8	15.0	9.7
15	8.6	9.8	22.0	32.8	37.8	15.5	18.3	6.0 E	1.7	-0.9	15.4	9.4
16	8.2	11.7	19.9	32.8	38.3	16.0	17.8	6.2 E	2.0	-1.1	15.7	10.0
17	7.8	13.7	17.9	32.6	38.5	16.6	17.3	7.1	2.0	-0.8	15.6	11.3
18	7.1	15.9	16.7	32.4	38.7	16.7	16.9	7.9	1.2	-0.4	15.6	12.3
19	6.6	17.8	16.7	32.0	38.7	16.9	16.4	8.2	0.4	-0.1	15.5	13.2
20	6.2	19.2	18.1	31.5	38.6	17.1	15.7	8.2	0.4 E	0.3	14.4	14.5
21	5.9	20.3	19.9	30.7	38.6	17.1	14.9	8.2	0.8 E	1.1	13.5	15.5
22	5.9	21.1	21.7	29.7	38.4	17.2	14.3	7.6 E	1.0	2.4	13.9	16.2
23	5.7	21.8	23.1	28.4	38.2	17.5	13.9	6.9 E	0.9	4.0	15.4	17.2
24	5.6	22.9	24.4	27.3	37.6	17.9	13.5	5.8	0.4	6.8	16.8	19.3
25	5.4	23.0	25.4	26.7	36.8	18.1	E 13.1 E	5.0	-0.2	9.6	17.6	20.7
26	4.9	23.2	26.2	26.9	35.9	18.3	11.9	4.0	0.0	11.1	17.7	21.8
27	4.8	23.0	26.6	27.6	34.7	18.3	11.0	3.1	0.9	E 11.3	17.0	22.4
28	5.6	22.5	27.3	28.7	33.5	18.2	E 10.5	2.7	1.9	E 11.2	15.8	22.7
29	7.0	21.7	27.7	29.6	32.0	18.1	E 10.2	2.3 E	2.2	10.9	14.4	22.9
30	8.7		28.4	30.6	30.3	18.2	10.1	2.0 E	1.4	10.3	14.3	22.8
31	10.3		28.7		28.8		9.9	1.9		10.0		22.6

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

MEAN	8.47	14.50	22.93	30.90	35.21	19.30	15.99	6.59	1.20	2.59	15.37	16.30
MAX.	12.9	23.2	28.7	33.0	38.7	27.5	19.6	9.9	2.6	11.3	18.4	22.9
MIN.	4.8	8.3	16.7	26.7	28.8	15.1	9.9	1.9	-0.4	-1.2	9.9	9.4

E- ESTIMATED.
HIGHEST STAGE WAS 38.70 ON MAY 18 AND SUBSEQUENT DAYS.
LOWEST STAGE WAS -1.20 ON OCT. 4.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 30.2	12.5	14.4	18.0	31.7	38.4	12.9	7.8	0.6	-1.1	8.4	19.6
2	E 31.0	12.2	14.4	18.2	31.3	38.2	12.5	6.5	1.1	-0.8	6.6	21.0
3	31.7	12.2	14.0	18.6	31.7	37.7	12.3	5.7	0.9	-0.6	5.2	22.9
4	32.1	12.1	13.5	19.6	32.0	37.3	12.5	5.0	1.0	-0.7	4.5	23.8
5	32.2	12.4	13.0	20.8	32.8	36.7	13.5	4.5	1.2	-0.5	3.7	24.3
6	32.4	13.6	13.2	21.8	33.8	35.8	14.5	4.4	0.9	-0.6	2.9	25.0
7	32.1	15.3	13.0	22.8	34.9	34.5	14.9	4.2	-0.2	-0.9	2.6	25.6
8	31.7	16.4	13.5	24.2	36.1	33.0	15.0	4.1	-1.1	-1.0	3.2	26.3
9	30.7	17.1	14.6	25.8	37.0	31.3	14.9	4.2	-1.7	-1.4	4.5	26.8
10	29.1	17.6	16.2	27.0	37.8	29.6	14.5	4.0	-1.3	-1.9	5.9	27.0
11	26.7	18.0	17.2	28.4	38.3	27.9	14.3	4.1	-0.5	-1.9	6.8	27.0
12	24.0	17.9	17.8	29.8	38.7	26.1	13.8	4.2	-0.3	-2.4	6.6	26.6
13	21.3	17.5	18.2	30.9	39.0	23.9	13.5	E 3.9	-0.7	-2.7	5.8	26.0
14	19.1	17.0	18.1	32.1	38.9	21.4	13.2	E 3.1	-1.2	-2.9	5.3	25.5
15	17.2	16.4	17.9	33.1	39.2	19.1	12.8	2.6	-1.8	E -2.9	5.1	25.2
16	15.8	15.9	17.6	33.7	39.1	17.4	E 12.2	2.5	-1.9	E -2.5	5.6	25.1
17	14.7	15.6	17.1	34.3	38.9	16.0	E 11.6	2.1	-1.2	-2.0	6.6	E 25.1
18	13.9	15.4	16.6	34.8	38.6	14.9	10.9	2.0	-1.4	-2.1	7.6	E 25.2
19	13.1	14.8	15.9	35.3	38.9	14.2	10.4	2.0	-2.6	-2.0	8.0	24.7
20	12.1	14.4	15.3	35.3	38.5	13.8	9.7	1.8	-3.5	-1.3	8.7	24.0
21	11.2	14.0	14.8	35.2	38.5	13.8	9.3	1.5	-3.2	-1.0	8.0	E 23.5
22	10.5	14.2	14.3	35.1	38.5	13.9	9.5	1.0	-2.8	-0.9	8.4	22.4
23	10.3	14.7	14.4	35.0	38.4	14.1	9.5	0.8	-2.5	-0.5	10.3	20.8
24	9.5	15.1	15.3	35.2	38.2	14.8	9.2	0.6	-2.5	1.1	11.9	E 19.0
25	9.5	14.9	16.1	35.0	38.2	15.3	8.7	0.4	-2.3	4.5	12.7	17.4
26	10.5	14.4	17.0	34.6	38.3	15.4	8.6	0.6	-1.7	7.2	13.9	E 16.1
27	11.9	14.3	17.8	34.2	38.5	15.1	8.8	1.0	-1.6	9.3	15.6	15.3
28	13.0	14.4	18.1	33.6	38.6	14.7	9.3	1.0	-1.8	10.5	17.5	14.6
29	13.5		18.1	33.0	38.7	14.1	10.1	1.0	-1.9	10.9	18.3	14.3
30	13.6		18.2	32.3	38.7	13.3	10.3	0.7	-1.7	10.9	18.7	13.9
31	13.0		18.1		38.6		9.5	0.5		10.1		12.9

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

MEAN	19.92	15.01	15.93	29.59	37.11	23.06	11.70	2.83	-1.19	0.96	8.30	22.16
MAX.	32.4	18.0	18.2	35.3	39.2	38.4	15.0	7.8	1.2	10.9	18.7	27.0
MIN.	9.5	12.1	13.0	18.0	31.3	13.3	8.6	0.4	-3.5	-2.9	2.6	12.9

E- ESTIMATED.
HIGHEST STAGE WAS 39.20 ON MAY 15.
LOWEST STAGE WAS -3.50 ON SEP. 20.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 7.3 FEET ON JAN. 20 AND 21, 1981. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 11.1	23.3	28.0	30.8	16.7	15.8	9.5	10.0	6.1	2.9	1.9	15.0
2	E 11.1	23.9	28.1	30.6	16.1	16.7	9.2	9.1	7.3	2.1	1.9	16.2
3	E 10.5	24.9	28.0	30.4	15.7	18.3	9.3	8.4	8.6	1.6	1.9	17.1
4	9.6	25.8	27.7	30.0	15.4	20.2	9.9	8.1	10.0	1.1	2.0	19.2
5	8.8	26.2	27.2	29.1	14.9	21.6	10.7	7.6	12.0	0.5	2.3	20.8
6	9.0	26.2	26.4	27.9	14.1	22.5	11.0	7.2	14.1	-0.2	2.8	23.4
7	12.3	26.1	25.1	26.8	13.6	22.7	11.9	6.8	15.5	-0.3	3.6	25.6
8	15.4	25.8	23.5	25.9	13.6	22.2	12.8	6.4	15.0	0.3	5.0	26.8
9	E 17.1	25.6	21.7	25.4	13.2	21.6	14.1	6.1	13.4	E 0.2	5.8	28.0
10	E 17.8	25.4	20.3	24.8	12.9	21.3	15.3	5.8	11.5	E 0.5	5.7	29.1
11	18.4	25.1	19.3	24.2	12.7	21.3	15.8	5.7	9.9	E 0.3	5.8	30.1
12	E 18.5	25.0	18.6	23.4	12.4	21.4	15.8	6.2	8.2	0.4	5.7	30.5
13	18.2	24.8	18.0	22.3	12.1	21.9	15.0	7.1	6.4	0.6	5.0	30.8
14	17.5	24.4	17.6	21.3	12.2	22.4	14.6	7.8	5.3	1.4	E 4.1	30.9
15	16.2	24.4	17.6	20.3	12.3	22.9	14.2	7.6	4.6	2.0	3.2	30.9
16	E 14.2	24.0	18.0	19.4	12.0	23.1	13.2	7.5	4.6	2.8	3.1	30.7
17	E 11.8	23.2	19.1	19.1	11.5	23.0	12.2	6.5	5.3	4.3	3.3	30.2
18	9.6	22.3	20.8	18.8	10.5	22.8	11.5	5.0	5.6	4.9	4.0	29.5
19	7.6	21.4	22.3	18.6	9.7	22.4	10.9	4.6	6.1	4.6	5.4	28.9
20	6.1	20.4	24.0	18.9	9.1	21.9	10.5	6.9	7.0	4.3	7.2	28.3
21	5.2	20.5	25.2	19.3	9.4	21.6	10.6	9.0	7.6	4.1	7.9	27.6
22	4.6	21.8	26.4	19.8	10.1	21.2	10.8	9.6	7.8	3.8	8.5	27.0
23	E 4.6	23.2	27.3	20.5	10.7	20.5	11.1	9.6	7.3	3.5	8.9	26.4
24	E 5.6	24.3	28.0	20.9	11.8	19.6	11.8	8.3	6.7	3.2	9.4	25.7
25	9.3	25.5	28.7	20.9	13.0	18.4	12.8	6.9	6.3	2.9	10.1	E 25.5
26	15.3	26.4	29.2	20.8	13.8	16.9	13.6	5.7	5.9	2.6	10.8	25.4
27	18.5	27.2	29.8	20.3	14.0	15.2	14.1	5.1	5.5	2.3	E 11.7	25.8
28	20.4	27.6	30.1	19.2	14.1	13.4	14.2	4.7	5.1	2.0	E 12.8	26.6
29	21.6		30.5	18.0	14.8	12.4	13.8	4.3	4.1	1.8	13.3	27.5
30	E 22.4		30.7	17.2	15.3	10.4	12.6	4.5	3.2	1.9	13.9	28.4
31	23.3		30.9		15.4		11.2	5.1		2.1		29.3

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

MEAN	13.28	24.45	24.78	22.83	13.00	19.85	12.39	6.88	7.87	2.08	6.23	26.36
MAX.	23.3	27.6	30.9	30.8	16.7	23.1	15.8	10.0	15.5	4.9	13.9	30.9
MIN.	4.6	20.4	17.6	17.2	9.1	10.4	9.2	4.3	3.2	-0.3	1.9	15.0

E- ESTIMATED.
HIGHEST STAGE WAS 30.90 ON DEC 14 AND SUBSEQUENT DAYS.
LOWEST STAGE WAS -0.30 ON OCT 7.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-23, LONG. 90-04-36. MILE 734.4, APPROXIMATELY EIGHTEEN HUNDRED FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER ON SOUTHWEST CORNER OF AMERICAN COMMERCIAL LIQUID TERMINAL OIL DOCK.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 6.0 FEET ON FEB. 6, 1977. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-5.4	-4.4	15.3	-0.3	15.7	21.1	17.5	15.9	1.7	-1.7	3.2	0.9
2	-5.7	-3.6	16.4	0.4	14.6	20.1	17.4	16.9	1.7	-1.3	4.5	1.5
3	-5.8	-2.4	17.1	1.9	13.3	19.5	16.9	17.8	2.5	-0.9	5.5	2.4
4	-5.7	-1.9	17.4	3.3	11.9	19.3	16.1	18.2	3.7	-0.6	6.0	4.5
5	-5.6	-0.7	17.6	4.9	10.8	19.5	15.5	17.8	5.3	-0.5	5.9	6.1
6	-5.1	1.9	17.3	5.5	10.1	20.4	15.0	16.7	6.9	-0.7	5.7	7.0
7	-5.0	4.5	17.3	4.8	10.0	21.1	15.0	15.3	8.2	-1.0	5.1	7.3
8	-5.2	6.9	16.9	4.0	10.5	21.6	15.3	13.8	9.1	-1.0	4.8	7.8
9	-5.5	8.6	16.2	4.6	11.0	22.2	15.8	12.5	9.6	-0.7	6.3	8.1
10	-6.2	8.9	15.4	6.4	11.0	23.0	16.5	11.6	9.7	-0.5	7.7	8.0
11	-6.5	8.5	14.4	7.7	10.5	23.4	17.2	11.3	9.5	-0.4	7.5	7.3
12	-6.6	7.7	13.5	8.4	9.8	23.5	17.5	10.9	8.8	-0.5	6.8	6.1
13	-6.6	5.3	13.0	8.6	9.3	23.2	17.3	10.5	7.5	-0.5	5.8	5.1
14	-6.5	4.4	12.3	8.1	9.4	22.7	16.3	10.4	6.1	-0.4	5.0	4.0
15	-6.6	4.0	11.3	7.4	9.8	22.5	14.7	9.9	5.1	-0.3	4.2	3.3
16	-6.5	3.8	9.9	7.1	10.3	22.5	13.2	8.8	4.5	-0.3	3.4	2.8
17	-6.6	3.7	8.1	7.5	11.3	22.5	11.8	7.9	4.0	-0.1	2.8	2.6
18	-6.7	4.0	6.3	8.9	12.0	22.5	10.6	7.3	3.5	0.3	2.0	2.4
19	-7.1	4.7	4.5	11.2	12.6	22.5	9.9	6.9	2.9	0.3	1.1	1.9
20	-7.3	5.1	2.9	13.4	13.7	22.4	9.6	6.6	2.7	0.4	0.3	1.6
21	-7.3	5.1	2.1	15.1	16.2	22.1	9.8	6.3	2.4	0.7	-0.4	1.5
22	-7.2	5.6	1.6	15.9	19.4	21.9	9.7	6.0	1.9	1.6	-0.8	1.3
23	-7.0	7.3	1.4	16.7	21.6	21.7	10.1	6.1	1.4	2.3	-1.0	0.8
24	-6.9	10.0	1.0	16.8	23.2	21.2	11.3	5.9	0.7	2.4	-0.9	0.4
25	-6.8	12.1	0.8	17.5	24.1	20.6	12.6	5.0	0.3	2.6	-0.8	0.8
26	-6.7	13.3	0.6	18.0	24.9	20.0	13.3	4.1	-0.3	2.8	-0.3	2.8
27	-6.7	13.9	0.1	17.9	24.7	19.4	13.8	3.6	-0.8	2.6	0.3	5.4
28	-6.6	14.6	-0.4	17.6	24.4	18.8	14.2	3.4	-1.5	2.4	0.7	7.5
29	-6.0		-0.6	17.4	23.9	18.0	14.5	3.1	-2.0	2.3	0.6	8.8
30	-5.4		-0.9	16.8	23.2	17.5	14.7	2.8	-2.1	2.5	0.5	9.8
31	-4.9		-0.9		22.4		15.1	2.0		2.8		10.8

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

MEAN	-6.25	5.39	8.64	9.78	15.34	21.22	14.14	9.53	3.77	0.47	3.05	4.54
MAX.	-4.9	14.6	17.6	18.0	24.9	23.5	17.5	18.2	9.7	2.8	7.7	10.8
MIN.	-7.3	-4.4	-0.9	-0.3	9.3	17.5	9.6	2.0	-2.1	-1.7	-1.0	0.4

HIGHEST STAGE WAS 24.90 ON MAY 26.
LOWEST STAGE WAS -7.30 ON JAN. 20 AND 21.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF THE NATIONAL WEATHER SERVICE. (WEATHER SERVICE STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 6.0 FEET ON FEB. 6, 1977. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.3	12.7	13.1	30.8	16.8	12.6	7.7	2.8	8.7	2.4	0.4	2.8
2	18.5	11.5	13.7	31.3	14.7	11.6	7.9	1.7	6.2	2.0	0.4	3.5
3	18.6	10.3	13.8	31.4	13.4	10.0	8.5	2.3	4.2	2.4	0.3	3.5
4	18.5	9.2	13.2	31.7	12.4	8.7	8.7	2.7	2.7	2.9	0.2	3.5
5	18.1	8.2	12.0	31.8	12.1	7.5	8.7	3.3	1.9	2.6	0.5	3.4
6	17.3	7.5	10.5	31.8	12.1	7.1	8.8	3.3	2.2	2.5	0.3	2.2
7	16.2	6.7	9.4	31.8	12.2	8.5	9.2	2.4	3.4	2.3	-0.2	1.0
8	14.6	5.6	8.7	31.9	12.4	11.3	9.6	1.6	4.2	1.6	-0.2	0.2
9	13.1	4.5	8.7	31.5	12.0	13.8	9.3	1.5	4.5	1.3	-0.4	0.5
10	11.9	3.5	9.8	30.8	11.1	15.5	8.5	2.4	5.2	1.6	-0.8	0.7
11	11.2	3.0	12.4	30.0	9.9	16.5	7.5	3.1	6.2	1.4	-1.1	0.6
12	10.8	2.8	15.0	29.6	8.5	16.7	6.4	3.6	6.4	1.3	-1.5	0.3
13	10.6	3.1	16.8	29.0	7.3	16.4	5.7	3.8	6.0	0.9	-2.1	1.0
14	10.5	3.6	18.1	28.8	6.0	15.8	5.9	3.7	5.2	0.6	-2.3	2.2
15	10.7	3.5	18.8	28.1	5.0	15.3	6.4	3.4	3.8	-2.2	-2.5	5.2
16	11.8	3.3	19.2	27.5	4.5	14.8	7.2	3.0	2.9	-2.5	-2.9	7.1
17	13.1	3.6	20.2	27.1	4.5	14.4	8.0	3.9	2.6	-3.0	-2.4	7.3
18	14.0	4.0	20.3	27.0	4.8	13.9	8.5	5.2	2.4	-3.6	-1.9	6.4
19	14.5	4.8	20.7	27.1	5.6	13.4	8.7	6.8	2.5	-3.4	-1.9	5.2
20	14.7	5.8	21.4	27.3	6.7	12.9	8.2	8.5	2.8	-3.4	-1.6	3.7
21	14.6	6.6	22.7	27.4	9.2	12.6	7.2	9.2	2.8	-3.8	-1.0	2.7
22	14.4	7.4	23.3	27.3	12.0	12.4	5.6	9.3	3.3	-3.0	-0.3	0.9
23	14.4	8.4	24.3	27.2	13.8	12.1	3.8	9.2	3.3	-1.2	0.6	-0.4
24	14.5	9.0	25.5	26.9	14.3	12.1	1.8	9.6	3.4	-1.8	1.3	-1.0
25	14.7	9.0	26.5	26.6	14.2	12.0	0.6	10.7	3.6	-2.6	1.6	-1.3
26	15.0	9.0	27.3	26.1	13.9	11.2	0.6	11.5	3.9	-2.8	1.1	-2.0
27	15.4	9.2	27.9	25.2	13.9	10.6	1.6	12.0	3.9	-2.8	0.6	-3.0
28	15.3	10.2	28.8	23.7	14.0	10.2	2.5	12.0	3.8	-2.4	0.9	-3.6
29	14.8	11.9	29.6	22.0	14.2	9.5	3.4	11.7	3.3	-2.7	1.8	-4.5
30	14.2		30.0	19.5	14.1	8.4	4.3	11.3	2.9	-1.7	2.6	-4.5
31	13.6		30.7		13.6		3.9	10.4		-0.3		-5.0

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

MEAN	14.45	6.82	19.11	28.27	10.94	12.26	6.27	6.00	3.94	-0.56	-0.35	1.24
MAX.	18.6	12.7	30.7	31.9	16.8	16.7	9.6	12.0	8.7	2.9	2.6	7.3
MIN.	10.5	2.8	8.7	19.5	4.5	7.1	0.6	1.5	1.9	-3.8	-2.9	-5.0

HIGHEST STAGE WAS 31.99 ON APR. 8.
LOWEST STAGE WAS -5.00 ON DEC. 31.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U.S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 6.0 FEET ON FEB. 6, 1977. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

MEAN. NOT COMPUTED FOR PERIOD OF RECORD.

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, N.G.V.D. OF 1929

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.4	24.4	25.9	30.9	34.7	18.0	13.2	16.5	16.0	18.5	5.9	22.1
2	15.8	24.2	27.0	31.9	33.5	18.6	12.5	17.5	16.7	18.0	6.3	23.0
3	15.8	23.8	28.1	32.3	32.1	19.3	11.5	18.0	16.9	17.3	5.9	23.4
4	16.6	23.0	29.6	32.9	31.2	20.0	10.0	18.1	16.9	16.6	5.8	23.7
5	17.9	21.7	30.3	33.3	30.1	20.2	9.5	18.2	16.8	16.1	7.0	23.8
6	19.3	19.7	31.1	33.8	29.3	20.0	9.6	18.1	16.6	16.0	8.8	23.9
7	20.4	17.3	31.8	34.2	28.7	19.5	9.6	17.6	16.0	15.7	10.0	23.4
8	21.1	14.9	33.0	34.7	28.6	18.4	9.6	16.6	14.9	15.2	11.1	22.7
9	21.6	12.8	34.1	35.4	28.6	17.5	9.6	15.6	13.8	14.6	12.4	21.3
10	22.1	11.3	35.3	35.7	28.7	17.0	10.1	14.9	12.9	14.0	13.4	19.2
11	22.5	9.9	36.5	36.0	28.7	15.9	10.4	14.2	12.1	13.4	13.6	16.9
12	22.9	8.5	37.1	36.4	28.9	15.9	10.5	13.7	11.3	12.8	13.6	15.1
13	23.1	7.6	37.4	36.5	28.8	16.1	10.3	13.2	10.8	12.2	13.7	14.5
14	23.2	6.9	37.7	36.6	28.4	16.4	10.3	12.6	10.5	11.6	14.1	13.6
15	22.9	6.4	37.6	36.6	27.8	16.4	10.7	12.7	10.0	11.1	14.5	13.0
16	22.6	5.9	37.3	36.9	26.9	16.0	10.9	12.7	9.7	11.0	14.7	13.0
17	21.9	5.5	37.1	37.3	25.9	15.5	11.1	12.9	10.3	11.3	14.8	13.8
18	20.9	5.5	36.8	37.7	24.6	14.9	11.3	13.0	12.6	11.7	14.7	14.9
19	19.6	5.8	36.6	38.2	23.5	14.2	11.4	12.6	15.3	11.9	14.5	16.0
20	18.7	6.6	36.4	38.7	22.8	12.6	11.5	11.6	16.9	12.0	14.0	16.7
21	17.8	7.9	36.2	39.0	22.1	11.9	11.4	10.2	18.0	11.8	13.4	16.8
22	17.2	9.5	35.8	39.0	21.5	11.0	11.3	8.2	17.8	11.2	13.4	16.3
23	17.5	11.6	35.6	39.1	20.9	10.4	11.2	7.0	17.0	10.5	13.3	15.2
24	18.7	13.5	35.1	39.1	20.1	10.5	11.0	7.2	16.3	9.5	12.8	14.2
25	19.7	16.1	34.4	38.7	19.0	11.1	10.5	8.9	16.1	8.5	12.4	12.9
26	20.7	19.3	33.7	38.4	17.9	11.6	10.2	10.7	16.7	7.4	12.7	12.1
27	21.7	22.1	33.0	37.8	17.3	12.3	10.4	12.3	17.8	6.7	14.1	12.3
28	22.6	24.2	32.5	37.0	17.0	13.0	10.9	13.5	18.5	6.2	16.8	13.7
29	23.4		31.9	36.4	17.2	13.0	11.4	14.2	18.7	5.9	19.4	15.6
30	23.8		31.4	35.7	17.3	13.2	12.5	14.8	18.7	5.3	21.1	17.1
31	24.2		31.1		17.5		14.7	15.5		5.3		17.9

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

MEAN	20.41	13.78	33.79	36.20	25.15	15.35	10.94	13.64	15.09	11.91	12.61	17.36
MAX.	24.2	24.4	37.7	39.1	34.7	20.2	14.7	18.2	18.7	18.5	21.1	23.9
MIN.	15.8	5.5	25.9	30.9	17.0	10.4	9.5	7.0	9.7	5.3	5.8	12.1

HIGHEST STAGE WAS 39.24 ON APR 23.
LOWEST STAGE WAS 5.17 ON OCT 30.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U.S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U.S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. LOWEST, MINUS 6.0 FEET ON FEB. 6, 1977. MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

MEAN. NOT COMPUTED FOR PERIOD OF RECORD.

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.9	18.8	3.3	33.9	20.7	20.9	9.2	10.0	3.4	6.7	1.1	9.0
2	16.2	20.1	3.5	34.1	20.3	20.1	9.0	9.7	4.1	6.4	2.0	10.2
3	15.4	21.0	4.8	34.0	20.2	19.1	9.3	9.6	4.6	5.4	2.2	11.4
4	14.7	21.5	5.2	34.0	20.2	17.6	10.3	10.2	5.4	4.0	1.3	12.7
5	13.8	21.7	5.3	33.9	20.4	15.8	11.0	10.8	6.4	3.1	0.0	12.3
6	12.8	21.7	5.4	33.6	20.7	14.4	11.4	10.7	7.3	2.5	-0.7	13.0
7	11.9	21.3	5.8	33.1	21.2	13.6	11.6	10.6	7.8	2.0	-1.3	15.0
8	12.0	20.4	6.3	32.6	20.5	13.1	11.6	10.0	7.5	1.4	-1.9	17.5
9	11.9	18.9	6.9	31.6	19.7	12.7	11.5	9.5	6.1	1.0	-2.1	19.3
10	11.6	16.7	8.3	30.4	19.7	12.1	11.7	9.0	4.6	0.7	-2.0	20.4
11	11.4	14.1	9.9	29.0	20.6	11.7	11.9	8.7	3.6	0.2	-2.0	21.7
12	12.3	11.7	10.9	27.1	22.2	11.4	12.4	8.8	3.0	-0.1	-2.0	23.0
13	14.2	9.7	11.9	25.4	23.8	11.4	12.2	9.0	2.6	-0.2	-2.0	24.0
14	15.8	8.5	14.2	23.8	24.9	11.4	12.2	8.9	2.9	-0.4	-2.3	24.7
15	17.0	7.8	16.1	22.8	25.8	11.5	12.2	8.6	2.6	-0.4	-2.4	25.3
16	17.8	7.4	18.5	22.4	26.4	11.4	12.2	8.2	2.3	0.1	-2.4	25.6
17	18.8	7.2	20.9	22.2	26.8	10.8	11.9	7.8	2.5	1.0	-1.9	25.9
18	18.6	7.2	23.2	22.2	27.1	9.7	11.8	7.7	2.8	1.8	-1.5	25.9
19	17.7	7.1	25.0	22.3	27.4	8.6	12.1	7.6	2.0	2.5	0.0	26.0
20	16.2	6.9	26.3	22.2	27.6	7.4	12.7	7.2	1.1	3.1	1.1	26.0
21	14.6	6.7	27.5	21.8	27.6	6.7	13.3	6.2	1.6	3.6	3.3	26.1
22	13.1	6.3	28.4	21.3	27.5	6.5	13.4	5.4	3.1	3.3	5.0	25.9
23	12.0	6.1	29.2	20.8	27.3	6.8	12.8	5.0	4.6	2.1	6.5	25.7
24	11.4	5.9	29.9	20.5	26.9	7.0	11.6	4.6	6.2	1.4	7.3	25.1
25	12.0	5.7	30.6	20.6	26.2	7.4	10.2	4.0	7.6	0.6	7.4	24.1
26	12.2	5.2	31.1	20.8	25.5	7.9	9.3	3.3	8.0	-0.0	6.1	22.8
27	12.3	4.4	31.7	21.0	24.6	8.2	8.9	2.4	7.7	-0.3	5.8	21.3
28	12.7	3.7	32.2	21.1	23.9	8.6	8.7	1.8	7.5	-1.0	5.6	20.0
29	13.7		32.8	21.0	23.3	8.9	9.1	1.6	7.2	-1.4	6.7	18.7
30	15.5		33.4	20.8	22.6	9.2	9.8	2.4	6.8	-1.1	8.0	17.6
31	17.3		33.8		21.8		10.1	2.9		-0.1		16.8

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	14.3	11.9	18.5	26.0	23.7	11.4	11.1	7.2	4.8	1.6	1.5	20.4
MAX	18.8	21.7	33.8	34.1	27.6	20.9	13.4	10.8	8.0	6.7	8.0	26.1
MIN	11.4	3.7	3.3	20.5	19.7	6.5	8.7	1.6	1.1	-1.4	-2.4	9.0

HIGHEST STAGE WAS 34.21 ON APR. 2 AND 3.
LOWEST STAGE WAS MINUS 2.40 ON NOV. 14, 15, AND 16.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA (REVISED), 928,700 SQUARE MILES. BANKFULL STAGE, 34 FEET. LOW WATER REFERENCE PLANE, MINUS 2.6 FEET ON GAGE. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.4 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-1.0	-3.2	7.3	18.2	9.9	-0.4	7.0	0.6	3.0	9.4	13.5	16.7
2	-0.9	-3.5	10.4	19.0	10.1	-1.6	8.2	-0.4	2.0	9.2	13.1	17.5
3	-2.2	-3.8	13.1	19.5	9.9	-1.8	9.0	-1.4	1.0	9.1	12.4	18.2
4	-2.4	-4.8	15.7	19.5	9.7	-2.2	9.3	-2.0	0.8	9.2	11.7	19.2
5	-2.4	-5.5	16.4	19.1	9.5	-2.6	8.7	-2.9	1.1	9.9	11.2	20.8
6	-2.5	-6.0	17.3	18.4	9.7	-2.8	8.1	-3.4	1.1	11.4	11.8	21.8
7	-2.5	-5.8	18.3	18.5	9.9	-3.0	8.0	E-3.6	1.1	12.6	13.4	22.8
8	-2.3	-5.3	19.5	19.5	9.8	-3.1	7.6	-4.0	1.8	13.2	15.4	23.7
9	-2.3	-5.0	20.3	20.9	9.4	-3.0	6.7	-4.6	3.3	13.4	16.2	24.4
10	-2.0	-5.4	20.8	22.2	9.7	-2.9	5.7	-5.2	4.8	13.4	16.4	24.6
11	-1.6	-5.6	21.2	23.3	11.1	-2.9	5.0	-5.0	5.9	13.4	16.3	24.6
12	-1.3	-5.3	21.6	24.0	12.6	-2.7	4.3	-3.9	6.3	13.5	16.2	24.5
13	-1.3	-5.1	21.7	24.4	13.5	-2.7	3.8	-1.3	6.0	14.1	16.3	24.5
14	-1.4	-5.0	21.6	24.4	13.8	-2.9	3.6	1.7	5.6	14.7	16.5	24.6
15	-1.6	-4.5	21.7	24.7	13.4	-2.7	3.7	4.3	4.9	14.9	16.8	24.3
16	-1.5	-3.4	22.1	24.6	12.4	-1.7	3.8	5.6	4.3	14.8	17.4	23.8
17	-1.1	-1.7	22.4	24.2	10.9	-0.7	3.4	6.6	3.6	14.5	17.5	23.2
18	-0.5	0.7	22.5	23.5	9.3	-0.8	3.2	7.5	4.0	14.0	17.0	22.5
19	-0.1	2.9	22.4	22.3	7.7	-2.0	3.5	8.7	6.2	13.3	16.1	21.8
20	0.1	4.6	22.1	19.4	6.3	-2.9	3.7	9.8	9.5	12.0	15.3	21.3
21	0.1	5.6	21.7	16.2	5.0	-4.0	2.6	10.6	11.4	10.7	15.0	20.9
22	0.0	5.1	21.1	13.8	3.9	-3.9	1.5	10.3	11.8	9.5	14.8	20.8
23	0.2	4.0	20.1	11.5	3.0	-3.2	0.0	9.5	11.8	8.5	14.8	21.0
24	-0.1	3.3	18.9	9.3	2.4	-2.4	-0.4	8.3	11.4	7.8	15.3	21.2
25	-0.3	2.9	17.7	7.6	1.8	-2.2	0.0	7.5	11.7	7.8	16.1	21.2
26	-0.3	E 2.7	16.8	7.2	1.0	-2.5	0.7	6.1	11.1	7.7	16.7	20.9
27	-0.4	E 3.7	16.1	8.0	0.2	-1.0	0.8	4.4	10.8	7.5	16.9	20.4
28	-0.7	5.2	15.6	9.0	0.8	1.4	0.7	3.3	10.3	7.2	16.6	19.9
29	-1.2		14.8	9.4	0.9	3.3	0.7	3.8	10.0	7.6	16.5	19.4
30	-1.8		15.4	9.6	0.8	5.3	0.7	3.8	9.8	10.1	16.6	18.6
31	-2.2		17.0		0.5		0.6	3.4		12.7		17.8
MEAN	-1.21	-1.37	18.49	17.70	7.37	-1.82	4.00	2.51	6.20	11.19	15.35	21.49
MAX.	0.2	5.6	22.5	24.7	13.8	5.3	9.8	10.6	11.8	14.9	17.5	24.6
MIN.	-2.5	-6.0	7.3	7.2	0.2	-4.0	-0.4	-5.2	0.8	7.2	11.2	16.7

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

E- ESTIMATED
HIGHEST STAGE WAS 24.70 AT 800 A.M., APR. 15.
LOWEST STAGE WAS MINUS 6.00 ON FEB. 6.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION: LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA [REVISED], 928,700 SQUARE MILES. THE DRAINAGE AREA IN THE GREAT DIVIDE BASIN IN SOUTHERN WYOMING, APPROXIMATELY 4,000 SQUARE MILES, IS NO LONGER INCLUDED. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50 FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES: HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.4	16.2	25.8	20.6	13.7	5.7	8.2	4.2	-2.0	-3.6	4.0	-2.7
2	16.7	16.9	25.7	20.9	14.6	6.8	7.8	3.4	-1.9	-1.8	4.7	-2.3
3	17.7	17.4	25.6	21.2	15.2	8.1	7.7	2.6	-2.6	-1.2	5.5	-1.3
4	18.2	17.8	25.3	21.3	15.4	9.5	7.7	2.3	-2.5	-0.8	6.1	-0.9
5	19.0	17.8	25.2	21.5	15.4	11.4	8.3	2.7	-1.8	-1.5	6.4	-0.8
6	20.0	17.7	24.2	21.4	15.1	11.7	9.2	3.1	-2.6	-1.7	6.3	-0.8
7	21.0	17.0	23.2	21.3	14.6	12.2	10.3	3.2	-3.9	-1.4	6.3	-0.9
8	21.3	16.1	22.5	21.0	13.8	12.4	10.4	2.6	-4.4	-1.2	6.2	-1.5
9	21.6	14.6	22.5	20.3	13.0	12.0	9.8	1.3	-4.5	-1.7	5.8	-1.9
10	22.4	13.2	22.4	19.6	12.3	11.4	9.0	-0.4	-4.9	-2.4	5.1	-2.2
11	22.7	11.9	22.4	18.8	11.7	10.3	8.0	-0.9	-5.1	-2.7	4.1	-1.7
12	22.7	7.9	22.3	17.6	11.1	8.6	7.6	-0.6	-4.9	-3.5	2.6	0.0
13	22.5	9.3	22.0	16.3	10.9	6.8	7.0	-0.5	-5.0	-3.0	1.4	1.3
14	21.9	9.1	21.2	15.1	10.4	5.7	6.5	-0.7	-4.9	-1.9	0.3	2.9
15	20.6	9.7	20.4	13.5	9.2	4.7	6.1	-0.8	-4.7	-0.1	-0.4	4.3
16	19.0	9.5	19.9	13.0	8.8	3.5	5.4	-1.1	-4.5	1.1	-0.7	5.4
17	16.9	9.4	19.3	12.0	9.0	2.5	5.0	-2.1	-4.7	3.5	-1.1	5.6
18	15.6	10.8	19.0	11.1	9.6	2.8	5.5	-1.9	-4.9	6.1	-1.5	5.0
19	15.0	12.6	18.8	10.7	9.7	3.3	5.9	-1.2	-5.0	7.8	-1.9	4.1
20	15.1	15.2	18.4	10.1	10.2	3.4	5.7	-0.6	-5.3	7.6	-2.0	3.5
21	15.3	18.4	18.4	9.6	11.0	3.8	5.2	0.2	-5.7	6.1	-2.5	2.8
22	15.3	20.5	18.1	9.1	12.0	4.0	3.8	-0.4	-5.2	3.4	-2.6	2.3
23	14.7	22.0	17.6	8.8	12.5	4.7	3.4	-0.4	-4.6	1.2	-2.6	1.5
24	13.8	22.9	17.3	8.7	12.4	5.7	2.6	-0.8	-4.9	-0.1	-2.5	0.7
25	12.8	24.0	17.5	9.1	11.4	6.6	1.6	-1.7	-5.2	-0.7	-2.6	0.3
26	11.7	24.9	17.9	10.2	9.9	7.2	1.3	-2.9	-5.3	-0.7	-3.6	-0.2
27	10.9	25.3	18.5	11.4	8.9	7.7	2.0	-3.4	-5.5	-0.5	-3.3	-0.5
28	10.8	25.6	18.8	12.2	7.8	8.2	2.7	-3.5	-5.2	0.3	-3.1	-0.9
29	11.7	25.7	19.4	12.6	6.9	8.3	3.1	-3.3	-5.2	1.9	-2.9	-1.4
30	13.4		20.4	13.0	5.8	8.4	3.8	-2.8	-5.0	2.8	-2.4	-1.7
31	15.1		20.4		5.3		4.2	-2.6		3.2		-1.4

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	17.11	16.52	20.97	15.06	11.20	7.24	5.95	-0.23	-4.40	0.46	0.97	0.53
MAX.	22.7	25.7	25.8	21.5	15.4	12.4	10.4	4.2	-1.8	7.8	6.4	5.6
MIN.	10.8	7.9	17.3	8.7	5.3	2.5	1.3	-3.5	-5.7	-3.6	-3.6	-2.7

HIGHEST STAGE WAS 25.79 ON MAR. 1.
LOWEST STAGE WAS MINUS 5.70 ON SEP. 21.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.0	19.5	27.6	38.0	27.4	17.2	13.9	E 6.3	E 4.2	E 12.5	E 10.9	E 8.4
2	16.9	19.8	28.3	38.6	28.4	16.9	14.3	E 6.0	E 5.1	E 13.1	E 9.3	E 8.8
3	18.0	20.5	28.7	39.2	29.3	16.5	14.6	E 4.6	E 6.1	E 12.6	E 8.3	E 9.4
4	18.9	22.0	29.0	39.6	29.8	15.8	E 14.6	E 4.2	E 6.6	E 11.4	E 7.6	E 10.5
5	19.6	23.5	29.1	40.0	30.3	15.6	E 14.4	E 4.7	E 7.3	E 9.7	E 6.6	E 12.4
6	20.3	24.4	29.2	40.2	30.4	15.9	E 13.2	E 4.8	E 8.0	E 7.7	E 6.2	E 14.3
7	20.7	24.8	29.1	40.3	30.5	16.1	E 12.6	E 4.7	E 8.9	E 6.1	E 5.8	E 15.2
8	20.8	25.1	29.1	40.2	30.6	16.2	E 12.5	E 4.2	E 9.0	E 5.5	E 5.7	E 15.4
9	21.0	25.4	28.8	40.2	30.8	16.0	E 12.9	E 4.1	E 8.2	E 5.1	E 5.2	E 15.0
10	20.9	25.6	28.6	40.0	30.7	15.7	E 13.4	E 4.2	E 6.8	E 4.4	E 5.3	E 14.0
11	21.0	25.8	28.3	39.6	30.6	15.2	E 13.2	E 4.6	E 6.1	E 4.0	E 5.7	E 12.9
12	20.6	26.0	28.4	39.1	30.6	15.0	E 12.3	E 4.8	E 5.9	E 4.8	E 5.9	E 12.3
13	20.9	26.0	28.9	38.3	30.4	15.0	E 12.0	E 4.2	E 5.6	E 5.4	E 6.2	E 11.9
14	21.9	25.9	28.8	37.3	30.2	15.3	E 11.8	E 3.6	E 5.4	E 5.6	E 6.5	E 11.5
15	23.0	25.8	28.8	36.0	29.8	15.2	E 11.4	E 2.8	E 5.4	E 5.9	E 6.6	E 11.2
16	24.0	25.6	29.2	34.5	29.4	15.0	E 10.8	E 2.4	E 5.4	E 6.2	E 6.8	E 10.9
17	24.6	25.4	29.6	32.5	28.4	14.6	E 9.9	E 2.4	E 5.6	E 6.6	E 7.6	E 10.5
18	25.0	24.8	30.6	29.4	27.2	14.4	E 9.2	E 2.4	E 6.2	E 6.4	E 9.1	E 10.5
19	25.1	24.1	31.9	26.2	25.8	14.6	E 8.8	E 3.4	E 6.8	E 6.0	E 11.1	E 11.3
20	24.8	23.2	33.0	23.6	24.5	14.9	E 8.6	E 4.2	E 6.6	E 6.8	E 12.5	E 12.8
21	24.2	22.5	33.5	21.4	23.6	15.2	E 8.4	E 4.8	E 6.1	E 9.4	E 13.2	E 14.2
22	23.5	22.1	34.3	20.0	22.9	15.5	E 8.4	E 5.4	E 5.8	E 12.8	E 12.8	E 15.0
23	22.6	22.3	35.0	19.3	22.4	15.6	E 8.6	E 5.9	E 5.9	E 15.3	E 11.8	E 15.1
24	21.8	22.3	35.5	18.8	21.9	15.6	E 8.7	E 5.4	E 6.5	E 16.5	E 10.6	E 14.7
25	21.2	22.8	35.9	18.6	21.4	15.3	E 9.0	E 4.1	E 7.6	E 17.1	E 9.4	E 14.3
26	20.7	24.2	36.1	19.0	20.8	14.9	E 9.3	E 3.0	E 8.7	E 17.0	E 8.5	E 13.9
27	20.6	25.6	36.2	20.6	20.2	14.5	E 9.0	E 2.4	E 9.4	E 16.6	E 8.2	E 13.1
28	20.6	26.8	36.8	22.8	19.2	14.1	E 8.5	E 1.8	E 9.7	E 15.9	E 7.9	E 12.2
29	20.6		37.3	24.9	18.2	13.5	E 8.2	E 1.7	E 10.1	E 15.0	E 7.7	E 11.8
30	20.4		37.4	26.3	17.7	13.4	E 7.6	E 2.4	E 11.1	E 13.8	E 7.8	E 12.3
31	19.8		37.6		17.4		E 7.0	E 3.6		E 12.3		E 13.7

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	21.28	23.98	31.62	31.47	26.14	15.28	10.86	3.96	6.99	9.91	8.22	12.55
MAX.	25.1	26.8	37.6	40.3	30.8	17.2	14.6	E 6.3	E 11.1	E 17.1	E 13.2	E 15.4
MIN.	16.0	19.5	27.6	18.6	17.4	13.4	E 7.0	E 1.7	E 4.2	E 4.0	E 5.2	E 8.4

E- ESTIMATED
HIGHEST STAGE WAS 40.32 AT 400 P.M., APR. 7.
LOWEST STAGE WAS 1.70 ESTIMATED AT 800 A.M., AUG. 29.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.6	35.6	26.0	26.6	19.1	26.9	21.4	4.3	5.8	3.4	0.5	11.4
2	25.5	35.8	25.8	25.8	18.4	26.6	21.8	4.4	7.6	3.7	0.4	11.2
3	26.3	36.0	25.3	24.3	17.9	26.3	22.1	4.6	8.9	4.2	0.2	10.9
4	26.6	36.2	24.5	23.0	17.3	26.4	22.2	4.6	9.4	4.8	0.4	10.4
5	26.7	36.2	23.8	22.3	17.0	26.8	21.9	4.4	10.0	4.9	1.0	10.3
6	26.7	36.3	22.7	22.3	16.6	27.4	21.6	4.1	11.3	4.9	1.3	10.6
7	26.9	36.3	21.7	22.8	16.5	28.6	21.0	3.7	12.5	4.6	2.2	11.4
8	27.1	36.2	20.7	23.7	16.9	29.1	20.4	3.5	12.8	3.7	4.4	12.4
9	27.7	36.0	20.3	24.3	17.2	29.5	19.6	3.3	13.1	2.9	7.5	13.3
10	28.1	35.8	20.6	24.7	17.2	29.9	18.6	3.2	13.6	2.6	10.2	13.6
11	29.1	35.3	21.5	25.2	17.3	30.0	17.9	3.2	13.6	2.0	11.6	13.6
12	29.4	34.7	22.5	26.1	17.0	30.3	17.0	3.6	13.3	1.2	11.4	13.6
13	29.7	33.9	23.4	26.5	16.6	30.5	15.8	4.1	12.6	1.0	10.6	14.0
14	30.1	33.1	24.0	27.0	16.1	30.6	14.6	5.2	11.5	1.0	10.1	14.5
15	30.2	32.0	24.6	27.3	16.0	30.5	13.6	6.5	10.5	0.7	10.1	14.8
16	30.6	30.6	25.2	27.5	15.8	30.4	12.8	7.7	10.3	0.3	10.4	15.1
17	31.0	28.5	25.8	27.7	16.2	29.9	11.6	8.7	10.5	0.6	10.9	15.3
18	31.6	26.0	26.2	27.8	17.2	29.2	10.2	8.9	10.8	0.9	10.9	15.4
19	32.1	24.4	26.9	27.8	18.6	28.4	9.6	7.8	10.9	1.7	11.0	15.4
20	32.6	23.2	27.5	27.5	20.3	27.6	9.0	6.5	10.6	2.5	11.1	15.0
21	33.0	22.4	28.1	26.9	21.7	25.9	8.7	6.0	10.0	3.2	10.8	14.6
22	33.2	22.7	28.4	27.0	22.6	24.3	8.4	5.8	9.2	3.3	10.6	14.4
23	33.6	23.0	28.6	26.2	23.2	22.9	8.0	5.3	7.9	3.3	10.6	14.4
24	33.9	24.0	28.7	25.2	23.8	21.5	7.7	4.7	6.2	3.3	10.4	14.2
25	34.3	24.7	28.6	24.3	24.4	20.4	7.0	4.1	5.0	3.0	10.3	14.3
26	34.6	25.2	28.4	23.3	25.1	19.8	6.6	3.7	4.6	2.3	10.2	13.8
27	35.0	25.6	28.2	22.3	25.6	19.6	5.9	3.6	4.8	1.6	10.5	13.8
28	35.2	25.9	28.0	21.4	26.0	19.9	5.4	3.5	5.1	0.9	11.0	13.7
29	35.0		27.8	20.6	26.1	20.2	5.0	3.3	5.2	0.9	11.5	14.0
30	35.0		27.5	19.8	26.1	20.8	4.7	3.4	4.3	0.9	11.6	14.5
31	35.4		27.1		26.2		4.5	4.0		0.8		15.2

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	30.66	30.55	25.42	24.90	19.86	26.33	13.36	4.82	9.39	2.41	8.11	13.51
MAX.	35.4	36.3	28.7	27.8	26.2	30.6	22.2	8.9	13.6	4.9	11.6	15.4
MIN.	24.6	22.4	20.3	19.8	15.8	19.6	4.5	3.2	4.3	0.3	0.2	10.3

HIGHEST STAGE WAS 36.36 AT 600 P.M., FEB. 6.
LOWEST STAGE WAS 0.19 AT 1100 A.M., NOV. 3.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.0	25.7	15.0	40.0	38.5	28.3	18.5	17.3	5.5	5.2	9.6	23.7
2	29.6	25.5	14.3	40.0	39.1	28.7	18.1	16.7	5.2	7.6	9.8	25.0
3	29.4	25.2	14.8	40.0	39.4	29.0	18.2	15.9	5.1	10.5	10.6	26.5
4	29.6	24.9	13.6	40.3	39.6	29.2	18.2	14.3	5.1	12.5	11.6	27.4
5	29.5	24.8	13.7	40.3	39.8	29.4	18.0	13.5	4.4	14.1	12.5	28.2
6	29.6	24.7	14.0	40.3	40.0	29.6	17.4	12.4	3.7	15.3	12.7	28.7
7	29.6	24.8	14.4	40.2	40.3	29.7	16.6	11.2	3.8	16.1	12.5	29.1
8	29.6	25.7	14.7	40.1	40.5	29.7	15.9	10.0	4.0	16.4	12.3	29.5
9	29.4	26.2	15.8	40.0	40.4	29.8	15.7	9.2	3.8	16.5	11.9	29.7
10	29.2	26.8	17.8	39.7	40.2	29.6	16.1	8.6	3.8	16.6	11.4	30.0
11	28.8	27.3	20.6	39.4	40.1	29.5	16.7	8.0	3.5	16.7	10.6	30.0
12	28.4	27.8	22.8	39.1	39.9	29.3	16.5	7.0	3.0	16.5	9.8	29.8
13	27.7	28.1	24.7	38.8	39.7	29.2	15.6	6.7	3.3	15.7	9.4	29.3
14	26.5	28.6	26.5	38.6	39.4	29.0	14.5	7.4	4.1	14.5	9.1	28.0
15	24.9	28.5	27.8	38.3	39.0	28.8	13.6	8.1	4.4	12.9	8.8	26.0
16	22.9	28.2	29.2	38.0	38.5	28.2	13.2	8.9	3.8	11.7	8.5	23.2
17	20.8	27.8	30.2	37.8	38.0	27.3	12.9	10.5	3.6	11.7	7.8	20.5
18	18.6	27.5	31.0	37.4	37.5	26.1	12.4	11.0	3.5	13.0	7.3	18.2
19	16.8	27.3	31.9	37.1	37.0	24.9	11.7	10.9	2.9	13.9	7.3	16.7
20	15.4	27.2	32.8	37.7	36.5	23.9	11.2	10.8	2.8	14.1	7.3	15.7
21	15.1	27.0	33.8	37.5	36.0	23.1	10.4	10.8	2.9	14.2	7.8	14.8
22	16.3	26.5	34.7	37.5	35.3	22.6	9.6	10.1	2.7	14.4	8.2	14.3
23	17.9	25.6	36.2	37.7	34.4	22.3	9.3	9.6	2.1	14.6	8.0	14.0
24	20.5	24.1	37.3	37.6	33.5	22.3	9.2	8.9	2.2	14.7	8.1	13.6
25	22.6	22.3	38.1	37.6	32.2	22.6	9.8	8.5	2.4	14.5	9.1	13.6
26	24.0	19.9	38.7	37.7	30.8	22.8	11.4	8.1	2.3	14.3	10.8	13.8
27	25.0	17.7	39.1	37.9	29.6	22.5	14.4	7.9	2.4	13.8	14.8	15.1
28	25.7	16.0	39.3	38.1	28.4	21.9	16.8	7.3	2.5	12.9	17.9	16.8
29	26.2		39.5	38.3	27.9	20.8	18.0	6.8	2.8	11.9	19.6	19.0
30	26.2		39.6	38.4	27.8	19.5	18.2	6.3	3.5	10.8	21.7	21.4
31	26.0		39.8		28.0		17.9	5.9		9.9		23.2

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	24.89	25.41	27.14	38.70	36.35	26.31	14.70	9.94	3.49	13.46	10.88	22.40
MAX.	30.0	28.6	39.8	40.3	40.5	29.8	18.5	17.3	5.5	16.7	21.7	30.0
MIN.	15.1	16.0	13.6	37.1	27.8	19.5	9.2	5.9	2.1	5.2	7.3	13.6

HIGHEST STAGE WAS 40.48 AT 700 A.M., MAY 8.
LOWEST STAGE WAS 2.03 FROM 300 P.M. TO 400 P.M., SEP. 23.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.5	16.4	17.5	21.0	32.6	13.1	12.2	10.0	5.7	7.8	10.3	23.0
2	10.9	16.6	18.9	20.5	32.8	11.9	13.8	10.3	5.5	8.0	11.1	22.4
3	10.2	16.7	20.2	19.7	32.8	10.7	15.1	10.4	5.6	8.9	11.8	21.9
4	10.3	16.7	21.4	19.3	32.7	10.0	15.9	10.8	5.6	9.8	12.8	21.6
5	11.6	16.5	21.6	18.6	32.6	9.8	16.4	11.1	5.3	10.3	14.3	21.5
6	14.0	16.4	23.6	17.8	32.4	9.7	16.7	11.3	4.9	10.8	15.8	21.4
7	16.2	16.0	24.4	17.0	32.3	9.2	16.6	11.5	4.7	10.6	17.8	21.1
8	17.4	15.3	25.2	16.3	32.1	8.7	16.1	11.5	4.4	12.0	19.0	20.7
9	18.2	14.8	25.7	15.6	31.8	8.3	15.3	11.4	4.4	12.3	19.7	21.1
10	19.0	14.3	26.3	15.2	31.3	7.8	14.3	11.3	4.3	12.3	20.3	21.2
11	19.7	13.8	26.4	15.0	30.6	7.0	13.1	12.0	4.4	11.8	20.3	21.8
12	20.3	13.3	26.4	15.2	29.8	6.6	12.0	12.6	4.3	11.4	20.0	22.9
13	20.9	12.7	26.3	16.0	29.1	6.4	11.3	12.2	4.2	11.2	20.0	24.5
14	21.4	11.8	26.2	17.0	28.4	6.1	10.9	11.2	3.9	11.3	20.2	25.6
15	21.6	10.7	25.9	18.2	27.7	5.7	10.7	10.6	4.1	11.1	20.3	26.8
16	21.7	9.8	25.7	19.5	27.1	5.5	10.5	10.2	4.3	10.1	20.9	27.5
17	21.5	9.3	25.4	21.0	26.5	5.6	10.5	9.9	4.5	9.3	21.8	28.2
18	21.3	9.6	25.1	22.8	25.9	6.1	10.4	9.9	5.0	8.8	22.8	28.9
19	20.9	10.5	24.8	24.3	25.2	6.7	10.1	9.8	5.5	8.6	23.7	29.7
20	20.5	12.2	24.4	25.3	24.6	7.7	10.1	9.5	6.5	8.3	24.2	30.1
21	20.0	14.0	24.0	26.2	24.0	9.0	10.2	9.5	8.0	8.2	24.3	30.5
22	19.1	15.5	23.6	26.8	23.3	10.4	10.3	9.3	9.2	8.4	24.6	30.8
23	17.9	16.0	23.2	27.4	22.5	11.0	10.2	9.5	9.8	8.6	24.6	31.0
24	16.5	16.0	22.8	28.2	21.5	11.1	9.7	9.2	9.7	8.3	24.5	31.1
25	15.4	15.8	22.3	29.0	21.3	10.9	9.5	9.4	9.2	9.2	24.5	31.2
26	14.6	15.7	21.7	29.8	19.0	10.6	9.5	9.4	8.5	9.0	24.4	31.3
27	14.3	15.7	21.2	30.6	17.9	10.3	9.4	9.6	7.9	8.9	24.2	31.3
28	14.7	16.0	21.0	31.2	16.7	10.2	8.4	8.6	7.3	8.9	24.0	31.2
29	15.3	16.6	21.0	31.9	15.6	10.5	8.0	7.2	7.1	8.8	23.7	30.9
30	15.8		21.2	32.2	14.8	11.0	8.2	6.3	8.0	9.1	23.4	30.5
31	16.2		21.2		14.0		9.0	5.9		9.7		30.4

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	17.05	14.29	23.36	22.28	26.08	8.91	11.74	10.04	6.05	9.73	20.30	26.51
MAX.	21.7	16.7	26.4	32.2	32.8	13.1	16.7	12.6	9.8	12.3	24.6	31.3
MIN.	10.2	9.3	17.5	15.0	14.0	5.5	8.0	5.9	3.9	7.8	10.3	20.7

HIGHEST STAGE WAS 32.78 AT 700 A.M., MAY 3.
LOWEST STAGE WAS 3.88 AT 900 A.M., SEP. 14.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. [WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.] SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. [50.4 AT BEALE ST., FEB. 9.] LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. [MINUS 5.19 AT BEALE ST.] MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 [STAGE, 48.3]. MINIMUM, 78,000 CFS ON AUG. 25, 1936 [STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.6	10.7	30.6	18.7	10.7	12.2	7.4	5.4	4.8	2.1	3.6	2.9
2	19.5	11.0	31.2	18.5	10.8	11.6	7.4	5.5	3.6	2.4	3.2	3.1
3	19.1	11.3	31.7	18.1	11.0	10.9	7.4	6.2	2.4	2.7	2.6	3.7
4	18.6	10.8	32.0	17.5	11.0	11.0	7.1	6.7	1.5	3.0	1.7	4.2
5	16.9	10.1	32.2	16.9	11.0	11.0	6.4	7.0	1.0	2.7	1.3	4.9
6	15.1	9.1	32.4	16.5	11.2	11.1	5.7	7.3	1.0	2.2	1.5	6.1
7	13.7	8.5	32.7	16.4	11.4	11.3	5.1	7.7	0.8	1.5	2.1	7.3
8	13.2	8.7	32.8	16.2	11.3	11.4	4.3	7.9	0.2	1.1	2.7	7.9
9	13.3	9.8	32.7	16.1	11.3	11.0	3.7	8.3	0.6	0.9	3.6	8.4
10	14.4	11.8	32.7	16.0	11.8	10.7	3.3	8.6	0.8	1.2	4.6	9.6
11	15.4	15.0	32.4	15.8	12.3	10.8	2.7	9.1	1.8	1.2	5.2	10.2
12	15.9	17.6	31.9	15.3	12.9	11.1	2.4	9.6	1.9	0.8	5.3	11.8
13	16.4	19.4	31.3	14.7	14.9	11.2	2.9	9.3	1.5	0.3	5.0	14.0
14	16.6	20.4	30.4	14.2	16.9	10.4	4.0	8.6	1.2	0.1	4.6	15.8
15	16.8	21.0	29.4	13.8	18.6	9.6	5.2	7.1	1.2	-0.3	4.3	17.0
16	17.1	21.3	28.3	13.5	20.2	9.2	6.3	5.4	1.2	-0.5	3.8	17.7
17	17.0	21.0	27.2	13.3	21.7	9.6	7.2	4.4	1.5	-0.6	3.4	18.0
18	16.4	20.6	26.3	13.1	22.5	10.5	8.4	3.8	2.0	0.1	3.3	18.2
19	15.5	20.3	25.7	12.7	23.0	11.6	9.1	3.2	3.2	0.2	3.4	18.4
20	14.8	20.1	25.2	12.1	23.2	12.5	9.0	2.4	5.1	-0.3	3.2	18.8
21	14.3	20.0	24.8	11.5	23.0	13.1	8.5	1.7	6.4	-0.6	3.1	19.2
22	14.3	21.0	24.6	10.9	22.6	13.1	8.3	1.0	7.0	-0.9	3.0	19.4
23	14.1	21.4	24.2	10.8	21.8	12.8	8.4	0.9	6.9	-1.3	2.8	19.1
24	13.8	23.0	23.4	10.1	20.5	12.2	8.4	1.4	6.4	-1.2	2.5	18.3
25	13.4	25.4	22.5	9.4	19.2	11.1	8.7	2.4	5.9	-0.7	2.6	17.1
26	12.6	27.3	21.7	9.0	17.7	9.6	9.1	3.8	5.4	0.0	2.9	16.1
27	12.0	28.7	20.6	9.0	16.7	8.8	9.4	4.2	4.7	0.0	3.1	15.1
28	11.7	29.7	19.7	9.4	15.9	8.3	8.0	3.8	3.7	0.3	3.3	14.4
29	11.5		19.4	10.0	14.9	8.0	6.6	3.4	2.6	1.3	3.6	13.7
30	11.1		19.2	10.5	13.8	7.6	5.9	4.0	2.0	2.6	3.2	13.2
31	10.7		19.0		12.9		5.6	4.8		3.4		12.6

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	14.98	17.67	27.35	13.66	16.01	10.77	6.50	5.31	2.93	0.76	3.27
MAX.	19.6	29.7	32.8	18.7	23.2	13.1	9.4	9.6	7.0	3.4	5.3
MIN.	10.7	8.5	19.0	9.0	10.7	7.6	2.4	0.9	0.2	-1.3	1.3

HIGHEST STAGE WAS 32.78 AT 900 A.M., MAR. 8.
LOWEST STAGE WAS MINUS 1.41 AT 400 P.M., OCT. 23.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.7 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.4	2.8	16.5	17.4	28.6	15.0	13.2	2.5	1.9	17.5	7.2	11.8
2	10.6	4.3	15.1	17.7	29.2	14.7	11.8	2.4	1.0	18.0	8.4	10.6
3	14.7	6.5	13.8	17.4	29.5	14.8	10.8	2.5	E 0.4	18.2	9.8	9.1
4	17.1	8.7	13.3	17.9	29.9	14.5	10.0	2.9	E 0.3	17.6	10.9	7.8
5	18.8	13.3	12.4	19.1	30.5	14.3	9.0	3.2	0.3	16.0	11.1	6.7
6	20.4	14.9	12.7	21.3	31.1	15.1	8.4	3.8	E 0.1	13.9	11.1	6.3
7	21.6	15.9	13.5	23.3	31.8	16.6	7.9	4.6	E 0.7	11.7	11.7	6.2
8	22.5	16.6	14.5	24.8	32.4	17.9	7.5	5.3	E 1.4	9.7	12.6	6.2
9	22.7	17.3	15.6	25.8	33.0	18.8	6.9	5.7	E 1.9	8.3	13.3	6.4
10	22.4	17.8	16.7	26.4	33.1	19.6	6.1	6.2	E 1.2	6.8	13.4	6.8
11	21.4	18.0	17.7	26.8	33.3	20.1	5.5	7.5	E 0.6	5.6	13.4	7.0
12	19.8	18.1	18.5	26.9	33.0	19.9	5.2	8.7	E 0.4	5.3	13.5	7.0
13	17.8	17.8	19.0	27.0	32.5	19.2	5.0	9.9	0.6	5.2	13.5	6.9
14	15.2	17.9	19.3	26.9	31.8	18.4	4.8	10.5	E 0.1	5.4	13.8	6.9
15	12.7	18.3	19.3	26.7	30.6	17.4	4.6	10.8	E-0.3	6.7	13.9	6.8
16	10.2	18.5	18.8	26.4	29.1	17.1	4.8	10.5	E 0.0	10.2	13.9	6.8
17	7.9	18.5	18.0	25.8	27.3	16.9	5.1	9.5	0.8	12.9	13.4	7.2
18	6.3	18.9	17.2	24.5	25.6	17.6	4.6	7.8	2.0	14.0	12.7	8.5
19	5.8	19.5	16.4	22.8	24.7	18.5	3.7	5.7	3.1	13.8	12.2	10.0
20	5.8	19.8	15.9	21.2	24.6	19.0	3.5	4.0	4.0	13.0	12.1	10.9
21	5.6	19.8	15.7	19.3	25.0	19.1	3.7	3.2	5.0	11.6	11.9	11.4
22	5.6	19.7	15.7	18.8	25.3	18.7	3.8	3.4	6.4	10.7	12.1	11.8
23	5.3	19.5	16.0	19.4	25.5	18.2	4.3	3.6	8.3	9.2	12.4	12.9
24	4.9	19.3	16.0	21.2	25.4	17.9	4.4	3.8	9.9	8.3	12.5	14.1
25	4.4	19.3	15.8	22.9	24.9	17.8	4.1	4.2	10.5	8.0	12.6	15.5
26	4.2	19.2	15.8	25.2	24.0	17.7	4.0	4.6	10.5	7.7	13.2	16.8
27	4.0	18.7	15.8	26.1	22.4	17.5	3.8	4.9	10.8	7.2	13.8	17.8
28	3.9	17.8	16.3	27.1	20.7	16.9	3.0	4.6	13.2	7.1	13.9	18.7
29	3.6		16.9	27.8	18.6	15.8	2.0	4.1	15.4	7.2	13.5	19.2
30	2.6		17.2	28.2	16.8	14.4	1.8	3.6	16.6	7.2	12.8	19.3
31	2.8		17.4		15.7		2.4	3.0		7.0		19.4

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	11.18	16.30	16.21	23.39	27.28	17.31	5.66	5.38	4.23	10.35	12.34	10.73
MAX.	22.7	19.8	19.3	28.2	33.3	20.1	13.2	10.8	16.6	18.2	13.9	19.4
MIN.	2.6	2.8	12.4	17.4	15.7	14.3	1.8	2.4	E-0.3	5.2	7.2	6.2

E- ESTIMATED
HIGHEST STAGE WAS 33.26 AT 600 A.M., MAY 11.
LOWEST STAGE WAS MINUS 0.34 AT 1200 NOON, SEP. 15.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.7 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.8	23.8	13.1	19.6	29.2	16.1	18.3	16.1	3.7	2.0	6.0	7.8
2	15.4	25.4	12.6	19.8	28.5	14.6	18.7	15.1	2.8	2.2	5.3	6.8
3	16.8	26.8	12.5	19.7	27.6	12.8	19.2	14.1	2.3	2.1	4.9	6.1
4	16.9	27.7	12.7	19.2	26.7	11.4	19.7	13.3	1.9	1.6	4.6	5.9
5	16.5	28.4	13.0	19.0	25.9	10.6	19.9	12.6	1.9	1.6	4.2	5.3
6	16.2	29.0	13.4	18.6	25.2	10.7	20.1	11.6	2.3	1.8	4.6	4.7
7	15.9	29.6	13.2	18.1	24.4	11.1	20.0	10.2	2.7	1.8	5.2	4.5
8	15.4	30.0	12.6	17.8	23.5	11.3	19.9	9.2	3.1	1.4	5.6	4.3
9	14.7	30.2	12.3	17.9	22.3	11.0	20.0	8.3	3.4	1.3	5.7	4.3
10	13.6	30.4	12.2	19.5	20.8	10.3	20.3	7.4	3.8	1.2	5.5	4.6
11	12.3	30.6	11.9	20.8	19.3	9.5	20.8	6.8	4.2	1.0	5.1	5.6
12	10.6	30.9	11.4	22.5	18.3	9.0	21.4	6.9	4.3	1.2	4.7	6.5
13	8.5	31.1	11.0	23.8	17.9	8.5	21.9	6.9	3.8	1.1	4.1	6.7
14	6.2	31.3	11.0	25.2	17.7	8.3	22.4	7.0	3.8	1.0	3.7	6.3
15	4.4	31.6	10.8	25.8	17.7	8.7	23.0	7.6	4.1	1.8	3.3	5.8
16	3.6	31.7	10.1	26.2	17.8	9.5	23.6	8.4	4.0	5.6	3.3	6.0
17	3.2	31.5	9.5	26.4	18.1	10.3	24.2	9.0	3.3	10.8	3.6	6.0
18	2.7	31.0	9.1	26.8	18.4	10.7	24.6	9.1	2.2	14.2	4.1	6.1
19	2.9	30.2	8.3	27.0	18.7	10.4	24.8	8.4	1.6	16.0	4.2	6.6
20	4.3	28.9	7.3	27.1	18.8	10.4	24.9	6.5	1.6	17.1	3.9	7.3
21	7.1	27.0	6.4	27.4	18.9	11.0	24.7	6.2	2.0	17.6	4.1	8.2
22	10.8	24.6	6.2	27.9	19.1	10.9	24.0	7.0	3.0	17.0	5.1	8.4
23	14.4	22.0	6.6	28.4	19.2	10.3	22.9	7.2	4.0	15.3	6.9	8.1
24	16.7	19.1	7.4	28.7	19.2	9.7	21.7	7.7	4.6	13.4	8.2	7.2
25	18.1	16.9	7.6	29.0	19.0	9.9	20.7	7.8	4.9	11.7	8.9	6.5
26	19.2	15.4	8.7	29.3	18.8	12.2	20.0	8.2	4.9	10.5	9.3	6.2
27	20.1	14.4	11.2	29.5	18.5	14.5	19.7	8.7	4.4	9.7	9.4	5.6
28	20.8	13.6	13.6	29.8	18.5	16.1	19.5	9.3	3.3	8.8	9.2	3.9
29	21.4		15.9	29.8	18.3	17.3	18.8	9.1	2.1	8.2	8.8	3.3
30	21.7		17.7	29.7	18.0	18.0	18.0	7.4	1.6	7.5	8.4	3.6
31	22.5		18.9		17.2		17.1	5.1		6.8		4.4

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	13.08	26.53	11.22	24.34	20.69	11.50	21.11	8.97	3.18	6.87	5.65	5.88
MAX.	22.5	31.7	18.9	29.8	29.2	18.0	24.9	16.1	4.9	17.6	9.4	8.4
MIN.	2.7	13.6	6.2	17.8	17.2	8.3	17.1	5.1	1.6	1.0	3.3	3.3

HIGHEST STAGE WAS 31.72 AT 100 A.M., FEB. 16.
LOWEST STAGE WAS 1.00 AT 400 A.M., OCT. 11.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.7 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.7	15.0	4.0	25.4	13.9	25.0	9.6	8.4	1.5	1.9	3.1	9.6
2	23.9	16.2	3.5	25.1	13.8	26.0	9.9	9.2	0.6	2.0	3.0	10.4
3	22.9	16.6	3.0	25.0	13.1	26.7	9.6	9.5	0.5	1.8	3.0	11.2
4	21.7	17.8	2.8	25.2	12.1	27.2	9.4	9.3	0.2	1.4	3.3	12.5
5	20.1	19.3	2.7	25.3	10.9	27.6	9.4	9.2	-0.1	1.2	3.4	13.3
6	18.6	21.3	2.2	25.4	9.2	27.8	9.4	9.0	-0.4	1.4	3.9	13.0
7	17.6	22.8	1.8	25.8	9.6	28.0	9.4	8.6	-0.4	1.2	4.0	12.4
8	17.2	23.9	1.5	26.5	9.8	28.2	9.3	8.9	-0.5	1.0	3.8	11.9
9	16.9	24.4	1.0	26.9	9.8	28.3	9.2	10.1	-0.9	1.4	3.6	11.5
10	17.0	24.8	0.6	27.2	9.3	28.3	9.0	11.0	-1.0	1.6	3.8	11.0
11	16.8	24.9	-0.3	27.3	8.8	28.2	9.0	11.1	-1.2	1.6	4.1	10.6
12	16.5	24.8	0.2	27.2	8.8	28.0	8.8	11.0	-1.4	1.3	4.4	10.3
13	16.5	24.7	0.6	27.1	9.2	27.6	8.8	10.3	-1.1	1.3	4.7	10.4
14	16.4	24.2	1.7	26.8	10.0	26.7	8.9	9.7	-0.8	1.4	5.0	10.1
15	16.3	23.5	3.2	26.3	10.5	24.9	8.8	9.8	-0.5	1.1	5.3	9.5
16	16.3	22.5	6.1	25.4	11.0	22.1	8.8	10.0	0.0	0.5	5.1	8.6
17	16.2	21.2	8.7	24.3	12.4	18.8	8.6	10.8	0.0	0.7	4.6	7.5
18	16.2	19.8	11.5	23.0	13.5	15.4	8.4	11.5	0.2	1.8	4.4	5.7
19	16.0	18.2	14.2	21.4	14.3	13.0	8.3	11.9	0.2	2.6	4.1	4.3
20	15.8	16.2	16.3	19.8	14.9	11.8	8.1	11.3	0.0	3.3	4.4	3.6
21	15.2	14.5	18.4	18.3	15.4	11.0	7.6	10.6	-0.1	3.6	5.6	2.8
22	14.2	12.4	19.9	17.2	15.6	10.1	7.3	10.1	0.0	3.6	7.4	2.3
23	13.2	10.8	21.1	16.5	15.6	9.1	7.0	9.6	0.0	3.8	8.6	2.1
24	11.8	9.4	21.9	15.7	15.3	8.6	6.5	8.3	-0.1	3.8	8.9	2.1
25	11.8	8.2	22.5	14.8	15.0	8.5	6.3	7.1	-0.1	4.0	8.5	3.1
26	10.4	6.8	23.1	14.2	15.0	8.2	6.5	6.6	-0.1	4.6	8.1	4.6
27	10.8	5.8	23.8	13.8	15.1	7.9	6.7	6.6	0.0	5.2	8.0	6.1
28	11.6	5.0	24.3	13.4	16.0	8.0	6.7	5.9	0.3	5.0	8.7	7.6
29	12.6	4.5	24.8	13.2	18.6	8.2	6.7	5.0	1.2	4.2	8.8	7.8
30	13.6		25.1	13.5	21.5	8.8	7.5	3.9	1.7	3.5	8.8	8.9
31	14.5		25.3		23.5		8.0	2.9		3.2		10.7

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	16.23	17.22	10.82	21.89	13.27	19.26	8.30	8.93	-0.08	2.41	5.41	8.23
MAX.	24.7	24.9	25.3	27.3	23.5	28.3	9.9	11.9	1.7	5.2	8.9	13.3
MIN.	10.4	4.5	-0.3	13.2	8.8	7.9	6.3	2.9	-1.4	0.5	3.0	2.1

HIGHEST STAGE WAS 28.30 FROM 800 P.M., JUNE 9 TO 100 P.M., JUNE 10.
LOWEST STAGE WAS MINUS 1.43 AT 600 A.M., SEP. 12.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.7 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.8	6.3	10.9	25.4	18.9	24.3	18.8	9.1	3.2	1.5	3.9	6.3
2	11.6	7.4	11.3	24.4	19.7	21.4	19.1	10.5	2.9	1.6	4.1	7.2
3	12.1	8.1	11.6	23.2	19.7	18.1	19.4	11.5	2.7	1.9	4.3	8.4
4	12.1	9.0	11.4	21.7	19.8	15.1	19.7	12.0	2.6	2.2	5.0	9.3
5	12.1	10.5	10.7	19.9	19.8	13.3	19.7	12.1	2.6	2.4	7.2	11.3
6	12.0	11.9	10.0	18.9	19.6	12.6	20.2	12.1	2.6	2.8	10.5	13.8
7	11.7	12.5	9.8	18.8	19.6	12.7	20.2	12.0	2.7	2.6	12.5	16.3
8	11.0	12.6	9.3	19.2	19.8	13.0	20.3	11.2	2.6	2.0	13.3	17.8
9	10.0	12.7	10.6	19.6	19.9	13.0	20.2	10.3	1.6	1.6	13.5	18.4
10	8.8	12.8	14.1	19.5	19.7	12.7	20.2	9.5	0.5	1.6	13.2	18.8
11	7.6	13.0	17.8	18.8	19.8	12.3	19.4	9.0	0.6	1.4	12.4	18.7
12	6.7	13.0	20.5	17.8	20.5	11.7	18.8	8.9	1.5	1.5	11.3	18.4
13	5.6	12.8	22.5	16.9	21.5	11.2	18.6	9.0	1.8	2.0	9.8	18.1
14	4.4	12.4	23.7	16.4	22.5	10.6	18.9	9.0	1.4	2.7	8.8	18.5
15	4.2	11.5	24.6	16.0	23.7	10.5	19.1	8.3	0.4	3.3	8.4	18.8
16	4.5	10.4	25.1	15.9	24.8	10.9	19.1	7.5	0.3	3.9	7.9	19.0
17	4.5	9.0	25.4	16.1	26.3	11.7	19.0	6.9	0.4	4.2	7.4	19.3
18	3.8	7.7	25.6	16.0	27.4	12.8	18.5	5.9	0.5	3.6	7.0	19.7
19	3.3	6.8	26.0	16.2	28.2	14.2	17.7	4.8	0.5	3.0	6.6	20.0
20	3.2	6.1	26.4	16.8	28.9	15.4	16.2	3.9	0.7	3.5	6.2	20.3
21	3.2	5.6	26.8	17.5	29.2	16.2	14.1	3.2	1.3	4.0	5.8	20.6
22	3.0	6.1	27.0	17.9	29.5	16.6	11.9	2.7	1.9	4.3	5.1	21.1
23	2.5	6.8	27.1	18.1	29.7	17.1	9.9	2.4	2.1	4.6	4.5	21.4
24	2.1	7.6	27.2	18.1	29.8	17.5	8.6	2.8	2.1	4.9	4.4	22.2
25	1.5	8.5	27.3	17.7	29.7	17.8	8.1	3.4	2.0	4.9	4.5	23.4
26	1.1	9.6	27.4	17.5	29.6	18.0	7.9	3.6	1.7	4.7	4.9	24.3
27	1.5	10.3	27.6	17.2	29.4	18.2	7.5	3.4	1.2	4.5	5.6	24.9
28	1.7	10.6	27.4	17.0	29.1	18.4	7.0	2.9	1.0	4.2	6.0	25.4
29	2.1		27.1	17.5	28.6	18.6	7.5	3.0	1.0	4.2	5.6	25.5
30	3.1		26.8	18.0	27.6	18.7	7.9	3.6	1.2	4.1	5.8	25.4
31	4.8		26.1		26.3		8.1	3.7		4.1		25.2
THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE												
MEAN	6.01	9.69	20.80	18.46	24.46	15.14	15.53	7.03	1.58	3.14	7.51	18.63
MAX.	12.1	13.0	27.6	25.4	29.8	24.3	20.3	12.1	3.2	4.9	13.5	25.5
MIN.	1.1	5.6	9.3	15.9	18.9	10.5	7.0	2.4	0.3	1.4	3.9	6.3

HIGHEST STAGE WAS 29.78 AT 700 A.M., MAY 24
LOWEST STAGE WAS 0.26 AT 700 P.M., SEPT. 15

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,730 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET. THE AVERAGE RELATION BETWEEN BEALE STREET GAGE AND GAGE NEAR BRIDGE IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE.

RECORDS AVAILABLE. STAGE, OCT. 1934 TO SEPT. 1951 AND OCT. 1952 TO DATE IN REPORTS OF U. S. GEOLOGICAL SURVEY. DEC. 1934 TO DATE IN REPORTS OF U. S. WEATHER BUREAU. (WEATHER BUREAU STAGES FROM DEC. 1890 TO AUG. 1932 REFER TO BEALE ST. GAGE, AND FROM SEPT. 1932 TO DEC. 1934 TO GAGE AT SITE 1,000 FEET DOWNSTREAM.) SINCE 1950 IN REPORTS OF THE CORPS OF ENGINEERS. MEASURED DISCHARGE, INTERMITTENTLY FROM 1882 TO 1904, AND 1932 TO DATE. DAILY DISCHARGE, JAN. 1933 TO DATE. ALSO IN REPORTS OF THE GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 48.7 FEET ON FEB. 10, 1937. (50.7 AT BEALE ST., FEB. 9.) LOWEST, MINUS 5.35 FEET ON JAN. 24, 1956. (MINUS 5.19 AT BEALE ST.) MAXIMUM, 2,020,000 CFS WAS MEASURED ON FEB. 7, 1937 (STAGE, 48.3). MINIMUM, 78,000 CFS ON AUG. 25, 1936 (STAGE, 0.0).

DAILY EIGHT A.M. STAGE IN FEET — GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.1	0.8	25.2	9.3	22.1	15.0	3.0	-0.2	0.4	-0.2	-0.4	1.8
2	7.3	0.0	23.6	9.2	22.4	13.4	3.0	0.6	0.4	-0.1	-0.7	2.4
3	8.5	0.2	21.5	9.2	23.0	12.3	2.9	1.3	0.1	0.7	-1.0	2.8
4	10.6	0.5	19.1	9.1	23.7	11.1	2.6	1.2	0.2	1.4	-1.1	3.7
5	13.1	0.6	16.5	8.9	24.5	9.7	2.7	1.1	0.2	1.5	-0.7	5.0
6	14.4	0.9	14.4	8.6	25.4	8.8	3.0	1.3	-0.2	1.5	0.0	6.0
7	15.8	0.8	13.6	8.3	26.0	7.9	3.5	1.4	-0.8	1.5	0.5	6.3
8	17.2	0.3	13.9	8.5	26.6	7.2	3.7	1.2	-1.0	1.8	1.2	6.2
9	18.2	0.1	14.7	8.7	27.0	6.6	3.5	0.9	-0.7	2.3	1.8	6.4
10	19.0	1.3	15.3	9.0	27.1	6.3	2.7	0.4	-0.2	2.3	2.5	6.6
11	19.3	1.8	15.8	9.1	27.3	6.2	2.2	0.1	0.0	0.9	3.2	6.8
12	19.1	3.4	15.7	9.2	27.4	6.2	1.9	-0.1	-0.1	-0.6	3.7	7.9
13	18.5	8.3	15.4	9.1	27.4	6.1	1.7	0.4	-0.7	-0.8	4.4	10.1
14	17.7	13.7	15.0	9.1	27.1	6.2	1.8	1.0	-1.2	-0.5	4.9	13.5
15	16.8	19.0	14.4	10.1	26.5	6.5	1.7	1.0	-1.6	-0.6	5.3	16.7
16	15.7	22.2	13.7	11.4	26.0	7.3	1.8	0.8	-1.4	-0.5	6.0	18.5
17	14.6	24.1	13.2	12.1	24.9	8.0	2.3	1.3	-1.4	-0.4	6.9	19.4
18	13.4	25.4	12.8	12.8	23.8	8.6	2.8	2.4	-1.4	-0.6	7.8	19.8
19	12.0	26.4	12.5	13.6	23.1	10.1	3.4	2.9	-0.8	-0.6	8.2	19.9
20	10.0	26.9	12.2	14.5	22.8	11.5	3.5	2.8	-0.3	-0.4	8.0	20.1
21	7.4	27.3	12.0	15.6	22.9	12.4	3.4	2.5	-0.7	-0.2	7.6	20.2
22	5.7	27.6	11.7	16.0	23.3	12.3	3.1	2.4	-1.0	0.2	6.8	20.2
23	4.7	27.66	11.3	16.0	23.8	11.2	2.6	2.3	-0.2	0.4	5.2	20.0
24	3.8	27.68	10.7	16.3	24.2	10.0	2.1	2.5	0.4	1.0	3.4	19.2
25	3.4	27.6	10.0	17.3	24.1	8.8	1.7	2.9	0.1	1.8	2.5	18.1
26	3.0	27.4	9.6	18.5	23.8	7.5	1.2	2.8	0.6	2.3	2.2	16.8
27	2.8	27.1	8.9	19.6	23.1	6.2	0.8	2.4	0.8	2.1	2.1	15.2
28	2.9	26.3	8.2	20.2	21.8	5.0	0.7	1.9	0.3	1.3	2.1	14.1
29	2.3		8.1	20.7	20.3	3.9	+0.2	1.3	0.1	0.7	2.0	12.4
30	2.0		8.6	21.4	18.6	3.2	-0.6	0.8	-0.1	0.2	1.5	10.8
31	1.5		9.3		16.8		-0.6	0.5		-0.2		10.4
THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE												
MEAN	10.53	14.11	13.76	12.70	24.08	8.51	2.19	1.41	-0.34	0.58	3.19	12.16
MAX.	19.3	27.68	25.2	21.4	27.4	15.0	3.7	2.9	0.8	2.3	8.2	20.2
MIN.	1.5	0.0	8.1	8.3	16.8	3.2	-0.6	-0.2	-1.6	-0.8	-1.1	1.8

HIGHEST STAGE WAS 27.69 AT 100 A.M., FEB. 24
LOWEST STAGE WAS MINUS 1.6, SEPT. 15.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE. GAGE IS READ AND MAINTAINED BY THE U.S. GEOLOGICAL SURVEY AND U.S. WEATHER BUREAU.

GENERAL INFORMATION. DRAINAGE AREA, 932,800 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET ON GAGE. COOPERATING AGENCIES, U. S. GEOLOGICAL SURVEY AND U. S. WEATHER BUREAU.

RECORDS AVAILABLE. STAGE, SINCE NOV. 10, 1871, AT BEALE STREET GAGE WHICH IS AT MILE 735.9. [NOT PUBLISHED SINCE 1960.] DEC. 1890 TO AUG. 1932 [BEALE STREET], SEPT. 1932 TO 1934 [1,000 FEET DOWNSTREAM], AND SINCE DEC. 1934 [BRIDGE] IN REPORTS OF WEATHER BUREAU. AT PRESENT SITE, OCT. 1934 TO DATE. ALSO IN REPORTS OF GEOLOGICAL SURVEY. THE AVERAGE RELATION BETWEEN BEALE STREET AND BRIDGE STAGES IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE. DISCHARGE, 1882 INTERMITTENTLY TO 1904, AND 1931 TO DATE. COMPUTED DAILY, JAN. 1933 TO DATE. ALSO IN REPORTS OF GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 50.4 FEET AT BEALE STREET GAGE ON FEB. 9, 1937, AND 48.7 FEET AT BRIDGE GAGE ON NEXT DAY. LOWEST, MINUS 5.19 FEET AT BEALE AND MINUS 5.35 FEET AT BRIDGE ON JAN. 24, 1956. MAXIMUM, 2,020,000 CFS OBSERVED ON FEB. 7, 1937 [BRIDGE STAGE, 48.3]. MINIMUM, 78,000 CFS COMPUTED FOR AUG. 25, 1936 [BRIDGE STAGE, 0.0].

DAILY EIGHT A.M. STAGE IN FEET GAGE ZERO, 183.91 FEET, M.S.L. [1929 ADJ.]

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.3	13.0	13.3	25.1	26.3	11.7	7.7	9.7	1.6	18.1	5.4	3.7
2	10.3	13.6	12.9	26.6	25.5	11.5	6.8	7.8	2.0	18.3	5.2	4.0
3	10.9	14.0	13.4	27.9	25.3	11.3	6.3	5.8	2.1	18.3	4.8	4.4
4	11.1	14.1	14.6	28.9	25.5	11.4	6.5	3.9	2.8	17.9	4.9	4.8
5	11.1	13.8	15.9	29.6	25.8	11.5	7.2	2.8	5.0	16.9	4.8	4.7
6	11.6	13.1	17.3	30.4	25.9	11.4	9.4	1.9	6.5	15.5	4.2	4.5
7	12.7	12.1	18.6	31.0	25.8	11.5	11.4	1.3	7.7	14.0	3.7	4.1
8	14.4	10.9	20.0	31.4	25.5	12.0	12.8	1.4	8.4	12.5	3.4	3.3
9	16.2	9.4	21.2	31.8	24.8	13.0	13.2	1.8	6.4	11.5	3.6	2.5
10	17.5	8.2	22.0	32.2	23.7	14.1	12.9	2.1	5.4	11.2	3.7	2.3
11	17.8	7.1	22.4	32.6	22.4	15.0	12.2	2.3	6.6	11.2	3.3	2.4
12	18.0	10.1	22.6	32.92	21.1	15.5	11.5	2.1	7.5	11.2	2.9	2.4
13	18.3	13.1	22.7	32.97	19.9	15.5	11.0	2.0	8.2	10.9	2.6	2.1
14	18.8	17.1	22.5	32.96	19.1	15.1	10.5	1.7	9.6	10.3	2.2	1.8
15	18.9	20.7	22.3	32.92	18.6	14.5	9.9	1.4	11.0	9.7	2.5	2.0
16	19.0	23.2	22.1	32.8	18.2	13.5	9.4	1.3	11.7	9.0	2.9	2.1
17	18.7	24.7	22.0	32.7	17.8	12.7	9.0	1.2	11.2	8.2	2.7	2.0
18	18.4	25.5	21.7	32.7	17.3	12.0	8.7	1.3	10.6	7.6	2.5	1.9
19	18.1	26.0	21.1	32.6	16.8	11.5	8.4	1.2	9.7	7.1	2.6	2.2
20	18.0	26.1	20.4	32.6	16.2	11.2	8.2	0.7	9.2	6.9	2.7	2.7
21	17.2	25.7	19.9	32.5	15.4	11.0	8.0	0.4	10.1	6.9	3.1	3.2
22	15.8	24.9	20.1	32.4	14.7	10.7	7.8	0.3	11.2	7.2	3.6	3.4
23	14.4	23.9	20.8	32.2	14.2	10.3	7.2	0.2	11.3	7.4	3.7	3.5
24	12.8	22.6	21.7	32.0	13.6	9.9	6.2	0.4	10.8	7.4	4.0	3.6
25	11.3	21.0	22.3	31.8	13.0	9.6	5.9	0.5	10.8	7.3	4.2	3.3
26	9.6	18.7	22.7	31.4	12.4	9.5	7.0	0.5	11.9	7.1	4.5	2.9
27	8.4	16.5	22.0	30.8	12.3	9.2	9.0	0.7	13.7	7.0	4.6	2.8
28	8.1	14.5	21.5	30.0	11.4	9.1	10.6	0.5	15.3	7.0	4.0	2.9
29	9.3		21.9	28.8	11.0	8.9	11.8	-0.06	16.6	6.9	3.6	3.1
30	11.3		22.9	27.5	10.8	8.3	12.0	-0.28	17.5	6.6	3.6	3.6
31	12.3		23.7		11.2		11.2	0.6		6.0		4.7

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	14.18	17.27	20.27	31.07	18.76	11.75	9.35	1.85	9.08	10.42	3.65	3.13
MAX.	19.0	26.1	23.7	32.97	26.3	15.5	13.2	9.7	17.5	18.3	5.4	4.8
MIN.	8.1	7.1	12.9	25.1	10.8	8.3	5.9	-0.28	1.6	6.0	2.2	1.8

HIGHEST STAGE WAS 32.99 FROM 400 P.M. TO 1200 MIDNIGHT, APR. 12.
LOWEST STAGE WAS MINUS 0.3, AUG. 29 AND 30.

MISSISSIPPI RIVER AT MEMPHIS, TENN.

LOCATION. LAT. 35-07-37, LONG. 90-04-25. MILE 734.7, FIFTY FEET DOWNSTREAM FROM HARAHAN BRIDGE.

GAGE. AUTOMATIC RECORDER IN CONCRETE WELL HOUSE AT EAST END OF BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, 932,800 SQUARE MILES. BANKFULL STAGE, 34 FEET. AVERAGE LOW WATER PLANE, MINUS 1.1 FEET ON GAGE. COOPERATING AGENCIES, U. S. GEOLOGICAL SURVEY AND U. S. WEATHER BUREAU.

RECORDS AVAILABLE. STAGE, SINCE NOV. 10, 1871. AT BEALE STREET GAGE WHICH IS AT MILE 735.9. (NOT PUBLISHED SINCE 1960.) DEC. 1890 TO AUG. 1932 (BEALE STREET), SEPT. 1932 TO 1934 (1,000 FEET DOWNSTREAM), AND SINCE DEC. 1934 (BRIDGE) IN REPORTS OF WEATHER BUREAU. AT PRESENT SITE, OCT. 1934 TO DATE. ALSO IN REPORTS OF GEOLOGICAL SURVEY. THE AVERAGE RELATION BETWEEN BEALE STREET AND BRIDGE STAGES IS A STRAIGHT LINE YIELDING STAGES ON THE BRIDGE GAGE THE SAME AT ZERO STAGE, AND 1.6 FEET LOWER AT THE 50-FOOT STAGE. DISCHARGE, 1882 INTERMITTENTLY TO 1904, AND 1931 TO DATE. COMPUTED DAILY, JAN. 1933 TO DATE. ALSO IN REPORTS OF GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 50.4 FEET AT BEALE STREET GAGE ON FEB. 9, 1937, AND 48.7 FEET AT BRIDGE GAGE ON NEXT DAY. LOWEST, MINUS 5.19 FEET AT BEALE AND MINUS 5.35 FEET AT BRIDGE ON JAN. 24, 1956. MAXIMUM, 2,020,000 CFS OBSERVED ON FEB. 7, 1937 (BRIDGE STAGE, 48.31. MINIMUM, 78,000 CFS COMPUTED FOR AUG. 25, 1936 (BRIDGE STAGE, 0.01.

DAILY EIGHT A.M. STAGE IN FEET FOR 1964 GAGE ZERO, 183.91 FEET, M.S.L. (1929 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-4.5	8.32	4.99	32.24	26.22	6.83	11.65	0.8	-0.35	0.53	-1.2	4.7
2	-4.82	8.38	3.09	31.64	26.72	7.5	11.16	0.54	-0.41	1.39	-0.71	5.71
3	-5.05	8.45	2.07	30.79	27.24	8.63	9.81	0.48	-0.53	2.48	-0.5	6.66
4	-4.95	8.07	2.49	29.66	27.33	9.06	8.02	0.4	-0.74	3.64	-0.96	7.12
5	-4.95	7.22	3.07	27.33	27.36	8.49	6.56	0.21	-1.0	3.9	-1.33	6.71
6	-4.55	6.69	4.3	25.15	27.29	7.32	5.5	-0.2	-1.19	3.8	-1.44	6.85
7	-4.19	6.0	7.53	22.61	27.1	6.01	4.51	-0.5	-1.29	3.8	-1.25	7.74
8	-3.68	5.01	12.0	21.06	26.77	5.05	3.59	-0.24	-1.66	3.47	-1.11	9.28
9	-2.62	3.78	16.09	21.07	26.25	4.35	2.56	0.3	-1.9	2.92	-1.18	10.56
10	-1.91	2.46	20.1	22.69	25.39	3.9	2.21	0.3	-2.05	2.52	-0.76	11.09
11	-0.38	1.77	22.7	24.45	23.98	3.69	2.84	0.07	-1.4	2.25	-0.49	11.55
12	2.29	1.99	25.46	25.6	22.15	3.72	3.21	0.05	-0.94	2.05	-0.52	10.76
13	4.48	2.63	27.26	26.47	20.15	3.75	2.95	-0.25	-1.09	1.43	-0.64	10.52
14	5.64	3.04	28.14	26.41	18.04	3.57	3.06	-1.05	-0.93	0.57	-0.75	10.91
15	6.28	3.61	28.82	26.12	16.15	3.56	3.16	-1.3	-1.01	0.03	-0.73	11.14
16	6.52	3.73	29.42	25.76	14.54	3.43	3.49	-0.63	-0.48	-0.58	-0.8	11.51
17	6.44	3.59	30.0	25.54	13.15	3.15	3.67	-0.65	0.3	-1.01	-0.67	12.21
18	6.27	3.67	30.41	25.33	11.84	2.82	3.98	-1.56	0.83	-0.9	-0.61	E 12.96
19	6.0	4.42	30.88	24.98	10.78	3.12	4.14	-1.51	0.65	-0.79	-0.76	E 13.55
20	5.85	6.1	31.35	24.34	10.21	5.16	4.05	-0.9	0.51	-0.66	-0.44	E 13.83
21	5.19	7.69	31.86	23.36	9.86	7.83	3.84	-0.5	0.06	-0.9	-0.1	E 13.55
22	3.38	8.65	32.2	21.93	9.54	9.57	3.61	-0.39	-0.53	-1.2	0.42	E 13.09
23	0.91	9.07	32.5	20.24	9.26	10.7	3.41	-0.88	-0.64	-1.02	1.52	E 12.35
24	0.18	9.28	32.73	18.87	8.86	11.05	2.94	-1.21	-0.27	-0.86	2.37	E 11.34
25	0.98	9.24	32.95	18.37	8.21	10.76	2.31	-0.74	-0.34	-0.94	2.71	E 10.3
26	1.73	8.97	33.13	19.37	7.62	11.14	1.94	0.14	-0.11	-0.84	2.78	E 8.94
27	2.79	8.35	33.1	21.64	7.0	11.66	1.55	-0.13	-0.15	-0.5	2.79	E 7.05
28	4.38	7.6	33.1	23.29	6.51	11.91	1.38	-0.35	-0.11	-0.17	2.9	E 6.1
29	5.9	6.61	33.0	24.57	6.07	12.09	1.18	-0.04	-0.32	-0.69	2.82	E 6.48
30	7.11		32.88	25.49	6.04	11.96	0.95	0.23	-0.17	-1.34	3.43	E 7.32
31	7.98		32.61		6.28		0.68	0.01		-1.47		8.25

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

MEAN	1.57	6.01	23.23	24.55	16.58	7.06	4.00	-0.31	-0.58	0.67	0.16	9.68
MAX.	7.98	9.28	33.13	32.24	27.36	12.09	11.65	0.8	0.83	3.9	3.43	E 13.83
MIN.	-5.05	1.77	2.07	18.37	6.04	2.82	0.68	-1.56	-2.05	-1.47	-1.44	4.7

E- ESTIMATED.
HIGHEST STAGE WAS 33.13 AT 800 A.M. ON MAR. 26.
LOWEST STAGE WAS MINUS 5.05 AT 800 A.M ON JAN. 3.

1963

MISSISSIPPI RIVER
Memphis, Tennessee

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.) (Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau - Geological Survey

Automatic recording gage located at east end of Harahan Bridge.

Highest: 36.61 at 8:00 p.m. on 29 March.
Lowest: -4.31 at 12:00 p.m. on 31 December
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.9	1.7	5.6	36.3	9.2	12.2	3.7	3.6	0.9	-2.1	-2.6	-1.7
2	10.1	1.2	6.1	36.1	9.8	12.3	3.3	3.1	1.5	-2.4	-2.9	-1.0
3	9.6	1.1	6.0	35.7	11.6	11.7	2.8	2.8	1.4	-2.4	-3.0	0.2
4	8.8	1.0	5.3	35.4	13.9	11.2	3.2	3.0	1.0	-2.3	-3.0	0.1
5	8.4	0.9	5.2	34.8	15.3	10.8	3.8	2.7	0.3	-2.4	-2.8	-0.3
6	8.3	1.1	5.7	34.3	15.4	10.1	4.2	2.5	0.1	-2.2	-2.4	0.0
7	8.4	2.3	7.2	33.6	14.4	8.9	3.9	2.8	0.0	-2.1	-2.5	0.5
8	8.4	3.8	10.9	32.6	13.3	7.6	3.5	3.0	0.3	-2.2	-2.9	0.7
9	8.1	5.0	16.9	31.5	12.2	6.8	3.2	3.1	0.4	-2.5	-2.7	0.4
10	7.2	6.1	21.6	29.9	11.5	6.3	2.6	3.2	-0.1	-2.5	-1.9	-0.1
11	5.6	7.0	24.7	27.8	10.5	6.4	2.1	3.0	-0.8	-2.3	-1.6	-0.1
12	3.5	7.8	26.4	25.3	9.5	6.9	2.0	2.4	-1.0	-2.3	-1.5	-0.4
13	2.6	8.2	27.4	22.4	8.7	7.8	2.1	2.2	-0.6	-2.3	-1.3	-1.1
14	2.8	8.4	28.2	19.7	8.3	8.4	1.9	2.4	-0.4	-2.3	-1.5	-1.1
15	3.0	8.4	28.8	17.6	7.9	9.0	1.6	2.6	-0.3	-2.6	-1.6	-0.6
16	3.5	8.3	29.5	16.0	7.2	9.6	1.5	2.7	-0.0	-2.8	-1.6	-0.4
17	4.3	8.2	30.3	14.4	7.1	9.5	2.0	2.6	-0.0	-2.8	-1.9	-0.3
18	5.1	8.0	31.1	12.9	7.3	8.9	2.4	1.9	-0.3	-2.7	-2.1	-0.3
19	5.7	7.6	31.9	11.0	7.5	8.7	2.3	1.0	-0.5	-2.5	-2.2	-0.4
20	6.4	7.2	32.8	9.3	8.2	8.8	2.2	0.7	-0.8	-2.5	-2.5	-0.6
21	7.4	6.7	33.8	8.0	9.6	8.2	2.5	0.3	-1.1	-2.7	-2.8	-1.1
22	8.3	6.0	34.5	7.3	11.2	6.6	2.8	0.4	-1.1	-2.7	-3.0	-1.8
23	8.8	5.1	35.1	6.8	12.6	5.6	3.2	0.9	-1.2	-2.8	-2.5	-2.6
24	8.4	3.9	35.5	6.4	13.0	5.2	3.7	0.8	-1.4	-2.9	-2.4	-3.2
25	7.7	3.4	35.8	6.3	12.8	4.8	4.2	0.6	-2.1	-2.9	-2.6	-3.2
26	7.2	3.7	36.2	6.4	12.9	4.8	4.4	0.5	-2.3	-3.0	-2.5	-3.4
27	5.9	3.9	36.3	6.8	12.9	4.6	4.7	0.4	-1.9	-2.8	-2.2	-3.7
28	4.2	4.5	36.5	7.1	11.8	4.4	4.6	0.4	-1.7	-2.7	-1.8	-3.90
29	3.0		36.61	7.7	10.9	4.3	4.1	0.4	-1.7	-3.0	-1.8	-3.6
30	2.4		36.59	8.6	11.1	4.0	3.8	0.3	-1.9	-3.1	-1.8	-3.6
31	2.2		36.5		11.6		3.7	0.3		-2.9		-4.30

8:00 a. m. readings.

1962

MISSISSIPPI RIVER
Memphis, Tennessee

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.) (Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau - Geological Survey

Automatic recording gage located at east end of Harahan Bridge

Highest: 36.80 on 20-21 March
Lowest: -0.68 on 20 December
Period of record: 1869 to date
Highest for period of record: 48.67 on 10 February 1937
Lowest for period of record: -5.35 on 24 January 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.5	27.5	27.0	36.4	24.4	10.6	9.0	9.3	1.4	2.8	3.0	8.0
2	18.4	28.0	28.9	36.5	22.9	11.0	8.9	8.5	1.9	3.2	3.0	8.5
3	16.4	28.4	30.3	36.5	22.0	11.3	8.5	7.7	2.3	3.6	2.4	8.6
4	14.8	28.7	31.5	36.5	21.4	12.0	7.9	7.2	2.4	3.8	2.5	8.0
5	13.6	29.1	32.7	36.6	21.0	13.6	7.5	6.8	2.4	4.0	2.8	5.9
6	12.6	29.2	33.7	36.6	20.7	15.0	7.1	6.4	2.7	4.6	3.0	3.6
7	11.8	29.0	34.5	36.6	20.3	15.6	6.8	6.0	3.5	5.6	3.2	2.6
8	11.0	28.9	35.0	36.4	19.7	15.4	7.3	5.7	4.0	6.2	3.6	2.4
9	11.4	28.8	35.6	36.3	18.9	14.8	8.8	5.2	4.3	6.4	3.9	2.6
10	13.4	28.4	35.8	36.1	18.0	14.4	10.0	5.0	4.4	6.2	3.3	3.0
11	15.4	27.8	36.0	36.0	17.2	14.7	10.3	5.2	4.4	5.7	2.2	3.5
12	16.5	27.1	36.0	35.8	16.4	15.0	9.8	5.3	4.5	5.5	2.1	3.7
13	17.0	26.1	36.1	35.5	15.6	15.0	9.2	5.0	4.7	5.0	2.5	3.5
14	17.1	25.1	36.2	35.2	14.8	15.0	8.7	4.6	4.6	4.3	3.6	3.3
15	17.2	23.9	36.3	35.1	14.4	15.4	8.5	4.1	4.9	4.0	5.2	2.9
16	17.1	23.0	36.4	35.0	14.6	15.8	8.2	3.7	5.4	4.4	6.2	1.9
17	17.6	22.0	36.5	34.9	14.9	16.0	7.9	3.3	6.4	4.7	7.2	1.0
18	18.4	21.0	36.6	34.9	14.8	16.2	7.8	2.7	6.2	4.6	8.3	0.2
19	18.7	20.4	36.7	34.9	14.3	16.2	8.1	2.3	5.6	4.4	9.3	-0.4
20	18.4	19.9	36.80	34.9	13.9	16.0	8.8	2.2	5.0	4.5	9.9	-0.68
21	17.7	19.8	36.80	34.7	13.2	15.2	10.0	2.2	5.1	5.4	10.0	-0.3
22	17.1	19.7	36.5	34.6	12.1	14.1	10.9	1.9	5.2	5.7	9.6	0.4
23	17.2	19.6	36.1	34.4	11.3	12.7	10.6	1.5	5.1	5.0	9.0	1.1
24	17.1	19.6	35.8	34.1	10.8	11.7	9.4	1.4	4.3	4.1	8.4	1.4
25	18.3	19.5	35.6	33.6	10.4	11.2	9.1	1.2	3.6	3.9	7.9	2.1
26	19.9	20.7	35.7	33.0	9.9	10.5	8.9	1.1	3.1	3.9	7.8	3.0
27	21.8	22.8	35.7	31.9	9.5	10.2	8.6	1.0	2.8	4.0	7.8	4.2
28	23.4	25.0	35.7	30.4	9.2	9.8	8.7	1.3	2.7	3.8	7.8	5.2
29	24.6		35.8	28.3	9.2	9.7	9.4	1.4	2.7	3.6	7.7	6.2
30	25.6		36.0	25.8	9.7	9.3	9.9	1.6	2.8	3.2	7.7	7.6
31	26.7		36.3		10.2		9.8	1.4		2.8		9.0

8:00 a.m. readings
EMS 21
June 62

1961

MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.) (Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 40.18 at 6:00 a.m. on 22 May.
Lowest: -0.73 on 6 February.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.7	0.6	22.9	32.5	27.2	24.0	11.0	14.1	3.7	12.8	3.3	14.6
2	2.2	0.5	23.8	31.5	27.2	20.9	9.2	13.5	4.0	12.1	3.1	14.0
3	3.2	0.9	24.6	30.9	27.0	18.5	8.1	12.5	3.7	11.0	3.5	13.6
4	5.2	0.3	25.5	30.5	26.9	16.6	7.5	11.5	3.3	10.0	3.7	13.3
5	6.8	-0.5	26.3	30.1	26.8	15.2	7.6	11.0	3.3	9.0	4.7	13.0
6	7.8	-0.73	26.9	29.6	26.8	14.4	7.9	10.7	3.6	8.2	7.4	12.3
7	8.2	-0.5	27.3	28.8	26.9	14.0	8.2	10.5	3.6	8.2	10.2	11.5
8	8.4	0.2	27.8	27.8	27.2	13.7	8.2	10.6	3.2	8.9	12.5	9.7
9	7.9	0.5	28.4	27.8	28.1	13.8	7.8	11.0	3.4	9.4	14.1	8.4
10	7.4	1.0	29.0	26.1	29.2	13.5	7.1	11.5	3.7	9.2	14.9	8.4
11	6.7	1.6	29.7	25.4	30.2	13.4	6.4	11.7	4.3	8.4	15.3	8.6
12	5.4	2.0	30.4	25.3	31.3	14.3	5.9	11.5	4.9	7.8	15.3	10.0
13	4.0	2.6	31.5	25.1	32.4	15.2	6.3	11.4	4.8	7.3	14.5	12.0
14	3.2	3.8	32.5	24.9	33.7	15.4	7.1	11.1	4.3	6.3	13.0	13.8
15	2.8	5.0	33.4	25.3	35.0	15.7	7.1	10.6	4.0	5.2	11.8	15.1
16	2.4	5.7	34.0	26.3	36.3	16.2	6.4	10.2	3.6	4.7	10.9	15.9
17	1.8	6.0	34.5	26.8	37.6	17.2	5.7	10.1	3.4	4.4	10.0	17.4
18	1.8	6.1	34.9	27.2	38.6	18.4	5.8	10.1	4.7	5.0	9.5	17.6
19	2.8	6.4	35.4	27.6	39.3	19.3	6.3	10.0	8.8	6.9	9.3	18.1
20	4.0	6.7	35.7	27.8	39.8	19.9	6.6	9.6	12.5	8.2	9.6	19.0
21	4.8	7.8	35.9	27.9	40.1	20.2	7.2	8.7	14.8	8.4	10.7	20.1
22	5.3	9.3	36.06	27.8	40.18	20.5	8.0	7.3	16.0	8.0	12.8	21.1
23	6.3	10.8	36.05	27.5	40.1	20.7	8.6	5.5	16.1	7.1	15.7	22.1
24	7.5	13.3	36.0	27.1	39.7	20.6	9.5	5.3	15.1	6.3	16.8	22.8
25	8.2	16.8	35.8	26.7	39.1	20.3	10.3	3.6	13.6	5.7	17.6	23.3
26	8.7	19.3	35.5	26.4	38.3	19.5	10.8	3.6	12.1	5.3	17.8	23.7
27	8.7	20.8	35.2	26.2	37.2	18.2	11.3	3.9	10.8	5.2	17.8	24.4
28	8.1	22.0	34.9	26.4	35.8	16.5	12.6	3.8	10.5	5.2	17.2	24.7
29	7.1		34.5	26.6	33.6	14.8	14.0	3.5	11.1	5.2	16.4	24.5
30	4.7		33.9	26.8	30.6	13.0	14.5	3.2	12.0	4.9	15.4	23.8
31	1.9		33.3		27.2		14.4	3.2		4.0		22.4

8:00 a.m. readings.

1960

MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.) (Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 33.28 at 4:00 p.m. on 17 April.
Lowest: -0.27 on 2 November.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.7	16.3	17.2	18.9	19.0	19.5	20.5	4.7	3.6	2.0	0.1	1.7
2	16.7	15.4	16.5	21.0	17.9	19.5	20.9	4.6	3.0	2.2	-0.27	1.7
3	17.1	14.9	16.2	23.2	17.1	19.5	21.3	4.3	2.5	2.2	0.0	2.2
4	17.5	14.4	15.9	25.0	16.7	19.3	21.4	3.9	2.4	2.1	0.3	2.8
5	17.6	14.0	16.0	26.4	17.1	19.0	21.4	3.6	3.0	2.0	0.6	2.6
6	17.6	13.5	16.7	27.5	17.8	18.6	21.5	3.5	4.2	1.7	0.7	2.4
7	17.3	13.2	17.6	28.6	18.3	18.0	21.9	3.0	5.3	1.7	1.4	2.5
8	16.8	13.1	18.3	29.3	18.1	17.3	22.5	3.0	5.7	1.7	2.8	2.2
9	16.4	13.6	18.6	30.0	17.8	16.5	22.9	3.6	5.4	1.9	4.0	2.1
10	16.1	14.7	18.4	30.6	17.9	15.8	22.8	4.4	5.3	2.0	4.4	1.7
11	15.7	15.9	17.8	31.1	18.4	14.9	22.4	4.8	4.6	2.0	3.9	1.4
12	15.6	17.1	17.0	31.7	19.0	13.3	21.6	5.0	3.9	1.6	3.8	1.4
13	15.8	18.0	15.8	32.2	19.6	12.4	20.1	5.2	3.5	1.3	3.9	1.8
14	16.0	18.7	14.6	32.5	20.5	12.2	17.8	5.0	3.8	1.1	4.1	2.9
15	16.2	19.2	13.4	32.8	21.2	12.0	15.1	4.9	3.7	1.0	4.6	3.2
16	16.2	19.7	12.5	33.0	21.6	11.7	13.3	4.8	3.6	0.6	5.0	3.2
17	16.7	20.3	11.9	33.28	21.9	11.7	12.6	4.5	3.8	0.3	4.9	3.4
18	17.8	21.0	11.7	33.2	22.0	12.2	12.6	4.4	3.8	0.1	4.5	3.2
19	19.8	21.3	11.8	33.1	21.9	13.4	12.6	4.2	3.5	0.4	4.1	3.0
20	20.9	21.5	12.4	32.8	21.7	14.5	11.8	3.4	3.4	0.6	3.8	2.8
21	22.6	21.6	13.2	32.2	21.5	15.7	10.4	3.5	3.8	0.3	3.7	2.2
22	24.0	21.8	14.0	31.4	21.4	16.1	9.4	3.2	4.4	0.7	3.6	1.7
23	24.8	22.0	14.9	30.4	21.3	15.6	8.7	3.2	4.3	1.0	3.2	1.3
24	25.3	21.9	15.7	29.1	21.3	14.7	8.0	3.4	4.0	1.0	3.0	1.0
25	25.3	21.7	16.3	27.8	21.2	13.8	7.5	3.3	3.7	0.9	3.0	1.2
26	24.7	21.1	16.6	26.5	21.0	13.6	6.8	3.2	3.5	0.7	3.1	1.7
27	23.7	20.2	16.6	25.1	20.9	13.9	6.1	3.6	3.2	0.5	3.3	1.6
28	22.3	19.1	16.9	23.5	20.0	15.2	5.7	4.2	3.1	0.4	3.1	1.0
29	20.8	18.2	17.2	21.8	19.7	17.6	5.6	4.5	2.6	0.4	2.8	0.6
30	19.1		17.6	20.4	19.7	19.6	5.2	4.4	2.1	0.4	2.1	0.6
31	17.5		17.9		19.6		4.8	4.1		0.2		0.9

8:00 a.m. readings.

MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.)(Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35°07'37" - Long.: 90°04'25"
U. S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 27.86 on 27 February.
Lowest: -2.21 on 25 September.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-0.8	24.5	27.0	17.7	15.9	15.5	3.4	4.4	1.9	1.7	5.5	7.0
2	0.4	24.7	26.6	17.6	14.7	14.9	3.4	4.2	1.9	3.3	6.1	8.4
3	1.1	25.0	25.9	17.9	13.9	14.3	3.8	3.6	2.1	5.0	6.4	9.8
4	1.4	25.4	24.9	18.2	13.4	14.0	4.2	2.9	2.7	6.4	6.7	10.8
5	1.6	25.5	23.8	18.3	13.5	14.5	4.4	2.4	3.0	7.0	6.5	11.3
6	2.0	25.5	22.8	18.6	13.7	15.7	4.4	2.1	3.0	7.2	6.0	11.6
7	2.5	25.3	21.6	18.9	14.0	16.9	4.6	2.2	3.2	7.1	6.0	11.6
8	3.6	24.8	20.6	19.3	13.9	17.6	5.4	2.5	3.0	7.1	6.4	11.6
9	4.5	24.0	19.9	19.8	13.8	17.5	6.6	3.0	2.9	7.3	7.1	11.6
10	4.8	22.8	19.4	19.8	13.8	16.7	7.5	4.9	3.0	7.8	7.6	11.4
11	4.9	21.0	19.2	19.6	13.8	16.0	7.2	6.3	2.7	9.5	7.7	11.3
12	4.8	18.9	19.2	19.5	14.0	15.4	6.5	7.4	2.3	11.6	7.9	11.3
13	4.3	17.1	19.0	19.6	14.4	14.8	5.4	7.6	2.0	13.2	7.8	10.9
14	3.0	17.3	18.7	20.0	15.2	13.5	4.6	7.0	1.9	14.2	7.7	10.6
15	2.1	18.9	18.6	20.3	15.7	11.2	4.0	5.9	1.8	14.8	7.4	11.0
16	1.4	20.5	18.7	20.5	15.7	9.7	3.7	4.5	1.3	14.9	7.2	12.4
17	0.9	22.6	19.1	20.3	15.4	8.7	3.6	3.5	0.6	13.9	6.9	14.1
18	1.5	24.2	19.3	19.9	14.9	8.0	3.3	2.9	0.1	12.5	6.0	15.5
19	2.6	25.4	19.3	19.2	14.4	7.5	3.0	2.5	-0.1	10.9	5.4	16.4
20	4.6	26.3	19.3	18.4	13.9	7.0	2.8	3.7	-0.5	9.5	5.4	17.1
21	6.4	26.9	19.3	18.1	13.8	6.2	3.2	4.8	-1.0	8.3	5.5	18.1
22	7.9	27.3	19.5	18.2	14.3	5.6	3.6	4.3	-1.4	7.5	5.6	19.4
23	9.8	27.7	19.3	18.6	15.0	5.0	3.6	3.8	-1.7	7.0	5.4	20.7
24	13.3	27.85	19.0	18.7	15.3	4.2	3.5	3.8	-2.1	6.6	4.9	21.7
25	17.0	27.84	18.6	18.6	15.4	3.4	3.3	3.3	-2.21	5.8	4.2	22.2
26	19.6	27.85	18.5	18.4	15.5	2.9	3.2	2.6	-2.0	5.0	4.0	22.1
27	21.6	27.86	18.5	18.3	15.9	3.1	3.7	2.0	-2.0	4.3	4.1	21.4
28	22.6	27.6	18.3	18.3	16.6	3.4	4.3	1.6	-1.8	3.8	4.4	20.6
29	23.5		18.2	17.8	16.5	3.6	4.7	1.3	-1.1	4.0	5.5	19.5
30	24.0		18.2	17.0	16.4	3.6	4.7	0.9	0.1	4.4	6.2	18.2
31	24.3		18.0		16.2		4.5	1.3		4.9		17.2

8:00 a.m. readings.

1958
MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.)(Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35°07'37" - Long.: 90°04'25"
U. S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 29.88 at 5:00 a.m. on 16 May.
Lowest: -1.44 on 31 December.
Period of record: 1869 to date
Highest for period of record: 48.67 on 10 February 1937
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.7	18.0	3.5	19.7	19.2	10.7	15.3	29.5	8.4	7.4	0.8	5.2
2	26.7	18.3	4.8	19.6	21.3	9.9	14.9	29.4	8.0	7.2	0.6	5.0
3	26.8	18.6	7.0	19.4	22.9	9.1	14.5	29.0	7.2	6.8	0.4	5.1
4	26.8	18.5	9.4	19.1	24.1	7.8	14.1	28.8	6.7	6.4	0.3	5.4
5	26.6	18.3	12.2	18.6	25.1	6.8	13.2	28.7	6.0	5.8	0.1	6.1
6	26.3	17.9	14.1	18.4	26.0	6.7	11.7	28.8	4.7	5.0	0.3	6.3
7	25.8	17.3	15.3	18.4	26.5	6.7	10.0	28.8	3.8	4.2	0.6	6.0
8	25.0	16.4	16.4	18.4	26.8	6.9	8.8	28.9	3.7	3.2	0.6	5.4
9	23.8	15.6	17.4	18.5	27.8	7.8	8.6	29.0	4.1	2.8	0.2	5.3
10	22.3	15.5	17.8	18.8	28.6	7.7	9.6	29.0	4.0	2.9	0.3	5.6
11	20.5	15.8	18.1	19.2	29.2	6.7	10.8	28.9	3.9	2.9	0.3	6.4
12	18.2	16.1	18.3	19.4	29.6	6.1	11.8	28.4	4.3	2.7	0.0	7.0
13	15.6	16.0	18.7	19.5	29.8	6.2	12.6	27.6	4.7	2.4	0.2	7.2
14	12.7	15.4	19.0	19.6	29.8	7.4	12.9	26.3	5.2	2.3	0.0	7.2
15	10.4	15.0	19.1	20.3	29.86	9.2	12.8	24.9	5.8	2.7	0.1	6.9
16	8.8	14.5	19.0	20.5	29.88	11.0	13.0	23.4	6.1	3.6	0.0	6.4
17	7.9	14.1	18.8	20.4	29.8	12.5	13.6	22.0	6.3	4.3	0.0	5.4
18	7.6	13.6	18.4	20.3	29.8	14.0	15.4	20.2	6.3	4.3	0.4	3.6
19	7.4	12.6	17.5	20.2	29.8	15.5	18.0	18.7	6.0	3.8	0.6	1.8
20	7.4	11.3	16.4	20.0	29.8	16.8	20.2	17.3	6.2	3.1	1.2	0.9
21	8.1	9.8	15.6	19.7	29.7	17.7	22.2	16.1	6.1	2.5	2.6	0.4
22	8.4	8.3	15.0	19.1	29.6	18.1	23.6	15.0	5.9	1.7	3.8	-0.1
23	9.2	7.1	14.5	18.2	29.4	18.0	24.9	14.0	6.2	1.1	5.2	-0.3
24	10.6	6.5	14.6	17.4	29.0	17.7	25.8	13.3	6.9	0.9	6.7	-0.4
25	12.0	6.2	14.3	17.0	28.3	17.3	27.0	12.6	8.1	1.0	8.0	-0.6
26	13.0	5.0	14.8	16.6	26.7	17.0	27.8	11.9	8.8	0.9	8.1	-0.7
27	13.8	4.4	16.2	16.0	24.2	16.7	28.5	11.0	8.5	0.6	7.9	-0.7
28	14.5	3.7	17.6	15.7	20.9	16.5	28.9	9.7	7.8	0.3	7.6	-0.9
29	15.5		18.4	16.4	17.4	16.3	29.3	8.9	7.4	0.0	6.9	-1.1
30	16.4		19.0	17.6	14.4	15.8	29.5	8.8	7.2	0.1	5.8	-1.33
31	17.2		19.5		12.2		29.6	8.7		0.4		-1.44

8:00 a.m. readings

1957
MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.)(Bankfull 34') 731.5 L Miles A.H.P.
Lat.: 35°07'37" - Long.: 90°04'25"
U.S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 31.16 at 4:00 p.m. on 16 February
Lowest: -0.93 at 4:00 p.m. on 15 October
Period of record: 1869 to date
Highest for period of record: 48.67 on 10 February 1937
Lowest for period of record: -5.35 on 24 January 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.2	19.6	21.2	11.7	24.5	29.6	14.8	9.2	-0.7	1.9	5.1	25.8
2	10.7	22.1	19.8	11.2	23.5	29.5	14.9	10.2	-0.7	1.7	5.2	24.6
3	10.1	23.6	19.0	10.4	22.8	28.9	15.9	10.6	-0.8	1.1	4.7	23.4
4	9.7	24.7	18.6	10.9	21.9	27.9	17.2	10.1	-0.8	0.5	3.9	21.9
5	9.3	25.6	18.4	11.2	20.8	26.5	18.9	8.9	-0.7	0.5	3.1	20.1
6	8.5	26.5	18.0	12.7	19.6	24.7	20.4	7.7	-0.5	0.7	2.4	18.0
7	7.7	27.1	17.5	16.3	18.5	23.0	21.1	6.9	-0.3	0.4	2.0	16.6
8	7.2	27.9	16.7	20.0	17.6	21.4	21.1	6.5	-0.2	0.2	2.7	15.0
9	7.0	28.6	16.0	22.9	16.9	20.1	20.7	6.2	-0.4	0.0	2.6	14.1
10	6.8	29.2	15.5	24.7	16.1	19.0	20.3	5.7	-0.5	-0.3	2.8	14.1
11	6.2	29.6	15.5	26.0	15.1	18.2	20.1	4.9	-0.6	-0.6	4.1	15.1
12	5.2	30.0	15.9	27.2	13.8	18.1	19.8	4.1	-0.5	-0.6	4.8	16.7
13	3.8	30.3	16.0	28.1	12.0	18.3	19.2	3.3	-0.3	-0.5	5.1	18.4
14	3.2	30.7	15.9	28.8	10.5	18.2	18.1	3.6	-0.1	-0.8	5.9	19.8
15	3.8	30.8	15.4	29.1	10.3	17.3	16.9	4.6	0.1	-0.93	5.8	20.8
16	4.7	31.16	14.7	29.4	10.0	16.4	15.8	4.4	0.5	-0.8	8.0	21.2
17	5.6	31.12	14.1	29.4	9.8	15.9	14.9	3.7	1.0	-0.7	11.7	21.3
18	7.0	31.0	13.8	29.4	9.4	16.2	14.2	3.1	1.0	-0.7	14.9	21.0
19	8.5	30.9	13.5	29.6	9.5	17.5	13.7	2.3	1.2	-0.5	17.2	21.0
20	9.6	30.6	13.1	29.6	9.9	18.4	13.2	1.9	1.9	-0.2	18.8	21.2
21	10.0	30.2	12.6	29.6	11.4	18.5	12.6	1.6	2.0	-0.2	21.2	21.2
22	10.2	29.7	11.9	29.7	13.8	18.0	11.7	1.5	2.5	-0.5	23.3	21.4
23	9.6	29.2	11.1	29.8	16.8	17.4	11.0	1.5	2.3	-0.3	24.7	22.1
24	8.5	28.6	10.4	29.7	19.7	16.7	10.2	1.5	2.1	0.6	25.8	23.0
25	8.2	28.1	9.9	29.6	22.6	16.0	9.6	1.4	1.9	0.5	26.7	23.9
26	8.9	27.0	9.6	29.2	25.4	15.8	9.4	0.9	1.5	0.9	27.3	24.8
27	10.6	25.4	9.3	28.8	27.2	15.8	9.4	0.6	1.4	1.3	27.6	25.6
28	12.8	23.2	9.7	28.0	28.3	15.8	9.4	0.4	1.5	1.6	27.6	26.2
29	14.4		10.5	27.0	29.1	15.4	9.0	0.2	1.6	2.6	27.4	26.5
30	15.5		11.2	25.8	29.5	15.0	9.0	-0.2	1.8	3.8	26.8	26.6
31	16.8		11.7		29.6		9.1	-0.5		4.6		26.6

8:00 a.m. readings

1956
MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m. s. l. (184.21 m. g. l.) (Bankfull 34') 731.5 L miles AHP
Lat.: 35°07'37" - Long.: 90°04'25" .
U. S. Weather Bureau

Automatic recording gage located at east end of Harahan Bridge.

Highest: 29.35 at 1:00 a. m. on 2 March
Lowest: -5.35 on 24 January
Period of record: 1869 to date
Highest for period of record: 48.67 on 10 February 1937
Lowest for period of record: -5.35 on 24 January 1956.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.4	-1.2	29.3	22.8	18.0	9.6	10.3	6.6	1.5	-1.3	-2.7	-1.2
2	-1.6	4.0	29.35	21.3	16.5	8.9	10.3	6.5	0.8	-1.8	-2.6	-1.2
3	-2.0	9.7	29.2	19.4	15.4	8.9	10.0	6.4	0.7	-1.8	-2.8	-1.3
4	-2.4	14.2	28.9	17.9	15.0	9.6	9.7	6.3	0.8	-1.4	-2.8	-1.6
5	-2.3	17.9	28.6	16.6	15.1	11.0	9.5	6.5	1.2	-1.0	-2.4	-2.2
6	-2.3	20.4	28.2	16.2	15.2	12.4	9.3	6.9	1.9	-1.1	-2.0	-2.3
7	-2.6	22.1	27.7	16.3	15.1	13.7	8.8	7.6	2.3	-1.4	-2.0	-2.5
8	-3.0	23.2	27.2	17.0	14.9	14.5	8.5	8.3	2.2	-1.6	-1.6	-2.7
9	-3.0	24.3	26.4	18.3	14.8	14.9	8.4	8.4	1.9	-1.7	-1.3	-3.2
10	-3.1	25.1	25.8	20.0	15.1	14.8	8.4	7.9	1.5	-1.7	-1.5	-3.4
11	-3.3	25.8	25.4	21.6	15.7	14.5	8.2	6.9	1.4	-1.7	-1.8	-2.9
12	-3.1	26.4	24.8	22.5	16.2	14.1	8.0	6.2	1.4	-1.8	-2.2	-1.5
13	-3.1	26.5	24.4	23.1	16.6	13.6	7.7	6.0	1.3	-1.8	-2.9	-0.2
14	-3.2	26.2	24.2	23.4	16.7	12.9	7.8	6.0	1.2	-1.9	-3.1	0.9
15	-3.6	25.8	23.8	23.6	16.6	12.0	7.8	6.3	1.0	-2.4	-2.8	2.1
16	-3.8	25.4	23.7	23.6	16.2	10.9	7.7	7.3	0.9	-2.6	-2.6	4.0
17	-4.0	24.9	23.7	23.5	15.4	9.9	7.2	8.4	0.7	-2.8	-2.9	6.6
18	-4.1	24.9	24.1	23.6	14.7	8.8	6.4	9.2	0.3	-3.0	-3.3	9.5
19	-4.1	24.8	24.7	23.9	14.2	7.7	5.6	9.7	0.6	-3.2	-3.4	11.2
20	-4.3	25.3	25.4	24.2	13.9	5.7	5.1	10.0	1.0	-3.7	-3.1	12.1
21	-4.6	26.2	25.6	24.3	13.3	3.7	5.0	9.6	1.6	-4.0	-2.6	12.4
22	-5.0	26.9	26.1	24.2	12.9	3.2	5.5	8.6	2.0	-4.2	-2.9	12.7
23	-5.2	27.5	26.4	23.7	12.6	3.7	6.3	7.5	2.0	-4.4	-2.6	13.0
24	-5.35	28.0	26.6	23.1	12.8	4.6	7.0	6.5	1.7	-4.8	-2.0	13.2
25	-5.30	28.4	26.5	22.5	12.9	5.3	7.0	5.4	0.8	-4.8	-1.5	13.3
26	-5.0	28.6	26.2	22.1	12.8	6.7	6.8	4.5	-0.2	-4.0	-0.9	13.5
27	-4.6	28.8	25.8	21.7	12.4	7.8	6.5	4.1	-0.4	-3.6	-1.1	13.6
28	-4.1	29.1	25.6	21.2	11.9	8.4	6.4	3.8	-0.5	-3.6	-1.2	13.4
29	-3.8	29.3	25.2	20.4	11.4	9.1	6.4	3.4	-0.9	-3.5	-1.0	12.9
30	-1.9		24.6	19.4	10.8	9.8	6.3	2.9	-1.1	-3.4	-1.0	12.3
31	-2.0		23.8		10.2		6.4	2.4		-2.9		11.8

8:00 A. M. readings

1955
MISSISSIPPI RIVER
MEMPHIS, TENNESSEE

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.) (Bankfull 34') 731.5 L miles A.H.P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau.

Automatic recording gage located at east end of Harahan Bridge.

Highest: 35.45 at 4:00 p. m. on 2 April.
Lowest: -3.55 on 21, 22 September.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -3.57 on 21 November 1953.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.7	4.5	25.7	35.2	20.6	8.8	6.0	3.7	-1.4	-2.0	-1.3	6.5
2	9.4	3.7	26.0	35.4	20.5	9.8	6.4	3.6	-1.5	-2.3	-0.6	6.3
3	10.9	2.6	26.0	35.3	20.4	10.9	6.8	3.2	-1.7	-1.4	0.1	5.8
4	11.7	2.1	26.0	35.0	20.1	11.5	6.6	2.6	-1.3	-0.2	0.1	5.1
5	12.0	2.2	26.0	34.5	19.7	11.4	6.2	2.1	-0.7	0.2	0.5	3.8
6	12.4	2.9	26.4	34.1	19.0	10.8	5.4	1.3	-0.2	0.7	1.4	2.6
7	13.2	3.5	26.6	33.2	18.2	9.8	4.8	0.7	-0.1	1.2	2.1	2.0
8	14.1	4.3	26.8	31.6	17.3	9.1	4.4	0.4	-0.3	0.9	2.4	2.6
9	14.8	5.2	26.8	29.5	16.2	8.6	4.0	0.2	-0.7	0.5	2.2	3.8
10	15.7	7.2	26.9	27.2	14.9	8.4	3.9	0.1	-1.3	2.1	1.8	4.5
11	16.9	9.9	27.1	25.1	13.4	8.5	4.2	0.4	-1.6	4.8	1.3	4.7
12	18.0	12.4	27.4	23.1	11.8	8.8	4.9	1.0	-1.9	7.0	1.2	4.7
13	18.4	14.2	27.8	22.0	9.8	9.2	6.0	1.5	-2.3	7.7	1.3	4.5
14	18.1	15.4	28.1	20.8	7.8	10.0	6.8	1.7	-2.7	6.8	1.2	4.0
15	17.5	16.2	28.3	20.1	7.0	10.8	7.2	2.0	-2.8	5.8	1.1	3.7
16	16.7	16.9	28.5	19.8	7.4	11.5	7.3	2.5	-2.9	4.8	0.8	3.1
17	15.9	17.1	28.6	19.8	8.3	11.8	7.5	2.6	-3.0	4.0	0.2	1.8
18	15.2	16.9	28.9	19.6	9.7	11.8	7.4	2.3	-3.2	3.3	-0.4	1.0
19	14.5	16.4	29.1	19.2	11.0	11.8	7.0	2.2	-3.4	2.5	0.6	0.8
20	13.7	16.0	29.2	18.8	12.1	11.6	6.8	2.0	-3.5	2.1	2.2	0.8
21	12.7	15.2	29.9	18.7	12.3	11.2	6.9	1.5	-3.55	2.4	3.1	0.6
22	11.6	14.4	30.5	18.4	11.9	10.5	6.7	1.0	-3.55	2.3	4.0	0.0
23	10.6	13.8	30.8	18.5	11.5	9.2	6.7	0.7	-3.5	1.6	5.1	-0.7
24	9.6	15.0	31.6	18.8	11.2	8.2	6.6	0.5	-3.4	0.9	6.0	-1.6
25	8.6	18.4	32.1	18.8	10.9	7.4	6.0	0.6	-3.3	0.3	6.5	-1.9
26	7.4	22.0	32.8	18.9	10.4	6.9	5.2	0.8	-2.7	-0.3	6.6	-2.2
27	6.0	24.0	33.3	19.3	10.1	6.7	4.8	0.6	-2.5	-0.4	6.6	-2.9
28	5.3	25.1	33.9	19.8	9.4	6.5	4.3	0.5	-2.3	-0.5	6.6	-3.3
29	5.3		34.2	20.3	8.9	6.1	4.2	0.2	-2.0	-0.8	6.7	-3.4
30	5.2		34.7	20.6	8.6	6.0	4.1	-0.4	-2.0	-1.3	6.6	-2.8
31	4.8		35.0		8.5		3.9	-1.0		-1.5		-1.9

8:00 a. m. readings

1954
MISSISSIPPI RIVER
MEMPHIS, TENN.

Zero of gage: 183.91 m. s. l. (184.21 m. g. l.) (Bankfull 34') 731.5 L miles A. H. P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau.

Automatic recording gage located at east end of Harahan Bridge.

Highest: 19.15 at 9:00 a. m. on 30 January.
Lowest: -3.09 on 19 September.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -3.57 on 21 November 1953.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.7	18.6	6.4	9.1	15.2	6.5	8.1	4.3	2.8	-0.8	10.8	0.0
2	-1.8	18.0	5.7	9.1	14.8	5.5	8.4	1.7	4.4	-0.9	9.4	-0.4
3	-1.5	17.2	6.1	9.2	14.8	5.1	8.3	-0.2	5.1	-1.3	7.4	-0.2
4	-1.7	15.5	6.8	9.1	14.3	4.8	7.9	-1.0	4.8	-1.5	5.9	0.5
5	-2.3	13.1	7.7	8.9	14.0	5.4	7.6	-1.0	4.0	-1.1	5.5	1.0
6	-2.5	10.5	8.3	8.8	13.8	6.9	7.6	-0.6	2.7	-0.8	5.4	1.1
7	-2.4	8.0	8.5	8.8	13.7	8.4	7.8	-0.5	2.0	-0.7	4.9	1.1
8	-2.4	5.9	8.3	9.2	13.7	9.4	8.0	-0.6	1.6	-1.0	4.3	1.6
9	-2.3	4.3	8.2	9.7	14.4	10.5	8.1	0.2	1.3	-0.4	3.6	2.7
10	-2.0	3.0	8.3	10.3	15.3	11.3	7.6	1.0	0.9	0.4	3.1	3.5
11	-1.8	2.0	8.9	10.8	16.0	11.7	6.8	1.5	0.2	1.2	3.0	3.3
12	-2.0	1.4	9.8	11.1	16.2	11.5	6.2	1.8	-0.5	2.1	2.5	2.8
13	-2.3	1.0	10.6	10.8	16.0	11.0	5.4	2.0	-1.4	2.7	1.7	2.5
14	-2.2	0.3	11.2	10.2	15.6	10.4	4.5	2.3	-2.0	2.6	1.3	2.0
15	-1.2	-0.3	11.2	9.3	15.2	9.6	4.3	2.1	-2.4	2.6	1.0	1.8
16	0.6	0.1	10.8	9.0	14.8	9.0	4.3	1.3	-2.5	3.5	0.8	2.0
17	0.6	0.5	9.9	8.6	14.6	8.7	4.1	0.9	-2.80	4.8	0.4	2.2
18	1.1	0.4	8.8	8.5	14.5	8.3	4.1	0.8	-3.06	5.9	-0.2	2.1
19	2.9	1.0	7.7	8.8	14.4	8.0	4.0	0.6	-3.09	7.0	-0.4	2.1
20	6.0	2.4	6.7	9.6	14.1	7.7	3.8	0.2	-3.00	7.5	-0.6	2.1
21	9.5	3.2	6.0	10.6	13.8	7.9	3.9	0.4	-2.9	7.6	-1.0	2.2
22	11.5	4.4	5.9	11.7	13.3	8.3	3.9	0.7	-2.6	7.7	-1.5	2.4
23	12.8	5.5	6.2	12.7	12.9	8.6	4.0	0.8	-1.1	8.0	-1.8	3.0
24	14.2	6.3	6.6	13.2	12.5	8.8	4.5	1.1	0.8	8.1	-1.7	3.6
25	15.4	7.0	6.8	13.5	12.0	8.7	4.8	1.2	2.0	8.9	-1.6	3.6
26	16.6	7.4	6.9	14.2	11.1	8.4	5.1	1.5	2.6	10.2	-1.4	3.7
27	18.0	7.3	6.7	15.1	10.3	7.7	5.3	1.7	2.0	11.5	-1.1	4.1
28	18.7	7.1	7.0	15.7	9.6	7.1	5.4	1.4	1.2	12.5	0.7	4.7
29	19.05		7.6	15.9	9.0	7.0	5.6	0.8	0.5	12.7	0.0	5.3
30	19.13		8.2	15.6	8.4	7.4	5.8	0.6	-0.3	12.4	0.3	5.7
31	18.94		8.8		7.4		5.6	1.3		11.8		6.4

8:00 a. m. readings

1953
MISSISSIPPI RIVER
MEMPHIS, TENN.

Zero of gage: 183.91 m. s. l. (184.21 m. g. l.) (Bankfull 34') 731.5 L.miles A. H. P.
Lat.: 35° 07' 37" - Long.: 90° 04' 25"
U. S. Weather Bureau Gage.

Automatic recording gage located at east end of Harahan Bridge.

Highest: 25.92 at 3:00 a. m. on 24 May.
Lowest: -3.57 on 21 November.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -3.57 on 21 November 1953.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.3	14.2	20.3	21.2	18.9	21.1	8.4	4.8	2.0	-1.9	-3.0	-3.4
2	0.9	14.3	20.4	20.8	18.6	20.3	8.5	4.4	2.0	-2.0	-2.9	-3.4
3	1.2	14.4	20.1	20.6	18.8	19.4	8.7	4.2	2.3	-2.3	-3.0	-3.2
4	1.4	14.4	19.8	20.8	19.4	18.2	8.9	4.3	1.8	-2.7	-3.1	-3.1
5	1.7	14.1	19.5	21.5	19.8	16.8	9.2	4.4	1.4	-2.8	-3.2	-3.1
6	2.0	13.7	20.4	22.5	19.5	15.5	9.6	4.4	0.9	-3.0	-3.2	-2.4
7	2.2	13.1	21.8	23.1	19.2	14.3	9.6	4.3	0.6	-3.0	-3.2	-2.3
8	2.6	12.6	23.0	23.4	19.4	13.4	9.8	4.2	0.4	-2.9	-3.2	-2.2
9	2.9	12.3	23.8	23.3	19.4	12.7	10.2	4.4	0.5	-2.7	-3.2	-2.1
10	3.3	12.0	24.4	22.8	19.0	12.2	10.4	4.6	0.4	-2.7	-3.2	-1.8
11	4.3	12.3	24.6	22.0	18.8	11.9	10.6	4.8	0.3	-2.7	-3.2	-1.9
12	5.1	12.4	24.6	21.3	19.0	12.0	10.8	4.9	-0.2	-2.8	-3.3	-1.8
13	5.9	11.9	24.2	20.6	19.2	11.9	10.9	5.5	-0.6	-2.8	-3.2	-1.1
14	7.3	12.0	23.6	19.8	19.4	11.9	10.5	5.0	-1.1	-2.9	-3.2	-0.4
15	9.4	13.0	23.0	19.3	19.6	11.9	10.0	6.0	-1.4	-3.2	-3.1	-0.7
16	11.4	14.6	22.0	18.9	19.8	11.7	9.4	6.0	-1.4	-3.2	-3.1	-1.0
17	12.9	16.0	21.6	18.4	20.5	11.6	8.6	6.0	-1.4	-3.3	-3.2	-0.4
18	13.8	16.6	21.7	18.2	21.2	12.0	7.8	5.9	-1.3	-3.2	-3.4	0.1
19	14.0	16.9	21.6	17.9	22.2	12.6	7.4	5.4	-1.1	-3.0	-3.47	-0.1
20	13.5	16.7	21.5	17.8	23.3	12.5	6.7	5.2	-1.1	-3.0	-3.47	-0.3
21	12.5	16.5	21.6	17.9	24.4	12.3	6.4	5.2	-1.6	-3.0	-3.57	-0.3
22	11.9	15.9	21.9	18.1	25.3	12.0	7.4	4.9	-1.8	-3.2	-3.3	-0.2
23	12.0	15.4	22.3	18.2	25.8	11.8	6.9	4.4	-1.9	-3.2	-3.3	-0.5
24	12.4	15.5	22.3	18.3	25.92	11.4	6.6	3.9	-1.7	-3.2	-3.4	-0.6
25	12.8	16.3	22.5	18.5	25.6	10.7	6.7	3.4	-1.7	-3.3	-3.2	-0.4
26	13.4	17.6	23.0	18.4	25.0	9.9	6.7	3.0	-1.7	-3.4	-2.8	-0.6
27	13.9	18.9	23.3	18.3	24.0	9.0	6.8	2.7	-1.7	-3.2	-2.8	-1.0
28	14.3	19.8	23.3	18.4	23.1	8.1	6.6	2.5	-1.8	-3.3	-3.1	-1.3
29	14.4		22.9	18.5	22.5	7.8	6.0	2.5	-1.8	-3.3	-3.4	-1.3
30	14.1		22.2	19.3	22.1	8.1	5.4	2.6	-2.0	-3.3	-3.4	-1.2
31	14.0		21.6		21.7		5.2	2.4		-3.2		-1.3

8:00 a. m. readings

ARMY, CE MEMPHIS (CLASS A)

1951
MISSISSIPPI RIVER
MEMPHIS, TENN.

ZERO OF GAGE: 183.91 M.S.L. (184.21 M.G.L.) (BANKFULL 34')
731.5 L. MILES A.H.P.
LAT. 35° 07' 37" - LONG. 90° 04' 25"
U. S. WEATHER BUREAU GAGE

AUTOMATIC RECORDING GAGE LOCATED AT EAST END OF HARAHAN BRIDGE.

HIGHEST: 35.35 AT 11:00 A.M. ON 3 MARCH
LOWEST: 5.00 ON 24 OCT.
PERIOD OF RECORD: 1869 TO DATE.
HIGHEST FOR PERIOD OF RECORD: 48.67 ON 10 FEB. 1937.
LOWEST FOR PERIOD OF RECORD: -2.7 ON 9 NOV. 1895.

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	7.6	25.0	34.9	28.6	32.9	15.5	21.9	28.1	11.8	10.6	10.3	21.1
2	7.2	24.0	35.2	29.3	32.2	15.3	22.7	27.2	12.7	9.7	10.2	21.0
3	7.7	23.1	35.2	30.1	31.4	15.3	23.6	26.0	13.3	9.1	9.7	20.8
4	8.2	22.6	35.3	31.1	30.3	15.2	24.6	24.1	13.7	8.7	9.5	20.9
5	8.6	22.6	35.2	32.0	29.2	15.0	25.2	21.7	13.4	8.5	9.4	20.6
6	10.3	23.1	35.0	32.6	28.2	14.9	25.7	18.8	12.4	8.2	9.4	20.4
7	12.9	23.9	34.9	33.3	27.4	14.9	26.2	15.8	11.4	7.7	9.8	20.8
8	15.6	24.5	34.8	33.7	27.1	14.5	26.6	13.3	11.0	7.1	9.8	21.3
9	18.2	25.3	34.6	33.7	27.1	15.1	27.0	11.6	10.7	6.5	9.6	21.9
10	20.2	26.4	34.4	33.6	27.2	15.9	27.3	10.4	11.2	6.3	9.4	22.2
11	21.6	27.3	34.1	33.3	27.4	17.2	27.5	9.5	11.7	6.5	9.4	23.0
12	22.2	28.1	33.8	33.0	27.6	17.9	27.6	9.1	12.1	6.9	9.6	24.0
13	22.7	28.7	33.3	32.7	27.7	18.2	27.8	8.9	13.1	7.6	9.8	24.7
14	23.7	29.1	32.8	32.5	27.5	18.4	27.9	8.8	13.5	8.2	10.0	25.6
15	24.7	29.1	32.2	32.4	27.0	18.7	27.8	8.9	13.7	8.4	10.3	26.6
16	25.9	29.0	31.7	32.3	26.2	19.0	27.8	9.3	14.3	8.0	11.4	27.0
17	27.7	28.7	31.2	32.2	25.6	19.2	27.8	9.5	14.6	7.5	13.3	27.6
18	28.7	28.5	31.1	32.2	25.1	19.2	27.9	9.3	14.8	7.3	15.7	28.3
19	29.2	28.5	30.7	32.3	24.7	19.1	28.1	8.8	14.8	7.0	17.8	28.7
20	29.6	28.6	30.2	32.4	24.2	18.9	28.3	8.3	14.9	6.6	19.2	28.8
21	29.8	28.9	30.0	32.4	23.8	18.7	28.5	8.1	15.0	6.3	19.8	28.8
22	29.7	29.3	30.0	32.7	23.2	18.7	28.7	8.4	15.1	5.5	19.9	28.4
23	29.4	30.2	30.2	32.8	22.6	18.9	28.7	9.2	15.0	5.4	19.6	28.2
24	29.0	31.3	30.5	32.8	21.8	19.2	28.8	10.1	14.7	5.0	19.4	27.9
25	28.5	32.2	30.3	32.9	20.9	19.2	28.8	10.8	14.3	5.3	19.0	27.7
26	28.0	33.1	29.9	33.1	20.0	19.2	28.8	10.9	13.4	6.2	18.8	27.6
27	27.6	33.9	29.4	33.3	19.1	19.5	28.8	10.3	12.9	7.3	18.9	27.5
28	27.3	34.5	29.0	33.4	18.2	20.2	28.9	9.5	12.8	8.5	19.4	27.5
29	27.1		28.4	33.4	17.5	20.6	28.9	9.0	12.3	9.1	20.2	27.6
30	26.4		28.4	33.3	16.8	21.1	28.9	9.4	11.4	9.4	20.8	27.7
31	25.7		28.4		16.2		28.6	10.7		9.8		27.9

8:00 A.M. READINGS

1952
MISSISSIPPI RIVER
MEMPHIS, TENN.

Zero of gage: 183.91 m.s.l. (184.21 m.g.l.)(bankfull 34') 731.5 L. miles A.H.P.
Lat. 35° 07' 37" - Long. 90° 04' 25"
U. S. Weather Bureau gage.

Automatic recording gage located at east end of Harahan bridge.

Highest: 37.10 on 1 April.
Lowest: -2.20 on 9 November.
Period of record: 1869 to date.
Highest for period of record: 48.67 on 10 February 1937.
Lowest for period of record: -2.7 on 9 November 1895.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.1	27.4	19.9	37.1	29.6	19.7	15.5	5.7	4.6	-0.4	-1.5	1.2
2	28.3	28.0	18.6	37.0	29.6	19.6	14.7	5.4	4.1	-0.5	-1.3	1.1
3	28.6	28.6	17.7	36.7	29.7	19.2	13.5	5.1	3.4	-0.4	-1.5	0.9
4	28.8	29.3	16.9	36.4	29.8	18.6	12.5	4.9	3.1	-0.4	-1.8	0.8
5	28.8	29.9	16.0	36.0	29.7	17.9	12.1	4.7	3.4	-0.5	-1.8	1.0
6	28.6	30.5	15.9	35.6	30.4	17.3	12.2	4.4	3.5	-0.6	-1.9	1.2
7	28.3	31.0	16.7	35.1	30.6	16.8	12.1	4.6	3.4	-0.9	-2.0	1.9
8	27.9	31.5	17.8	34.7	30.7	16.6	11.6	4.7	3.3	-0.8	-2.1	2.7
9	27.7	32.1	18.8	34.3	30.6	16.3	11.2	4.8	3.3	-0.7	-2.2	3.2
10	27.6	32.6	19.1	34.0	30.4	15.7	10.5	4.8	3.3	-1.0	-2.0	3.7
11	27.6	33.0	19.6	33.4	29.6	14.5	9.6	4.7	3.2	-1.2	-2.0	3.6
12	27.7	33.3	20.0	32.8	28.3	12.2	9.0	4.9	3.0	-1.4	-2.1	3.5
13	27.8	33.7	21.8	32.2	26.5	10.6	8.8	5.9	2.5	-1.6	-2.0	4.0
14	28.1	33.9	24.2	31.4	24.5	10.7	8.6	7.0	1.9	-1.5	-1.6	4.9
15	28.6	33.9	26.4	30.5	22.7	11.0	8.3	7.1	1.3	-1.3	-1.6	5.8
16	29.0	33.8	28.3	30.1	21.3	11.0	8.2	6.8	1.1	-1.3	-1.9	6.0
17	29.2	33.6	29.7	29.7	20.2	10.5	8.4	6.4	1.1	-0.8	-2.0	5.9
18	29.2	33.3	30.9	29.6	19.4	10.1	8.6	6.1	1.3	-0.7	-1.9	5.8
19	28.7	33.0	31.8	29.5	18.6	10.1	8.7	5.9	1.7	-0.8	-1.6	5.8
20	28.0	32.8	32.6	29.5	18.1	10.3	8.9	5.9	1.6	-1.0	-1.7	6.0
21	26.6	32.2	33.1	29.4	18.0	10.5	8.6	6.4	1.3	-1.2	-1.6	6.2
22	25.3	31.3	33.6	29.4	17.9	10.6	8.2	6.6	1.2	-1.3	-1.4	6.5
23	23.7	30.2	34.0	29.2	18.0	10.5	7.9	6.5	1.5	-1.3	-0.6	6.6
24	22.4	28.8	34.2	29.2	18.0	10.4	7.8	6.2	1.2	-1.3	0.0	5.4
25	21.9	27.2	34.4	29.2	17.8	10.6	7.8	5.8	0.6	-1.3	0.2	3.8
26	22.4	25.5	34.8	29.2	17.5	11.2	7.8	6.1	0.7	-1.4	0.9	2.7
27	23.5	23.8	35.2	29.3	17.4	11.8	7.3	6.8	0.7	-1.4	1.7	2.1
28	24.4	22.4	35.7	29.5	17.4	13.1	6.8	7.2	0.5	-1.5	2.2	2.0
29	25.2	21.2	36.2	29.5	17.8	14.7	6.4	7.2	0.2	-1.8	2.0	2.1
30	26.0		36.7	29.6	18.4	15.5	6.1	6.7	-0.2	-1.8	1.6	2.2
31	26.7		36.9		19.2		5.8	5.6		-1.8	.	2.1

8:00 a. m. readings.

1950
MISSISSIPPI RIVER
MEMPHIS, TENN.

ZERO OF GAGE: 183.91 M.S.L. (184.21 M.G.L.) (BANKFULL 34')
731.5 L. MILES A.H.P.
LAT. 35° 07' 37" - LONG. 90° 04' 25"
GAGE IN CHARGE OF U.S. WEATHER BUREAU.

AUTOMATIC RECORDING GAGE LOCATED AT EAST END OF HARAHAN BRIDGE.

HIGHEST: 40.45 ON 20-22 FEB.
LOWEST: 3.51 ON 6 NOV.
PERIOD OF RECORD: 1869 TO DATE.
HIGHEST FOR PERIOD OF RECORD: 48.67 ON 10 FEB. 1937.
LOWEST FOR PERIOD OF RECORD: -2.7 ON 9 NOV. 1895.

DAY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	20.4	39.8	39.2	25.0	18.0	18.3	23.9	16.8	7.6	15.0	4.2	19.2
2	20.2	40.0	38.7	24.9	19.3	18.2	22.8	16.7	8.3	15.3	4.2	18.5
3	20.0	39.9	38.0	25.0	20.7	18.6	21.1	16.7	10.8	15.0	4.0	17.9
4	19.3	39.7	37.1	25.4	21.9	19.1	19.2	16.8	13.8	14.1	3.8	16.9
5	20.0	39.5	36.2	26.0	22.9	19.5	18.8	16.8	15.5	12.2	3.59	16.1
6	21.9	39.3	35.2	27.0	23.7	20.0	16.6	16.4	16.6	9.4	3.51	15.8
7	24.9	39.2	34.0	27.9	24.5	20.4	15.4	15.7	17.6	7.4	3.84	16.0
8	27.3	39.0	33.0	28.7	25.0	21.1	14.2	14.8	18.1	7.0	4.8	17.0
9	28.7	39.0	31.5	29.4	25.0	21.7	12.9	13.6	17.9	6.8	5.9	18.8
10	29.9	38.8	29.7	30.0	25.1	22.0	12.3	11.8	17.5	6.9	6.5	20.8
11	31.0	38.5	27.9	30.5	25.1	21.9	12.2	10.4	17.4	7.5	7.4	22.2
12	31.7	38.4	26.3	30.8	25.3	21.5	12.2	9.1	17.6	8.5	8.8	23.1
13	32.6	38.8	25.5	31.1	25.5	20.9	12.3	8.6	17.5	9.1	9.9	23.8
14	33.6	39.1	24.6	31.5	25.9	20.3	12.5	8.3	16.8	9.0	11.4	24.3
15	34.4	39.2	24.4	31.3	26.3	19.6	12.6	8.4	15.9	8.9	12.7	24.6
16	35.4	39.6	24.9	31.2	26.6	19.3	12.5	8.6	14.8	8.8	13.6	24.9
17	36.4	39.9	25.6	31.0	27.1	19.2	11.8	9.0	13.5	8.4	13.9	25.1
18	37.4	40.2	26.2	30.6	27.4	18.9	10.9	9.8	12.3	7.6	13.8	25.3
19	38.1	40.42	26.6	30.0	27.5	18.4	11.4	10.5	11.6	7.3	13.4	25.5
20	38.5	40.45	27.2	29.1	27.2	17.9	12.4	11.2	11.1	7.4	13.0	25.7
21	38.8	40.45	27.6	27.7	26.5	17.7	13.0	12.6	10.4	7.3	12.2	25.7
22	39.0	40.45	28.0	26.0	25.7	17.7	13.0	13.4	9.1	7.1	11.3	25.6
23	39.3	40.26	28.3	24.1	24.7	17.7	13.4	13.1	8.0	6.3	11.6	25.1
24	39.4	40.1	28.3	21.9	23.8	18.2	15.0	12.4	7.8	5.3	13.0	24.0
25	39.4	39.8	27.8	20.0	23.2	19.4	16.6	11.2	8.4	4.7	15.0	22.3
26	39.4	39.7	26.8	18.4	22.7	21.1	17.7	10.7	8.9	4.9	17.1	20.0
27	39.5	39.5	25.7	17.6	22.2	22.6	18.4	9.6	9.9	5.0	18.5	17.3
28	39.3	39.3	24.8	17.2	21.4	23.8	18.6	8.8	11.5	4.8	19.3	15.4
29	39.3		24.3	17.1	20.4	24.4	18.3	8.0	13.0	4.4	19.5	12.0
30	39.3		24.6	17.3	19.6	24.4	17.8	7.2	14.3	4.2	19.4	10.0
31	39.6		24.9		18.7		17.3	7.2		4.4		8.5

8:00 A.M. READINGS

DAILY STAGES FOR 1949

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.6	33.5	33.7	29.3	16.5	12.7	14.6	10.0	3.8	2.8	9.5	2.2
2	21.8	34.1	33.9	30.0	16.2	13.1	15.5	8.2	4.3	2.4	8.4	2.7
3	20.9	34.6	33.9	30.5	16.0	13.1	16.0	7.4	4.7	2.1	7.9	3.2
4	20.0	35.0	33.7	31.0	15.8	13.1	15.8	7.1	4.7	1.7	8.5	4.1
5	19.3	35.2	33.5	31.5	16.1	12.9	15.3	7.1	4.5	1.4	9.1	4.5
6	18.7	35.1	33.2	31.8	16.6	12.3	14.9	7.1	4.5	2.3	9.1	4.2
7	19.4	35.1	32.7	32.1	17.1	11.3	14.3	7.0	4.3	2.7	8.9	4.1
8	21.1	35.0	31.9	32.0	17.1	11.4	13.2	6.8	4.3	3.8	8.9	4.1
9	22.9	34.9	31.1	31.7	16.7	12.5	11.8	6.4	4.1	5.4	9.0	4.2
10	24.3	34.6	30.1	31.0	16.1	13.4	10.6	6.2	3.5	6.3	9.0	4.3
11	25.4	34.3	28.5	30.1	15.3	13.5	9.6	6.2	2.9	6.8	8.7	4.3
12	26.4	33.9	27.4	29.0	14.8	13.2	8.9	5.8	2.7	7.0	8.2	4.5
13	27.1	33.5	26.9	28.2	14.6	12.3	9.2	5.1	2.5	6.8	6.6	4.7
14	27.7	33.1	29.9	26.5	14.3	11.6	10.3	4.5	2.5	6.4	4.8	5.7
15	28.2	32.6	27.1	25.1	13.7	11.7	11.7	4.4	2.5	6.7	4.2	8.7
16	28.6	32.1	27.2	24.1	13.0	11.5	12.7	4.6	3.3	7.3	4.1	12.2
17	29.2	31.6	27.3	23.6	12.4	11.6	13.6	5.2	5.3	7.6	3.9	14.8
18	29.5	31.2	27.4	23.4	11.7	12.8	14.2	6.0	7.1	7.6	3.4	16.6
19	29.7	31.0	27.2	23.3	10.8	15.0	14.7	6.4	8.4	7.4	2.8	17.8
20	29.6	31.0	26.9	23.1	10.2	17.3	15.1	6.8	8.9	7.3	2.7	18.7
21	29.5	31.1	26.7	22.8	9.7	19.1	15.4	7.0	8.8	7.1	2.6	19.6
22	29.5	31.2	26.5	22.6	9.4	20.2	15.5	7.4	8.5	7.2	2.5	20.2
23	29.3	31.5	26.1	22.5	9.3	20.2	15.6	7.2	7.9	7.0	2.4	20.4
24	28.9	31.7	25.7	22.3	9.1	19.6	15.9	6.8	7.2	6.9	2.5	20.6
25	28.7	32.1	25.4	21.9	9.2	18.4	16.0	6.7	6.5	8.3	2.4	20.9
26	28.8	32.5	25.1	21.0	9.6	17.0	15.6	6.7	5.6	10.6	2.3	21.4
27	29.7	33.0	25.1	19.9	10.2	15.6	14.9	6.4	4.5	12.5	2.2	22.1
28	30.7	33.4	25.4	18.8	10.9	14.7	14.1	5.6	3.7	13.0	2.1	22.2
29	31.5		26.4	17.8	11.8	13.9	13.3	4.8	3.3	12.4	2.1	21.9
30	32.1		27.4	17.1	12.6	13.9	12.4	4.2	3.0	11.6	2.2	21.4
31	32.8		28.4		12.7		11.5	3.7		10.6		20.9

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

MEAN	26.58	33.14	28.76	25.80	13.21	14.30	13.62	6.28	4.93	6.74	5.37	12.17
MAX.	32.8	35.2	33.9	32.1	17.1	20.2	16.0	10.0	8.9	13.0	9.5	22.2
MIN.	18.7	31.0	25.1	17.1	9.1	11.3	8.9	3.7	2.5	1.4	2.1	2.2

HIGHEST STAGE WAS 35.20 ON FEB 5.
LOWEST STAGE WAS 1.40 ON OCT 5.

DAILY STAGES FOR 1948

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.6	3.8	31.2	33.4	32.7	10.8	16.3	18.2	2.2	1.4	-0.1	13.3
2	2.6	3.4	31.1	34.0	32.4	9.4	16.2	18.0	2.4	0.8	0.0	14.1
3	2.5	2.6	30.9	34.7	31.8	8.5	15.8	17.3	2.4	0.0	-0.2	15.4
4	4.7	2.4	30.6	35.2	30.7	7.8	15.2	16.0	2.2	-0.4	-0.3	16.4
5	8.7	2.7	30.4	35.7	28.8	7.3	15.0	14.1	2.2	-0.6	0.4	17.2
6	11.3	3.1	30.5	36.1	26.0	7.0	14.9	12.5	1.9	-0.5	1.4	17.9
7	12.5	3.5	30.8	36.2	22.8	6.8	14.6	12.1	1.9	0.2	2.0	18.9
8	13.2	3.7	31.1	36.5	20.2	6.7	13.8	11.9	2.0	0.3	3.7	19.8
9	13.6	4.4	31.2	36.4	18.3	6.4	13.0	11.4	1.9	0.2	6.2	20.2
10	13.9	6.0	31.3	36.1	17.6	6.0	12.6	11.0	1.9	-0.2	8.0	20.2
11	13.9	7.4	31.3	35.7	17.5	5.7	11.8	10.6	2.0	-0.3	8.7	19.5
12	13.9	8.8	31.1	35.2	17.5	5.8	10.9	10.3	2.2	-0.3	9.0	18.4
13	13.9	10.4	30.8	34.8	17.9	6.1	10.1	9.7	2.0	-0.4	9.1	17.1
14	13.5	11.7	30.3	34.4	18.4	6.4	9.3	9.2	1.4	-0.1	9.2	15.6
15	12.9	13.9	29.3	34.0	18.9	6.4	8.5	8.6	1.1	0.7	8.7	14.2
16	12.2	16.6	27.6	33.6	19.2	6.3	7.8	7.9	1.3	0.9	7.8	13.3
17	11.5	19.6	25.1	33.4	19.5	6.4	7.1	6.9	1.4	0.6	7.1	12.4
18	10.6	22.4	22.5	33.2	19.8	6.8	6.6	6.0	1.3	0.0	6.8	11.9
19	9.7	24.6	21.2	33.1	20.7	7.2	7.0	5.9	0.9	-0.2	7.1	12.9
20	9.1	26.4	21.1	33.0	20.8	7.2	7.8	5.8	0.5	0.2	6.8	14.9
21	8.9	27.6	21.9	33.0	20.4	7.0	8.2	5.5	0.2	0.8	6.8	17.3
22	8.8	28.4	23.1	33.0	19.9	7.0	8.6	5.2	0.1	1.4	8.6	19.3
23	8.8	29.0	24.5	33.0	19.0	7.3	9.2	4.6	0.2	1.6	10.3	20.8
24	8.2	29.5	25.5	33.0	18.2	8.1	9.8	4.2	0.3	1.1	11.5	21.7
25	6.6	30.1	26.8	33.1	17.2	8.9	10.7	4.1	0.8	0.8	12.0	22.2
26	4.3	30.8	28.0	33.2	16.3	9.8	11.4	4.1	1.4	0.7	11.8	22.2
27	3.0	31.1	29.1	33.2	15.4	11.4	12.4	3.9	1.4	0.7	11.5	22.1
28	2.3	31.3	30.0	33.3	14.6	13.2	13.6	3.8	1.4	0.5	11.5	22.3
29	2.3	31.4	30.7	33.2	13.7	14.6	14.8	3.4	1.5	0.2	11.8	22.8
30	2.9		31.5	33.0	12.8	15.6	16.3	2.8	1.6	0.0	12.5	23.0
31	3.5		32.6		11.9		17.8	2.4		0.0		22.9

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

MEAN	8.59	16.09	28.49	34.19	20.35	8.13	11.84	8.63	1.47	0.33	6.99	18.07
MAX.	13.9	31.4	32.6	36.5	32.7	15.6	17.8	18.2	2.4	1.6	12.5	23.0
MIN.	2.3	2.4	21.1	33.0	11.9	5.7	6.6	2.4	0.1	-0.6	-0.3	11.9

HIGHEST STAGE WAS 36.50 ON APR 8.
LOWEST STAGE WAS -0.60 ON OCT 5.

DAILY STAGES FOR 1947

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.2	26.8	7.8	15.4	30.8	25.7	28.0	9.3	5.9	2.3	2.1	4.1
2	9.5	26.5	7.2	15.9	30.9	25.8	28.0	9.0	5.3	2.1	2.0	4.3
3	11.3	25.9	6.8	16.5	31.0	25.8	27.8	8.9	4.5	1.8	2.3	4.3
4	12.9	25.4	6.5	17.4	31.1	25.8	27.8	8.8	4.0	1.2	2.4	4.2
5	15.2	24.8	6.5	18.2	31.2	26.0	27.9	8.4	3.8	1.0	3.0	3.6
6	17.6	24.2	6.6	19.1	31.1	26.2	28.2	8.0	3.8	0.5	3.6	2.5
7	19.4	23.9	6.6	19.8	31.1	26.3	28.6	7.8	4.0	0.2	3.6	1.9
8	20.9	23.4	6.6	20.1	30.9	26.3	28.9	7.4	4.0	0.4	3.4	1.4
9	22.1	22.7	6.8	20.8	30.6	26.3	29.1	7.2	3.4	0.6	3.7	1.0
10	22.9	21.9	7.6	22.0	30.1	26.4	29.1	7.0	3.2	0.5	4.0	2.1
11	23.2	20.9	8.5	23.8	29.5	26.4	29.0	6.8	3.6	0.6	4.5	3.9
12	23.1	19.7	9.2	25.2	28.6	26.4	28.7	6.7	4.3	0.6	4.4	5.4
13	22.3	18.5	9.9	26.3	27.6	26.4	28.4	6.8	4.9	0.5	4.2	6.7
14	21.2	17.0	10.7	27.3	26.4	26.5	28.0	6.9	5.0	0.1	4.1	7.4
15	20.2	15.4	11.2	28.1	25.2	26.6	27.4	6.7	4.7	-0.1	4.3	7.6
16	19.2	13.6	11.5	28.8	23.8	27.1	26.7	5.8	3.5	0.1	3.9	7.4
17	17.8	11.8	11.7	29.4	22.5	27.7	25.7	5.1	2.6	0.6	3.9	6.7
18	17.0	9.7	12.0	29.9	21.1	28.2	24.5	5.1	2.6	0.6	4.1	6.5
19	16.8	7.6	13.4	30.5	19.9	28.7	23.0	5.4	2.9	0.2	4.7	6.6
20	17.7	7.1	15.1	30.9	18.9	29.3	21.0	5.1	2.9	-0.2	5.1	6.8
21	19.1	7.6	16.0	31.4	18.3	29.7	19.2	4.6	2.9	-0.5	5.2	6.8
22	20.8	7.8	16.4	31.8	17.9	30.0	17.9	4.9	3.1	-0.5	5.0	6.4
23	22.3	8.0	16.9	31.9	18.0	30.4	16.8	5.1	2.7	-0.2	4.9	6.0
24	23.8	8.9	17.4	32.0	18.9	30.2	15.8	5.0	2.1	0.4	4.5	5.7
25	24.7	9.8	17.4	32.1	20.4	30.0	14.8	5.0	1.9	0.8	4.3	5.7
26	25.3	10.0	17.1	31.9	21.6	29.6	13.9	4.9	2.0	0.7	4.4	5.6
27	25.7	9.8	16.6	31.5	22.6	29.1	12.9	4.8	2.9	0.6	4.3	4.8
28	26.1	8.8	16.2	31.2	23.6	28.9	12.0	4.9	3.6	0.4	4.2	3.5
29	26.3		15.6	30.9	24.5	28.6	10.9	5.2	3.4	0.9	4.0	2.4
30	26.6		15.3	30.9	25.1	28.2	9.8	5.6	2.8	1.6	4.0	2.0
31	26.8		15.2		25.6		9.4	5.9		2.0		2.2

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

MEAN	20.19	16.34	11.69	26.03	25.45	27.62	22.55	6.39	3.54	0.64	3.94	4.69
MAX.	26.8	26.8	17.4	32.1	31.2	30.4	29.1	9.3	5.9	2.3	5.2	7.6
MIN.	8.2	7.1	6.5	15.4	17.9	25.7	9.4	4.6	1.9	-0.5	2.0	1.0

HIGHEST STAGE WAS 32.10 ON APR 25.
LOWEST STAGE WAS -0.50 ON OCT 22.

DAILY STAGES FOR 1946

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.2	18.9	28.1	27.8	9.7	21.1	20.7	6.1	4.7	3.4	5.0	11.4
2	15.9	16.2	26.9	27.9	9.8	20.0	20.2	5.6	4.3	3.4	5.2	11.5
3	16.0	14.2	25.6	27.9	10.3	19.0	19.2	5.6	3.9	3.5	5.3	11.0
4	15.8	13.1	24.2	27.9	11.6	18.1	18.1	5.9	3.1	3.8	5.4	9.7
5	15.8	12.3	22.9	27.5	12.8	17.5	16.8	5.4	2.9	3.5	7.1	9.0
6	15.8	12.6	21.6	27.0	13.6	17.3	15.7	5.3	3.1	3.2	10.7	8.4
7	15.8	13.4	20.4	26.3	14.1	17.8	14.7	5.2	3.0	3.0	13.6	7.5
8	15.7	14.8	19.5	25.1	14.6	18.5	13.9	5.6	2.5	2.9	14.9	6.4
9	17.7	16.8	19.2	24.0	15.3	19.4	13.4	6.6	1.9	2.8	15.1	5.5
10	21.2	18.8	19.7	22.8	16.0	20.2	13.2	7.2	1.4	2.6	15.0	4.8
11	25.1	20.5	21.0	21.5	16.3	20.5	13.1	7.0	1.2	2.3	14.5	4.4
12	27.7	22.1	22.2	20.4	16.3	20.5	13.0	6.4	1.2	1.7	13.5	4.4
13	29.3	23.3	23.1	19.4	16.2	20.1	13.0	6.1	2.2	1.1	12.8	4.3
14	30.5	24.4	23.6	18.5	16.5	19.4	12.9	5.3	3.9	1.0	12.6	4.6
15	31.6	25.3	23.9	17.3	16.9	18.2	12.5	4.8	4.8	1.3	13.2	5.9
16	32.5	26.5	24.2	16.1	17.3	16.8	12.2	4.5	4.8	1.8	13.7	8.2
17	33.4	27.8	24.0	14.9	17.3	15.2	11.7	4.3	4.5	1.9	13.5	9.9
18	34.2	28.7	23.6	14.0	17.1	13.9	11.1	4.3	4.4	1.7	12.7	11.2
19	35.0	29.3	23.3	13.2	17.3	13.0	10.7	6.9	4.7	2.0	12.0	12.4
20	35.5	29.8	23.2	12.8	18.0	12.3	10.3	11.7	4.5	2.8	11.8	13.0
21	36.0	30.1	23.4	12.7	18.9	12.1	9.8	14.5	3.8	3.8	12.5	13.2
22	36.1	30.3	23.8	12.7	20.2	12.6	9.3	15.3	3.4	5.0	12.7	12.9
23	36.0	30.6	24.1	12.6	21.1	13.7	9.2	15.3	3.2	5.6	12.0	12.2
24	35.9	30.7	24.5	12.4	21.8	15.5	9.8	14.9	2.8	5.8	11.4	11.9
25	35.4	30.6	25.0	12.0	22.4	17.2	10.6	14.1	2.8	6.6	10.9	9.3
26	34.9	30.3	26.0	11.5	22.4	18.7	11.0	12.6	3.1	6.8	10.5	7.9
27	33.8	29.9	26.5	10.9	22.5	20.0	10.6	10.8	3.2	7.0	10.0	7.1
28	32.2	29.1	26.9	10.2	22.8	20.8	9.7	9.3	3.3	7.0	9.5	6.9
29	29.7		27.3	9.6	22.7	21.1	8.4	7.9	3.4	6.5	9.7	7.4
30	26.1		27.5	9.5	22.4	21.0	7.3	6.5	3.2	5.5	10.7	7.4
31	22.5		27.8		21.9		6.5	5.4		5.1		7.4

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

MEAN	27.04	23.23	23.97	18.21	17.29	17.72	12.54	7.95	3.31	3.69	11.25	8.62
MAX.	36.1	30.7	28.1	27.9	22.8	21.1	20.7	15.3	4.8	7.0	15.1	13.2
MIN.	15.2	12.3	19.2	9.5	9.7	12.1	6.5	4.3	1.2	1.0	5.0	4.3

HIGHEST STAGE WAS 36.10 ON JAN 22.
LOWEST STAGE WAS 1.00 ON OCT 14.

DAILY STAGES FOR 1945

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.6	9.4	29.0	38.7	31.2	28.9	30.4	9.4	6.5	15.4	7.2	17.5
2	15.0	8.1	29.8	38.9	30.8	28.4	29.6	9.2	3.8	16.5	6.9	17.0
3	17.2	6.9	30.3	39.0	30.3	27.6	28.1	9.4	4.8	17.6	7.2	16.4
4	19.3	6.3	30.9	39.1	29.7	26.6	26.1	9.6	4.1	18.8	6.5	15.7
5	21.2	6.1	31.3	39.2	29.1	25.5	24.3	9.9	3.6	19.3	5.6	14.6
6	22.4	5.8	31.7	39.2	28.6	24.5	23.0	10.4	3.5	19.4	5.5	13.6
7	23.6	5.3	32.3	39.2	27.9	23.5	22.2	10.5	3.9	19.2	5.9	12.8
8	24.3	5.0	32.8	39.2	27.0	22.4	21.6	10.2	4.0	18.9	6.2	12.4
9	24.6	4.6	33.5	39.0	25.6	21.6	21.1	10.0	4.1	18.4	6.5	12.7
10	24.6	4.3	34.3	38.8	24.6	21.4	20.2	10.3	3.9	17.5	7.2	13.6
11	24.6	4.6	35.2	38.4	23.8	21.9	18.8	10.6	3.9	16.3	7.8	14.5
12	24.4	5.0	36.1	37.9	23.2	23.3	17.5	10.0	3.9	15.2	8.3	14.9
13	24.0	5.5	36.7	37.3	23.4	24.6	16.6	9.2	4.6	14.5	9.1	14.8
14	23.7	5.7	37.2	36.6	23.8	25.6	16.1	9.5	5.0	14.0	9.5	14.8
15	23.1	6.2	37.4	35.8	24.0	26.5	15.5	9.7	5.1	13.5	9.5	14.9
16	22.3	7.6	37.6	35.0	24.1	27.3	14.6	9.9	5.2	13.0	9.9	14.8
17	21.3	9.4	37.7	34.4	23.8	28.0	13.9	9.9	5.3	12.3	10.7	14.1
18	20.2	11.3	37.7	33.8	23.8	28.9	13.3	9.9	5.7	11.3	11.3	14.1
19	19.2	12.7	37.7	33.4	24.1	29.3	12.8	9.7	5.8	9.7	12.1	15.0
20	18.1	15.0	38.0	33.2	24.7	29.7	12.4	9.3	6.0	8.0	12.5	15.2
21	17.4	17.9	38.2	33.0	25.3	30.0	12.2	9.2	6.2	7.1	12.4	14.9
22	16.7	20.5	38.2	32.8	26.0	30.2	12.1	9.4	6.2	6.7	12.3	14.1
23	16.2	22.4	38.3	32.7	26.6	30.3	11.9	9.3	5.9	6.3	12.2	12.9
24	15.9	24.1	38.4	32.6	27.2	30.5	11.2	8.8	6.0	6.2	12.6	11.6
25	15.7	25.3	38.5	32.5	27.8	30.6	10.6	8.3	6.4	6.5	13.5	10.2
26	15.3	26.3	38.8	32.4	28.5	30.8	10.4	7.6	6.9	6.8	14.8	8.8
27	14.7	27.2	38.9	32.2	29.0	30.8	10.3	7.4	8.3	6.7	16.0	8.6
28	13.8	28.2	38.8	32.2	29.3	30.8	10.6	7.5	10.7	6.4	16.7	9.2
29	12.7		38.7	32.0	29.5	30.8	10.7	7.6	12.6	6.5	17.1	10.3
30	11.7		38.6	31.7	29.5	30.7	10.5	7.3	13.8	7.0	17.6	11.7
31	10.6		38.8		29.3		10.0	6.7		7.3		13.6

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

MEAN	18.92	12.02	35.85	35.67	26.82	27.37	16.73	9.22	5.86	12.33	10.35	13.53
MAX.	24.6	28.2	38.9	39.2	31.2	30.8	30.4	10.6	13.8	19.4	17.6	17.5
MIN.	10.6	4.3	29.0	31.7	23.2	21.4	10.0	6.7	3.5	6.2	5.5	8.6

HIGHEST STAGE WAS 39.20 ON APR 8.
LOWEST STAGE WAS 3.50 ON SEP 6.

DAILY STAGES FOR 1944

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO =183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.5	3.0	20.0	29.4	36.4	19.9	18.5	8.3	6.8	4.8	3.8	4.7
2	3.7	3.3	21.3	29.7	36.7	20.4	18.7	7.9	7.6	5.1	2.8	5.1
3	3.8	3.6	22.9	30.1	36.8	20.9	18.8	7.8	9.1	5.1	2.5	5.4
4	4.1	4.1	24.2	30.4	37.0	21.4	18.6	8.0	10.9	6.1	2.4	5.5
5	4.6	4.9	25.2	30.8	37.1	21.8	18.1	8.1	12.2	7.4	2.3	5.5
6	4.9	5.3	25.6	31.1	37.0	22.1	17.5	7.9	12.7	8.4	2.2	5.5
7	5.7	5.5	26.2	31.2	36.8	22.0	16.9	7.0	11.9	8.9	2.1	5.8
8	7.3	5.5	26.6	31.4	36.6	21.7	16.5	6.1	11.2	9.1	2.3	5.5
9	8.4	6.5	27.0	31.6	36.5	21.3	16.2	5.5	11.0	9.2	2.5	4.9
10	8.9	5.7	27.3	31.6	36.4	20.6	15.9	5.3	10.3	9.4	2.5	4.5
11	8.9	4.7	27.6	31.3	36.4	19.7	15.6	5.6	9.4	9.6	2.9	4.4
12	8.9	4.4	27.8	30.4	36.3	18.8	15.3	5.9	8.4	9.3	3.5	4.9
13	9.0	5.0	27.8	29.0	36.1	18.0	15.1	6.1	7.2	8.8	3.8	6.6
14	9.1	7.0	27.8	28.1	35.7	17.4	14.8	6.7	6.7	8.2	3.8	8.0
15	9.2	8.6	27.7	28.0	35.2	16.8	14.4	6.5	6.5	7.5	3.7	8.7
16	8.6	9.1	27.6	28.6	34.6	16.1	14.1	6.0	5.9	6.9	3.6	8.7
17	6.4	9.1	27.3	29.4	33.9	15.9	13.8	5.5	5.2	6.0	3.4	8.1
18	4.4	9.5	26.7	30.2	33.2	16.0	13.0	5.4	4.5	5.5	3.1	7.5
19	3.6	8.4	26.1	31.0	32.2	16.1	12.3	5.1	3.9	5.4	3.0	6.9
20	3.6	9.0	25.5	31.7	31.0	16.2	11.9	4.9	3.4	4.8	2.9	6.3
21	3.7	9.9	25.0	32.5	29.3	16.2	11.4	5.3	3.2	4.1	2.9	5.1
22	3.8	11.6	25.1	33.2	27.1	16.3	10.9	5.7	3.2	3.6	3.5	4.1
23	3.8	13.4	25.8	34.0	24.9	16.4	10.7	5.8	3.0	2.9	3.8	4.0
24	3.7	14.5	26.7	34.6	22.8	16.3	10.4	5.8	2.6	2.5	4.0	4.2
25	3.8	15.3	27.5	35.0	21.2	16.1	10.1	5.6	2.5	3.1	4.4	4.8
26	4.0	16.2	28.2	35.2	20.2	16.3	9.9	6.0	2.8	3.8	4.7	5.7
27	4.0	17.2	28.8	35.6	19.5	16.9	9.8	6.4	3.2	4.2	4.9	5.7
28	3.8	18.2	29.0	35.8	19.2	17.4	9.8	6.2	3.6	4.6	5.1	6.4
29	3.4	19.2	29.3	36.0	19.1	17.8	9.3	5.7	3.9	5.2	5.3	7.1
30	3.1		29.2	36.1	19.2	18.1	9.1	5.8	4.1	5.3	4.9	8.1
31	3.0		29.2		19.5		8.8	6.4		4.9		9.6

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

MEAN	5.38	8.89	26.52	31.77	30.77	18.36	13.75	6.27	6.56	6.12	3.42	6.04
MAX.	9.2	19.2	29.3	36.1	37.1	22.1	18.8	8.3	12.7	9.6	5.3	9.6
MIN.	3.0	3.0	20.0	28.0	19.1	15.9	8.8	4.9	2.5	2.5	2.1	4.0

HIGHEST STAGE WAS 37.10 ON MAY 5.
LOWEST STAGE WAS 2.10 ON NOV 7.

DAILY STAGES FOR 1943

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.6	15.2	13.7	34.3	28.3	36.4	24.2	11.5	6.0	3.4	3.4	3.5
2	25.5	15.1	13.2	34.7	28.5	37.0	24.2	11.6	6.2	3.1	3.1	3.1
3	27.4	15.0	13.0	35.0	28.8	37.4	24.3	11.9	6.5	2.8	3.1	2.9
4	28.8	15.2	13.2	35.1	28.8	37.6	24.2	12.5	6.6	2.7	3.3	2.7
5	29.7	15.7	13.5	35.2	28.5	37.7	23.8	12.8	6.4	2.4	3.4	2.6
6	30.6	16.6	14.0	35.0	27.8	37.6	23.1	12.9	6.0	2.2	3.6	2.4
7	31.2	17.5	14.3	34.6	26.6	37.2	22.1	13.0	6.0	2.4	3.8	2.4
8	31.8	18.8	14.2	34.0	24.8	36.5	21.1	13.0	5.8	2.2	3.4	2.5
9	32.0	20.2	13.8	33.0	22.7	35.7	20.1	13.0	6.2	2.2	3.4	2.7
10	32.4	21.6	13.3	31.2	20.6	34.4	19.3	12.6	6.3	2.3	4.0	2.6
11	32.6	22.8	13.0	28.7	19.3	33.0	18.8	12.5	5.9	2.3	4.2	2.4
12	32.9	23.6	12.6	26.3	18.7	31.6	18.6	12.9	5.8	2.2	4.2	2.3
13	33.1	24.3	13.0	24.0	19.6	30.3	18.6	13.7	5.6	2.1	4.8	2.4
14	33.2	24.6	13.8	22.0	21.6	29.2	18.7	14.1	5.3	2.0	5.2	2.4
15	33.2	24.6	15.3	20.4	23.0	28.4	18.7	13.7	5.3	2.0	5.6	2.6
16	33.2	24.6	17.7	19.6	24.1	27.8	18.4	12.0	5.8	2.0	6.2	3.0
17	33.1	24.3	19.8	19.5	25.0	27.4	18.1	10.2	6.2	2.0	6.3	3.2
18	32.6	24.0	21.4	19.8	25.8	27.0	17.8	9.6	5.8	1.9	6.1	3.3
19	31.8	23.6	22.9	20.2	26.6	26.7	17.4	9.8	5.5	1.8	5.5	3.3
20	30.2	23.0	24.1	20.4	27.4	26.4	17.0	10.1	5.4	2.3	5.1	3.1
21	27.5	22.4	25.5	20.6	28.1	26.1	16.6	10.3	5.2	2.9	5.2	2.6
22	24.2	21.6	26.8	20.9	28.8	25.9	16.4	10.4	5.0	2.6	5.2	2.1
23	20.4	20.7	28.0	21.5	29.6	25.6	16.3	10.4	4.8	2.1	5.1	1.8
24	17.0	19.5	29.1	22.4	30.4	25.5	15.8	9.9	4.9	1.9	4.8	1.5
25	14.9	18.2	30.0	23.3	31.3	25.4	15.0	9.3	5.3	1.9	4.4	1.3
26	13.9	17.0	30.8	24.4	31.9	25.4	13.9	8.4	5.4	2.3	4.2	1.1
27	13.6	15.8	31.7	25.4	32.6	25.3	13.2	7.4	5.2	2.9	4.0	1.0
28	13.8	14.6	32.3	26.5	33.5	25.0	12.6	6.7	4.9	3.2	3.9	1.0
29	14.1		32.9	27.2	34.2	24.7	12.2	6.2	4.5	3.2	3.6	1.2
30	14.6		33.4	27.8	34.9	24.4	11.8	6.0	4.0	3.8	3.5	1.6
31	14.9		33.9		35.7		11.6	5.9		4.0		2.6

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

MEAN	26.03	20.00	20.78	26.77	27.34	30.29	18.19	10.78	5.59	2.49	4.39	2.36
MAX.	33.2	24.6	33.9	35.2	35.7	37.7	24.3	14.1	6.6	4.0	6.3	3.5
MIN.	13.6	14.6	12.6	19.5	18.7	24.4	11.6	5.9	4.0	1.8	3.1	1.0

HIGHEST STAGE WAS 37.70 ON JUN 5.
LOWEST STAGE WAS 1.00 ON DEC 28.

DAILY STAGES FOR 1942

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.6	11.0	23.3	29.2	14.3	18.7	24.8	9.5	12.4	8.7	5.7	18.3
2	15.2	10.6	23.3	28.3	12.0	19.6	25.2	8.5	12.6	8.7	6.2	18.4
3	15.4	10.7	22.8	27.3	10.6	19.9	25.4	7.8	12.5	9.0	6.6	18.2
4	15.6	11.3	21.8	26.0	9.8	19.6	25.6	7.7	11.9	9.2	7.2	17.7
5	15.6	11.6	20.4	24.8	9.6	19.1	25.6	7.8	10.2	9.6	7.9	17.0
6	15.6	11.7	18.5	23.5	9.8	18.0	25.5	8.0	8.5	9.9	8.7	16.6
7	15.4	11.6	16.8	22.1	10.1	16.1	25.2	8.7	7.6	10.3	9.1	16.2
8	14.7	11.4	15.6	20.8	10.3	13.9	24.8	9.4	7.0	10.4	9.3	16.1
9	13.8	12.2	15.0	20.3	10.5	12.4	24.2	9.9	6.9	10.0	9.4	16.1
10	12.7	14.3	14.4	20.1	11.2	12.0	23.4	10.8	7.0	9.5	9.9	16.5
11	11.5	16.8	14.6	20.9	12.2	12.1	22.5	12.0	7.2	9.4	10.2	17.2
12	10.3	19.0	15.4	22.7	13.3	12.6	21.9	12.8	7.3	9.4	10.6	17.7
13	9.1	20.8	16.3	24.5	14.3	13.3	21.6	13.2	7.9	9.7	10.8	17.8
14	8.0	21.8	17.2	26.3	14.8	14.1	21.2	13.4	9.0	9.8	10.9	17.4
15	6.8	22.1	17.8	27.6	14.8	14.6	20.9	13.5	10.0	9.5	11.1	16.7
16	5.3	22.1	18.9	28.6	14.5	15.6	20.6	13.5	10.5	8.8	11.4	15.9
17	3.5	22.0	20.8	29.3	14.2	16.4	20.1	13.6	10.7	8.1	11.6	14.9
18	2.2	21.8	22.7	29.7	14.1	17.3	19.6	13.5	10.5	7.6	11.6	13.8
19	2.1	21.8	24.3	29.8	14.9	18.0	19.1	13.4	9.9	7.4	11.5	12.7
20	2.9	22.0	25.4	29.7	16.1	18.6	18.8	13.1	9.2	7.6	11.4	11.7
21	3.8	22.6	26.5	29.4	17.0	19.1	18.5	12.5	8.6	7.8	11.5	10.8
22	4.4	23.1	27.4	29.0	17.5	19.4	17.8	11.3	8.6	7.9	11.5	10.2
23	5.1	23.5	28.2	28.5	18.0	19.6	16.1	9.9	9.0	8.1	11.5	10.0
24	5.9	23.8	28.8	27.8	18.5	20.1	14.2	9.4	9.2	8.2	11.6	10.2
25	6.6	23.6	29.3	26.9	18.9	20.9	13.1	9.9	9.4	8.0	12.1	10.3
26	7.3	23.4	29.8	25.6	19.0	21.8	12.6	11.2	9.5	7.8	13.0	10.4
27	8.7	23.3	30.1	23.8	18.9	22.6	12.3	11.7	9.7	7.6	14.2	10.7
28	9.6	23.3	30.2	21.7	18.6	23.2	12.0	11.6	9.5	7.4	15.6	11.7
29	9.7		30.1	19.4	18.1	23.8	11.7	11.6	9.0	6.9	17.0	12.5
30	10.0		30.1	17.0	17.8	24.2	11.2	11.8	8.8	5.9	17.7	14.5
31	10.8		29.8		17.9		10.4	12.0		5.6		18.6

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

MEAN	9.43	18.33	22.76	25.35	14.57	17.89	19.55	11.06	9.34	8.51	10.89	14.74
MAX.	15.6	23.8	30.2	29.8	19.0	24.2	25.6	13.6	12.6	10.4	17.7	18.6
MIN.	2.1	10.6	14.4	17.0	9.6	12.0	10.4	7.7	6.9	5.6	5.7	10.0

HIGHEST STAGE WAS 30.20 ON MAR 28.
LOWEST STAGE WAS 2.10 ON JAN 19.

DAILY STAGES FOR 1941

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.8	12.3	4.8	9.7	19.3	3.0	9.5	4.4	3.1	7.1	15.5	10.8
2	6.8	13.4	4.8	9.8	18.2	2.9	8.8	4.1	3.5	6.8	15.6	10.7
3	6.6	14.3	4.8	10.2	17.1	2.8	8.3	3.7	3.5	6.3	15.9	10.4
4	7.4	14.5	4.5	10.5	15.9	3.0	8.1	4.0	3.2	5.6	16.6	9.9
5	8.0	14.4	4.0	10.3	14.6	3.5	7.7	4.5	3.1	5.2	17.6	9.2
6	8.6	14.0	3.6	10.2	13.4	4.2	8.2	4.5	3.0	5.2	18.5	8.5
7	9.8	13.5	3.4	10.1	12.7	5.4	9.4	3.7	2.7	5.7	19.1	8.0
8	11.9	12.8	3.3	10.3	11.9	6.8	10.5	2.9	3.1	6.4	19.4	7.6
9	13.2	11.9	3.4	10.9	11.2	8.1	11.6	2.6	4.0	8.3	19.7	7.2
10	14.0	11.0	3.6	12.0	10.7	9.4	12.4	2.2	4.7	11.4	20.1	7.0
11	14.2	10.2	3.9	13.5	10.2	10.5	12.5	1.4	5.1	14.0	20.4	6.8
12	13.8	8.9	4.6	15.0	9.8	11.4	12.5	1.0	4.9	15.5	20.8	6.4
13	13.2	7.6	5.1	16.1	9.6	12.2	12.6	0.8	4.6	16.1	21.0	6.3
14	12.5	6.5	6.0	16.6	9.5	13.8	12.8	0.5	4.6	16.4	20.8	6.3
15	11.7	5.7	7.0	17.0	9.2	15.6	13.1	0.3	4.7	16.4	20.0	6.2
16	10.7	5.4	7.8	17.1	8.7	17.4	13.4	0.3	5.4	16.4	19.0	5.9
17	9.7	4.8	8.5	17.2	8.2	19.0	13.6	0.7	7.0	16.6	17.6	5.4
18	8.2	4.5	9.2	17.2	7.8	19.9	13.6	0.7	8.2	17.3	16.0	5.7
19	6.2	5.0	10.0	16.8	6.9	20.0	13.3	1.2	8.2	17.5	14.6	6.2
20	4.9	5.6	10.9	16.6	6.6	19.8	11.7	2.2	8.0	17.4	13.5	6.6
21	4.7	5.8	11.7	16.3	6.7	19.3	9.6	2.4	7.7	17.0	12.6	6.8
22	5.4	6.1	12.3	16.4	7.2	18.8	9.1	3.0	7.4	16.3	11.6	6.8
23	6.2	6.8	12.5	17.2	7.5	18.6	9.1	3.1	7.2	15.4	10.9	6.6
24	7.1	7.6	12.4	18.2	7.5	18.4	9.0	2.6	7.2	14.6	10.2	6.0
25	8.3	8.0	12.1	19.0	7.0	18.0	8.9	2.4	7.5	13.8	9.8	5.8
26	8.8	7.8	11.6	19.8	6.0	17.4	9.0	2.2	7.9	13.3	9.6	6.4
27	9.2	6.6	11.0	20.3	4.9	16.4	9.3	1.7	8.1	13.5	9.9	7.1
28	9.8	5.3	10.1	20.6	4.4	15.2	9.5	1.2	8.0	13.9	10.4	8.0
29	10.5		9.4	20.6	4.2	13.3	8.4	0.9	7.6	14.3	10.8	9.9
30	11.0		9.2	20.1	3.8	11.1	6.1	1.1	7.3	14.7	10.8	11.9
31	11.5		9.5		3.4		4.9	1.8		15.1		13.4

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

MEAN	9.41	8.94	7.58	15.19	9.49	12.51	10.21	2.20	5.68	12.69	15.61	7.74
MAX.	14.2	14.5	12.5	20.6	19.3	20.0	13.6	4.5	8.2	17.5	21.0	13.4
MIN.	4.7	4.5	3.3	9.7	3.4	2.8	4.9	0.3	2.7	5.2	9.6	5.4

HIGHEST STAGE WAS 21.00 ON NOV 13.
LOWEST STAGE WAS 0.30 ON AUG 16.

DAILY STAGES FOR 1940

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.7	-0.2	19.3	13.1	30.3	10.4	12.3	3.9	5.6	1.3	-0.5	3.3
2	1.7	0.2	18.2	13.2	30.6	10.5	12.7	3.6	5.9	1.7	-0.8	3.8
3	1.2	0.2	17.1	13.6	30.9	10.8	12.7	3.2	6.3	2.0	-0.9	4.5
4	1.4	1.1	16.1	14.3	31.2	11.3	12.4	3.0	7.1	1.9	-0.5	5.1
5	1.1	1.6	15.3	14.8	31.4	11.8	11.9	3.0	7.9	1.2	0.0	5.4
6	0.5	2.0	15.1	15.3	31.6	12.1	11.8	2.9	9.0	0.8	0.6	5.3
7	0.1	2.4	15.4	16.5	31.7	12.4	11.9	2.8	9.9	0.6	1.5	5.4
8	-0.6	1.9	16.5	18.0	31.6	12.8	12.0	2.9	9.9	0.1	2.1	5.7
9	-1.0	1.6	18.2	19.4	31.4	13.1	11.9	3.4	9.3	-0.3	2.4	5.6
10	-0.5	2.2	20.0	20.6	30.6	13.4	11.4	3.9	8.6	-0.1	2.3	4.9
11	0.3	2.1	21.3	21.6	29.0	13.6	10.8	4.2	7.5	-0.2	2.3	3.7
12	0.8	1.8	22.1	22.4	26.4	13.7	10.3	4.4	6.2	-0.4	1.6	3.2
13	1.0	1.9	22.5	22.4	23.3	13.4	10.2	4.3	5.2	-0.3	1.3	3.3
14	1.3	2.6	22.6	22.5	20.0	13.0	10.3	3.7	4.8	-0.4	1.5	3.3
15	1.2	4.7	22.7	22.4	17.2	12.4	10.2	3.2	4.3	-0.4	1.8	3.6
16	0.7	6.7	23.1	22.0	15.0	12.2	9.1	2.9	3.6	-0.5	2.0	4.6
17	0.6	8.4	23.4	21.6	13.4	12.6	7.7	2.8	3.1	-0.5	1.7	5.3
18	1.3	10.3	23.6	21.4	11.8	13.0	7.2	2.7	3.2	-0.6	1.6	5.4
19	1.6	11.9	23.5	21.4	10.4	13.1	7.3	3.4	2.9	-0.6	1.7	5.6
20	2.4	13.3	22.8	21.5	9.5	12.9	7.6	5.0	2.4	-0.6	2.0	6.0
21	3.0	14.9	21.8	21.9	8.8	12.7	7.9	6.6	1.9	-0.6	2.0	6.4
22	3.6	16.5	20.5	23.0	8.3	12.6	8.1	7.8	1.4	-0.7	2.0	7.2
23	3.7	17.8	19.2	24.7	8.1	12.5	8.0	9.0	1.0	-0.7	1.8	7.6
24	3.4	19.1	18.0	26.2	8.1	12.4	7.4	10.2	0.9	-0.6	1.6	7.6
25	3.2	20.0	17.0	27.3	8.0	12.3	6.6	10.8	1.2	-0.8	1.5	7.9
26	2.8	20.4	16.1	28.1	8.1	12.0	5.7	10.3	0.8	-1.0	1.3	8.4
27	2.2	20.6	15.1	28.6	8.4	11.6	4.9	8.6	0.6	-1.1	1.7	8.9
28	0.3	20.5	14.2	29.0	9.0	11.2	4.4	7.1	0.8	-1.0	2.3	9.2
29	-1.0	20.1	13.5	29.4	9.4	11.1	4.0	6.3	1.1	-0.9	2.6	9.1
30	-0.4		13.2	29.8	9.7	11.6	4.0	5.9	1.3	-1.0	2.9	8.9
31	-0.2		13.1		10.1		4.1	5.6		-0.8		8.7

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

MEAN	1.24	8.50	18.73	21.53	18.82	12.28	8.93	5.08	4.46	-0.15	1.45	5.90
MAX.	3.7	20.6	23.6	29.8	31.7	13.7	12.7	10.8	9.9	2.0	2.9	9.2
MIN.	-1.0	-0.2	13.1	13.1	8.0	10.4	4.0	2.7	0.6	-1.1	-0.9	3.2

HIGHEST STAGE WAS 31.70 ON MAY 7.
LOWEST STAGE WAS -1.10 ON OCT 27.

DAILY STAGES FOR 1939

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.1	12.3	37.8	32.6	37.0	11.4	19.9	10.0	6.1	0.6	1.1	0.6
2	7.2	14.7	37.7	30.5	37.0	11.4	19.5	10.0	5.4	0.5	1.8	0.5
3	8.3	17.9	37.4	28.8	36.8	11.7	19.3	10.0	4.9	0.4	2.2	0.3
4	9.0	20.7	37.2	27.7	36.6	11.9	18.9	9.8	4.4	0.3	2.3	0.2
5	9.6	22.9	37.0	27.2	36.2	11.7	18.0	9.4	3.8	0.6	2.5	0.2
6	8.5	24.7	36.7	27.2	35.7	11.7	17.2	9.3	3.5	0.8	2.6	0.2
7	7.1	26.1	36.4	27.0	34.8	12.0	16.4	9.5	3.3	0.4	2.1	0.3
8	7.2	27.2	36.1	27.2	33.4	12.3	15.8	9.8	3.1	0.1	1.4	0.4
9	8.4	28.3	35.9	27.6	31.1	12.6	15.3	9.6	2.9	-0.3	0.9	0.5
10	9.5	29.3	35.9	28.2	27.9	12.8	15.1	8.6	2.5	-0.4	0.7	0.5
11	10.1	30.1	35.9	29.1	24.6	12.9	15.0	7.6	2.1	-0.4	0.7	0.5
12	10.5	30.7	35.9	29.7	21.7	12.9	14.7	7.2	1.9	-0.4	0.6	0.8
13	11.0	31.2	35.8	30.1	19.5	13.0	14.6	6.9	1.9	-0.4	0.5	1.4
14	11.0	31.7	35.8	30.2	18.2	13.2	15.1	7.2	1.8	-0.2	0.3	1.6
15	10.9	32.6	35.8	30.3	17.6	13.3	15.6	7.2	1.6	0.0	0.2	1.5
16	10.9	33.1	35.9	30.5	16.9	13.7	15.8	7.3	1.6	0.3	0.1	1.3
17	11.4	33.8	36.0	30.9	15.9	13.7	15.5	8.4	1.4	0.4	0.2	1.3
18	12.8	34.3	36.3	31.2	15.2	13.8	14.7	9.2	1.5	0.1	0.6	1.4
19	14.3	34.8	36.5	31.5	14.6	14.0	12.6	9.6	1.3	-0.2	0.6	1.6
20	15.1	35.5	36.9	31.8	14.0	13.9	10.4	9.1	1.3	-0.3	0.6	1.7
21	15.4	36.0	37.2	32.2	13.3	13.4	9.2	8.0	1.7	-0.4	0.6	1.7
22	15.6	36.3	37.5	32.7	13.2	14.0	8.9	8.1	1.9	-0.4	0.7	1.7
23	15.5	36.5	37.6	33.2	12.9	15.4	8.6	9.5	1.8	-0.4	0.7	1.8
24	15.3	36.8	37.7	33.8	12.6	16.8	8.6	10.3	1.6	-0.5	0.7	2.0
25	14.6	37.1	37.6	34.4	12.6	18.0	8.7	10.1	1.5	-0.6	0.7	1.9
26	13.7	37.4	37.4	35.0	12.3	18.9	9.0	9.2	1.3	-0.6	0.7	2.4
27	12.7	37.5	37.2	35.8	12.1	19.6	9.3	8.0	1.0	-0.6	0.8	3.1
28	11.8	37.8	36.7	36.4	11.7	20.0	9.6	7.4	0.9	-0.6	0.8	3.2
29	11.3		36.2	36.8	11.7	20.2	9.7	7.3	0.8	-0.5	0.8	3.2
30	11.6		35.6	37.0	11.6	20.1	9.9	7.2	0.8	-0.1	0.7	3.4
31	11.5		34.3		11.5		10.1	6.8		0.4		3.3

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

MEAN	11.22	30.26	36.58	31.22	21.30	14.34	13.58	8.63	2.32	-0.08	0.97	1.44
MAX.	15.6	37.8	37.8	37.0	37.0	20.2	19.9	10.3	6.1	0.8	2.6	3.4
MIN.	6.1	12.3	34.3	27.0	11.5	11.4	8.6	6.8	0.8	-0.6	0.1	0.2

HIGHEST STAGE WAS 37.80 ON MAR 1.
LOWEST STAGE WAS -0.60 ON OCT 28.

DAILY STAGES FOR 1938

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.3	20.5	25.1	29.6	26.6	27.8	19.0	17.9	8.1	12.1	2.8	10.5
2	19.5	21.4	24.7	29.9	25.1	28.6	19.0	18.1	7.7	12.3	2.8	8.8
3	19.2	22.1	24.4	30.3	23.6	29.0	18.8	18.6	7.5	12.2	3.1	7.1
4	18.6	22.4	23.9	30.8	21.9	29.2	18.5	19.2	7.4	12.1	3.1	6.4
5	17.7	22.6	23.5	31.3	20.3	29.3	18.2	19.3	7.4	12.3	2.8	5.0
6	16.8	23.0	23.2	31.8	18.8	29.0	18.0	19.2	7.6	12.2	2.5	5.8
7	15.9	23.1	22.4	32.0	17.6	28.6	17.9	19.1	7.3	12.0	2.5	5.7
8	15.2	22.8	21.8	32.3	16.5	28.0	17.9	19.1	6.9	11.7	2.5	5.6
9	14.5	22.2	21.2	32.4	15.3	27.1	17.9	19.3	6.1	11.1	2.5	6.0
10	14.0	21.1	21.3	32.0	14.0	26.2	17.8	19.4	5.7	10.5	2.8	6.8
11	13.5	19.8	21.4	31.6	13.3	24.9	17.7	19.6	5.4	9.8	3.5	7.0
12	13.0	18.4	22.0	31.2	13.2	23.4	17.8	19.7	5.1	9.1	4.0	7.1
13	12.6	17.1	22.7	31.2	13.7	22.0	18.0	19.7	4.9	8.5	4.8	7.2
14	12.2	16.1	23.7	31.3	14.3	21.3	18.0	19.5	5.3	7.7	5.4	7.0
15	11.7	15.8	24.7	31.3	14.3	21.4	17.8	19.2	6.6	6.6	5.5	6.9
16	11.0	15.9	25.8	31.8	14.0	21.9	17.5	18.5	7.8	5.6	5.7	6.9
17	9.9	16.4	26.8	32.2	13.7	22.4	17.4	17.6	8.4	5.0	6.3	6.9
18	7.9	17.7	27.6	32.4	13.6	22.3	17.4	16.5	9.0	4.7	6.6	6.7
19	6.5	19.3	28.4	32.7	13.6	22.2	17.5	15.5	9.8	4.4	6.6	6.5
20	6.2	20.6	28.9	32.8	13.8	21.5	17.6	14.5	10.4	4.3	6.4	6.3
21	6.4	22.2	29.2	32.9	14.0	20.7	18.0	13.7	10.9	4.1	6.8	5.8
22	7.4	23.5	29.4	33.0	14.0	20.3	18.7	12.9	11.3	4.0	7.8	5.4
23	7.4	24.4	29.4	32.7	14.0	20.0	19.5	11.4	11.7	3.8	8.7	4.9
24	7.9	25.2	29.3	32.3	14.9	19.9	20.1	10.0	11.5	3.7	10.2	4.5
25	9.6	25.6	29.1	31.8	15.6	19.6	20.1	9.6	11.4	3.7	11.4	4.2
26	11.8	25.8	29.0	31.3	16.8	19.2	19.5	9.4	11.7	3.6	11.9	3.7
27	13.9	25.7	29.0	30.6	18.7	18.9	18.6	9.2	11.7	3.4	12.1	3.2
28	15.7	25.5	29.0	29.9	21.1	18.6	18.1	9.2	11.5	3.2	12.2	3.3
29	17.1		29.2	29.0	23.5	18.5	18.2	8.9	11.5	3.1	12.0	3.7
30	18.2		29.3	27.9	25.4	18.7	18.3	8.5	11.8	2.9	11.5	4.3
31	19.6		29.5		26.9		18.1	8.4		2.8		5.2

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

MEAN	13.23	21.29	25.96	31.41	17.49	23.35	18.29	15.51	8.65	7.18	6.23	5.95
MAX.	19.6	25.8	29.5	33.0	26.9	29.3	20.1	19.7	11.8	12.3	12.2	10.5
MIN.	6.2	15.8	21.2	27.9	13.2	18.5	17.4	8.4	4.9	2.8	2.5	3.2

HIGHEST STAGE WAS 33.00 ON APR 22.
LOWEST STAGE WAS 2.50 ON NOV 9.

DAILY STAGES FOR 1937

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.7	46.2	34.7	20.0	22.6	17.3	16.3	9.2	8.3	2.4	8.8	3.3
2	11.1	46.7	33.5	20.2	23.0	16.8	16.9	9.0	8.6	2.3	8.8	3.5
3	12.6	47.1	32.2	20.0	23.9	16.3	17.6	8.8	8.7	2.6	8.9	4.0
4	14.1	47.5	30.6	19.8	25.3	15.8	18.1	8.3	8.7	2.2	9.0	4.7
5	15.7	47.8	29.1	19.4	27.0	15.6	18.5	7.9	8.7	2.3	9.2	5.3
6	18.1	48.0	27.4	18.7	28.4	15.5	18.4	7.5	7.6	2.5	9.8	5.4
7	20.6	48.2	25.8	18.0	29.6	15.6	17.9	7.4	5.9	2.9	10.9	5.2
8	22.6	48.4	24.2	17.5	30.6	15.9	17.4	7.2	5.7	3.6	12.0	4.8
9	24.3	48.6	22.7	17.1	31.4	16.3	16.1	7.1	6.5	4.2	12.9	4.4
10	25.8	48.7	21.4	16.6	32.2	16.8	14.4	7.1	6.9	4.2	13.3	4.1
11	27.2	48.5	20.7	16.1	32.9	17.2	13.2	7.2	7.2	4.4	13.3	3.6
12	28.3	48.4	20.6	15.7	33.5	16.7	12.8	7.8	7.1	4.8	12.3	2.9
13	29.0	48.1	20.9	15.5	34.2	16.2	12.5	8.5	7.3	5.1	11.0	2.8
14	29.7	47.8	21.4	15.6	34.7	16.7	11.9	8.3	7.4	5.0	8.5	3.0
15	30.3	47.3	21.8	15.7	34.8	17.7	11.3	8.2	7.3	4.2	5.5	2.3
16	30.8	46.8	22.1	16.0	34.7	18.5	10.8	8.1	7.3	3.7	4.4	1.2
17	31.3	46.0	22.2	16.2	34.2	18.7	10.9	8.0	7.2	3.1	4.4	0.7
18	32.3	45.2	22.1	16.4	33.4	18.5	10.9	8.0	6.1	3.0	4.5	1.2
19	33.0	44.4	22.0	16.6	32.3	18.2	11.3	8.1	5.0	3.4	4.7	2.6
20	33.7	43.5	21.7	16.7	31.1	18.0	11.8	8.1	4.5	3.6	5.0	4.6
21	34.7	42.7	21.4	16.8	29.8	17.9	12.6	8.2	4.1	4.2	5.1	7.1
22	36.3	41.7	21.1	16.8	28.3	17.9	13.2	7.5	4.0	5.0	5.0	9.1
23	38.0	40.8	20.9	16.8	26.6	17.9	13.7	6.6	4.0	5.5	4.7	10.8
24	39.5	39.9	21.0	17.3	24.7	18.0	13.7	6.4	4.1	6.3	4.6	12.4
25	41.4	39.0	21.1	18.2	22.8	18.0	13.5	6.3	3.5	6.9	4.7	13.9
26	42.7	38.0	21.2	19.1	21.3	17.7	13.2	6.4	3.0	7.3	4.7	15.2
27	43.7	37.0	21.0	20.1	20.0	17.2	12.8	6.3	2.5	7.8	4.4	16.3
28	44.3	35.9	20.6	21.1	19.1	16.8	12.5	6.3	2.5	8.6	4.0	17.4
29	44.6		20.2	21.8	18.5	16.4	11.8	6.9	2.5	8.8	3.9	17.9
30	44.9		19.9	22.3	18.1	16.1	10.4	7.7	2.5	8.8	3.7	18.5
31	45.6		19.9		17.8		9.4	8.1		8.8		18.9

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

MEAN	30.19	44.94	23.40	17.94	27.64	17.07	13.74	7.63	5.82	4.76	7.40	7.33
MAX.	45.6	48.7	34.7	22.3	34.8	18.7	18.5	9.2	8.7	8.8	13.3	18.9
MIN.	9.7	35.9	19.9	15.5	17.8	15.5	9.4	6.3	2.5	2.2	3.7	0.7

HIGHEST STAGE WAS 48.70 ON FEB 10.
LOWEST STAGE WAS 0.70 ON DEC 17.

DAILY STAGES FOR 1936

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.5	15.5	22.1	31.6	24.6	10.4	5.1	2.6	1.1	4.2	4.6	4.0
2	8.0	14.7	22.5	32.2	21.7	10.0	5.0	3.1	1.2	4.1	4.9	4.0
3	6.8	13.6	23.5	32.8	19.7	9.4	5.6	3.2	2.1	4.7	5.2	4.0
4	5.7	12.3	24.6	33.3	18.3	9.3	5.6	2.5	2.7	6.4	5.9	3.8
5	4.8	10.8	25.4	34.0	17.3	9.1	5.7	1.9	2.9	8.3	6.2	3.3
6	4.7	9.6	25.7	35.0	16.6	9.2	5.4	1.5	2.9	8.6	7.5	3.1
7	5.1	8.7	25.8	35.6	16.2	9.3	4.8	1.8	2.8	8.3	9.6	3.5
8	6.3	8.6	25.9	36.3	16.0	9.1	5.1	1.6	3.0	7.9	12.2	3.6
9	8.0	9.3	26.1	37.1	16.2	9.1	6.0	1.5	2.5	7.3	14.6	4.0
10	10.2	10.7	26.2	37.6	16.6	9.0	7.4	1.8	2.2	6.6	16.0	4.6
11	13.3	11.9	26.4	38.1	16.8	8.9	8.5	1.7	2.2	6.4	16.6	5.9
12	16.8	12.8	26.5	38.4	16.9	8.5	8.7	1.5	2.5	6.5	16.9	8.1
13	19.6	13.7	26.5	38.6	16.6	7.9	7.9	1.5	2.8	6.5	16.9	9.6
14	21.5	14.7	26.4	38.8	16.1	7.6	6.8	1.9	2.3	6.9	16.8	10.5
15	22.8	15.4	26.3	38.9	15.5	7.7	5.9	1.7	1.8	7.1	16.7	11.4
16	23.6	16.1	26.0	39.1	14.8	8.1	5.5	1.2	1.6	7.1	16.6	11.9
17	24.3	16.9	25.2	39.1	14.0	7.9	5.0	0.9	1.4	7.2	16.3	12.1
18	24.8	16.7	24.3	39.2	13.1	7.6	4.5	0.8	1.3	7.1	15.9	12.1
19	25.1	16.3	23.5	39.2	12.6	7.6	3.8	1.1	1.4	6.9	15.3	11.9
20	25.0	15.5	23.2	39.3	12.6	7.4	3.6	1.3	1.9	7.0	14.3	11.4
21	24.7	14.6	23.3	39.3	12.9	7.1	3.9	1.2	2.0	7.3	12.9	10.6
22	23.9	13.9	23.9	39.3	12.8	6.7	4.0	0.9	1.9	7.8	10.6	9.7
23	22.7	13.5	24.8	39.2	12.6	6.5	4.0	0.5	2.1	8.1	8.2	8.8
24	21.1	13.5	26.0	38.9	12.5	6.3	4.3	0.1	2.8	8.0	6.8	8.4
25	19.6	13.9	27.0	38.4	12.2	6.5	4.4	0.0	3.3	7.8	6.2	7.5
26	18.2	14.5	27.7	37.7	12.0	6.5	4.1	0.0	3.8	7.4	5.8	6.6
27	17.3	16.0	28.5	36.7	12.0	6.3	3.7	0.1	4.3	6.8	5.4	6.4
28	16.6	18.9	29.2	35.0	11.8	6.0	3.5	0.3	4.6	6.1	5.0	7.4
29	16.2	21.2	29.9	32.1	11.6	5.7	3.7	0.4	4.6	5.6	4.7	8.2
30	15.9		30.4	28.3	11.2	5.4	3.4	0.7	4.4	5.0	4.3	8.5
31	15.8		31.0		10.7		2.7	1.2		4.4		9.2

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

MEAN	16.06	13.92	25.93	36.64	14.98	7.87	5.08	1.31	2.55	6.75	10.63	7.55
MAX.	25.1	21.2	31.0	39.3	24.6	10.4	8.7	3.2	4.6	8.6	16.9	12.1
MIN.	4.7	8.6	22.1	28.3	10.7	5.4	2.7	0.0	1.1	4.1	4.3	3.1

HIGHEST STAGE WAS 39.30 ON APR 22.
LOWEST STAGE WAS 0.00 ON AUG 26.

DAILY STAGES FOR 1935

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.7	29.0	17.8	36.4	23.2	33.5	30.5	17.4	9.3	3.8	3.9	7.8
2	10.0	28.8	17.6	36.0	21.4	33.4	30.5	17.1	9.1	3.7	4.0	7.7
3	10.4	28.3	17.9	35.6	20.1	33.2	30.4	16.8	9.0	3.5	4.0	8.0
4	11.0	27.5	18.3	35.4	18.6	32.9	30.1	16.5	8.6	3.4	4.3	8.6
5	11.5	26.3	19.3	35.1	17.5	32.3	29.6	16.3	7.7	3.4	4.5	9.0
6	12.1	24.9	19.7	35.3	17.6	31.4	29.0	16.1	7.0	3.4	4.2	9.1
7	12.7	23.0	20.2	35.4	18.8	30.6	28.2	15.7	7.3	3.2	3.9	9.4
8	13.0	20.9	20.2	35.5	20.8	30.1	27.3	15.0	8.1	2.9	3.9	9.6
9	12.8	18.5	20.3	35.6	23.0	29.8	26.4	14.1	8.8	2.7	4.4	9.2
10	12.4	16.4	20.5	35.6	24.7	29.5	25.6	13.3	9.5	3.1	4.5	8.7
11	12.0	14.7	21.0	35.7	25.9	29.6	25.0	13.0	10.7	3.2	5.6	8.6
12	11.7	13.6	22.2	35.8	26.8	29.7	24.4	12.8	12.1	2.9	7.2	8.7
13	11.1	13.1	24.2	35.9	27.4	30.0	23.8	12.5	13.4	2.7	8.6	9.0
14	10.5	13.0	26.9	36.0	27.9	30.2	23.2	12.7	14.2	2.6	10.0	9.3
15	11.0	13.2	28.7	36.1	28.4	30.4	22.5	13.2	14.2	2.5	10.8	10.1
16	12.1	13.8	29.9	36.1	28.8	30.6	21.8	14.0	13.8	2.4	11.9	10.8
17	12.8	14.5	31.0	36.0	29.1	30.6	21.0	15.1	12.8	2.4	13.3	11.4
18	13.5	15.2	31.8	36.0	29.4	30.6	20.1	16.0	11.6	2.4	14.1	12.0
19	14.4	16.0	32.4	36.1	29.8	30.6	18.6	16.6	9.7	2.5	14.4	12.6
20	16.3	16.9	33.2	36.0	30.4	30.1	16.6	16.9	7.7	2.4	14.9	13.0
21	19.2	17.8	34.0	36.0	30.8	29.6	15.2	17.0	6.8	2.1	15.3	13.4
22	22.2	18.8	35.0	35.8	31.2	29.2	14.2	17.0	6.0	2.0	15.6	13.9
23	24.0	19.5	35.7	35.4	31.4	28.8	13.7	16.8	5.5	3.5	15.6	14.4
24	26.0	19.8	36.3	34.8	31.7	28.7	13.4	16.6	5.2	3.3	15.3	14.8
25	27.1	19.8	36.6	34.1	32.0	28.8	13.5	16.5	4.9	3.3	14.8	15.0
26	28.0	19.6	36.9	32.9	32.3	29.0	14.0	16.3	4.8	3.2	14.2	14.7
27	28.6	19.0	37.1	31.4	32.6	29.2	14.4	15.8	5.0	3.2	13.0	14.2
28	28.8	18.4	37.2	29.4	32.8	29.6	14.6	14.8	4.8	3.5	11.2	13.7
29	29.1		37.0	27.3	33.2	30.0	15.2	13.2	4.5	3.4	9.4	13.0
30	29.1		36.9	25.2	33.4	30.3	16.2	11.2	4.1	3.3	8.2	12.1
31	29.1		36.7		33.5		17.2	9.7		3.6		11.0

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

MEAN	17.17	19.30	28.15	34.60	27.24	30.41	21.49	15.03	8.54	3.02	9.50	11.06
MAX.	29.1	29.0	37.2	36.4	33.5	33.5	30.5	17.4	14.2	3.8	15.6	15.0
MIN.	9.7	13.0	17.6	25.2	17.5	28.7	13.4	9.7	4.1	2.0	3.9	7.7

HIGHEST STAGE WAS 37.20 ON MAR 28.
LOWEST STAGE WAS 2.00 ON OCT 22.

DAILY STAGES FOR 1934

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.7	5.3	5.4	24.7	15.7	4.3	4.8	2.2	4.8	2.7	3.1	12.6
2	13.6	5.6	8.1	25.6	15.1	4.1	4.6	2.6	4.5	3.1	3.4	13.2
3	12.4	5.7	9.7	26.4	14.4	4.1	4.8	2.8	4.4	4.2	3.3	13.4
4	11.4	5.7	10.8	27.0	13.5	3.8	4.6	3.4	4.2	5.0	3.7	13.3
5	10.8	5.9	12.1	27.4	12.6	3.4	4.6	4.5	3.5	5.6	3.6	13.1
6	10.1	6.1	13.9	27.6	11.5	3.2	4.4	5.0	2.9	7.0	3.6	13.5
7	9.8	5.9	16.1	27.7	10.0	2.9	3.9	4.5	2.5	8.3	4.0	14.4
8	9.4	5.4	18.4	27.5	9.1	2.5	3.7	4.0	2.3	8.7	4.4	15.1
9	9.0	5.2	20.2	26.7	8.7	2.8	3.8	4.0	1.9	8.2	5.1	15.3
10	8.7	5.0	21.9	25.4	8.4	3.6	4.0	4.0	1.5	7.4	5.5	15.4
11	9.5	5.0	23.3	23.5	8.0	3.9	3.9	3.8	1.6	6.2	5.9	15.6
12	11.8	5.0	24.7	21.3	7.4	4.3	4.0	3.2	1.6	5.1	6.7	15.9
13	14.2	4.9	25.9	19.3	6.9	4.9	3.9	2.3	1.6	4.8	6.9	15.7
14	16.1	4.8	26.9	17.6	6.5	5.7	3.3	2.3	1.8	4.5	7.0	14.7
15	17.8	4.9	27.5	16.4	6.4	6.0	3.0	3.1	2.6	4.3	6.8	12.9
16	18.9	4.9	28.2	15.7	6.3	6.1	3.4	3.7	3.1	4.1	6.2	10.9
17	19.4	4.5	28.7	15.4	6.1	6.3	4.1	4.4	3.3	4.3	5.5	9.5
18	19.1	3.9	29.1	15.3	6.1	6.4	4.8	5.0	3.3	4.6	5.0	8.2
19	18.3	3.4	29.2	15.5	6.4	6.3	5.3	5.5	3.8	4.6	4.5	7.7
20	17.1	2.9	29.0	15.5	6.6	6.1	5.5	5.7	4.9	4.3	3.9	7.1
21	15.8	2.4	28.2	15.5	6.5	6.8	5.5	5.5	5.8	4.0	4.8	6.7
22	14.4	2.4	26.5	15.3	6.3	8.0	5.3	5.4	6.3	3.7	5.6	6.7
23	13.0	2.3	24.0	15.2	6.3	8.6	4.9	6.0	6.4	3.2	5.5	6.9
24	11.6	2.3	21.3	15.2	6.3	8.5	4.5	7.0	6.2	2.8	6.6	7.0
25	10.1	2.5	19.2	15.2	6.4	7.9	4.5	7.9	5.9	2.6	8.5	7.0
26	8.1	2.6	18.1	15.2	6.5	7.3	4.8	8.5	5.3	2.2	9.1	6.8
27	6.0	2.7	18.3	15.4	6.2	7.0	5.1	9.1	4.4	1.9	9.4	6.9
28	5.4	3.3	19.0	15.5	5.6	7.0	4.6	8.3	3.5	2.0	9.9	7.4
29	5.3		20.6	15.7	4.9	6.6	3.9	6.4	3.1	2.2	10.5	8.2
30	5.3		22.2	15.8	4.6	5.6	3.2	5.4	3.0	2.4	11.6	8.8
31	5.2		23.6		4.5		2.5	5.2		2.6		9.0

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

MEAN	12.01	4.30	20.97	19.85	8.06	5.47	4.30	4.86	3.67	4.41	5.99	10.93
MAX.	19.4	6.1	29.2	27.7	15.7	8.6	5.5	9.1	6.4	8.7	11.6	15.9
MIN.	5.2	2.3	5.4	15.2	4.5	2.5	2.5	2.2	1.5	1.9	3.1	6.7

HIGHEST STAGE WAS 29.20 ON MAR 19.
LOWEST STAGE WAS 1.50 ON SEP 10.

DAILY STAGES FOR 1933

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.6	29.6	29.4	34.0	33.2	38.5	10.9	11.5	5.5	7.1	3.4	3.9
2	24.8	29.8	29.9	34.8	32.8	38.3	10.7	11.3	5.6	7.1	3.3	3.8
3	26.8	30.0	30.2	35.6	32.2	38.0	10.2	11.1	5.3	6.9	3.2	3.4
4	27.9	30.1	30.4	36.1	31.3	37.6	10.1	11.0	5.3	6.7	3.0	3.0
5	28.8	30.0	30.5	36.6	30.2	37.0	10.6	11.0	5.6	6.2	2.8	3.0
6	29.4	30.0	30.2	37.4	28.7	36.2	11.8	10.8	6.3	5.9	2.9	3.6
7	30.0	29.7	29.6	38.0	27.0	35.1	12.9	10.5	6.9	6.0	3.0	3.5
8	30.4	29.4	28.2	38.5	25.8	33.6	13.6	10.1	7.8	6.4	3.0	3.3
9	30.8	28.7	26.2	38.8	25.2	31.7	13.4	9.9	8.8	6.3	3.7	3.6
10	31.1	27.8	23.8	38.9	25.0	29.4	12.7	9.8	9.2	5.8	4.9	4.2
11	31.3	26.7	21.6	39.0	25.0	26.9	12.0	9.8	9.1	5.1	5.4	5.3
12	31.4	25.3	20.0	38.8	25.5	24.6	11.7	9.7	8.7	4.8	4.9	6.2
13	31.2	24.1	19.1	38.5	26.6	22.3	11.5	9.1	8.1	4.4	4.3	6.6
14	30.9	23.1	18.8	38.0	27.8	20.2	11.2	8.4	7.4	4.0	3.6	6.5
15	30.3	22.1	18.6	37.7	28.8	18.5	10.7	8.0	6.7	3.9	3.4	6.2
16	29.3	21.2	18.1	37.1	29.7	17.2	10.6	8.0	6.3	3.8	3.1	6.0
17	27.9	20.6	17.7	36.6	30.5	16.2	10.3	8.4	6.0	3.5	2.9	5.8
18	26.5	20.7	17.6	36.2	31.4	15.6	9.8	8.9	6.0	3.2	2.7	5.8
19	24.6	21.3	18.0	35.5	32.2	15.3	9.6	9.4	6.3	3.3	2.4	6.2
20	22.7	22.5	18.8	35.0	33.2	15.0	9.6	9.5	6.6	3.4	2.8	8.4
21	20.9	23.6	20.3	34.7	34.2	14.5	9.7	8.9	6.5	3.3	2.8	10.8
22	19.8	24.8	22.5	34.5	35.2	13.5	9.5	7.6	6.0	2.9	2.7	11.8
23	19.1	25.7	24.7	34.4	36.2	12.8	8.8	6.9	5.7	2.5	2.6	13.0
24	19.5	26.4	26.4	34.3	37.1	12.5	8.5	6.5	5.6	2.2	2.4	14.5
25	21.5	27.1	27.8	34.2	37.8	12.3	8.2	6.0	5.4	2.6	2.4	15.7
26	23.7	27.8	28.9	34.2	38.2	11.9	8.0	5.4	5.3	3.7	2.9	16.5
27	25.5	28.4	29.9	33.9	38.5	11.6	8.3	5.3	5.4	4.4	3.2	16.8
28	27.0	28.9	30.6	33.9	38.6	11.4	8.9	5.0	5.9	4.7	3.2	16.8
29	28.0		31.3	33.7	38.7	11.0	9.6	4.9	5.9	4.7	3.4	16.6
30	28.7		32.0	33.5	38.6	10.8	10.4	4.7	6.3	4.1	3.8	16.2
31	29.2		33.0		38.6		11.1	5.1		3.6		15.6

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

MEAN	26.83	26.26	25.29	36.08	32.06	22.32	10.48	8.47	6.52	4.60	3.27	8.47
MAX.	31.4	30.1	33.0	39.0	38.7	38.5	13.6	11.5	9.2	7.1	5.4	16.8
MIN.	19.1	20.6	17.6	33.5	25.0	10.8	8.0	4.7	5.3	2.2	2.4	3.0

HIGHEST STAGE WAS 39.00 ON APR 11.
LOWEST STAGE WAS 2.20 ON OCT 24.

DAILY STAGES FOR 1932

MISSISSIPPI RIVER AT MEMPHIS, TENN.

NATIONAL WEATHER SERVICE BUREAU GAGE

GAGE ZERO = 183.91 NGVD.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27.3	34.2	31.9	24.2	20.6	9.9	14.2	7.2	7.3	4.6	6.4	11.5
2	26.7	34.4	30.1	25.2	21.5	10.1	15.8	6.8	6.7	5.5	6.5	11.8
3	26.2	34.7	28.1	26.1	22.4	9.9	16.3	6.8	6.3	6.0	6.5	11.8
4	25.5	35.0	26.0	27.2	23.4	9.5	17.0	7.0	6.0	5.9	7.2	10.7
5	24.9	35.4	23.6	28.2	24.4	9.5	17.8	7.1	6.0	5.3	7.8	9.2
6	25.0	35.8	21.3	29.1	25.1	9.9	18.7	7.9	7.1	4.7	8.2	8.3
7	25.0	36.1	19.6	29.9	25.2	10.4	19.3	8.8	7.6	4.8	8.2	7.8
8	25.2	36.4	18.4	30.7	24.9	10.8	19.7	8.9	7.0	5.2	7.9	6.9
9	25.5	36.8	18.0	31.2	24.0	11.3	19.8	9.5	6.5	5.1	7.4	6.2
10	26.2	37.0	18.0	31.5	22.9	11.4	20.3	10.3	6.3	4.8	7.1	6.3
11	27.0	37.1	18.0	31.8	21.8	11.6	21.5	9.4	6.2	4.8	7.1	6.4
12	27.9	37.4	18.1	31.9	20.7	12.1	23.2	8.0	5.6	4.3	6.9	6.8
13	28.8	37.6	18.3	31.8	19.8	12.5	24.7	7.7	5.4	3.9	6.6	7.4
14	29.1	37.7	18.5	31.7	19.0	12.6	25.8	7.6	4.8	3.8	6.6	8.0
15	29.7	37.9	18.5	31.4	18.4	12.2	26.3	7.6	4.3	3.8	6.9	9.2
16	30.5	38.1	18.2	30.9	18.0	11.7	26.2	8.0	4.1	3.3	7.3	10.0
17	31.0	38.4	17.8	30.0	17.6	11.2	25.6	8.6	3.7	3.3	7.5	11.2
18	31.6	38.6	17.1	28.9	17.1	10.8	24.4	9.1	3.4	3.0	7.9	12.1
19	32.0	38.7	16.3	27.7	16.5	11.0	22.9	9.7	3.1	2.8	8.5	12.6
20	32.4	38.6	16.2	26.5	16.1	11.5	21.0	10.2	3.2	3.5	8.9	12.9
21	32.8	38.6	15.4	25.2	16.0	11.6	18.7	11.0	3.2	6.2	9.1	13.0
22	32.9	38.4	15.2	23.9	16.5	11.8	15.8	11.7	3.1	9.0	9.0	13.0
23	33.3	38.1	15.4	22.6	17.1	12.0	12.8	12.2	4.1	10.0	8.8	12.7
24	33.5	37.7	15.8	21.5	17.4	12.1	11.2	12.6	4.8	10.1	9.4	12.6
25	33.5	37.3	16.5	20.6	17.5	12.3	10.3	12.6	4.1	9.7	9.6	12.6
26	33.4	36.6	17.4	20.0	17.2	12.4	9.7	12.3	3.6	9.2	9.9	12.9
27	33.4	35.8	18.5	19.5	16.7	12.6	9.0	11.8	3.6	8.3	10.3	14.1
28	33.3	34.8	20.0	19.2	15.9	12.8	8.3	11.0	3.6	7.2	10.8	15.0
29	33.5	33.4	21.0	19.2	14.6	13.2	8.2	10.2	3.4	6.4	11.1	16.0
30	33.9		22.0	19.7	12.6	13.9	8.1	8.9	3.8	5.9	11.2	18.1
31	34.1		23.2		10.4		7.6	8.0		5.9		20.6

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

MEAN	29.84	36.78	19.75	26.58	19.07	11.49	17.43	9.31	4.93	5.69	8.22	11.22
MAX.	34.1	38.7	31.9	31.9	25.2	13.9	26.3	12.6	7.6	10.1	11.2	20.6
MIN.	24.9	33.4	15.2	19.2	10.4	9.5	7.6	6.8	3.1	2.8	6.4	6.2

HIGHEST STAGE WAS 38.70 ON FEB 19.
LOWEST STAGE WAS 2.80 ON OCT 19.

Mississippi River.—Memphis, Tenn., 1931.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	2.0	3.0	11.5	9.1	18.4	12.4	5.9	7.9	6.7	3.0	2.7	16.9
2	1.8	2.8	12.1	10.9	19.6	11.9	6.4	6.9	7.4	4.0	2.4	17.8
3	1.6	2.8	12.4	13.6	20.2	11.6	6.4	5.4	7.8	5.2	1.9	18.8
4	1.5	3.0	12.0	15.9	20.1	11.4	6.3	4.4	7.4	6.4	2.0	19.9
5	1.6	3.2	10.9	18.4	19.6	11.3	5.9	3.9	6.5	6.4	1.9	20.4
6	2.0	2.9	10.5	19.6	18.8	11.2	5.6	3.8	6.4	6.0	1.8	20.4
7	2.1	2.7	10.7	20.4	17.8	11.0	5.9	4.0	7.2	5.6	1.6	20.0
8	2.3	2.6	11.1	20.8	16.7	10.6	6.2	4.5	8.1	5.1	1.5	19.2
9	2.5	2.5	10.9	21.3	15.8	10.1	6.1	4.7	8.8	4.8	1.5	18.6
10	2.7	2.6	11.1	22.0	14.9	9.3	5.8	4.4	9.1	4.3	1.4	17.8
11	3.5	3.3	11.9	22.5	14.1	7.9	6.0	4.3	9.1	3.6	1.3	17.0
12	3.8	4.0	12.6	23.2	13.1	7.5	6.2	4.2	8.9	3.3	1.2	16.2
13	4.1	4.7	13.1	23.7	12.2	8.0	6.2	4.2	8.2	3.2	1.2	16.1
14	5.0	5.3	13.1	24.2	11.3	9.0	6.0	4.0	7.4	3.1	1.1	16.3
15	5.6	5.9	12.6	24.4	10.6	9.8	5.7	4.1	6.0	3.0	1.1	16.3
16	5.4	6.7	12.4	24.3	10.3	10.3	5.4	4.3	5.3	2.9	1.0	17.3
17	5.4	7.4	11.9	23.5	10.2	10.6	5.2	4.4	4.2	3.2	**0.8**	19.3
18	4.9	8.3	11.5	22.7	10.4	11.2	5.5	4.7	3.4	3.6	1.0	22.0
19	4.6	9.4	11.0	21.9	10.9	12.0	5.0	5.0	2.9	4.4	1.5	24.2
20	4.3	9.9	10.4	20.6	11.6	12.3	4.6	5.1	2.6	5.4	2.2	26.0
21	4.1	10.1	10.0	19.5	11.8	12.1	4.5	4.7	2.1	6.6	3.0	27.3
22	3.8	10.3	9.6	18.1	11.9	11.1	4.5	4.0	1.9	7.3	4.0	28.3
23	3.6	10.6	9.3	16.9	12.0	9.4	4.6	3.8	2.3	7.5	5.7	28.8
24	3.5	11.0	9.0	15.9	12.2	7.8	5.6	4.3	3.0	7.3	8.0	**29.3**
25	3.3	11.4	8.9	15.1	13.2	7.2	6.1	5.0	3.5	6.7	10.5	**29.3**
26	3.0	11.4	8.9	14.4	14.7	6.7	6.5	5.5	3.4	5.9	12.3	29.0
27	3.2	11.4	9.0	13.8	15.3	6.5	7.4	5.8	2.7	4.8	13.6	28.6
28	3.5	11.4	9.0	13.8	15.1	6.3	8.1	5.8	2.3	4.3	14.4	28.3
29	3.5		8.9	15.5	14.5	6.1	8.4	5.8	2.1	3.7	15.1	28.0
30	3.3		8.6	16.7	13.7	5.7	8.4	5.8	2.2	3.2	16.1	27.8
31	3.2		8.4		13.0		8.3	6.1		3.0		27.8

Mississippi River.—Mhoon Landing, Miss., 1931.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—1.2	0.6	12.3	8.6	19.2	14.0	4.7	7.9	5.5	0.4	0.9	18.4
2	—1.4	0.3	12.8	10.3	21.4	13.4	5.3	7.3	6.4	1.5	0.4	19.4
3	—1.7	0.0	13.3	12.5	22.4	12.8	5.6	5.9	7.2	3.7	—0.3	20.7
4	—2.0	0.0	13.2	15.0	22.7	12.4	5.5	3.9	7.1	4.9	—0.7	22.0
5	—2.0	0.2	12.8	19.0	22.4	12.2	5.3	2.6	6.6	5.5	—0.8	22.9
6	—1.7	0.4	11.6	21.0	21.5	12.1	4.7	2.1	6.2	5.4	—0.7	23.2
7	—1.3	0.3	10.7	22.3	20.7	11.9	4.8	2.1	6.3	4.9	—0.9	22.9
8	—1.0	—0.2	10.7	23.0	19.4	11.5	5.0	2.6	7.1	4.3	—1.1	22.6
9	—0.9	—0.3	11.3	23.6	18.6	11.0	4.8	3.4	8.3	3.9	—1.1	21.7
10	—0.6	—0.5	11.8	24.3	16.9	9.0	4.6	3.2	9.1	3.4	—1.2	20.7
11	—0.2	—0.3	12.6	25.2	15.7	8.1	4.7	2.8	9.3	2.4	—1.4	19.7
12	0.9	0.5	13.5	25.7	14.5	7.6	5.1	2.6	9.2	1.7	—1.6	18.9
13	1.5	1.8	14.2	26.2	13.6	7.3	5.3	2.6	8.7	1.3	—1.7	18.4
14	2.0	2.6	14.6	26.9	13.0	8.5	5.2	2.4	7.8	1.3	—1.8	18.5
15	3.5	3.7	14.7	27.3	11.5	9.6	4.9	2.2	6.0	1.1	—2.0	18.5
16	3.8	4.6	14.3	27.4	10.5	10.4	4.5	2.4	4.7	0.9	**—2.15**	19.1
17	3.6	5.8	13.6	27.1	10.0	11.1	4.2	2.6	3.7	1.0	—2.0	21.1
18	3.4	6.6	12.8	26.5	10.2	11.7	4.1	3.1	2.2	1.5	—1.5	23.9
19	2.9	8.2	12.3	25.6	11.1	12.4	4.0	3.3	1.1	2.2	—1.2	25.7

Mississippi River.—Memphis, Tenn., 1930.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	20.8	28.0	23.7	22.9	14.1	14.5	10.9	3.2	2.2	2.2	1.7	2.6
2	20.6	26.2	24.5	22.1	14.4	13.7	10.6	3.1	2.1	2.0	1.6	2.6
3	20.0	24.7	25.1	21.4	14.6	13.0	10.3	3.0	1.9	1.8	1.5	2.8
4	19.6	22.3	26.2	20.6	14.5	12.0	10.1	2.8	2.0	1.8	1.4	2.9
5	19.6	20.6	26.8	19.9	14.2	11.2	10.0	2.7	1.9	1.8	1.3	2.8
6	19.9	19.9	27.2	19.4	13.2	10.6	10.0	2.6	1.9	1.8	1.2	2.9
7	20.9	20.7	27.7	19.2	11.8	9.7	10.0	2.5	1.9	1.4	1.1	2.9
8	23.0	21.3	27.9	19.5	11.1	9.2	9.8	2.3	1.9	1.4	**0.95**	2.8
9	25.1	21.9	27.9	19.6	11.8	8.6	9.5	2.2	1.8	1.5	**0.95**	3.1
10	27.4	22.6	28.1	19.6	12.6	8.6	9.2	2.2	1.8	1.4	1.2	3.3
11	29.0	23.6	28.6	19.2	13.1	8.6	8.9	2.1	2.3	1.3	1.2	3.3
12	30.3	24.9	29.1	18.9	13.0	8.1	8.3	1.9	2.6	1.5	1.1	2.9
13	30.9	26.1	29.4	18.6	12.6	7.9	7.5	1.9	2.5	1.5	**0.95**	3.3
14	31.3	26.9	29.5	18.3	12.5	8.4	7.2	2.0	2.5	1.4	**0.95**	3.8
15	31.7	27.6	29.5	17.9	12.8	9.3	6.9	2.0	2.9	1.4	1.2	4.4
16	32.3	28.1	29.5	17.6	13.6	10.1	6.7	1.9	3.1	1.4	1.7	4.7
17	32.9	28.5	29.5	17.2	14.3	10 5	6.5	1.8	2.9	1.5	1.4	4.7
18	33.4	28.8	29.4	16.7	15.0	10.4	6.1	2.1	3.2	1.5	1.1	4.3
19	33.9	29.0	29.5	16.3	16.0	10.1	5.8	2.1	3.6	1.5	1.3	3.8
20	34.2	28.9	29.0	16.1	16.1	9.7	5.5	2.2	3.9	1.4	1.5	3.5
21	34.6	28.6	28.6	16.0	16.5	9.5	5.2	2.4	3.9	1.4	1.5	3.2
22	**34.7**	28.1	28.0	15.9	17.7	10.6	4.9	2.1	3.6	1.4	1.5	2.8
23	**34.7**	27.6	27.6	15.6	18.7	12.5	4.8	2.2	3.5	1.4	1.9	2.4
24	34.4	26.6	27.0	15.3	19.4	14.0	4.8	2.2	3.5	1.4	2.7	2.1
25	34.2	25.4	26.6	15.1	19.9	14.7	4.9	2.0	3.8	1.4	2.5	2.0
26	33.9	24.3	26.2	14.8	20.1	14.4	4.7	1.9	3.8	1.5	2.5	2.1
27	33.5	23.2	25.7	14.5	19.8	13.6	4.3	1.7	3.6	1.8	2.4	1.8
28	32.9	23.2	25.3	14.1	19.5	13.0	4.0	1.9	3.2	2.1	2.3	1.5
29	32.1		25.0	13.9	18.9	12.3	3.7	2.1	2.9	2.0	2.5	1.3
30	31.0		24.5	14.0	17.8	11.4	3.4	2.2	2.5	1.9	2.6	1.7
31	29.6		23.7		16.2		3.3	2.2		1.8		2.0

Mississippi River.—Mhoon Landing, Miss., 1930.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	23.3	34.6	27.1	26.7	14.7	16.5	10.3	—0.3	—1.4	—1.0	—2.0	—0.6
2	23.1	31.1	27.5	25.8	14.9	14.9	9.3	—0.4	—1.4	—1.3	—2.2	—0.2
3	22.8	29.1	28.2	24.8	15.2	13.9	8.9	—0.5	—1.6	—1.6	—2.2	0.0
4	22.1	27.0	28.9	23.9	15.4	12.5	8.6	—0.6	—1.6	—1.7	—2.4	0.3
5	21.7	25.6	30.1	22.9	15.2	11.3	8.6	—0.8	—1.7	—1.6	—2.4	0.6
6	21.8	24.7	30.6	22.1	14.4	10.3	8.6	—0.8	—1.7	—1.7	—2.6	0.6
7	22.5	24.2	31.2	21.7	12.9	9.3	8.5	—1.1	—1.6	—2.1	—2.8	0.6
8	25.1	24.3	31.4	21.6	11.1	7.3	8.3	—1.2	—1.6	—2.2	**—3.1**	0.4
9	26.8	24.8	31.6	21.7	10.4	6.6	8.1	—1.4	—1.6	—2.3	—2.9	0.4
10	29.8	25.6	31.9	21.7	11.6	6.2	7.8	—1.2	—1.8	—2.3	—2.6	0.5
11	31.6	26.6	32.2	21.7	12.3	5.9	7.4	—1.0	—1.6	—2.2	—2.8	0.6
12	32.9	27.7	32.8	21.5	12.6	5.7	6.7	—1.2	—1.1	—2.2	—3.0	0.3
13	33.6	29.2	33.1	20.8	12.5	5.5	6.2	—1.4	—1.2	—2.2	—3.0	0.2
14	34.3	30.1	33.3	20.6	12.1	5.7	5.7	—1.5	—1.1	—2.3	—3.0	0.9
15	35.0	31.1	33.5	20.0	11.7	7.2	5.0	—1.4	—0.8	—2.4	—2.9	1.4
16	35.8	31.6	33.6	19.5	12.0	8.2	4.6	—1.5	—0.4	—2.4	—2.2	2.3

10 – June 8 91 days

Mississippi River.—Memphis, Tenn., 1929.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	15.9	31.0	21.8	39.0	35.1	40.4	21.9	13.6	7.2	6.3	10.6	24.8
2	14.4	31.6	24.1	39.0	35.3	39.9	21.7	13.2	6.6	6.5	11.4	23.5
3	12.9	32.1	25.9	39.2	35.6	39.3	21.2	12.9	6.6	6.7	12.1	21.7
4	12.0	32.5	28.0	39.5	35.7	38.5	20.7	12.8	6.6	6.8	12.6	19.7
5	11.4	32.8	29.8	39.7	36.0	37.5	20.5	12.8	6.3	7.4	13.1	17.6
6	11.3	32.8	31.1	40.0	36.3	36.4	20.0	12.3	6.3	7.6	14.0	15.5
7	11.3	32.6	32.1	40.3	36.6	35.0	19.9	12.2	6.3	8.3	15.0	13.8
8	11.4	31.9	33.1	40.6	37.2	34.0	20.0	12.6	6.5	8.9	16.4	12.3
9	11.4	30.4	33.8	40.9	37.6	33.2	20.0	12.8	6.5	9.0	17.6	11.3
10	11.6	28.0	34.5	41.0	38.0	32.7	20.0	12.9	6.9	9.0	18.4	10.6
11	11.7	25.2	35.1	41.1	38.6	32.0	19.9	12.9	7.4	9.6	18.6	10.0
12	11.9	21.9	35.7	40.9	39.0	31.5	20.0	12.7	7.8	10.6	18.6	9.6
13	12.4	18.9	36.2	40.6	39.4	31.2	20.7	12.9	7.8	11.8	18.4	9.3
14	12.9	16.8	36.7	40.0	39.8	30.9	21.6	12.6	7.6	12.6	18.1	9.4
15	13.8	15.5	37.4	39.7	40.0	30.6	22.1	12.2	7.7	13.2	17.4	9.6
16	14.4	14.9	37.8	39.2	40.3	30.0	22.1	12.1	8.3	13.3	16.8	10.0
17	14.9	14.6	38.0	38.7	40.5	29.1	22.5	11.9	8.0	12.8	16.2	10.5
18	15.3	14.4	38.5	38.3	40.8	28.1	22.4	11.7	7.9	12.3	16.3	11.5
19	15.9	14.2	38.9	38.1	41.0	27.3	22.3	11.4	8.5	11.7	16.6	12.3
20	16.1	13.9	39.2	37.9	41.2	26.8	22.6	10.7	9.1	10.1	18.2	13.4
21	16.8	13.6	39.6	37.8	41.4	25.9	22.8	10.2	9.2	8.5	20.4	14.9
22	18.1	13.3	40.0	37.7	**41.5**	25.0	23.0	9.7	9.0	7.2	21.7	16.6
23	19.7	13.0	40.5	37.4	**41.5**	24.4	22.8	9.3	8.8	6.6	22.7	18.3
24	21.4	12.7	40.7	36.8	**41.5**	23.7	22.1	8.7	8.2	[1]**5.8**	23.4	19.7
25	22.9	12.4	40.9	36.6	**41.5**	22.8	21.4	8.3	7.7	6.4	24.1	20.8
26	24.4	13.4	40.7	36.1	**41.5**	21.9	20.3	8.2	7.8	7.3	25.3	21.5
27	26.3	14.9	40.5	35.6	**41.5**	21.1	18.2	8.4	7.8	8.2	25.6	21.8
28	27.6	18.1	40.2	35.2	**41.5**	20.6	16.5	8.3	7.1	8.7	26.2	21.9
29	28.7		39.7	34.9	41.4	20.9	15.6	8.5	6.7	9.3	26.2	21.7
30	29.6		39.4	34.9	41.2	21.6	14.3	8.2	6.5	9.6	25.6	21.4
31	30.4		39.2		40.8		13.8	7.9		10.1		21.1

[1] 4 p. m.

Mississippi River.—Mhoon Landing, Miss., 1929.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	20.0	33.9	22.1	42.4	39.1	44.1	23.5	10.2	3.3	2.9	9.4	28.3
2	18.9	34.9	25.3	42.3	39.2	43.8	23.6	10.0	2.7	2.8	10.2	27.0
3	17.8	35.4	27.8	42.3	39.4	43.4	23.2	9.7	2.6	3.1	11.2	25.5
4	16.0	35.7	29.9	42.4	39.5	42.9	22.8	9.7	2.3	3.3	12.1	23.4
5	15.6	36.2	31.9	42.6	39.7	42.2	22.2	8.9	1.9	3.9	13.0	20.6
6	15.3	36.5	33.0	42.8	39.8	41.5	21.9	8.7	**1.4**	4.4	14.2	18.0
7	15.5	36.6	34.4	43.0	40.1	40.5	21.5	8.6	1.5	5.2	15.6	16.9
8	15.8	36.3	35.9	43.2	40.4	39.6	21.4	8.9	1.6	6.2	17.0	14.2
9	16.0	35.5	37.0	43.6	40.8	38.8	21.1	9.2	1.9	6.9	18.2	12.0
10	16.2	33.9	37.7	43.8	41.2	38.0	21.1	9.4	2.3	7.2	19.3	10.8
11	16.4	31.7	38.2	43.9	41.5	37.4	21.2	9.7	2.9	7.6	20.1	10.0
12	16.6	28.0	38.8	43.9	41.9	36.8	21.3	9.9	3.8	8.4	20.2	9.4
13	17.6	24.7	39.4	43.8	42.2	36.4	21.4	10.1	3.8	9.9	20.0	9.0
14	19.3	22.0	39.9	43.5	42.5	36.0	22.9	10.0	3.7	11.4	19.5	8.2
15	20.0	20.1	40.3	43.1	42.8	35.5	23.9	9.7	3.9	12.1	18.7	8.7
16	20.9	18.5	40.7	42.8	43.1	34.8	24.4	9.3	4.4	12.8	18.1	9.1
17	21.7	17.7	41.1	42.5	43.3	34.2	24.6	8.9	5.1	12.9	17.4	9.6
18	22.3	17.3	41.4	42.2	43.5	33.4	24.8	8.7	4.7	12.2	17.1	10.9
19	22.7	17.0	41.7	42.0	43.7	31.4	24.9	8.4	5.3	11.1	20.0	12.0
20	23.0	16.7	42.0	41.8	43.9	30.8	25.1	8.0	5.9	9.0	21.5	13.8
21	23.4	16.4	42.3	41.7	44.1	30.0	25.3	7.4	6.6	6.7	22.0	15.5
22	23.8	16.1	42.6	41.5	44.3	29.4	25.5	6.7	6.5	5.1	23.1	17.4

Mississippi River.—Memphis, Tenn., 1928.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	26.9	22.3	24.4	23.3	32.8	20.8	34.5	19.5	14.1	10.3	12.7	26.7
2	25.5	21.8	23.5	22.8	33.0	20.2	34.6	19.3	13.4	9.9	12.4	25.3
3	23.6	21.2	22.6	22.5	33.0	19.6	34.8	19.0	12.9	9.5	12.1	23.8
4	22.1	20.4	21.8	22.8	32.8	19.3	35.1	18.4	12.7	9.3	11.9	22.1
5	21.0	19.4	20.9	23.8	32.5	19.4	35.3	17.9	12.9	9.2	11.8	20.7
6	19.9	18.6	20.3	25.4	32.0	19.8	35.4	17.2	13.6	9.4	11.5	19.7
7	19.0	17.9	19.9	26.4	31.5	20.6	35.5	16.6	14.1	9.5	11.4	19.3
8	18.9	17.3	19.5	27.2	30.8	21.4	35.6	15.9	14.6	9.6	11.6	19.2
9	19.3	17.1	19.1	28.3	30.0	22.4	35.7	15.6	14.9	9.6	11.6	19.4
10	19.3	17.4	18.6	29.4	29.3	23.8	**35.8**	15.3	15.1	9.6	11.8	19.5
11	18.8	18.1	18.0	30.2	28.4	25.7	35.6	15.4	15.3	9.5	12.3	19.5
12	18.3	19.7	17.3	30.7	27.4	27.5	35.5	15.9	15.5	9.3	12.8	19.3
13	18.3	21.8	17.3	30.8	26.3	28.9	35.4	16.6	15.3	9.2	13.0	18.9
14	18.8	23.9	18.0	30.8	25.0	30.2	35.0	16.6	14.7	9.2	12.8	18.3
15	19.1	25.5	18.5	30.4	23.6	31.0	34.2	16.4	14.1	9.1	12.5	17.1
16	19.1	26.6	18.8	29.6	22.0	31.7	33.1	15.6	13.6	8.9	12.0	15.9
17	19.1	27.4	18.9	28.6	20.5	32.3	31.6	14.9	13.0	8.6	11.5	15.0
18	19.1	27.9	19.3	27.8	19.2	32.8	30.0	14.4	12.9	8.6	11.0	14.1
19	19.1	28.1	20.1	27.3	18.0	33.3	28.4	13.8	14.2	**8.5**	10.5	13.2
20	18.8	28.3	21.3	27.5	16.9	33.4	27.0	13.3	15.3	8.8	10.3	14.0
21	18.7	28.4	22.6	28.5	16.3	33.6	26.1	13.0	15.4	9.2	10.6	15.6
22	18.9	28.5	23.8	29.0	16.3	33.7	25.0	12.8	15.0	9.8	13.1	17.3
23	19.6	28.2	24.7	29.4	16.7	34.0	24.0	12.6	13.9	10.5	18.1	19.6
24	20.3	27.8	25.4	29.9	17.8	34.1	23.1	12.8	13.3	11.1	21.7	21.3
25	20.8	27.1	26.0	30.3	18.9	34.4	22.1	13.4	12.7	11.5	24.2	22.3
26	21.0	26.6	26.4	30.8	19.7	34.6	21.1	14.4	12.4	11.5	26.2	22.4
27	21.5	26.1	26.6	31.2	20.1	34.8	20.6	14.9	11.8	11.6	27.0	21.9
28	21.9	25.7	26.3	31.7	20.3	34.8	20.1	15.2	11.4	12.1	27.8	21.0
29	22.4	25.1	25.7	32.2	20.6	34.7	19.9	14.9	10.9	12.5	28.3	20.0
30	22.5		25.1	32.4	21.0	34.6	19.9	14.6	10.6	12.4	27.9	18.8
31	22.5		24.1		21.1		19.6	14.2		12.6		17.5

Mississippi River.—Mhoon Landing, Miss., 1928.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	31.3	24.1	26.6	26.7	36.5	23.6	38.4	21.9	16.9	13.8	16.2	29.7
2	29.9	23.7	26.2	25.9	36.8	22.9	38.4	21.5	16.6	13.1	16.2	28.9
3	28.7	23.2	25.7	25.4	36.9	22.3	38.5	21.1	16.0	12.5	16.0	28.0
4	26.0	22.2	24.9	25.3	36.9	21.4	38.7	20.7	15.5	12.2	15.8	26.5
5	25.0	21.5	23.9	25.9	36.7	21.3	39.0	19.7	15.7	12.1	15.4	24.6
6	23.0	20.3	23.0	27.4	36.4	21.4	39.2	19.0	16.0	12.3	15.1	22.5
7	21.7	19.2	22.3	28.7	36.0	22.3	39.4	18.3	16.7	12.5	14.8	20.7
8	21.0	17.7	21.8	29.8	35.4	23.1	39.4	17.6	17.3	12.7	14.4	20.5
9	20.9	16.6	21.5	30.8	34.8	24.3	39.4	17.0	17.8	12.7	14.5	20.6
10	21.0	16.7	21.0	32.2	34.4	25.9	[1]**39.6**	16.5	18.2	12.8	14.9	20.8
11	20.8	17.2	20.3	33.2	33.5	27.2	39.5	16.4	18.6	12.6	15.6	20.6
12	20.2	19.1	19.5	33.9	32.5	29.4	39.4	17.0	19.0	12.3	16.2	20.4
13	19.8	21.8	19.0	34.3	30.4	31.0	39.4	17.9	19.3	12.0	16.9	19.5
14	20.0	23.7	19.4	34.6	29.7	32.7	39.2	18.4	19.1	11.9	16.8	18.7
15	20.4	27.6	20.0	34.7	28.4	33.7	38.7	18.5	18.5	11.8	16.6	17.7
16	20.9	28.5	20.6	34.2	26.5	34.5	38.2	18.0	18.0	11.6	16.2	17.0
17	20.8	29.5	20.8	33.4	24.7	35.5	36.4	17.7	17.3	11.3	15.3	16.2
18	20.6	30.5	21.0	32.5	23.2	36.3	35.9	17.2	16.6	**11.2**	14.5	15.3

Mississippi River.—Memphis, Tenn., 1927.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	32.6	32.7	30.1	41.0	43.8	32.3	28.7	15.9	14.0	8.4	12.5	18.1
2	33.3	33.3	30.1	40.6	43.2	33.0	27.7	15.6	13.6	8.9	12.6	17.3
3	34.0	33.7	30.3	40.3	42.7	33.5	26.5	15.1	13.0	9.6	12.5	16.7
4	34.6	34.2	30.6	39.9	42.2	34.1	25.2	14.8	12.4	10.6	12.0	17.4
5	35.1	34.7	30.9	39.8	41.6	34.6	24.0	14.2	11.8	11.4	11.2	18.7
6	35.6	35.3	31.3	39.8	41.0	35.0	23.1	13.9	11.3	12.1	10.1	20.0
7	35.9	35.8	31.6	40.1	40.7	35.5	22.2	13.8	10.3	14.4	9.2	20.7
8	36.5	36.3	32.3	40.4	39.9	36.1	21.4	14.2	9.9	17.4	8.6	21.0
9	37.0	36.9	32.5	41.0	39.2	36.6	20.4	14.5	9.8	19.0	8.2	21.1
10	37.2	37.2	32.5	41.5	38.4	37.2	19.9	14.7	9.6	19.6	7.9	21.4
11	37.5	37.4	32.2	41.9	37.7	37.9	19.4	14.8	9.5	19.9	8.5	21.9
12	37.7	37.7	32.5	42.2	36.6	38.4	19.1	15.0	9.4	19.9	9.5	22.6
13	37.5	37.8	32.9	42.4	36.1	38.8	18.6	15.2	9.0	19.6	10.6	23.4
14	37.4	37.7	33.2	42.6	35.8	39.0	18.2	15.2	8.8	19.3	11.5	23.9
15	37.1	37.4	33.3	42.8	35.5	39.0	17.9	15.2	8.8	19.4	12.0	24.2
16	35.8	37.1	33.4	43.6	35.3	38.8	17.7	15.8	9.0	19.7	12.7	25.0
17	34.2	36.8	33.8	44.0	35.2	38.3	17.5	16.8	9.2	19.7	12.6	25.6
18	31.3	36.3	34.3	44.3	35.0	37.8	17.3	17.7	9.4	19.5	12.6	26.1
19	26.9	35.6	35.0	44.3	34.7	37.2	17.1	18.5	9.8	19.3	12.8	26.6
20	22.8	34.9	35.7	44.8	34.2	36.6	16.9	18.7	9.8	18.9	13.3	27.2
21	21.0	34.2	36.4	45.3	33.7	35.8	16.6	18.7	9.8	18.4	14.1	27.9
22	20.9	33.4	37.2	45.6	33.0	35.2	16.3	18.4	9.5	17.6	15.5	28.4
23	21.9	32.9	37.7	45.8	32.3	34.2	15.9	18.1	9.3	16.5	16.5	28.8
24	23.8	32.3	38.4	45.8	31.6	33.3	15.5	17.7	9.0	15.5	17.6	29.1
25	26.3	31.7	39.0	45.8	31.2	32.3	15.2	17.3	8.7	14.4	18.5	29.3
26	28.1	31.1	39.7	45.7	30.8	31.7	14.9	16.9	8.4	13.5	19.1	29.3
27	29.3	30.7	40.4	45.4	30.6	31.2	14.7	16.4	8.2	13.0	19.4	29.3
28	30.2	30.3	40.9	45.0	30.7	30.7	14.8	15.8	8.0	12.6	19.2	29.2
29	31.0		41.3	44.7	31.0	30.2	15.1	15.3	8.0	12.4	18.9	29.0
30	31.8		41.4	44.2	31.5	29.6	15.4	14.8	8.1	12.1	18.6	28.6
31	32.2		41.2		31.8		15.6	14.5		12.2		28.1

Mississippi River.—Mhoon Landing, Miss., 1927.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	35.3	35.7	34.4	43.1	46.1	35.0	32.7	17.3	15.6	6.6	12.1	19.2
2	36.1	36.3	34.0	42.9	45.7	35.4	32.0	17.1	14.9	6.8	12.3	18.5
3	37.0	36.7	34.0	42.6	45.3	35.7	31.0	16.6	14.1	8.2	12.2	18.5
4	37.7	37.1	34.2	42.4	44.8	36.3	30.0	16.0	13.6	10.0	11.8	18.8
5	38.3	37.5	34.4	42.2	44.3	36.6	28.0	15.3	12.4	11.0	11.4	19.5
6	38.7	38.0	34.6	42.2	44.0	36.9	26.5	14.8	11.6	11.7	10.5	20.6
7	39.1	38.5	35.0	42.4	43.7	37.3	24.8	14.6	10.8	12.3	9.8	21.4
8	39.3	38.8	35.4	42.6	43.3	37.7	23.7	14.9	10.2	15.5	9.4	22.1
9	39.5	39.2	35.7	42.9	42.6	38.0	22.7	15.4	9.6	18.1	9.0	22.5
10	39.7	39.6	35.9	43.2	42.0	38.5	21.6	16.0	9.0	19.1	8.8	22.7
11	39.9	39.9	35.8	43.6	41.4	38.9	20.5	16.3	8.1	20.4	8.9	23.0
12	40.1	40.1	36.0	43.9	40.7	39.3	19.8	16.5	7.9	20.8	9.6	24.0
13	40.3	40.3	36.4	44.2	40.0	39.6	19.4	16.8	7.7	20.6	12.0	24.8
14	40.2	40.3	36.6	44.4	39.6	40.0	18.8	17.0	[illegible]			
15	40.0	40.2	36.8	44.5	39.1	40.2	[illegible]					
16	39.6	40.0	[illegible]									

Mississippi River.—Memphis, Tenn., 1926.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	4.3	27.9	28.0	21.6	20.7	11.6	14.1	4.4	20.5	22.6	19.1	25.6
2	3.1	27.9	28.3	22.2	19.5	10.9	13.3	4.5	20.0	22.5	19.7	25.5
3	2.5	27.6	28.3	23.0	18.4	10.6	12.2	4.8	19.5	23.0	20.3	25.4
4	2.4	26.9	28.3	23.7	17.6	10.5	12.0	5.3	18.9	23.5	21.0	25.3
5	2.5	25.8	28.1	24.5	16.8	10.5	11.0	6.0	17.9	24.4	21.6	25.2
6	3.5	24.3	27.8	25.1	16.0	10.5	10.3	6.4	16.9	25.3	22.1	25.2
7	4.9	22.5	27.8	25.4	15.3	10.3	9.7	6.8	15.8	26.5	22.3	24.7
8	5.6	21.3	27.3	25.4	14.9	10.1	8.8	7.1	14.9	27.5	22.5	24.0
9	5.7	20.5	26.9	25.4	14.5	10.3	7.9	7.8	15.8	28.3	22.5	23.2
10	5.6	20.4	26.4	25.6	14.0	10.8	7.3	8.3	18.0	29.2	22.2	22.1
11	5.2	20.9	26.3	26.8	13.6	11.0	6.7	8.5	20.1	29.7	21.7	21.2
12	5.5	21.7	26.0	28.0	13.2	11.0	6.3	8.3	21.2	30.2	21.1	20.3
13	6.3	22.2	24.7	28.8	12.8	11.0	6.5	8.2	22.1	30.7	20.4	20.2
14	7.3	22.5	23.8	29.2	12.5	10.9	7.5	8.5	22.6	31.0	19.5	20.7
15	7.8	22.4	21.9	30.1	12.2	10.6	8.3	8.2	23.2	31.3	19.2	21.1
16	7.8	21.7	20.9	30.4	11.9	9.7	9.6	8.0	23.7	31.3	18.4	21.6
17	7.5	20.6	20.0	30.7	11.8	9.0	10.5	7.4	24.4	31.3	17.8	21.9
18	7.1	19.6	19.5	30.9	11.8	8.4	10.5	6.9	24.8	31.3	17.5	22.4
19	6.7	18.5	19.1	31.0	11.7	8.7	9.8	6.9	24.9	31.1	18.2	23.0
20	6.6	18.3	18.5	31.0	11.5	9.5	9.3	7.6	24.9	30.7	19.1	23.5
21	7.2	19.4	18.0	30.9	11.3	10.9	8.4	8.4	24.6	29.8	20.3	24.3
22	9.2	20.4	17.4	30.9	11.0	13.1	7.6	9.4	24.4	28.7	21.6	25.0
23	11.1	21.6	16.9	30.7	11.0	14.5	6.6	10.4	24.3	27.0	22.4	25.2
24	14.7	22.9	16.5	30.4	11.5	15.2	6.0	12.2	24.2	25.1	23.3	25.5
25	18.3	24.6	16.2	29.6	12.0	15.5	5.7	13.9	23.8	23.2	24.2	26.3
26	21.5	25.6	16.1	28.6	12.6	15.5	5.6	15.8	23.5	21.5	25.1	27.0
27	23.7	26.6	16.8	27.2	12.6	15.2	5.6	17.6	23.3	20.1	25.3	28.3
28	25.3	27.2	17.8	25.5	12.6	14.9	5.2	19.3	23.1	19.0	25.5	29.0
29	26.4		18.5	23.7	12.5	14.8	4.8	20.1	22.9	18.2	25.6	30.0
30	27.2		19.6	22.1	12.3	14.7	4.5	20.7	22.8	18.1	25.6	30.9
31	27.7		20.8		12.0		4.4	20.8		18.6		32.3

Mississippi River.—Mhoon Landing, Miss., 1926.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	3.6	30.6	30.3	23.0	25.5	10.7	14.5	4.4	22.4	24.7	20.3	28.2
2	2.2	30.8	31.0	24.0	23.5	10.5	13.8	4.2	22.0	24.5	20.7	28.1
3	0.9	30.8	31.4	24.8	21.4	10.1	13.0	4.2	21.2	24.4	21.4	27.9
4	0.4	30.4	31.4	25.6	20.6	10.0	12.4	5.7	20.5	24.6	22.0	27.9
5	0.2	29.6	31.4	26.4	19.4	9.8	11.5	5.4	19.8	26.0	23.0	27.8
6	1.6	28.4	31.3	27.0	18.4	9.7	10.5	5.9	18.8	27.0	23.6	27.6
7	2.8	27.0	31.0	27.7	17.5	9.4	9.5	6.3	17.4	28.2	24.2	27.4
8	4.5	25.0	30.8	28.2	16.6	9.5	8.7	6.9	16.4	28.6	24.5	27.0
9	4.6	23.8	30.3	28.3	15.9	10.0	7.8	7.6	16.5	29.9	24.7	26.4
10	4.6	23.0	30.0	28.5	15.1	10.3	7.3	8.8	18.6	31.0	24.6	25.5
11	4.4	22.8	29.5	29.5	14.5	11.0	7.7	9.2	20.0	31.9	24.1	24.0
12	4.5	23.6	29.0	30.6	13.9	11.1	6.8	9.2	22.0	32.5	23.7	23.9
13	5.4	24.4	28.6	31.3	13.4	11.5	6.7	9.0	23.4	33.0	22.5	22.5
14	6.5	24.8	28.0	32.4	12.9	11.3	6.9	8.7	24.0	33.5	22.3	21.5
15	7.2	25.0	27.0	33.2	12.4	11.1	7.5	9.0	24.7	34.0	21.2	21.9
16	7.5	24.6	25.3	33.6	12.0	10.6	8.5	8.7	25.4	34.4	20.4	22.2
17	7.5	23.6	24.1	33.8	11.6	9.7	9.2	8.2	26.2	34.5	20.0	23.6
18	7.5	22.5	23.0	34.2	11.3	9.1	10.4	7.4	26.6	34.5	19.6	24.4
19	7.0	21.8	21.7	34.4	11.1	8.6	10.4	7.2	27.0	34.3	19.5	24.8
20	6.2	20.8	20.9	34.5	10.9	8.5	9.8	6.8	27.1	34.1	19.7	25.4
21	6.6	21.0	20.4	34.5	10.7	9.6	8.8	7.1	27.0	33.8	20.0	26.5
22	8.4	21.6	20.0	34.6	10.4	12.0	7.2	7.9	26.7	32.9	23.0	27.4
23	10.2	22.8	19.4	34.4	10.3	13.5	6.4	9.4	26.5	32.5	24.2	28.4
24	13.0	24.4	19.0	34.2	10.4	14.4	6.2	11.0	26.5	30.0	24.7	28.9
25	17.2	26.1	18.8	33.8	11.0	16.0	5.8	13.0	26.4	28.3	25.5	29.4
26	21.4	27.5	18.3	33.3	11.8	16.2	5.6	14.5	26.2	26.3	26.5	29.8
27	24.3	28.5	18.5	32.5	12.4	16.0	5.4	16.6	25.7	24.0	27.2	30.9
28	26.8	29.5	19.0	31.5	12.5	15.5	5.2	18.5	25.4	21.7	27.7	31.7
29	28.2		19.7	29.4	12.4	15.2	5.0	21.4	25.1	20.5	28.0	32.7
30	29.3		21.0	27.5	11.9	14.9	4.8	21.7	24.9	20.0	28.2	33.5
31	29.9		22.0		11.3		4.6	22.4		20.0		34.5

Mississippi River.—Memphis, Tenn., 1925.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	9.8	15.6	28.7	25.1	11.9	9.3	14.4	8.8	3.6	2.6	12.0	19.0
2	9.5	15.2	28.9	24.4	13.8	8.6	14.0	8.8	3.1	3.7	11.6	18.6
3	10.2	14.6	**29.0**	23.3	15.0	8.0	13.8	8.5	2.6	4.6	11.0	18.3
4	10.6	13.8	28.7	22.5	16.1	7.3	13.8	8.2	2.1	4.7	10.7	18.1
5	10.4	13.2	28.0	21.6	16.3	7.1	14.1	7.3	1.6	4.6	11.1	17.7
6	9.7	13.1	26.9	19.9	16.1	7.0	14.4	6.4	1.2	4.4	11.6	17.3
7	9.2	13.4	25.7	18.5	15.6	6.9	14.0	6.1	0.8	4.4	11.8	17.0
8	9.1	14.4	24.5	17.2	15.1	6.7	13.3	5.1	0.4	5.1	12.0	17.2
9	9.2	15.2	22.8	15.8	14.8	6.6	12.3	4.7	—0.2	6.5	12.1	17.5
10	10.3	16.2	21.4	15.1	14.8	7.3	11.5	4.3	—0.3	7.7	12.7	17.7
11	11.0	16.7	20.1	15.1	14.7	8.4	11.0	4.0	—0.4	7.9	13.6	17.8
12	11.4	17.3	18.9	16.0	14.7	9.8	11.0	3.7	—0.5	7.7	14.4	17.8
13	11.2	17.9	17.8	17.1	14.5	10.5	11.1	3.6	**—0.6**	7.3	16.9	17.4
14	11.0	18.6	17.1	17.8	14.2	10.0	11.3	3.6	**—0.6**	6.9	19.2	16.7
15	10.6	18.9	16.5	18.1	13.9	10.2	11.5	3.6	**—0.6**	7.0	21.6	16.0
16	10.7	18.7	16.0	17.9	13.6	10.1	11.1	3.7	—0.5	7.0	23.2	15.5
17	11.8	18.5	16.5	17.6	13.4	10.0	10.5	3.9	—0.4	7.2	24.5	15.0
18	12.7	18.1	17.2	17.3	13.2	9.8	10.0	4.3	—0.2	6.9	25.6	14.5
19	13.2	18.4	18.1	16.7	13.4	9.8	9.9	4.3	0.0	6.9	26.4	14.0
20	13.8	19.2	18.9	16.1	14.3	10.2	10.0	4.6	0.5	7.6	26.9	13.4
21	14.4	20.5	19.8	15.4	15.4	10.9	10.2	4.7	1.0	8.1	27.1	12.9
22	14.8	21.4	20.9	14.7	16.6	11.6	10.5	5.0	1.8	8.8	26.9	12.2
23	14.9	23.7	22.4	14.1	17.2	12.9	10.0	5.3	2.5	9.8	26.4	11.5
24	14.7	25.0	23.6	13.6	17.3	13.9	9.9	5.1	2.6	11.2	25.6	10.5
25	14.6	26.2	24.7	13.1	17.0	14.5	9.6	4.7	2.4	12.3	24.8	9.6
26	14.5	27.5	25.2	12.5	15.8	14.8	9.2	4.3	2.3	12.8	23.9	8.7
27	14.7	28.1	25.7	12.1	14.6	15.2	8.4	4.2	2.3	13.3	22.9	8.0
28	15.7	28.7	25.9	11.9	13.4	15.3	8.2	4.5	2.2	13.3	21.4	7.7
29	16.0		26.1	11.8	12.1	15.3	8.4	4.6	2.3	13.2	20.2	7.3
30	16.5		26.0	11.9	11.0	15.0	8.7	4.4	2.4	12.6	19.5	6.7
31	16.2		25.7		10.6		8.8	4.0		12.3		6.2

Mississippi River.—Mhoon Landing, Miss., 1925.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	9.4	17.2	32.2	28.6	13.4	9.8	15.4	8.8	2.2	0.5	12.5	21.5
2	9.3	16.8	32.5	27.9	14.5	9.4	14.9	8.5	1.6	2.0	12.2	20.9
3	9.6	16.0	**32.6**	27.0	15.9	8.2	14.6	8.0	1.2	3.0	11.7	20.4
4	10.2	15.0	32.5	26.0	16.7	7.1	14.5	7.6	0.6	3.4	11.4	20.0
5	10.0	14.3	32.2	24.6	17.5	6.0	14.6	7.0	0.2	2.8	11.6	19.5
6	10.0	13.9	31.4	23.2	17.5	5.4	15.0	6.2	—0.1	2.2	11.7	19.0
7	9.4	14.0	30.0	21.6	17.3	5.2	14.9	5.0	—0.3	2.0	12.0	18.7
8	9.1	14.8	28.4	19.7	16.7	5.0	14.5	4.2	—0.6	2.7	12.5	18.6
9	9.2	15.7	26.8	18.2	16.4	4.9	13.4	3.6	—0.9	4.7	12.7	18.9
10	9.8	16.8	25.4	17.1	16.4	5.1	12.6	3.0	—1.2	6.5	13.2	19.2
11	10.8	17.6	23.5	16.5	16.4	6.5	11.5	2.5	—1.8	7.7	13.9	19.3
12	11.3	18.5	22.0	17.0	16.4	9.0	11.3	2.2	—2.0	7.8	15.0	19.3
13	11.5	19.3	20.8	18.0	16.1	10.0	11.2	2.0	—2.0	7.5	16.6	19.0
14	11.4	20.0	19.8	19.2	15.8	10.3	11.6	2.0	**—2.1**	6.9	19.0	18.3
15	11.0	20.7	18.9	19.7	15.4	10.2	11.8	2.0	**—2.1**	6.5	22.2	17.5
16	10.9	20.7	18.0	19.8	15.2	9.9	11.4	2.1	**—2.1**	6.6	24.3	16.9
17	11.7	20.5	18.2	19.6	15.0	9.9	10.9	2.3	**—2.1**	6.8	25.9	16.4
18	12.8	20.2	18.8	19.2	14.8	9.7	10.3	2.6	**—2.1**	6.7	26.9	15.7
19	13.4	20.2	19.6	18.6	14.7	9.4	9.9	2.9	—1.9	6.7	28.0	15.2
20	14.0	20.8	20.5	17.8	15.3	9.8	10.0	3.1	—1.3	6.7	28.7	14.5
21	15.0	22.0	21.5	17.2	16.4	10.5	10.3	3.1	—1.1	7.4	29.0	13.7
22	15.5	23.4	22.5	16.5	17.1	11.3	10.5	3.4	—0.5	8.1	29.4	13.0
23	15.9	25.4	23.8	15.8	18.2	12.5	10.5	3.7	0.5	9.0	29.1	11.8
24	15.8	26.9	25.4	15.3	18.7	13.8	10.2	3.8	0.6	10.4	28.5	11.1
25	15.5	28.3	26.8	14.7	18.6	14.6	9.8	3.6	0.6	12.0	27.5	10.1
26	15.5	29.8	27.3	14.0	17.8	15.0	9.5	3.0	0.3	12.9	26.6	9.4
27	15.8	31.0	28.3	13.6	16.5	15.4	8.8	2.8	0.0	13.3	25.5	8.6
28	16.5	31.7	28.7	13.0	15.2	15.8	8.2	2.8	0.0	13.8	24.4	7.8
29	17.4		29.0	13.0	13.5	16.0	8.3	2.8	—0.1	13.6	23.1	7.0
30	17.8		29.0	12.9	12.6	15.9	8.6	2.8	0.1	13.0	22.4	6.2
31	17.7		28.9		11.0		8.8	2.7		12.9		5.0

Mississippi River.—Memphis, Tenn., 1924.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	28.5	26.0	26.6	22.6	23.2	27.6	23.9	15.3	14.1	8.5	3.7	3.6
2	28.3	23.5	27.0	23.5	22.4	28.1	24.1	14.7	14.8	9.1	3.5	3.6
3	28.4	22.3	27.2	24.7	22.2	28.5	24.5	14.1	15.1	9.2	3.3	3.7
4	28.3	21.1	27.1	25.7	22.8	29.1	24.9	13.6	15.1	9.1	3.1	3.9
5	28.4	19.2	26.7	26.8	23.5	29.4	25.4	13.1	14.7	8.7	3.1	4.1
6	28.8	18.0	25.8	27.9	24.2	29.5	26.0	12.7	14.2	8.1	3.1	4.1
7	29.4	17.3	24.6	28.5	25.1	29.5	26.3	12.3	13.6	7.7	**3.0**	4.4
8	30.1	17.1	23.1	29.0	25.4	29.1	26.5	11.8	12.7	7.8	3.1	4.7
9	30.4	17.0	21.7	29.6	25.5	28.6	26.3	11.1	12.0	9.3	3.1	5.0
10	31.0	17.3	21.2	30.0	25.5	27.8	25.7	10.6	11.2	11.6	3.2	5.3
11	31.6	17.8	21.5	30.3	25.2	26.7	24.9	10.4	10.5	13.2	3.2	7.1
12	32.1	17.6	22.7	30.6	24.5	25.3	23.8	10.2	10.1	14.6	3.2	9.1
13	32.5	17.4	23.7	30.7	23.7	23.9	22.6	10.0	9.7	14.9	3.2	10.8
14	33.0	17.2	24.7	30.8	23.0	23.4	21.5	10.4	9.3	14.8	3.4	12.9
15	33.2	16.8	25.1	30.7	22.3	23.5	20.3	11.2	9.0	14.2	3.5	15.5
16	33.6	16.7	25.2	30.4	21.7	24.4	18.9	12.2	8.6	13.3	3.4	17.7
17	33.8	16.6	25.2	29.7	21.1	25.7	18.4	12.9	8.3	12.3	3.3	19.2
18	**34.1**	16.5	25.0	28.7	20.8	27.0	18.2	13.2	8.0	11.2	3.3	20.3
19	**34.1**	16.6	24.5	27.6	20.6	27.7	18.3	13.5	7.8	10.3	3.4	20.9
20	**34.1**	16.8	23.7	26.7	20.9	28.1	18.7	13.2	7.4	8.7	3.6	20.4
21	33.7	17.0	22.8	25.6	21.6	28.3	19.4	12.6	7.2	7.3	3.5	19.3
22	33.5	17.5	21.7	25.1	22.6	28.4	20.1	12.1	7.2	6.4	3.5	17.2
23	33.3	18.1	21.0	24.8	23.5	28.6	20.4	11.3	7.7	5.6	3.5	15.6
24	33.0	19.0	20.3	24.8	24.5	28.8	20.5	10.5	8.2	5.0	3.6	14.2
25	32.6	20.4	19.9	24.9	25.1	28.6	20.3	10.4	8.6	4.6	3.6	13.7
26	32.1	21.8	19.8	25.0	25.4	27.9	20.0	10.4	8.6	4.4	3.6	12.5
27	31.7	23.3	20.0	25.0	26.2	27.0	19.5	10.6	8.4	4.2	3.5	11.3
28	30.7	24.7	20.4	24.6	26.6	26.0	18.3	11.1	8.2	4.1	3.5	10.8
29	29.6	25.6	21.0	24.0	27.0	24.7	17.3	11.8	8.1	4.0	3.6	10.4
30	28.3		21.7	23.5	27.2	24.1	16.8	12.7	8.2	4.0	3.5	10.0
31	27.0		21.9		27.8		16.0	13.1		3.8		9.8

Mississippi River.—Mhoon Landing, Miss., 1924.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	32.7	30.8	29.1	25.4	26.5	31.3	27.2	16.8	14.3	8.0	1.9	1.9
2	32.5	28.5	29.9	26.3	25.8	31.7	27.0	15.8	15.3	8.6	1.7	1.9
3	32.5	26.4	30.9	27.6	25.4	32.1	27.3	15.0	15.7	8.8	1.5	1.9
4	32.5	24.9	31.0	28.8	25.5	32.6	27.8	14.2	15.8	8.8	1.3	2.2
5	32.4	23.5	30.8	29.8	26.1	33.0	28.4	13.5	15.7	8.6	1.2	2.5
6	32.5	21.9	29.5	30.9	27.1	33.4	28.8	13.1	15.3	7.8	1.2	2.5
7	33.1	20.7	28.3	32.1	27.9	33.6	29.2	12.6	14.5	7.2	**1.1**	2.5
8	33.7	19.7	26.9	32.6	28.6	33.4	29.6	12.0	13.7	7.1	1.4	2.9
9	34.2	19.3	25.2	33.2	29.0	33.0	29.7	11.3	12.7	7.6	1.4	3.5
10	34.7	19.3	24.2	33.9	29.1	32.5	29.5	10.8	11.7	10.2	1.4	3.5
11	35.1	19.2	23.5	34.2	28.9	31.6	28.5	10.5	10.8	12.5	1.4	4.4
12	35.7	19.2	24.2	34.5	28.3	30.2	27.5	10.3	10.2	14.4	1.4	6.9
13	36.3	19.2	25.6	34.7	27.5	28.8	26.2	10.1	9.8	15.3	1.4	9.2
14	36.7	19.2	26.6	35.0	26.8	27.3	24.5	10.2	9.4	15.5	1.6	11.8
15	37.1	18.7	27.4	35.1	25.8	26.3	22.8	10.8	8.9	15.3	1.7	14.6
16	37.5	18.3	27.7	35.0	25.0	27.0	21.2	12.0	8.3	14.5	1.7	17.4
17	37.8	18.2	27.9	34.6	24.0	28.0	20.4	12.8	8.0	13.5	1.7	19.5
18	38.0	18.2	27.8	33.7	23.3	29.5	19.9	13.8	7.6	12.0	1.7	21.1
19	38.2	18.1	27.5	32.7	22.8	30.8	19.7	14.1	7.3	10.7	1.8	22.0
20	**38.3**	18.1	26.9	31.5	22.9	31.5	20.1	14.1	7.0	9.2	1.8	22.0
21	**38.3**	18.3	26.0	30.2	23.6	31.9	20.7	13.6	6.6	7.8	1.8	21.0
22	38.1	18.7	24.8	29.6	24.7	32.1	21.5	12.8	6.5	6.2	1.8	19.2
23	37.9	19.4	23.5	28.8	25.8	32.4	22.1	11.8	6.8	5.0	1.8	17.4
24	37.6	20.1	22.4	28.6	27.0	32.6	22.5	11.0	7.0	4.0	1.9	15.4
25	37.3	22.4	21.6	28.4	27.8	32.7	22.4	10.5	7.8	3.3	1.8	13.7
26	37.0	23.7	21.4	28.5	28.3	32.3	22.1	10.4	8.0	2.8	1.8	12.3
27	36.6	25.3	21.9	28.5	29.0	31.4	21.7	10.5	8.0	2.6	1.8	11.0
28	35.9	26.7	22.5	28.3	29.5	30.5	20.8	10.9	7.8	2.6	1.9	10.0
29	34.9	28.1	23.1	27.8	30.2	29.0	20.0	11.5	7.4	2.3	1.8	9.5
30	34.1		23.8	27.3	30.7	27.8	18.9	12.5	7.6	2.2	1.9	9.2
31	32.9		24.8		31.0		17.9	13.5		2.1		9.3

Mississippi River.—Memphis, Tenn., 1923.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	13.8	26.4	19.7	35.6	23.1	23.6	16.2	10.2	8.7	5.3	7.0	5.3
2	13.0	27.3	17.6	35.5	21.8	23.4	15.3	9.9	8.1	5.7	6.6	5.6
3	11.8	28.5	16.5	35.2	20.6	23.4	14.6	9.7	8.0	6.4	6.3	6.5
4	11.6	29.5	14.8	34.9	19.7	23.4	14.6	9.5	7.8	6.9	6.2	7.5
5	11.5	30.2	13.6	34.6	19.4	23.2	14.8	9.3	8.0	6.7	6.1	8.2
6	11.4	31.0	13.1	33.8	19.1	22.8	15.1	9.2	8.1	6.7	6.2	8.8
7	11.3	31.6	13.3	32.5	18.7	22.2	15.6	9.1	8.2	6.9	6.2	9.0
8	11.4	32.1	13.3	30.7	18.8	21.4	15.8	9.7	8.3	7.7	6.5	9.1
9	11.6	32.5	14.1	29.3	19.1	20.6	16.4	10.5	8.4	8.5	6.6	9.5
10	11.9	32.8	15.6	27.8	19.2	19.9	16.9	10.9	8.5	8.7	6.7	10.6
11	12.3	33.2	17.1	26.7	19.1	19.2	17.1	11.6	8.6	8.4	7.0	12.0
12	12.7	33.5	19.6	25.8	18.8	18.3	16.9	12.3	8.5	7.9	7.1	14.0
13	13.0	33.7	21.7	25.5	18.4	17.6	16.5	13.0	8.4	7.4	7.1	16.5
14	13.0	34.0	24.0	25.2	17.6	17.4	16.5	13.4	8.3	7.3	7.2	18.3
15	12.8	34.0	26.3	25.1	17.3	18.1	16.2	13.7	8.1	7.4	7.2	19.9
16	12.5	34.1	28.3	25.1	17.3	19.6	15.7	14.0	7.9	7.5	7.2	21.8
17	12.2	34.1	29.8	25.7	18.4	21.1	15.2	14.6	7.5	7.6	7.3	23.5
18	12.0	34.0	31.2	26.4	20.3	22.2	14.8	15.4	7.1	7.7	7.3	24.9
19	11.6	33.5	32.0	27.1	22.2	23.0	14.2	15.8	6.7	8.1	7.2	25.8
20	11.4	33.1	33.0	27.7	23.3	23.7	14.1	16.6	6.3	8.5	7.0	26.4
21	11.3	32.4	33.7	28.2	24.1	24.2	14.2	17.3	6.2	8.8	6.6	26.7
22	11.9	31.6	34.4	28.3	24.8	24.3	14.3	17.8	6.2	8.8	6.3	27.1
23	12.6	30.6	35.2	28.4	25.3	24.0	14.3	18.0	6.3	8.9	6.0	27.2
24	14.5	29.5	35.6	28.3	25.7	23.4	14.1	17.8	6.3	8.9	5.8	27.3
25	16.3	28.2	36.0	28.1	25.9	22.5	13.6	17.3	6.2	8.8	5.6	27.7
26	18.0	26.7	36.2	27.5	25.9	21.4	13.0	16.3	5.8	8.6	5.3	28.2
27	19.9	24.7	**36.3**	26.8	25.8	20.4	12.3	14.8	5.6	8.5	5.2	28.4
28	21.9	22.2	36.2	26.3	25.4	19.5	11.7	13.3	5.4	8.3	5.1	28.7
29	23.2		36.2	25.5	24.9	18.4	11.2	11.8	***4.6**	8.0	5.2	28.8
30	24.5		36.1	24.5	24.4	17.2	10.8	10.5	5.3	7.7	5.2	28.8
31	25.5		35.9		23.9		10.5	9.5		7.3		28.8

* 4 p. m.

Mississippi River.—Mhoon Landing, Miss., 1923.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	15.1	29.4	25.5	39.8	27.5	27.8	18.8	10.6	8.8	**3.0**	6.1	3.7
2	13.4	30.2	22.5	39.6	26.0	27.5	17.3	10.3	8.0	3.2	5.8	3.8
3	12.3	31.5	20.0	39.6	24.9	27.4	16.3	10.0	7.6	4.0	5.4	4.8
4	11.6	32.6	17.5	39.4	23.6	27.3	15.7	9.5	7.3	4.6	5.0	5.8
5	11.4	33.7	16.0	39.3	22.9	27.0	15.8	9.5	7.5	5.0	4.8	7.0
6	11.4	34.5	15.0	38.9	22.2	26.7	16.4	8.8	7.6	5.5	4.6	8.0
7	11.2	35.0	14.8	38.2	21.7	26.1	17.0	8.9	7.7	5.7	4.7	8.3
8	11.2	35.5	14.7	37.0	21.5	25.2	17.5	9.5	8.0	6.2	5.2	8.5
9	11.3	36.0	15.0	35.8	21.5	24.4	17.8	10.5	8.1	7.4	5.5	8.8
10	11.7	36.8	16.2	34.3	21.8	23.3	18.4	11.0	8.1	8.0	5.6	9.6
11	12.2	37.2	19.0	32.9	21.7	22.4	18.9	11.8	8.2	7.9	6.0	11.0
12	12.8	37.5	21.3	31.6	21.6	21.5	18.8	12.6	8.2	7.4	6.2	12.8
13	13.2	37.7	23.5	30.8	21.4	20.5	18.5	13.3	8.1	6.8	6.2	15.5
14	13.2	38.0	26.5	30.2	20.7	19.6	18.4	13.8	7.9	6.4	6.2	18.8
15	13.4	38.2	29.0	29.7	20.3	19.7	18.2	14.3	7.7	6.4	6.2	21.0
16	13.1	38.2	31.2	29.6	19.8	21.4	17.7	14.7	7.6	6.5	6.3	23.5
17	12.7	38.3	33.0	29.8	20.2	23.1	17.2	15.9	7.2	6.7	6.5	25.4
18	12.2	38.3	34.3	30.3	22.1	24.8	16.1	17.5	6.5	6.9	6.5	27.1
19	11.9	38.2	35.5	31.0	24.5	26.2	15.9	18.2	5.9	7.0	6.5	28.4
20	11.5	38.0	36.5	31.7	26.3	26.9	15.4	18.8	5.4	7.4	6.3	29.2
21	11.5	37.6	37.3	32.4	27.5	27.7	15.2	19.3	5.0	7.9	5.7	29.8
22	11.8	37.0	38.0	32.7	28.4	28.1	15.3	19.8	4.9	8.2	4.8	30.3
23	12.4	36.5	38.8	32.8	29.1	28.1	15.5	19.9	5.0	8.1	4.4	30.8
24	13.7	35.4	39.2	33.0	29.6	27.6	15.4	19.8	5.0	8.3	4.1	31.0
25	16.7	34.5	39.5	32.9	30.1	26.7	15.0	19.2	4.8	8.3	3.8	31.2
26	19.6	32.6	39.8	32.6	30.2	25.6	14.3	17.8	4.6	8.1	3.2	31.5
27	21.0	30.6	**40.0**	31.8	30.2	24.6	13.5	16.8	4.2	7.9	**3.0**	31.9
28	23.0	28.5	**40.0**	31.3	30.0	23.2	12.6	14.9	3.7	7.7	3.5	32.3
29	25.2		**40.0**	30.6	29.5	22.1	12.2	13.2	3.3	7.5	3.7	32.6
30	26.8		**40.0**	29.1	28.9	20.3	11.4	11.2	3.1	7.1	3.7	32.8
31	28.2		**40.0**		28.3		10.8	9.9		6.7		32.9

Mississippi River.—Memphis, Tenn., 1922.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	26.7	19.9	24.6	**42.5**	42.3	21.2	15.3	13.4	6.2	3.3	2.0	3.9
2	27.5	20.3	25.3	**42.5**	42.1	21.6	14.9	12.8	7.1	3.0	2.1	3.7
3	28.1	20.6	26.0	42.3	42.0	21.7	14.6	12.2	7.9	3.0	2.0	3.5
4	28.6	20.9	27.0	41.7	41.8	21.5	14.5	11.7	8.4	2.9	2.0	3.4
5	28.9	20.7	27.8	41.5	41.4	21.1	14.6	10.7	8.6	2.8	1.9	3.4
6	29.1	19.4	28.3	41.2	41.0	20.4	14.8	10.0	8.3	2.7	1.7	3.5
7	29.1	18.1	28.8	41.0	40.6	19.8	15.0	9.6	7.9	2.7	1.7	3.7
8	28.8	16.9	29.1	40.8	40.2	19.4	15.1	9.8	7.3	2.7	1.7	3.8
9	28.3	15.9	29.4	40.7	39.5	19.0	15.2	10.1	6.6	2.6	1.6	4.0
10	27.4	15.2	30.2	40.5	38.5	18.7	15.5	10.2	6.1	2.5	**1.5**	4.6
11	26.4	14.6	30.9	40.4	37.5	18.3	15.8	9.8	6.2	2.6	**1.5**	5.1
12	24.6	13.9	31.5	40.4	36.5	17.8	16.1	9.2	7.0	2.7	**1.5**	5.9
13	22.9	13.4	31.9	40.3	35.4	17.6	16.4	8.6	7.5	2.9	1.7	7.1
14	21.2	12.8	32.3	40.3	34.1	17.6	16.5	7.8	7.4	3.0	2.0	8.5
15	20.3	12.4	32.5	40.4	32.9	17.6	16.2	7.5	7.0	2.9	2.2	9.7
16	19.9	12.0	32.8	40.5	31.6	17.4	15.7	7.4	6.5	2.7	2.3	10.3
17	19.9	11.7	33.3	40.7	30.2	17.1	15.5	7.4	6.0	2.6	2.3	10.5
18	20.1	11.5	33.7	40.9	28.9	16.9	16.4	7.6	5.8	2.5	2.5	10.7
19	20.2	11.5	34.6	41.1	27.2	16.6	17.6	7.5	5.3	2.5	2.6	10.9
20	20.2	12.5	35.5	41.1	25.5	16.2	18.0	7.3	5.0	2.7	3.0	11.5
21	19.9	13.8	36.3	41.1	24.1	16.0	17.5	6.8	4.9	2.5	4.2	12.2
22	19.5	15.3	37.5	41.1	22.6	16.3	16.9	6.6	4.7	2.5	5.2	13.1
23	18.8	17.3	38.6	41.2	21.6	16.7	16.6	6.5	4.5	2.4	6.1	13.9
24	18.4	19.0	39.6	41.3	20.8	16.8	16.4	6.3	4.2	2.4	6.3	15.0
25	18.2	20.7	40.3	41.5	20.3	16.9	16.3	6.2	4.0	2.4	6.2	16.2
26	18.2	22.1	40.8	41.7	19.8	16.9	16.0	6.0	3.9	2.4	6.0	17.4
27	18.2	23.2	41.4	41.9	19.2	16.7	15.6	5.8	3.9	2.4	5.6	18.5
28	18.3	24.0	41.9	42.1	18.8	16.4	15.2	5.7	3.9	2.4	5.1	18.5
29	18.4		42.2	42.3	19.4	16.0	15.0	5.6	3.8	2.3	4.6	17.8
30	18.8		42.4	42.3	20.0	15.7	14.6	5.3	3.6	2.2	4.3	16.5
31	19.4		42.4		20.6		14.1	5.6		2.1		15.1

Mississippi River.—Mhoon Landing, Miss., 1922.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	29.7	22.0	27.5	44.8	**45.1**	23.0	15.6	13.7	2.8	—1.1	—3.6	0.1
2	30.7	22.7	28.4	44.9	**45.1**	23.6	15.0	13.0	3.9	—1.6	—3.6	—0.2
3	31.5	23.1	29.3	44.8	45.0	23.9	14.6	12.4	5.2	—1.9	—3.6	—0.4
4	32.2	23.5	30.1	44.7	44.9	24.0	14.5	11.4	6.1	—2.1	—3.6	—0.7
5	32.7	23.5	31.1	44.5	44.7	23.6	14.5	10.2	6.6	—2.2	—4.0	—0.8
6	33.0	22.8	31.8	44.3	44.4	23.0	14.6	9.4	6.6	—2.3	—4.2	—0.8
7	33.2	21.3	32.5	44.1	44.1	22.0	14.8	8.5	6.2	—2.4	—4.2	—0.8
8	33.2	20.0	33.0	43.9	43.6	21.5	15.0	8.5	5.5	—2.6	—4.3	—0.4
9	32.8	18.5	33.6	43.9	43.1	21.0	15.3	8.8	4.5	—2.8	**—4.4**	0.1
10	32.2	17.2	34.2	43.7	42.5	20.6	15.7	8.9	3.5	—3.0	**—4.4**	0.6
11	31.4	16.4	34.7	43.6	41.8	20.2	16.0	8.8	3.0	—3.0	**—4.4**	1.3
12	30.0	15.4	35.3	43.4	41.2	19.5	16.3	8.2	3.7	—3.0	**—4.4**	2.1
13	27.9	14.9	35.8	43.3	40.4	19.1	17.1	7.3	4.7	—2.7	**—4.4**	3.2
14	25.9	14.0	36.2	43.3	39.5	18.8	17.5	6.3	4.9	—2.4	—4.0	5.6
15	24.2	13.4	36.5	43.3	38.5	18.8	17.3	5.4	4.7	—2.4	—3.5	7.4
16	23.3	13.0	36.9	43.4	37.5	18.7	16.8	5.2	3.9	—2.5	—3.4	8.6
17	22.9	12.5	37.2	43.6	36.4	18.4	16.2	5.2	3.3	—2.9	—3.4	9.3
18	22.9	12.5	37.5	43.7	35.0	18.0	16.7	5.2	2.7	—3.1	—3.3	9.6
19	22.8	12.0	38.0	43.9	33.5	17.5	17.7	5.4	1.9	—3.0	—3.0	9.8
20	22.9	12.2	38.8	43.9	31.6	17.1	18.8	5.1	1.4	—3.0	—2.6	10.3
21	22.8	13.6	39.4	44.0	29.6	16.9	19.3	4.7	1.2	—3.1	—1.7	10.9
22	22.6	15.3	40.0	44.0	27.5	16.8	18.5	4.1	0.9	—3.1	0.3	12.1
23	21.8	17.7	40.7	44.0	26.0	17.3	17.9	3.8	0.5	—3.2	1.9	13.3
24	21.1	20.0	41.8	44.0	24.5	17.7	17.6	3.5	0.2	—3.3	2.7	14.6
25	20.6	22.0	42.4	44.2	23.5	17.8	17.4	3.3	—0.1	—3.2	2.9	16.0
26	20.4	23.8	42.9	44.4	22.5	17.8	17.2	3.2	—0.3	—3.2	2.7	17.5
27	20.3	25.5	43.4	44.5	21.5	17.7	16.7	2.8	—0.3	—3.2	2.5	19.0
28	20.4	26.6	43.8	44.7	20.7	17.5	16.0	2.5	—0.6	—3.2	1.9	19.9
29	20.5		44.2	44.9	20.7	17.0	15.5	2.5	—0.7	—3.3	1.5	19.3
30	20.9		44.3	45.0	21.3	16.4	14.8	2.3	—0.9	—3.4	0.7	18.1
31	21.3		44.5		22.0		14.2	2.1		—3.6		16.5

Mississippi River.—Memphis, Tenn., 1921.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	14.7	13.8	21.7	26.7	28.2	11.9	15.5	9.6	10.6	16.5	3.4	24.1
2	14.4	14.5	20.9	27.7	28.0	11.6	16.1	9.0	9.6	16.7	**3.35**	24.2
3	14.1	15.6	20.3	28.4	27.6	11.9	16.8	8.4	8.7	16.8	3.4	24.3
4	13.9	17.0	19.8	29.0	27.1	12.3	17.5	7.9	7.9	16.6	3.5	24.5
5	13.9	18.1	19.4	29.3	26.6	12.7	17.8	7.4	6.9	16.1	3.7	25.2
6	14.0	18.6	19.1	29.5	26.0	13.4	17.6	7.1	6.4	15.3	4.3	25.7
7	13.8	18.8	18.5	29.6	25.3	14.1	17.3	6.9	6.0	14.4	5.2	26.2
8	13.6	19.3	17.9	**29.9**	24.6	14.5	17.1	7.0	5.6	13.6	6.3	26.7
9	13.2	19.5	18.0	29.7	23.6	14.4	16.9	7.6	5.6	12.7	7.7	27.0
10	12.6	20.2	18.0	29.3	22.9	14.3	16.5	8.7	7.2	11.8	8.9	27.4
11	12.0	21.2	18.4	29.0	22.1	14.8	15.7	9.3	8.9	11.3	9.6	27.7
12	11.3	22.1	19.9	28.7	21.7	15.3	14.8	9.7	10.1	10.5	10.2	27.9
13	10.8	23.2	21.9	27.9	21.5	15.5	14.1	9.9	10.3	9.8	10.5	27.7
14	10.6	24.2	23.8	27.6	22.3	15.6	13.4	9.8	10.2	9.1	11.0	27.3
15	11.0	25.2	25.5	26.3	23.8	15.7	12.6	10.0	9.8	8.7	11.0	26.5
16	11.6	26.0	26.7	25.5	25.1	15.6	11.6	10.2	9.3	8.3	10.9	25.1
17	12.5	26.6	27.3	24.5	25.8	15.1	10.6	10.6	8.9	8.0	10.6	22.3
18	13.6	27.1	27.7	23.5	26.0	14.2	9.8	11.0	8.7	7.6	10.3	20.9
19	14.6	27.4	27.8	23.0	25.7	13.6	9.3	11.6	9.0	7.1	10.0	18.8
20	15.3	27.8	27.6	22.8	24.7	12.7	9.1	12.1	10.5	6.7	9.9	17.0
21	15.8	27.7	27.3	23.9	23.4	12.4	8.9	12.3	12.3	6.2	11.1	15.3
22	16.1	27.1	26.8	25.5	21.7	12.1	8.9	12.3	12.5	5.8	14.1	14.5
23	16.2	26.7	26.2	26.7	20.6	11.8	8.9	12.2	12.5	5.4	17.3	13.4
24	16.1	26.0	25.2	27.4	19.5	11.6	9.0	12.2	12.2	5.0	20.3	13.4
25	16.0	24.7	24.4	28.0	18.3	11.7	9.1	12.3	12.3	4.8	22.2	13.7
26	15.5	24.5	23.5	28.4	17.3	12.2	9.4	12.4	12.8	4.6	23.2	15.0
27	15.1	23.8	23.0	28.8	15.9	13.3	9.6	12.5	14.0	4.4	23.6	17.4
28	14.4	22.6	23.3	28.8	14.8	14.0	9.8	12.5	14.8	4.3	23.8	20.3
29	14.0		23.5	28.7	13.9	14.5	10.0	12.3	15.6	4.1	23.8	22.8
30	13.7		24.1	28.5	13.1	15.0	10.1	11.8	16.2	3.9	24.0	24.7
31	13.6		25.7		12.4		9.9	11.2		3.7		25.0

Mississippi River.—Mhoon Landing, Miss., 1921.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	16.2	14.6	25.8	30.2	33.3	12.4	16.5	8.8	10.6	17.6	0.4	27.2
2	15.8	15.0	25.0	31.4	33.1	12.0	17.0	8.2	9.6	18.4	0.3	27.3
3	15.3	16.0	24.3	32.3	32.8	12.0	17.9	7.2	8.4	18.4	**0.2**	27.4
4	15.0	17.6	23.5	33.0	32.5	11.8	18.9	6.3	6.8	18.4	**0.2**	27.8
5	14.9	19.0	22.8	33.6	31.7	11.6	19.5	5.7	5.5	17.8	0.4	28.3
6	14.9	20.5	22.2	34.0	31.0	12.3	19.5	5.1	4.4	17.2	1.0	28.8
7	14.7	21.0	21.6	34.3	30.4	14.3	19.5	4.8	4.0	16.0	1.8	29.3
8	14.5	21.6	21.0	34.7	29.6	15.2	19.3	4.5	3.5	14.8	3.2	29.8
9	14.0	21.8	20.6	**34.75**	28.6	15.4	18.9	4.7	3.0	13.5	4.8	30.3
10	13.3	22.5	20.7	34.6	27.6	15.5	18.5	5.9	3.4	12.4	6.6	31.0
11	12.3	23.5	20.9	34.2	26.2	15.7	17.5	7.1	6.0	11.5	7.7	31.3
12	11.5	24.6	21.8	33.8	25.0	16.3	16.7	8.5	8.2	10.6	8.8	31.5
13	10.8	25.7	24.0	33.4	25.1	16.8	15.5	8.8	9.4	9.6	9.7	31.7
14	10.3	27.2	26.2	33.0	25.3	16.9	14.6	8.9	9.5	8.7	10.3	31.5
15	10.0	28.4	28.3	31.0	26.6	17.0	13.2	9.1	9.2	7.8	10.6	31.0
16	10.2	29.4	30.0	30.5	28.1	17.2	12.2	9.4	8.5	7.3	10.7	30.0
17	11.8	30.3	31.0	29.9	29.2	16.8	10.9	9.8	7.8	6.7	10.6	28.5
18	13.3	31.0	31.7	28.8	30.0	15.8	9.7	10.4	7.5	6.2	10.2	25.8
19	14.8	31.5	32.0	27.7	29.9	14.7	8.5	10.9	7.5	5.6	9.8	23.4
20	16.0	31.9	32.1	27.0	29.4	13.8	7.9	11.7	8.4	5.2	9.4	19.8
21	16.7	31.9	32.0	27.3	28.2	13.3	7.1	12.4	10.8	4.7	10.5	18.5
22	17.3	31.7	31.5	29.0	26.6	12.9	6.9	12.7	12.5	3.7	12.5	17.0
23	17.6	31.4	31.2	30.5	25.0	12.6	6.9	12.6	12.8	3.1	17.0	15.4
24	17.7	31.0	30.0	31.5	23.0	11.9	6.9	12.3	12.6	2.6	20.7	14.5
25	17.6	30.2	29.2	32.3	21.2	11.7	7.2	12.3	12.4	2.0	23.6	14.3
26	17.5	29.0	28.2	32.8	18.8	12.0	7.7	12.6	12.8	1.6	25.4	15.3
27	16.9	28.3	27.2	33.3	17.2	13.0	8.1	12.7	14.0	1.3	26.3	17.7
28	16.4	27.2	27.0	33.9	16.4	14.0	8.4	12.8	15.0	1.1	26.6	21.0
29	15.4		27.3	34.2	15.0	14.7	8.6	12.5	16.0	0.9	26.9	24.2
30	15.0		27.6	33.7	13.8	15.3	8.8	12.4	17.0	0.8	27.0	26.7
31	14.6		29.0		13.0		8.9	11.5		0.6		28.5

Mississippi River.—Memphis, Tenn., 1920.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	18.6	28.5	21.7	38.4	36.2	29.1	19.4	15.7	14.6	8.8	5.3	7.1
2	16.2	29.0	22.3	39.1	36.6	27.8	19.7	14.8	14.2	8.5	5.6	7.8
3	14.2	29.5	22.7	39.8	37.2	27.1	19.7	14.4	13.8	8.3	5.8	8.5
4	12.6	30.0	22.9	40.2	37.6	26.1	19.7	13.8	13.3	8.4	5.7	9.1
5	11.9	30.2	22.3	**40.3**	38.3	25.6	19.6	13.2	13.1	8.7	5.6	9.6
6	11.1	30.3	21.2	40.2	38.5	25.4	19.6	12.8	12.7	8.9	5.5	9.9
7	10.4	30.1	20.2	40.1	38.7	25.3	19.6	12.4	12.6	8.5	5.4	10.2
8	9.9	29.9	19.2	39.9	38.5	25.5	19.5	12.1	12.5	7.7	5.3	10.4
9	10.4	28.1	18.4	39.7	38.2	25.8	19.3	11.8	12.6	6.9	5.2	10.8
10	11.7	26.4	17.9	39.3	37.9	26.1	19.0	11.4	12.2	6.2	5.1	10.9
11	14.0	24.3	17.8	38.9	37.4	26.2	18.9	11.0	11.9	5.9	5.1	10.8
12	16.9	22.5	17.9	38.7	36.4	26.1	18.9	10.8	11.7	5.7	5.0	10.8
13	19.2	21.4	18.2	38.4	35.5	25.8	19.2	10.7	11.8	5.6	4.9	10.8
14	21.1	20.4	19.1	38.2	33.9	25.4	19.4	10.6	12.0	5.5	4.9	10.8
15	22.7	19.5	20.7	38.0	31.7	24.9	19.6	10.7	12.2	5.5	4.9	11.0
16	23.9	18.7	23.0	38.0	29.9	24.1	19.5	11.2	12.2	5.4	5.0	11.3
17	24.5	18.3	25.6	37.8	29.2	23.1	19.2	12.4	12.6	5.3	5.1	11.8
18	25.0	17.5	27.7	37.3	28.8	22.0	18.9	14.0	13.4	5.2	5.1	12.3
19	25.2	16.9	29.2	37.1	28.8	20.9	18.5	15.4	14.4	5.0	5.1	12.7
20	24.9	16.1	30.3	36.7	29.6	19.8	18.4	16.3	15.5	4.8	5.2	13.1
21	24.3	15.4	31.3	36.4	30.2	18.6	18.8	17.2	17.1	4.6	5.3	13.3
22	23.8	14.8	32.4	36.0	30.8	17.5	19.2	17.9	17.7	4.4	5.3	14.2
23	23.1	14.3	33.0	35.5	31.4	16.4	19.3	18.4	17.4	**4.3**	5.2	14.8
24	22.6	14.1	33.5	35.0	31.8	15.6	19.2	18.5	16.2	4.4	5.1	15.3
25	22.7	14.4	34.1	34.8	32.1	15.1	19.0	18.3	14.8	4.6	5.0	15.9
26	23.7	15.3	34.8	34.8	32.4	14.8	18.9	18.1	13.3	4.8	4.9	16.2
27	24.8	16.9	35.3	34.9	32.5	14.9	18.6	17.9	12.0	4.9	4.9	16.4
28	25.8	18.7	35.9	35.3	32.3	15.8	18.3	17.4	10.8	4.9	5.1	16.1
29	26.5	20.4	36.3	35.6	31.9	17.4	17.7	16.5	10.1	4.9	5.5	15.7
30	27.2		37.1	35.9	31.5	18.6	17.1	15.8	9.3	5.0	6.3	15.3
31	27.9		37.6		29.5		16.5	15.1		5.2		15.0

Mississippi River.—Mhoon Landing, Miss., 1920.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	24.7	32.8	21.7	41.0	39.6	35.3	20.6	16.5	15.8	6.0	0.8	3.0
2	22.0	33.5	23.0	41.6	39.8	34.3	21.5	15.2	15.1	5.6	1.0	3.8
3	18.2	34.2	23.8	42.1	40.3	32.9	21.7	14.0	14.4	4.8	1.3	4.9
4	15.2	34.5	24.0	42.5	40.6	31.5	21.8	12.9	13.8	4.9	1.4	5.7
5	13.0	34.8	24.0	42.7	41.2	30.5	21.7	12.2	13.0	5.5	1.3	6.5
6	11.6	35.1	23.3	**42.9**	41.5	29.8	21.7	11.5	12.6	6.0	1.3	7.4
7	10.2	35.1	22.0	**42.9**	41.6	29.5	21.7	11.1	12.3	6.4	1.2	7.8
8	9.4	34.8	20.8	**42.9**	41.7	29.4	21.8	10.7	12.2	6.1	0.9	8.2
9	10.0	34.0	19.4	42.8	41.7	29.5	21.7	10.2	12.3	5.3	0.7	8.7
10	10.7	32.6	18.7	42.6	41.5	29.8	21.2	9.6	12.0	3.6	0.5	9.1
11	12.4	30.5	18.2	42.3	41.2	30.0	20.8	9.0	11.0	3.0	0.5	9.3
12	15.9	28.5	18.0	42.2	40.8	30.1	20.7	8.4	10.9	2.0	0.4	9.3
13	19.2	26.5	18.2	41.9	40.3	30.0	20.8	8.2	11.0	1.6	0.4	9.3
14	22.2	24.7	18.8	41.7	39.2	29.5	21.3	7.9	11.2	1.3	0.3	9.3
15	24.4	23.3	20.5	41.5	38.0	29.0	21.7	7.7	11.7	1.1	0.3	9.6
16	26.5	21.5	22.8	41.4	36.7	28.3	21.8	8.0	11.8	1.1	0.3	10.0
17	27.9	20.3	27.8	41.3	35.5	27.3	21.6	9.7	11.9	1.2	0.3	10.5
18	28.6	19.3	30.4	41.2	35.0	26.1	21.2	12.0	12.5	1.0	0.5	11.4
19	28.8	18.5	32.5	40.9	34.5	24.5	20.7	14.1	14.0	0.7	0.6	12.2
20	28.9	17.5	34.0	40.7	34.5	23.3	20.3	15.8	15.4	0.3	0.7	12.6
21	28.7	16.5	34.9	40.4	35.0	22.0	20.3	17.7	17.3	—0.1	0.7	13.1
22	28.4	15.5	36.0	40.1	35.5	20.3	20.6	18.8	18.8	—0.5	0.8	14.1
23	27.8	14.7	36.4	39.8	35.9	18.7	21.0	19.5	19.0	—0.8	0.8	15.3
24	27.0	14.4	37.0	39.4	36.3	17.1	21.3	20.0	18.2	**—0.9**	0.8	16.1
25	26.5	13.9	37.7	39.2	36.6	15.7	21.2	20.2	16.8	—0.6	0.9	16.7
26	27.0	14.5	38.2	39.0	36.8	15.2	21.1	19.9	14.8	—0.6	0.9	17.3
27	28.0	15.3	38.6	39.0	37.0	14.8	20.7	19.8	12.9	—0.3	1.0	17.8
28	29.3	17.4	39.0	39.0	37.1	15.5	20.2	19.3	10.8	—0.1	1.0	17.7
29	30.4	20.0	39.5	39.2	36.9	17.3	19.5	18.4	9.5	0.1	1.0	17.4
30	31.2		39.9	39.4	36.7	19.1	18.6	17.5	7.0	0.3	1.5	17.0
31	32.2		40.3		36.1		17.6	16.6		0.4		16.5

Mississippi River.—Memphis, Tenn., 1919.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	23.5	18.5	15.4	36.5	22.8	28.8	17.2	12.3	6.2	4.9	19.9	19.7
2	23.8	18.8	16.5	35.8	22.7	29.1	18.2	11.9	6.3	5.2	22.4	22.4
3	24.4	19.0	17.4	35.2	22.8	29.1	18.6	11.5	6.6	5.5	24.0	25.0
4	25.1	18.9	17.8	34.0	22.8	29.1	18.6	11.0	6.8	5.9	25.3	26.1
5	25.9	18.6	18.4	33.2	22.8	28.5	18.6	10.7	7.3	6.2	26.3	28.2
6	26.8	17.8	18.6	32.3	22.8	27.8	18.8	10.2	7.9	6.4	27.1	29.2
7	27.3	17.4	18.4	30.8	22.9	26.9	19.0	9.7	8.2	6.3	27.8	29.8
8	27.9	16.1	18.4	28.7	23.2	26.3	18.9	9.3	7.8	6.0	28.1	30.2
9	28.4	15.3	18.4	26.6	23.6	26.2	18.4	8.9	7.2	5.9	28.5	30.4
10	28.9	14.3	18.9	25.0	24.0	26.2	17.6	8.3	6.5	6.2	29.1	30.4
11	29.4	13.5	19.6	23.4	25.1	26.0	16.8	7.9	5.9	6.7	29.4	29.9
12	30.0	12.8	20.9	22.4	26.7	25.5	16.0	7.6	5.6	7.1	29.7	29.6
13	30.2	12.1	22.2	21.7	28.1	24.7	15.0	7.4	5.4	7.3	29.8	29.6
14	30.6	11.5	23.3	21.3	29.1	24.0	14.3	7.3	5.2	7.6	29.7	29.8
15	30.8	10.9	24.3	21.3	29.7	23.3	13.8	7.3	5.0	7.9	29.5	29.8
16	31.0	10.3	25.1	21.7	30.4	22.2	13.4	7.5	4.8	8.2	29.2	30.0
17	31.1	9.9	26.8	22.3	30.9	21.3	13.0	7.6	4.5	8.4	28.8	30.4
18	30.3	9.5	28.7	23.3	31.3	20.4	12.6	7.8	4.2	8.8	28.0	30.8
19	28.5	9.3	30.2	24.2	31.5	19.9	12.3	7.9	3.9	9.7	26.7	31.1
20	26.4	9.4	31.2	24.9	31.5	19.5	12.0	8.0	3.6	10.8	24.9	31.4
21	23.5	9.8	31.8	25.1	31.5	19.3	11.8	8.0	**3.4**	11.9	23.3	31.7
22	20.6	10.3	32.8	25.2	31.1	19.0	11.5	7.8	**3.4**	12.8	21.4	31.9
23	19.2	10.9	33.5	25.3	30.9	18.3	11.3	7.6	3.5	13.4	19.3	31.9
24	17.4	11.7	34.5	25.3	30.7	17.8	11.2	7.3	3.7	14.1	17.6	31.8
25	16.6	12.3	35.3	25.2	30.4	17.2	11.3	7.0	3.8	14.7	16.2	31.7
26	16.4	13.0	35.9	25.1	30.1	16.6	11.6	6.8	4.3	15.2	15.2	31.4
27	16.6	13.6	36.6	24.9	29.6	16.3	12.1	6.6	4.7	15.6	14.6	30.6
28	16.7	14.5	37.0	24.6	29.3	16.2	12.7	6.4	4.8	16.0	14.0	29.2
29	17.1		**37.3**	23.8	28.8	16.3	12.9	6.3	4.7	16.2	15.8	27.2
30	17.6		37.0	23.4	28.6	16.5	12.8	6.2	4.6	16.8	17.8	24.7
31	18.0		36.7		28.7		12.7	6.2		17.8		22.3

Mississippi River.—Mhoon Landing, Miss., 1919.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	26.0	20.0	15.6	40.1	25.6	33.5	19.7	12.6	2.8	—0.8	20.5	20.8
2	26.8	20.6	17.0	39.8	25.4	33.6	20.0	12.1	2.8	—0.5	23.5	23.8
3	27.3	20.9	18.0	39.5	25.0	33.8	20.1	11.5	3.0	0.3	26.0	26.5
4	28.0	21.0	18.6	39.0	25.0	33.9	20.1	10.7	3.5	1.0	27.8	29.0
5	29.0	20.7	19.2	38.5	25.1	33.6	20.2	10.0	4.0	1.3	29.2	31.2
6	29.9	20.1	20.4	37.7	25.1	33.0	20.4	9.3	4.8	1.7	30.2	32.5
7	30.6	19.4	20.4	36.7	25.1	32.2	20.8	8.5	5.7	1.9	31.1	33.5
8	31.2	18.4	20.3	35.4	25.5	31.5	20.8	7.8	5.6	1.8	31.6	34.2
9	31.8	17.0	20.4	33.0	26.1	31.0	20.5	7.0	4.8	1.8	32.2	34.8
10	32.6	15.5	20.7	31.0	26.7	30.7	19.7	6.2	3.7	2.4	32.9	35.0
11	33.0	15.1	21.4	29.0	27.6	30.6	18.7	5.4	2.5	3.0	33.4	34.7
12	33.7	13.3	22.6	27.0	29.0	30.2	17.6	4.7	1.7	3.2	33.7	34.6
13	34.2	12.6	24.3	24.5	30.9	29.4	16.6	4.3	1.1	3.6	33.9	34.6
14	34.5	11.8	26.0	23.5	32.3	28.4	15.5	4.1	0.8	4.6	34.0	34.6
15	34.8	11.0	27.5	23.1	33.4	27.4	14.7	3.9	0.6	5.6	34.0	34.6
16	35.1	10.1	28.7	23.1	34.2	26.3	14.0	4.0	0.3	6.1	33.9	34.7
17	35.3	9.2	29.8	23.4	34.7	25.1	13.3	4.4	—0.3	6.4	33.6	34.9
18	35.1	8.7	31.4	24.1	35.2	23.8	12.7	4.6	—0.9	6.7	33.0	35.2
19	34.1	8.2	32.5	25.2	35.4	22.9	12.2	4.6	—1.5	7.6	32.3	35.6
20	31.9	8.1	34.5	26.8	35.7	22.3	11.7	4.8	—2.0	9.2	30.7	35.8
21	29.0	8.3	35.4	27.5	35.8	21.7	11.3	5.2	**—2.5**	10.6	28.7	36.0
22	25.8	8.7	36.3	27.9	35.7	21.1	10.9	5.4	—2.4	12.0	26.5	36.4
23	23.0	9.5	37.1	28.0	35.5	20.3	10.5	5.1	—2.2	13.3	24.0	36.5
24	20.8	10.4	37.7	28.1	35.4	19.5	10.3	4.6	—2.2	14.1	21.5	36.6
25	19.2	11.2	38.4	28.0	35.2	18.9	10.4	4.3	—2.1	14.9	19.5	36.5
26	18.3	12.6	39.0	28.0	35.0	18.3	10.9	3.9	—1.8	15.5	17.7	36.3
27	17.9	13.4	39.5	27.7	34.8	17.8	11.6	3.6	—1.0	16.3	16.7	36.0
28	17.9	14.4	40.0	27.3	34.4	17.7	12.4	3.3	—0.5	16.9	16.0	35.5
29	18.2		40.2	27.0	33.9	18.2	12.8	3.0	—0.5	17.3	16.5	34.7
30	18.8		**40.3**	26.2	33.6	19.0	13.0	2.8	—0.7	17.8	18.6	31.6
31	19.4		**40.3**		33.4		12.9	2.8		18.6		29.0

Mississippi River.—Memphis, Tenn., 1918.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	2.3	14.1	**30.00**	22.0	25.6	21.2	14.3	6.8	7.6	5.4	4.6	9.4
2	1.5	14.4	**30.00**	21.3	25.9	20.6	14.9	7.2	7.7	5.4	4.9	10.0
3	0.8	15.5	29.7	21.2	26.0	20.3	16.0	7.7	7.5	5.3	5.2	10.3
4	0.6	16.4	29.2	21.2	26.0	20.2	16.5	8.0	7.2	5.2	5.4	10.4
5	0.1	20.9	28.7	21.0	25.8	20.6	16.8	8.2	6.9	5.0	7.0	10.6
6	**—0.01**	26.1	28.0	20.9	25.2	21.2	17.2	8.1	6.6	4.8	9.4	10.7
7	0.7	26.7	27.2	20.8	24.3	21.6	17.3	8.0	6.4	4.4	11.6	10.6
8	1.3	24.9	26.5	20.8	23.2	21.7	17.0	8.0	6.8	4.2	13.2	10.2
9	1.8	24.3	25.9	20.8	22.2	21.2	16.6	7.9	8.1	3.9	14.4	9.7
10	2.1	23.8	25.2	20.8	21.2	20.4	16.0	7.8	9.6	3.6	15.3	9.4
11	1.8	24.7	24.6	20.8	20.2	19.7	15.6	7.6	10.9	3.4	15.4	8.9
12	1.2	26.5	24.1	20.8	19.2	19.3	15.2	7.1	11.3	3.3	15.2	8.4
13	0.6	27.5	23.6	21.1	18.6	18.9	14.8	6.6	11.0	3.2	14.4	8.0
14	0.3	28.0	23.1	21.3	19.0	18.7	14.4	6.3	10.6	2.9	13.4	7.9
15	0.2	28.4	22.6	21.5	20.5	18.6	14.1	6.1	10.1	2.6	12.5	8.0
16	0.8	28.8	22.0	21.9	21.8	18.7	13.8	5.9	9.4	2.4	11.9	8.5
17	1.5	28.9	21.5	22.2	22.6	18.6	13.5	5.8	8.6	2.2	11.6	10.1
18	2.3	28.7	21.2	22.3	23.5	18.4	13.1	5.7	8.1	1.9	11.1	11.7
19	2.9	28.6	21.2	22.4	24.4	18.0	12.5	5.5	7.4	1.9	10.7	13.9
20	4.9	28.5	21.4	22.6	25.3	17.7	11.9	5.3	6.9	1.9	9.9	16.2
21	7.3	28.4	22.0	22.8	25.7	17.4	11.2	5.2	6.4	2.1	9.0	18.0
22	8.4	28.6	22.6	23.0	25.9	17.1	10.4	5.1	6.3	2.4	8.6	19.3
23	9.3	28.8	23.4	23.7	25.9	16.7	9.9	4.9	6.0	2.6	8.8	20.3
24	10.3	29.3	23.9	24.3	25.6	16.2	9.2	4.8	5.9	2.7	9.1	21.2
25	9.9	29.6	24.4	24.8	24.9	15.4	8.7	4.8	5.8	3.0	9.4	21.9
26	9.5	29.8	24.7	24.8	24.3	14.6	8.2	4.9	5.8	3.4	9.3	22.0
27	9.9	29.8	25.0	24.5	23.8	13.9	7.9	5.4	5.8	3.9	9.2	22.1
28	10.1	29.8	25.0	24.7	23.4	13.4	7.7	5.9	5.8	4.1	9.1	22.2
29	9.9		24.6	25.1	23.0	13.2	7.4	6.5	5.7	4.2	9.2	22.3
30	10.1	25.7	24.1	25.3	22.5	13.5	7.1	7.0	5.6	4.0	9.3	22.5
31	10.7		23.0	22.3	21.9		6.9	7.4		4.1	10.3	22.7
	4.3		24.8		23.5	18.7	12.8	6.5	7.6	3.5		11.1

Mississippi River.—Mhoon Landing, Miss., 1918.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—2.3	12.0	33.7	24.8	28.7	24.0	13.1	3.9	4.7	2.9	0.5	8.0
2	—3.2	13.3	**33.8**	23.7	29.0	23.2	14.3	4.1	4.5	2.8	1.2	8.4
3	—4.2	14.4	33.7	23.0	29.3	22.5	15.5	4.7	4.3	2.7	1.6	8.8
4	—5.4	15.7	33.5	23.0	29.4	22.1	16.4	5.4	4.0	2.6	1.7	9.1
5	*—**6.2**	18.0	33.2	22.8	29.3	22.3	17.0	5.6	3.7	2.4	2.9	9.4
6	—6.1	24.2	32.6	22.5	28.9	23.0	17.5	5.7	3.5	2.0	6.7	9.6
7	—5.7	29.0	32.0	22.4	28.1	23.7	17.9	5.6	3.5	1.6	8.7	9.7
8	—5.0	28.0	31.1	22.4	27.0	23.9	18.2	5.7	4.2	1.2	11.5	9.6
9	—4.2	27.0	30.3	22.4	25.8	23.6	18.1	5.8	6.1	0.8	13.6	9.3
10	—3.6	26.3	29.5	22.4	24.4	23.0	17.5	5.7	8.6	0.4	14.8	8.8
11	—3.2	27.0	28.5	22.4	23.0	22.4	16.9	5.4	10.0	0.0	15.5	8.4
12	—3.8	28.7	27.7	22.4	21.5	21.5	16.1	4.9	10.4	—0.4	15.5	8.0
13	—4.2	30.0	27.0	22.4	20.4	20.7	15.2	4.2	10.2	—0.7	14.8	7.6
14	—4.5	30.7	26.3	22.8	19.8	20.1	14.4	3.5	9.9	—1.0	14.0	7.4
15	—4.7	31.4	25.5	23.2	21.1	19.9	14.0	2.9	9.5	—1.3	12.8	7.3
16	—4.6	32.0	24.5	23.5	23.0	20.0	13.7	2.6	8.8	—1.8	11.9	7.3
17	—4.0	32.4	23.8	23.9	24.2	20.0	13.2	2.4	7.9	—2.2	11.0	8.5
18	—3.5	32.5	23.3	24.1	25.4	19.7	12.6	2.3	6.8	—2.4	10.4	10.0
19	—2.6	32.3	23.0	24.3	26.8	19.1	11.9	2.2	5.9	—2.5	9.9	12.3
20	—1.8	32.3	23.0	24.5	27.9	18.8	11.1	2.0	5.6	—2.5	9.0	15.4
21	1.0	32.3	23.5	24.7	28.6	18.3	10.2	1.7	4.9	—2.4	8.0	18.0
22	3.0	32.3	24.1	24.8	29.1	17.9	9.2	1.3	4.3	—2.2	7.4	20.0
23	4.2	32.4	25.0	25.5	29.2	17.3	8.4	1.1	3.7	—2.0	7.2	21.5
24	5.5	32.7	26.3	26.8	29.0	16.6	7.6	1.1	3.5	—1.7	7.4	22.7
25	6.4	33.0	26.9	27.5	28.6	15.7	6.8	1.1	3.5	—1.5	7.7	23.7
26	7.0	33.4	27.4	27.8	28.0	14.8	6.2	1.4	3.7	—1.1	7.7	24.2
27	7.5	33.6	27.7	27.7	27.4	13.7	5.7	1.7	4.0	—0.3	7.7	24.5
28	8.4	33.7	27.9	27.8	26.9	12.8	5.2	2.1	3.9	0.0	7.7	24.6
29	8.4		27.9	28.1	26.4	12.3	4.8	2.9	3.5	0.1	7.8	24.8
30	8.2		27.3	28.4	25.8	12.5	4.6	3.7	3.1	0.0	7.9	25.0
31	8.6		26.4		25.0		4.2	4.4		0.0		25.3

* 4 p. m.

Mississippi River.—Memphis, Tenn., 1917.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	11.7	27.0	20.1	38.6	23.3	17.2	23.2	19.7	9.1	4.6	7.9	4.7
2	15.1	27.4	21.4	38.8	23.0	18.5	22.0	19.3	8.9	4.5	8.2	4.7
3	17.9	27.6	22.7	38.9	23.2	21.2	20.9	18.6	8.6	5.1	8.3	4.7
4	19.4	27.6	23.8	39.2	23.7	23.3	19.9	17.9	8.4	5.7	8.4	4.7
5	20.7	27.5	24.6	39.4	24.2	25.2	19.4	17.4	8.2	6.1	8.9	4.6
6	21.9	26.9	25.5	39.6	24.6	26.7	19.3	16.8	8.0	6.2	9.5	4.4
7	23.4	26.0	26.2	39.8	25.1	28.0	19.3	15.9	7.9	6.1	10.4	4.3
8	24.7	24.9	26.9	40.0	25.3	28.8	19.3	15.0	7.8	5.9	11.2	4.1
9	25.9	23.6	27.6	40.3	25.4	29.8	19.5	14.2	7.8	5.7	11.9	4.0
10	26.7	22.0	28.2	**40.38**	25.4	30.4	19.7	13.5	7.8	5.4	12.4	3.9
11	27.3	20.3	29.0	40.2	25.4	30.8	19.6	12.9	7.8	5.2	12.5	3.7
12	27.7	18.8	29.6	39.9	25.1	31.2	19.4	12.4	7.8	4.9	12.5	3.4
13	28.1	17.5	30.2	39.7	24.5	31.7	19.1	11.9	7.9	4.7	12.3	2.9
14	28.5	16.3	30.8	39.5	24.0	32.1	18.7	11.5	7.9	4.4	11.7	2.5
15	28.9	15.1	31.3	39.3	23.3	32.5	18.3	11.2	7.9	4.2	11.0	2.0
16	29.1	13.9	31.8	38.8	22.5	32.9	18.0	11.0	8.1	4.1	10.3	0.7
17	29.1	12.9	32.3	38.3	21.6	33.3	17.7	10.9	8.5	4.1	9.7	—0.4
18	29.0	12.3	32.8	37.8	20.7	33.7	17.4	10.9	8.6	4.1	8.9	**—0.5**
19	28.3	12.2	33.4	37.2	19.9	34.0	17.1	10.9	8.4	4.0	8.1	—0.2
20	27.3	12.4	34.2	36.4	19.2	34.1	16.9	10.8	8.1	3.7	7.5	0.1
21	25.7	12.4	34.7	35.4	18.7	34.1	16.7	10.6	7.9	3.5	6.8	2.2
22	24.1	12.2	35.2	34.5	18.2	34.1	16.6	10.4	7.6	3.4	6.2	2.4
23	22.2	12.2	35.6	33.2	17.8	34.1	16.6	10.3	7.3	3.4	5.6	2.6
24	20.6	13.0	36.2	31.7	17.4	33.7	17.7	10.3	7.0	3.4	5.2	3.0
25	20.0	14.2	36.8	30.1	17.0	32.8	18.6	10.3	6.6	3.4	4.9	3.1
26	20.3	15.7	37.4	28.6	16.6	31.8	19.3	10.2	6.2	3.4	4.8	3.5
27	21.4	17.2	37.8	27.2	16.4	30.6	19.8	9.9	5.9	3.5	4.6	4.0
28	23.0	18.7	38.1	26.0	16.1	28.8	20.0	9.8	5.5	4.1	4.6	4.3
29	24.4		38.4	24.9	15.9	26.7	20.0	9.8	5.1	4.8	4.6	4.4
30	25.6		88.6	24.1	15.9	24.7	20.0	9.8	4.9	5.0	4.0	8.9
31	26.5		88.0		16.1		20.0	9.0		7.0		9.1

Mississippi River.—Mhoon Landing, Miss., 1917.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	7.7	28.9	20.0	40.9	27.3	16.6	28.0	21.4	7.2	0.7	4.1	0.5
2	12.0	29.5	21.9	41.1	26.4	17.8	25.5	20.9	6.8	0.4	5.0	0.7
3	16.1	30.0	23.6	41.1	26.0	20.9	23.5	20.3	6.3	0.3	5.5	0.8
4	18.8	30.2	25.0	41.3	26.4	24.1	22.0	19.5	6.0	0.8	5.5	0.7
5	20.7	30.2	26.2	41.4	26.7	27.0	21.1	18.5	5.5	1.8	6.2	0.5
6	22.2	29.8	27.0	41.6	27.1	29.0	20.9	17.5	5.3	2.4	6.8	0.3
7	23.8	29.2	28.0	41.8	27.6	30.4	20.9	16.3	5.0	2.5	7.9	0.0
8	25.8	28.2	29.0	42.0	28.0	31.6	20.8	15.3	5.0	2.3	9.2	—0.2
9	27.3	26.8	29.9	42.2	28.3	32.6	20.8	14.2	4.8	2.0	10.2	—0.4
10	28.3	25.0	30.7	**42.32**	28.4	33.3	20.9	13.1	4.7	1.7	10.9	—0.5
11	29.2	23.3	31.5	**42.32**	28.3	34.0	21.0	12.1	4.7	1.4	11.4	—0.6
12	29.8	21.3	32.0	**42.32**	28.2	34.5	20.7	11.2	4.8	1.0	11.5	—0.5
13	30.5	19.5	33.0	42.2	27.7	35.0	20.4	10.6	5.0	0.6	11.4	—0.8
14	31.0	17.8	33.6	42.1	27.2	35.5	19.9	10.3	5.0	0.0	10.9	—1.6
15	31.4	16.1	34.2	41.9	26.5	36.0	19.4	10.0	4.9	—0.1	10.2	—2.6
16	31.7	14.5	34.5	41.7	25.4	36.4	19.0	9.7	5.2	—0.3	9.3	—4.0
17	31.9	13.0	35.2	41.4	24.4	36.8	18.5	9.5	5.8	—0.5	8.3	—5.6
18	31.9	11.9	35.7	41.0	23.2	37.2	18.3	9.5	6.1	—0.6	7.3	—5.8
19	31.6	11.4	36.2	40.6	22.0	37.4	17.8	9.4	6.0	—0.7	6.3	**—6.9**
20	30.8	11.4	36.7	40.1	21.0	37.7	17.5	9.2	5.7	—0.9	5.3	—6.7
21	29.5	11.8	37.3	39.6	20.2	37.8	17.0	8.8	5.3	—1.2	4.2	—5.5
22	27.9	11.4	37.8	38.9	19.7	38.0	16.9	8.7	4.8	—1.4	3.3	—3.4
23	25.6	11.0	38.2	38.0	19.0	37.9	17.2	8.5	4.4	—1.5	2.5	—2.9
24	23.4	11.6	38.6	37.0	18.3	37.8	17.9	8.4	4.1	—1.6	1.8	—2.7
25	22.0	12.8	39.0	36.0	17.8	37.6	19.0	8.5	3.5	—1.8	1.2	—2.3
26	21.4	14.5	39.4	34.5	17.2	37.0	20.1	8.4	3.0	—1.8	0.9	—1.6
27	21.6	16.5	39.8	33.0	16.8	36.2	20.7	8.1	2.4	—1.6	0.6	—1.2
28	23.7	18.3	40.1	31.5	16.5	34.8	21.1	7.9	1.9	—1.0	0.4	—0.6
29	25.4		40.3	29.9	16.2	32.9	21.3	7.9	1.4	—0.5	0.4	—0.3
30	26.9		40.6	28.5	16.0	30.4	21.5	7.8	1.0	1.0	0.4	—0.3
31	28.0		40.8		16.2		21.6	7.5		2.7		—1.1

30 25

Mississippi River.—Memphis, Tenn., 1916.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	33.5	40.2	29.5	24.2	26.9	22.4	27.5	21.2	12.4	6.5	7.2	5.5
2	34.0	40.8	28.8	27.2	26.0	23.8	26.9	19.9	11.6	6.6	7.7	5.5
3	34.4	41.3	28.2	28.9	25.2	25.1	26.1	19.0	10.9	6.7	8.0	5.5
4	34.6	41.7	27.6	29.8	24.6	25.8	25.2	18.2	10.3	6.6	8.1	5.5
5	34.6	42.2	27.2	30.6	24.5	26.4	24.2	17.4	9.8	6.5	7.8	5.5
6	35.0	42.7	27.2	31.5	24.3	26.7	23.1	16.4	9.4	6.4	7.4	5.5
7	35.6	43.1	27.3	32.1	24.5	26.8	22.4	15.5	9.2	6.3	7.0	5.5
8	36.0	43.3	27.5	32.7	25.0	26.3	21.8	14.6	9.0	6.2	6.6	5.6
9	36.3	43.4	27.5	33.1	25.4	26.0	21.2	14.0	8.8	6.1	6.3	6.0
10	36.7	43.3	27.5	33.4	25.6	25.7	20.6	13.6	8.6	6.0	6.1	6.2
11	37.0	43.1	27.4	33.7	25.6	25.6	20.2	13.3	8.4	5.9	5.9	6.6
12	37.5	42.7	27.0	34.0	25.4	26.1	20.1	13.1	8.2	5.7	5.8	7.0
13	37.9	42.3	26.6	34.2	24.9	27.1	20.5	12.9	8.0	5.7	5.6	7.4
14	38.2	41.8	26.4	34.3	24.4	27.6	21.5	12.7	8.0	5.7	5.4	7.6
15	38.5	41.3	26.2	34.3	24.1	27.9	22.4	12.7	7.9	5.7	5.3	7.8
16	38.7	40.7	25.8	34.0	23.8	28.1	23.0	13.0	7.7	5.6	5.2	8.0
17	38.9	40.0	25.4	33.6	23.6	28.3	23.6	13.7	7.5	5.6	5.2	7.9
18	39.2	39.3	25.1	32.9	23.6	28.3	24.3	14.8	7.3	5.5	5.2	7.6
19	39.5	38.6	25.0	32.2	23.7	28.1	24.8	16.3	7.1	5.5	5.2	7.2
20	39.7	37.9	25.2	31.3	24.0	27.6	25.2	17.9	7.0	5.5	5.4	6.7
21	39.8	36.9	25.5	30.4	24.3	27.3	25.3	18.6	6.8	5.4	5.4	6.0
22	40.1	36.1	25.6	29.7	24.6	26.8	25.1	18.8	6.8	5.2	5.4	5.4
23	40.1	35.2	25.6	29.2	24.8	26.3	24.8	18.8	6.8	5.1	5.4	5.0
24	39.7	34.3	25.0	29.0	24.8	26.2	24.2	18.4	6.7	5.1	5.4	4.5
25	39.5	33.3	24.3	29.0	24.7	26.5	23.4	18.0	6.6	5.1	5.4	4.1
26	39.2	32.5	23.8	29.1	24.2	27.1	22.9	17.4	6.5	5.1	5.4	3.6
27	39.0	31.7	23.1	29.2	23.4	27.6	22.7	16.8	6.4	5.1	5.4	3.0
28	39.0	30.9	22.5	29.1	22.7	28.0	23.0	16.0	6.4	5.2	5.4	2.8
29	39.3	30.2	22.2	28.6	22.2	28.1	23.2	15.0	6.4	5.4	5.5	3.7
30	39.6		21.8	28.1	21.8	28.0	22.9	14.1	6.4	5.9	5.5	5.9
31	39.9		22.0		21.7		22.1	13.6		6.5		

Mississippi River.—Mhoon Landing, Miss., 1916.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	34.9	41.7	34.0	24.6	30.8	23.3	30.5	22.8	12.0	3.6	4.0	2.5
2	35.4	42.0	33.2	27.4	29.9	24.5	30.0	21.7	10.9	3.7	4.8	2.4
3	35.9	42.4	32.4	29.7	29.0	26.0	29.3	20.4	10.0	3.8	5.5	2.2
4	36.2	42.8	31.7	31.4	28.0	27.0	28.4	19.2	9.0	3.8	5.8	2.4
5	36.5	43.3	31.0	32.6	27.0	27.9	27.1	18.0	8.4	3.7	5.6	2.5
6	36.8	43.8	30.5	33.7	26.4	28.5	25.8	16.9	8.0	3.5	5.3	2.6
7	37.0	44.2	30.2	34.4	26.5	28.8	24.8	16.0	7.6	3.4	4.8	2.6
8	37.4	44.5	30.2	34.9	26.7	28.6	23.8	14.9	7.3	3.2	4.2	2.7
9	37.8	44.7	30.2	35.5	27.1	28.4	23.0	14.2	7.0	3.1	3.9	2.9
10	38.2	44.83	30.2	36.0	27.5	28.1	22.3	13.5	6.6	3.0	3.5	3.1
11	38.6	44.7	30.2	36.4	27.7	27.9	21.5	12.9	6.4	2.8	3.2	3.7
12	38.9	44.5	29.7	36.7	27.5	27.9	21.1	12.6	6.1	2.7	2.9	4.3
13	39.2	44.4	29.4	36.9	27.2	28.9	21.3	12.3	5.9	2.5	2.7	4.8
14	39.5	44.1	29.0	37.1	26.7	29.7	22.0	12.0	5.7	2.6	2.4	5.2
15	39.8	43.6	28.7	37.2	26.2	30.3	23.0	11.9	5.6	2.6	2.2	5.5
16	40.0	43.2	28.2	37.1	25.8	30.7	23.9	12.1	5.4	2.6	2.0	5.7
17	40.2	42.7	27.7	36.9	25.5	30.9	24.8	12.8	5.2	2.5	2.0	5.6
18	40.4	42.2	27.2	36.5	25.3	31.0	25.5	13.9	4.9	2.4	2.1	5.4
19	40.6	41.7	27.0	36.0	25.4	31.0	26.3	15.6	4.5	2.4	2.2	4.8
20	40.8	41.0	27.2	35.3	25.6	30.7	26.8	17.3	4.3	2.2	2.3	4.2
21	41.1	40.4	27.3	34.7	26.0	30.3	27.1	18.6	4.2	2.1	2.2	3.6
22	41.4	39.7	27.5	33.9	26.3	29.8	27.1	19.0	4.1	1.9	2.2	2.8
23	41.5	39.1	27.4	33.1	26.5	29.1	26.9	19.3	4.1	1.8	2.3	2.1
24	41.4	38.4	26.8	32.7	26.6	28.9	26.3	19.0	4.0	1.8	2.3	1.5
25	41.3	37.7	26.2	32.4	26.5	28.9	25.6	18.6	3.8	1.8	2.2	1.1
26	41.2	36.9	25.7	32.3	26.2	29.3	24.9	17.9	3.7	1.8	2.2	0.4
27	41.1	36.2	25.0	32.3	25.5	29.9	24.5	17.3	3.5	1.8	2.2	—0.1
28	41.0	35.6	24.2	32.2	24.7	30.5	24.4	16.6	3.5	1.9	2.2	0.3
29	41.0	34.8	23.5	31.9	24.0	30.8	24.7	15.5	3.5	2.1	2.4	0.6
30	41.1		22.9	31.5	23.3	30.8	24.5	14.4	3.6	2.5	2.5	1.8
31	41.4		23.2		23.0		23.8	13.2		3.1		4.5

Mississippi River.—Memphis, Tenn., 1915.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	18.6	24.8	26.6	16.7	14.2	23.0	29.1	27.9	28.8	18.3	13.7	22.8
2	19.6	24.6	26.8	16.4	13.7	25.1	28.9	27.4	27.5	17.8	13.4	22.2
3	20.3	26.0	26.8	16.3	13.2	26.8	28.6	26.6	26.2	17.6	13.1	21.4
4	20.7	27.6	26.6	16.3	12.8	28.0	28.2	25.7	25.0	17.6	12.7	20.5
5	21.0	29.0	26.2	16.4	12.5	29.0	27.7	24.8	23.6	18.0	12.4	19.8
6	21.2	30.2	25.7	16.4	12.4	29.7	27.2	24.2	22.4	18.8	12.1	18.8
7	21.4	31.2	25.1	16.3	12.9	30.3	26.4	24.0	21.1	19.7	11.5	17.8
8	21.2	32.1	24.5	16.2	13.1	30.8	25.8	24.1	19.9	20.6	11.1	16.8
9	20.9	32.7	24.2	16.1	13.4	31.0	25.4	24.3	18.8	21.7	10.6	16.0
10	20.0	33.3	24.0	15.9	13.7	31.1	25.2	24.6	17.8	22.8	10.3	15.3
11	18.9	33.9	23.7	15.6	14.1	31.1	25.1	24.7	17.1	23.8	9.9	14.7
12	17.6	34.5	23.4	15.3	14.4	31.0	25.0	24.7	16.7	24.2	9.8	14.2
13	16.6	34.9	23.4	15.0	14.8	30.8	24.8	24.6	16.6	24.1	9.5	13.9
14	16.2	35.3	23.0	14.8	15.2	30.5	25.0	24.6	16.8	23.6	**9.45**	13.6
15	16.1	35.6	22.7	14.8	15.4	30.1	25.5	24.7	17.8	22.6	9.7	13.4
16	16.6	35.9	22.2	15.6	15.4	29.5	26.2	25.0	19.3	21.4	9.8	13.3
17	18.0	**36.08**	21.5	16.4	15.2	28.9	26.8	25.0	20.6	20.0	9.6	13.5
18	19.4	**36.08**	20.6	17.2	14.8	28.4	27.5	24.8	21.0	18.7	10.6	13.8
19	20.8	36.0	19.8	17.8	14.1	27.9	28.0	24.4	21.0	17.3	12.0	15.1
20	21.8	35.7	19.0	18.2	13.6	27.4	28.6	24.1	20.8	16.2	14.0	18.0
21	22.6	35.1	18.3	18.3	13.1	26.9	29.1	24.0	20.8	15.4	16.2	21.0
22	22.9	34.0	17.8	18.4	12.7	26.5	29.3	23.8	20.8	14.8	18.2	24.1
23	23.4	32.6	17.4	18.1	12.4	26.2	29.3	24.9	20.6	14.3	20.0	26.5
24	23.7	30.8	17.1	17.6	12.2	26.1	29.3	26.6	20.2	13.8	21.9	28.2
25	24.0	29.2	16.9	16.8	12.4	26.7	29.2	27.8	20.1	13.5	23.2	29.3
26	24.2	27.8	16.8	16.2	13.0	27.5	29.1	28.8	20.0	13.5	24.0	30.1
27	24.6	26.8	16.8	15.8	14.6	28.2	29.0	30.1	19.8	13.7	24.4	30.7
28	24.8	26.6	16.8	15.4	16.3	28.8	28.9	30.7	19.6	14.2	24.5	31.4
29	25.0		16.8	15.1	17.9	29.1	28.8	30.9	19.2	14.3	24.2	32.2
30	24.8		16.8	14.7	19.3	29.1	28.6	30.7	18.8	14.2	23.6	32.5
31	24.8		16.8		21.1		28.3	29.9		13.9		33.0

Mississippi River.—Mhoon Landing, Miss., 1915.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	17.8	26.4	29.6	16.7	13.9	23.0	31.7	30.7	32.3	18.8	12.8	24.2
2	19.3	26.3	29.6	16.4	13.3	25.1	31.6	30.2	31.4	18.3	12.5	23.4
3	20.5	27.0	29.6	16.1	12.8	27.1	31.5	29.5	29.7	17.8	12.2	22.6
4	21.1	28.5	29.3	16.0	12.2	28.9	31.1	28.5	28.5	17.6	11.8	21.7
5	21.5	30.2	29.0	15.9	11.8	30.0	30.7	27.5	26.8	17.8	11.5	20.7
6	21.9	31.4	28.5	16.0	11.3	31.2	30.1	26.5	25.1	18.5	10.8	19.7
7	22.1	32.8	27.8	16.0	11.7	31.9	29.4	26.0	23.5	19.5	10.2	18.6
8	22.2	33.8	27.2	15.9	12.2	32.6	28.7	25.8	21.8	20.5	9.7	17.4
9	22.1	34.5	26.6	15.8	12.4	33.1	28.1	25.9	20.4	21.7	9.2	16.3
10	21.4	35.2	26.3	15.7	12.7	33.3	27.5	26.1	18.9	23.1	8.7	15.4
11	20.2	35.5	25.8	15.4	13.3	33.5	27.4	26.3	17.8	24.3	8.3	14.5
12	18.8	36.3	25.5	15.1	13.9	33.5	27.2	26.3	16.9	25.3	8.1	13.8
13	17.4	36.7	25.2	14.7	14.2	33.5	26.9	26.3	16.5	25.5	7.4	13.4
14	16.5	37.2	25.0	14.3	14.4	33.3	26.9	26.3	16.5	25.3	**7.2**	13.0
15	16.0	37.6	24.6	14.2	14.8	33.1	27.2	26.3	17.1	24.5	8.0	12.8
16	16.2	37.9	24.2	14.7	14.9	32.6	27.8	26.5	18.6	23.2	7.8	12.5
17	17.4	**38.0**	23.6	15.6	14.9	31.9	28.5	26.6	20.4	21.2	7.5	12.7
18	19.0	**38.0**	22.5	16.7	14.5	31.5	29.2	26.6	21.4	20.0	8.2	13.0
19	20.8	**38.0**	21.4	17.5	14.2	31.0	29.9	26.4	21.6	18.7	9.7	13.7
20	22.0	37.9	20.4	18.0	13.5	30.4	30.6	26.2	21.6	16.8	11.9	16.3
21	23.1	37.6	19.3	18.4	12.8	29.9	31.1	25.8	21.6	15.5	14.2	19.6
22	23.8	37.1	18.4	18.6	12.2	29.3	31.4	25.4	21.7	14.5	16.4	23.0
23	24.4	36.3	17.9	18.4	11.7	28.8	31.7	25.9	21.4	13.7	18.8	26.0
24	24.9	35.1	17.4	18.1	11.1	28.0	31.8	27.4	21.2	13.2	21.0	28.0
25	25.2	33.7	17.0	17.3	11.2	28.7	31.8	29.0	20.9	12.7	22.8	29.6
26	25.5	32.2	16.7	16.5	11.6	29.3	31.7	30.2	20.7	12.3	24.3	30.7
27	25.9	31.0	16.8	15.8	12.4	29.9	31.6	31.9	20.6	12.6	25.0	31.6
28	26.2	30.0	16.7	15.3	14.8	30.7	31.5	32.6	20.4	13.0	25.4	32.5
29	26.4		16.7	14.8	16.9	31.3	31.4	33.0	20.1	13.4	25.3	33.3
30	26.4		16.8	14.4	18.8	31.5	31.3	33.2	19.5	13.4	24.9	33.9
31	26.3		16.8		20.7		31.2	33.0		13.2		34.4

Mississippi River.—Memphis, Tenn., 1914.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	8.6	8.1	25.2	22.5	24.4	14.4	14.8	10.1	5.6	10.2	9.1	3.2
2	9.0	8.7	24.9	23.0	23.8	13.6	14.6	9.6	5.8	9.8	8.5	3.2
3	9.6	9.7	24.4	23.9	23.0	13.0	14.1	9.3	6.4	9.4	7.8	3.2
4	10.4	10.8	24.0	25.2	22.3	12.5	13.5	8.9	7.0	9.0	7.3	3.2
5	11.2	12.0	23.2	26.8	22.0	12.2	13.1	8.6	7.4	8.7	6.8	3.4
6	12.0	13.7	22.3	28.2	21.6	12.1	12.8	8.2	7.8	8.2	6.4	3.6
7	12.5	16.1	21.5	29.2	21.2	12.1	12.6	7.9	8.0	7.6	6.1	3.7
8	12.5	18.0	20.4	30.1	21.4	12.1	12.4	7.6	8.3	7.1	5.8	4.0
9	12.3	19.1	19.4	30.8	22.0	12.1	12.4	7.4	8.6	6.5	5.6	4.2
10	11.8	19.7	18.5	31.3	22.4	12.2	12.6	7.3	8.7	6.2	5.2	4.5
11	11.1	20.1	18.0	31.8	22.4	12.4	12.7	7.1	8.6	6.0	5.0	5.3
12	10.5	20.4	17.6	32.2	22.2	12.5	12.8	6.9	8.6	6.0	4.9	7.0
13	9.8	20.5	17.4	32.4	22.0	12.5	13.0	6.6	8.5	6.5	4.8	9.3
14	9.3	20.4	17.4	32.6	21.8	12.4	13.2	6.4	8.6	7.6	4.8	10.8
15	8.8	20.0	17.7	**32.63**	21.5	12.4	13.2	6.4	9.1	9.2	4.8	12.2
16	8.6	19.1	18.4	32.4	21.2	12.4	13.2	6.2	9.9	10.9	4.7	12.9
17	8.4	17.9	19.0	32.2	21.0	12.3	13.1	6.0	10.2	12.4	4.6	13.1
18	8.3	16.7	19.5	31.9	20.8	12.2	12.8	5.8	10.1	13.4	4.4	12.9
19	8.3	15.8	20.0	31.5	20.6	12.1	12.3	5.6	9.8	13.6	4.2	12.3
20	8.6	15.1	20.5	31.2	20.3	12.4	11.9	5.4	9.6	13.7	4.0	11.6
21	9.1	15.2	20.8	30.8	19.9	12.8	11.7	5.4	9.4	13.9	3.8	10.9
22	9.6	16.8	21.2	30.4	19.6	13.4	11.7	5.4	9.8	14.2	3.7	10.2
23	10.0	18.8	21.2	29.9	19.2	14.2	11.9	5.3	10.9	14.6	3.6	9.5
24	10.0	20.6	21.1	29.3	19.0	15.0	12.1	5.2	12.2	15.0	3.5	9.0
25	9.8	22.6	20.8	28.6	18.8	15.6	12.2	5.0	13.0	15.1	3.4	8.8
26	9.3	24.2	20.7	27.9	18.6	15.7	12.2	5.0	13.1	14.8	3.3	9.1
27	8.8	24.8	21.0	26.6	18.2	15.5	12.1	5.0	12.7	14.2	3.2	9.7
28	8.3	25.2	21.3	25.8	17.6	15.2	11.8	5.1	11.9	13.1	3.1	10.5
29	7.9		21.8	25.3	17.0	15.1	11.4	5.4	11.1	12.1	**3.03**	12.4
30	7.8		22.1	25.1	16.2	15.0	10.9	5.4	10.6	10.9	3.1	15.0
31	7.8		22.2		15.2		10.5	5.6		10.0		17.0

Mississippi River.—Mhoon Landing, Miss., 1914.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	5.4	4.7	26.3	23.6	26.9	14.0	14.0	8.5	2.7	9.0	8.1	**—0.3**
2	5.7	5.3	26.3	24.0	26.2	13.0	13.9	7.9	2.8	8.5	7.0	—0.2
3	6.4	6.3	26.1	24.9	25.3	12.2	13.5	7.5	3.3	8.0	6.2	—0.1
4	7.3	7.7	25.6	26.9	24.5	11.4	13.0	7.0	4.0	7.5	5.5	0.0
5	8.4	9.2	24.9	27.6	24.0	10.8	12.4	6.5	4.6	7.0	4.9	0.1
6	9.4	11.0	24.0	29.4	23.3	10.5	11.9	6.1	5.2	6.5	4.3	0.2
7	10.3	13.6	23.1	30.8	22.7	10.5	11.6	5.6	5.5	5.9	3.8	0.4
8	10.7	16.2	21.8	32.1	22.5	10.4	11.2	5.3	5.8	5.2	3.4	0.6
9	10.7	17.9	20.6	32.9	22.8	10.4	11.1	5.0	6.3	4.5	3.1	0.9
10	10.3	19.1	19.5	33.5	23.3	10.6	11.3	4.7	6.5	4.0	2.7	1.2
11	9.6	19.8	18.5	33.9	23.6	10.8	11.4	4.4	6.6	3.6	2.4	1.9
12	8.7	20.3	18.0	34.4	23.6	10.9	11.5	4.4	6.5	3.4	2.1	3.3
13	7.9	20.6	17.5	34.7	23.3	11.0	11.8	4.1	6.5	3.5	2.0	5.8
14	6.8	20.7	17.3	34.9	23.1	10.9	12.0	3.8	6.4	4.6	2.0	8.0
15	6.4	20.3	17.4	35.0	22.8	10.9	12.2	3.7	6.6	6.2	2.0	10.0
16	5.9	19.6	17.9	**35.1**	22.5	10.9	12.2	3.5	7.5	8.1	1.9	11.4
17	5.6	18.5	18.7	34.9	22.2	10.9	12.1	3.3	8.2	10.3	1.7	12.0
18	5.4	17.2	19.5	34.7	21.9	10.8	12.0	3.0	8.4	11.9	1.4	12.0
19	5.2	16.1	20.1	34.5	21.6	10.7	11.4	2.8	8.3	12.7	1.1	11.6
20	5.4	14.8	20.8	34.4	21.3	10.8	10.8	2.5	7.9	13.0	0.9	10.9
21	5.9	14.2	21.3	34.0	20.8	11.2	10.4	2.6	7.6	13.2	0.7	10.0
22	6.6	15.0	21.8	33.6	20.3	11.8	10.3	2.4	7.7	13.2	0.6	9.2
23	7.1	17.2	22.0	33.3	19.9	12.5	10.4	2.3	8.7	13.8	0.5	8.3
24	7.6	19.6	22.0	32.8	19.5	13.5	10.6	2.3	10.4	14.3	0.3	7.5
25	7.5	21.9	21.8	32.1	19.1	14.4	10.7	2.1	11.7	14.6	0.2	7.2
26	7.1	24.0	21.7	31.5	18.9	14.8	10.9	1.9	12.2	14.5	0.0	7.3
[illegible]	[illegible]	25.3	21.7	30.2	18.5	14.9	10.9	2.0	12.0	14.0	—0.1	7.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.1	—0.2	8.6

Mississippi River.—Memphis, Tenn., 1913.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	6.8	40.3	17.8	36.9	31.0	20.7	14.5	12.7	7.6	5.0	6.4	16.5
2	6.8	40.3	18.6	38.1	28.6	21.7	14.5	12.4	7.4	4.8	6.4	15.5
3	6.8	40.3	19.8	39.6	26.4	22.4	14.8	12.0	7.2	4.73	6.6	14.3
4	7.0	40.4	21.4	41.1	24.6	22.8	14.8	11.5	7.0	4.8	6.6	13.6
5	7.5	40.4	22.9	42.4	23.1	23.0	14.8	11.0	6.7	4.9	6.9	12.4
6	8.4	40.3	24.2	43.6	22.0	23.2	14.4	10.4	6.6	5.1	7.4	11.8
7	10.2	40.1	25.0	44.8	21.2	23.1	14.1	10.0	6.6	5.2	8.2	11.3
8	11.8	39.8	25.4	45.4	20.4	23.0	13.6	9.7	6.6	5.4	8.9	11.2
9	14.0	39.5	25.7	*46.1	19.8	22.9	13.4	9.4	6.4	5.5	9.3	11.1
10	17.7	39.0	25.8	46.1	19.3	22.6	13.2	9.2	6.4	5.5	9.4	11.2
11	21.6	38.4	25.3	44.7	19.0	22.4	13.0	9.1	6.2	5.5	9.1	11.3
12	25.4	37.6	24.3	44.1	19.0	22.0	12.9	8.8	6.0	5.6	8.8	11.2
13	28.0	36.6	23.1	43.8	19.4	21.5	12.8	8.6	5.9	5.4	8.3	11.4
14	29.8	35.2	22.2	43.5	19.8	20.9	12.6	8.4	5.8	5.2	7.8	11.8
15	31.1	32.9	21.1	43.3	19.8	20.2	12.6	8.2	5.8	5.2	7.4	12.3
16	32.1	30.7	20.5	43.1	19.6	19.7	12.6	8.1	6.1	5.0	7.0	12.5
17	32.9	28.4	20.5	42.9	19.2	19.4	12.6	8.0	6.2	5.0	6.7	12.5
18	33.7	26.6	21.4	42.4	18.5	19.3	12.4	7.8	5.9	4.9	6.4	12.4
19	34.3	25.0	22.8	41.9	17.9	19.0	12.2	7.6	5.7	4.9	6.4	12.3
20	35.0	23.6	24.6	41.6	17.4	18.6	11.9	7.6	5.6	5.1	6.6	12.2
21	35.5	22.4	26.6	41.1	17.0	17.9	11.6	7.4	5.5	5.2	7.4	12.0
22	36.0	21.5	27.7	40.6	17.0	17.4	11.6	7.4	5.4	5.3	8.9	11.7
23	36.5	20.4	28.7	40.0	16.9	16.9	11.8	7.4	5.4	5.4	11.2	11.3
24	37.0	19.4	29.7	39.5	17.0	16.4	12.2	7.6	5.4	5.4	13.4	10.8
25	37.5	18.5	30.9	38.8	17.4	15.8	12.7	7.9	5.4	5.4	15.3	10.3
26	38.1	17.6	31.7	37.9	17.6	15.4	13.2	8.0	5.4	5.6	16.5	9.8
27	38.6	17.6	32.6	37.3	17.8	15.2	13.4	8.0	5.4	5.9	17.2	9.2
28	39.1	17.6	33.3	36.3	17.6	14.8	13.5	8.0	5.4	6.2	17.6	8.8
29	39.5		34.4	34.9	17.8	14.6	13.4	7.9	5.2	6.3	17.7	8.5
30	39.8		35.2	32.9	18.6	14.5	13.2	7.8	5.1	6.4	17.3	8.4
31	40.1		36.2		19.4		12.9	7.6		6.4		8.4

* Maximum **46.55** at 12 p. m.

Mississippi River.—Memphis, Tenn., 1912.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	29.0	22.4	27.0	40.8	36.6	24.8	19.2	17.8	15.3	11.7	8.2	7.7
2	29.3	22.3	28.6	41.9	36.5	24.1	18.9	18.3	15.2	11.8	8.1	7.4
3	29.9	22.2	29.9	42.7	36.5	23.6	18.5	18.8	15.0	11.5	8.1	7.1
4	30.4	22.4	30.9	43.5	36.7	23.3	18.0	19.3	14.6	11.4	8.3	7.0
5	30.7	22.4	31.5	44.2	37.1	22.8	17.6	19.4	14.2	11.0	8.6	6.8
6	31.0	22.1	32.2	*45.23	37.6	22.1	17.3	19.3	13.8	10.7	9.3	6.8
7	31.1	21.7	32.5	44.4	38.2	21.6	17.2	18.7	13.6	10.6	10.2	6.7
8	31.1	21.1	32.8	43.9	38.4	21.0	17.4	18.1	13.5	10.6	10.8	6.7
9	30.7	20.5	33.1	43.7	38.6	20.5	18.1	17.3	13.4	10.6	11.0	6.8
10	29.8	19.5	32.9	43.1	38.7	20.2	19.1	16.0	13.0	10.5	11.0	7.2
11	28.7	18.3	32.5	42.8	38.9	20.0	20.1	14.9	12.7	10.3	10.9	8.4
12	26.9	16.9	32.1	42.5	38.6	19.8	20.6	14.2	12.3	10.0	11.0	9.5
13	24.3	15.7	31.7	42.4	38.4	19.4	21.0	13.5	12.4	9.7	11.2	10.4
14	21.8	14.5	30.9	42.4	38.1	19.0	20.9	13.2	12.9	9.2	11.0	11.2
15	19.4	13.4	30.4	42.2	37.8	18.6	20.8	13.1	13.4	8.8	10.5	11.7
16	17.2	12.5	29.6	42.1	37.6	18.3	20.4	13.1	13.7	8.4	10.0	11.8
17	15.6	11.5	29.1	42.0	37.0	17.9	20.1	13.2	13.8	8.0	9.6	11.7
18	14.2	10.8	28.9	41.8	36.5	17.5	19.7	13.2	13.6	7.8	9.2	11.4
19	13.5	10.2	29.2	41.5	35.9	17.7	19.4	13.0	13.0	7.8	8.8	11.0
20	12.8	9.9	29.8	41.2	35.4	18.6	19.4	12.7	12.6	7.8	8.6	10.6
21	12.6	9.9	30.8	40.8	34.5	20.3	19.4	12.6	12.4	8.2	9.0	10.2
22	13.1	10.0	31.6	40.3	33.7	21.6	19.2	12.8	12.2	8.9	9.4	9.7
23	13.7	10.3	32.6	39.9	32.9	22.4	19.0	12.8	12.0	9.3	9.6	9.2
24	14.7	11.4	34.0	39.4	31.9	22.9	18.7	12.8	11.8	9.4	9.8	8.7
25	16.2	12.4	34.9	38.9	31.1	22.4	18.4	12.7	11.6	9.2	9.7	8.1
26	17.9	15.6	35.4	38.3	30.1	21.6	17.9	12.6	11.7	9.1	9.6	7.6
27	19.4	18.5	36.3	37.9	29.6	20.6	17.6	12.7	11.6	8.9	9.4	7.1
28	20.9	21.5	36.9	37.5	28.4	19.7	17.4	13.3	11.4	8.9	9.2	6.8
29	22.1	24.6	38.3	37.3	27.6	19.2	17.4	14.1	11.4	8.8	8.7	*6.58
30	22.5		39.2	36.8	26.7	19.2	17.4	14.8	11.6	8.6	8.2	6.6
31	22.4		40.1		25.7		17.5	15.1		8.4		6.7

* 4 p. m.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	4.9	16.1	24.3	12.2	28.6	9.0	9.6	6.1	5.9	13.6	16.6	14.1
2	5.9	16.4	23.8	12.4	27.0	8.8	9.5	6.1	5.7	13.4	15.9	14.0
3	7.1	16.7	23.2	12.6	26.2	8.4	9.3	6.1	5.6	13.0	15.1	13.8
4	9.2	17.4	22.5	12.8	26.1	8.1	9.3	5.9	5.5	12.8	14.2	13.2
5	11.8	18.3	21.6	12.9	26.2	7.9	9.4	5.8	5.2	13.2	13.4	12.9
6	14.1	19.4	20.7	12.9	26.4	7.7	9.5	5.8	4.9	13.9	12.8	12.5
7	16.0	20.2	19.6	12.9	26.4	7.6	9.3	6.0	4.6	14.5	12.2	12.0
8	17.7	21.4	18.8	15.0	26.4	7.5	9.0	6.0	4.4	15.0	11.7	11.5
9	19.0	22.2	17.5	18.2	26.3	7.4	8.6	5.9	**4.35**	15.7	11.3	11.1
10	20.0	23.0	16.3	21.5	25.9	7.6	8.3	5.8	4.8	16.3	11.0	10.7
11	20.8	23.6	15.8	23.8	25.3	7.9	8.1	5.7	5.9	16.8	10.8	10.2
12	21.2	24.4	16.1	25.3	24.3	8.1	8.0	5.6	7.2	17.2	10.8	10.0
13	21.0	25.0	17.4	26.7	23.0	8.2	7.9	5.6	8.1	17.5	11.0	9.6
14	20.4	25.5	19.1	27.7	21.3	8.2	7.8	5.6	8.6	17.4	11.2	9.4
15	19.4	25.8	20.7	28.5	19.6	8.0	7.6	5.4	8.7	17.3	11.4	9.8
16	17.9	26.0	22.0	29.2	18.0	7.8	7.5	5.1	8.6	16.9	11.5	11.4
17	16.3	25.8	22.7	29.8	16.6	7.7	7.3	4.8	8.2	16.4	12.0	14.1
18	14.8	25.4	22.9	30.5	15.3	7.8	7.1	4.7	7.9	16.2	12.4	17.1
19	13.7	24.8	22.4	31.0	14.1	7.8	6.8	4.6	7.9	15.9	12.8	19.7
20	13.0	23.8	21.3	31.5	13.1	7.8	6.7	4.6	8.4	15.7	13.5	21.6
21	12.8	22.6	19.8	31.9	12.0	7.6	6.7	4.8	9.1	15.6	13.9	22.8
22	12.8	21.7	18.6	32.4	11.2	7.4	6.7	5.2	9.9	15.4	14.2	23.4
23	13.4	21.4	17.4	32.7	10.5	7.3	6.6	5.7	10.6	15.4	14.3	23.8
24	14.2	22.0	15.6	32.9	10.0	7.4	6.4	6.2	11.0	15.3	14.3	24.0
25	15.2	23.0	14.6	**32.94**	9.6	7.8	6.3	6.6	11.3	15.4	14.3	24.0
26	15.7	23.8	13.7	32.9	9.5	8.2	6.3	6.7	12.1	15.7	14.3	24.3
27	16.0	24.2	13.2	32.7	9.3	8.4	6.4	6.6	13.0	16.2	14.3	24.5
28	16.2	24.4	12.7	32.2	9.5	8.6	6.5	6.5	13.5	16.9	14.3	24.5
29	16.2		12.3	31.5	9.7	8.6	6.4	6.4	13.7	17.3	14.3	24.6
30	16.2		12.0	30.2	9.6	9.2	6.2	6.3	13.8	17.4	14.2	25.0
31	16.1		12.0		9.4		6.1	6.2		17.1		25.4

Mississippi River.—Memphis, Tenn., 1911.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	**4.7**	18.1	27.5	13.5	33.9	10.9	11.1	7.3	7.3	15.7	19.2	16.1
2	5.6	18.1	27.3	13.7	32.2	10.5	11.2	7.3	7.0	15.5	18.6	16.0
3	6.8	18.4	26.7	14.0	30.8	10.2	11.0	7.3	6.8	15.1	17.8	15.8
4	8.4	19.0	26.0	14.4	29.9	9.8	10.9	7.2	6.6	14.8	16.8	15.5
5	11.2	19.9	25.0	14.7	29.7	9.5	10.9	7.1	6.5	14.8	15.8	15.1
6	14.0	21.1	24.5	14.8	29.8	9.3	11.1	7.0	6.2	15.3	15.1	14.5
7	16.7	22.3	23.1	15.4	29.9	9.1	11.0	7.1	5.8	16.1	14.4	14.0
8	18.8	23.5	21.8	16.6	29.9	9.0	10.7	7.2	5.5	16.8	13.7	13.5
9	20.3	24.5	20.4	19.2	29.8	8.9	10.3	7.2	5.3	17.6	13.2	13.0
10	21.8	25.4	19.1	22.4	29.6	8.9	10.0	7.1	5.4	18.3	12.8	12.4
11	22.8	26.2	18.1	25.2	29.2	9.2	9.7	7.0	6.2	18.8	12.5	12.1
12	23.6	26.9	17.9	27.3	28.4	9.5	9.5	6.8	7.6	19.4	12.4	11.7
13	23.8	27.7	18.6	28.7	27.3	9.7	9.4	6.8	8.8	19.8	12.4	11.3
14	23.5	28.4	20.2	30.1	25.5	9.7	9.2	6.6	9.6	19.9	12.6	11.1
15	22.5	28.8	22.1	31.2	23.7	9.6	9.1	6.6	10.0	19.8	12.9	11.1
16	21.1	29.1	23.8	32.2	21.8	9.4	9.0	6.4	10.1	19.4	13.0	12.1
17	19.4	29.1	24.9	32.8	20.1	9.2	8.8	6.1	9.8	19.1	13.2	14.5
18	17.7	28.8	25.6	33.3	18.5	9.1	8.5	5.8	9.3	18.7	13.7	17.6
19	16.2	28.4	25.6	34.1	17.7	9.2	8.2	5.7	9.0	18.3	14.3	20.9
20	15.0	27.7	24.7	34.7	16.0	9.3	8.0	5.7	9.4	18.0	15.0	23.6
21	14.3	26.5	23.4	35.2	14.7	9.2	8.0	5.7	10.0	17.8	15.5	25.1
22	14.2	25.3	21.7	35.6	13.7	9.0	8.0	6.0	10.8	17.7	15.9	26.1
23	14.4	24.5	19.9	35.9	12.8	8.8	7.9	6.5	11.7	17.5	16.2	26.6
24	15.2	24.4	18.3	36.2	12.0	8.7	7.8	7.0	12.3	17.5	16.4	26.9
25	16.2	25.3	17.0	**36.42**	11.5	9.0	7.6	7.5	12.7	17.5	16.4	27.2
26	17.1	26.3	16.1	**36.42**	11.2	9.4	7.5	7.8	13.4	17.6	16.4	27.3
27	17.6	27.0	15.3	36.3	11.0	9.8	7.6	7.9	14.3	18.1	16.4	27.6
28	18.0	27.4	14.6	36.1	11.1	10.0	7.6	7.8	15.2	18.8	16.4	27.8
29	18.2		14.1	35.6	11.2	10.2	7.6	7.8	15.6	19.4	16.4	27.9
30	18.2		13.7	34.9	11.3	10.5	7.5	7.6	15.7	19.6	16.3	28.0
31	18.1		13.5		11.2		7.4	7.5		19.6		28.7

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	6.5	27.5	25.0	18.2	16.5	21.6	14.6	12.8	7.0	7.0	4.6	3.4
2	6.2	27.5	25.9	17.4	16.1	21.5	14.4	12.9	6.7	7.5	4.4	3.4
3	6.0	27.3	26.4	16.8	15.8	21.2	14.2	13.0	6.2	8.0	4.2	3.6
4	5.7	26.8	26.8	16.3	15.7	20.8	14.1	13.1	5.9	8.1	4.1	4.0
5	5.8	25.9	27.1	15.8	15.7	20.3	14.0	12.9	5.7	8.1	4.0	4.8
6	6.3	24.5	27.4	15.4	15.9	19.6	14.1	12.4	5.5	8.5	3.9	5.5
7	6.6	22.9	27.7	15.0	16.2	18.8	14.4	11.8	5.4	9.8	3.8	6.0
8	6.8	21.1	28.0	14.8	16.6	18.1	14.9	11.4	5.8	12.4	3.6	6.1
9	7.2	19.4	28.2	14.6	17.0	17.6	15.2	10.9	7.6	14.4	3.6	6.0
10	7.5	18.0	28.4	14.2	17.2	17.0	15.6	10.4	10.2	16.0	3.4	5.9
11	8.4	16.9	28.6	14.1	18.3	16.6	15.8	9.8	12.0	17.5	3.3	6.0
12	9.8	16.1	28.8	14.2	20.3	16.7	16.1	9.2	13.1	18.1	3.2	6.4
13	12.1	15.2	29.1	14.8	21.4	18.0	16.4	8.8	13.5	18.2	3.2	7.0
14	14.2	14.7	29.3	14.9	21.7	20.4	16.9	8.5	13.4	17.8	3.2	7.8
15	16.3	14.2	29.6	14.9	21.5	22.5	17.3	8.2	12.9	17.1	3.1	8.3
16	19.3	13.9	29.8	14.8	21.2	24.0	17.5	7.8	12.0	16.2	3.0	8.3
17	21.5	13.4	***30.00**	14.9	21.0	24.8	17.5	7.5	11.2	15.1	3.0	7.9
18	22.4	13.0	30.0	16.4	20.8	25.1	17.7	7.0	10.4	14.1	3.0	7.4
19	22.6	12.7	29.8	18.1	20.7	24.8	18.0	6.7	9.6	13.2	3.0	6.7
20	23.0	12.6	29.4	19.2	20.6	24.0	18.5	6.5	9.0	12.4	3.0	6.0
21	23.6	13.1	28.7	19.7	20.3	22.6	19.8	6.3	8.6	11.7	3.1	5.5
22	24.3	14.7	27.5	19.8	19.9	21.2	20.8	6.1	8.0	10.9	3.1	5.0
23	25.1	16.7	25.8	19.7	19.4	19.6	21.4	5.8	7.6	10.3	3.1	4.7
24	25.8	18.8	23.9	19.4	19.2	18.3	21.2	5.7	7.0	9.5	3.0	4.4
25	26.4	20.5	22.2	19.3	19.3	17.4	20.5	5.9	6.8	8.6	3.0	4.2
26	26.7	21.8	20.4	19.0	20.0	16.6	19.4	6.0	6.5	7.8	2.9	3.8
27	27.0	23.2	19.4	18.6	20.5	16.0	17.8	6.4	6.3	7.0	**2.86**	3.6
28	27.2	24.1	19.3	18.1	21.0	15.6	16.2	6.9	6.4	6.3	2.9	3.4
29	27.4		19.4	17.6	21.5	15.1	14.9	7.4	7.0	5.6	3.0	3.4
30	27.4		19.4	17.0	21.7	14.8	14.0	7.7	7.0	5.3	3.2	3.6
31	27.5		19.0		21.7		13.2	7.5		4.9		4.0

* 4 p. m.

Mississippi River.—Memphis, Tenn., 1910.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	6.7	30.4	27.3	20.7	18.5	24.1	16.3	14.4	8.1	7.7	5.3	3.6
2	6.4	30.4	28.3	19.9	18.0	23.9	16.0	14.2	7.8	7.8	5.0	3.6
3	6.2	30.2	29.1	19.0	17.5	23.7	15.8	14.2	7.3	8.4	4.8	3.6
4	5.8	30.0	29.6	18.2	17.3	23.4	15.6	14.5	7.0	8.8	4.6	4.0
5	5.9	29.6	29.9	17.7	17.2	22.8	15.6	14.4	6.6	8.9	4.6	4.6
6	6.4	28.3	30.0	17.2	17.2	22.1	15.7	14.0	6.4	9.5	4.4	5.4
7	6.7	26.7	30.4	16.7	17.5	21.4	15.8	13.4	6.2	10.1	4.2	6.1
8	7.0	25.0	30.7	16.4	17.9	20.5	16.2	12.9	6.3	12.2	4.1	6.4
9	7.3	22.8	30.9	16.1	18.3	19.8	16.7	12.3	7.2	15.0	4.0	6.4
10	7.5	21.0	31.1	15.7	18.6	19.2	17.2	11.8	9.5	16.9	3.8	6.2
11	8.0	19.4	31.3	15.4	19.3	18.7	17.5	11.2	12.1	18.8	3.8	6.2
12	9.2	18.1	31.6	15.4	21.1	18.3	17.6	10.5	13.8	20.0	3.7	6.4
13	10.9	17.1	31.8	15.8	22.9	18.9	17.9	10.0	14.7	20.4	3.6	7.0
14	13.7	16.2	32.1	16.1	23.8	21.0	18.4	9.6	15.0	20.3	3.6	7.9
15	16.2	15.5	32.3	16.8	24.0	23.5	19.0	9.2	14.6	19.7	3.4	8.6
16	19.1	15.1	32.5	16.9	23.7	25.5	19.4	9.0	13.8	18.7	3.4	8.8
17	22.3	14.6	32.8	17.2	23.5	26.7	19.5	8.6	12.9	17.4	3.2	8.6
18	24.2	14.1	33.0	18.3	23.3	27.5	19.6	8.2	11.9	16.2	3.3	8.2
19	24.8	13.7	**33.12**	19.7	23.0	27.7	19.8	7.9	11.1	15.1	3.4	7.6
20	25.0	13.3	32.9	21.0	22.8	27.3	20.1	7.6	10.3	14.1	3.4	6.9
21	25.8	13.6	32.4	21.8	22.6	26.2	21.1	7.4	9.7	13.2	3.4	6.2
22	26.5	14.8	31.6	22.0	22.3	24.8	22.4	7.2	9.2	12.5	3.4	5.6
23	27.1	16.7	30.2	22.0	21.9	23.1	23.3	6.9	8.6	11.6	3.4	5.3
24	27.8	19.3	28.2	21.8	21.5	21.4	23.7	6.6	8.2	10.8	3.4	4.8
25	28.5	21.6	26.3	21.6	21.3	20.0	23.3	6.6	7.6	10.0	3.3	4.5
26	29.1	23.4	24.1	21.3	21.7	19.0	22.2	6.8	7.2	9.0	3.2	4.2
27	29.6	25.1	22.4	20.9	22.2	18.1	20.9	7.0	6.8	8.1	3.2	3.9
28	29.7	26.4	21.6	20.4	22.9	17.5	19.2	7.6	6.8	7.4	**3.15**	3.8
29	29.9		21.4	19.8	23.5	17.0	17.5	8.1	7.2	6.6	3.2	3.6
30	30.1		21.5	19.2	23.9	16.5	16.2	8.4	7.6	6.1	3.4	3.8
31	30.1		21.4		24.1		15.2	8.4		5.6		4.1

Mississippi River.—Memphis, Tenn., 1909.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	7.9	12.4	32.1	28.5	31.8	25.4	26.9	22.4	11.8	7.9	6.4	12.6
2	8.1	12.0	32.8	27.5	31.9	25.8	26.6	20.5	11.3	7.8	6.2	12.6
3	8.2	11.8	33.4	26.0	31.7	26.0	26.5	19.0	10.9	7.8	6.1	12.6
4	8.0	11.9	34.0	25.3	31.5	26.1	26.7	17.6	10.6	7.8	6.1	12.4
5	8.0	12.4	34.7	24.9	31.2	26.2	26.9	16.7	10.5	7.7	6.2	12.2
6	8.0	12.9	35.2	24.8	31.2	26.3	27.0	16.1	10.3	7.6	6.2	11.9
7	8.0	13.1	35.7	25.1	31.2	26.1	27.0	15.8	9.9	7.5	6.2	11.8
8	8.0	12.6	36.2	24.7	31.2	25.6	26.8	15.4	9.6	7.2	6.2	11.8
9	8.0	12.3	36.7	24.4	31.4	25.3	26.6	15.2	9.4	6.9	6.4	12.1
10	7.8	12.2	37.6	24.0	31.7	25.2	26.3	15.2	9.4	6.7	6.5	13.4
11	7.8	12.3	37.7	23.6	31.9	25.4	26.0	15.2	9.6	6.5	6.6	14.9
12	7.6	12.7	37.8	23.1	32.1	25.5	26.1	15.1	9.6	6.3	6.6	16.6
13	7.6	13.5	38.0	23.6	32.3	25.6	26.6	15.0	9.6	6.1	6.7	17.2
14	7.6	14.4	38.1	23.9	32.6	25.9	27.3	14.8	9.4	6.0	6.8	17.3
15	7.6	15.7	38.0	24.4	32.9	26.5	28.3	14.5	9.4	5.9	7.5	17.0
16	7.4	17.2	37.9	25.1	33.2	27.3	29.5	14.0	9.4	5.8	8.5	16.4
17	7.0	19.4	37.9	25.7	33.3	28.2	30.6	13.5	9.6	5.6	9.7	15.6
18	6.6	21.6	38.0	26.1	33.4	28.7	31.4	13.0	9.8	**5.44**	10.3	14.8
19	6.9	24.0	38.2	26.4	33.2	29.2	32.1	12.6	9.8	5.5	10.5	14.3
20	8.0	25.7	38.4	26.6	32.7	29.3	32.6	12.0	9.5	5.6	10.1	13.9
21	9.2	26.7	38.5	26.5	32.0	29.4	33.1	11.7	9.3	5.7	9.9	13.6
22	10.4	27.5	**38.60**	26.4	31.1	29.4	33.5	11.5	9.2	6.2	11.0	13.3
23	11.9	27.8	38.5	27.2	30.4	29.3	33.6	11.6	9.1	6.5	13.0	12.9
24	13.4	28.6	38.4	27.8	28.6	29.1	33.6	12.1	8.9	6.9	14.2	12.3
25	14.6	29.3	38.2	28.7	27.5	28.9	33.5	13.0	8.9	7.3	14.6	11.5
26	15.6	30.2	37.7	29.6	26.2	28.6	33.2	13.9	9.0	7.5	14.4	10.6
27	15.9	31.1	36.9	30.5	24.9	28.4	32.1	14.1	9.0	7.5	13.9	10.0
28	15.7	31.8	36.1	31.1	24.0	28.1	30.6	14.0	8.8	7.2	13.4	9.2
29	14.9		34.8	31.4	23.8	27.7	28.7	13.5	8.4	6.9	13.0	8.4
30	14.1		32.6	31.6	24.0	27.2	26.8	13.0	8.2	6.7	12.8	7.6
31	13.3		30.5		24.9		24.6	12.4		6.6		7.2

Mississippi River.—Memphis, Tenn., 1908.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	17.4	12.6	34.6	33.0	28.9	30.6	28.1	17.2	10.8	5.6	3.9	5.3
2	17.4	11.5	34.8	32.9	28.5	30.2	27.8	17.1	10.8	5.5	4.7	5.3
3	17.6	11.1	35.0	32.8	28.5	30.0	27.5	16.9	10.7	5.3	5.8	5.5
4	18.0	10.5	35.0	32.4	28.4	29.9	27.1	16.5	10.4	5.0	6.7	5.9
5	19.0	10.1	34.9	32.2	28.2	30.0	26.7	16.1	10.2	4.9	7.5	6.8
6	19.9	10.4	34.7	32.1	28.0	30.2	26.3	15.8	10.1	4.8	7.8	7.4
7	20.3	11.1	34.4	31.7	27.7	30.2	26.1	15.4	10.1	4.7	7.9	7.7
8	20.8	12.5	34.0	31.4	27.6	30.0	25.9	15.2	9.9	4.6	7.8	8.0
9	21.1	14.5	33.4	31.3	28.0	29.7	25.8	15.2	9.6	4.3	7.6	8.3
10	21.2	16.5	33.0	31.4	28.7	29.6	25.8	15.2	9.4	4.3	7.7	8.5
11	21.2	18.4	32.8	31.8	29.5	29.4	25.6	15.0	9.3	4.3	8.0	8.6
12	21.0	20.1	32.6	32.1	30.2	29.3	25.2	14.7	9.2	4.2	7.9	8.4
13	20.7	21.2	32.7	32.4	30.8	29.2	24.8	14.2	8.9	4.2	7.5	8.3
14	20.3	22.4	33.0	33.0	31.4	29.2	24.2	13.9	8.7	4.2	7.2	8.7
15	19.9	23.5	33.3	33.5	32.1	29.1	23.6	13.6	8.3	4.1	6.8	9.2
16	19.5	24.6	33.5	34.0	32.5	29.0	23.1	13.3	7.9	4.0	6.4	9.4
17	18.8	25.9	33.8	34.5	33.0	28.8	22.7	13.2	7.7	3.9	6.2	9.4
18	18.2	27.0	34.2	34.8	33.5	28.8	22.2	13.0	7.5	3.8	5.9	9.1
19	17.8	28.1	34.4	35.0	33.8	28.8	21.7	12.6	7.3	3.7	5.8	8.6
20	17.5	29.0	34.8	35.0	34.1	28.8	21.1	12.2	7.1	3.7	5.6	7.9
21	17.6	30.1	35.2	35.0	34.5	28.8	20.3	12.1	6.8	3.7	5.4	7.3
22	17.9	30.9	35.4	34.8	34.8	28.8	19.6	12.0	6.6	3.7	5.2	6.9
23	18.6	31.6	35.5	34.4	35.0	28.8	19.2	11.9	6.4	3.8	5.0	6.5
24	18.9	32.2	**35.55**	33.9	35.1	28.9	19.0	11.9	6.2	3.8	4.9	6.2
25	18.9	32.6	**35.55**	33.6	35.2	29.0	18.8	11.9	6.0	3.9	4.9	6.1
26	18.4	33.2	35.4	32.9	35.2	29.0	18.7	11.8	5.9	3.9	4.9	6.1
27	17.6	33.6	35.0	31.9	35.0	28.7	18.4	11.6	5.7	3.8	5.0	6.1
28	16.6	34.0	34.6	30.9	34.0	28.6	18.0	11.3	5.7	3.7	5.1	6.1
29	15.6	34.4	34.2	30.1	32.9	28.4	17.6	10.9	5.7	3.6	5.2	6.4
30	14.6		33.9	29.4	32.0	28.3	17.4	10.8	5.7	**3.50**	5.2	7.0
31	13.5		33.6		31.3		17.3	10.8		**3.50**		7.5

Mississippi River.—Memphis, Tenn., 1907.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	21.9	39.8	20.4	35.4	21.6	17.2	24.9	25.0	14.2	9.4	6.9	10.9
2	21.1	40.2	21.4	35.4	21.6	16.9	24.4	24.5	14.0	9.8	6.8	11.3
3	21.0	**40.30**	22.4	35.4	22.0	17.1	23.7	24.0	13.8	10.2	6.8	11.9
4	22.4	40.2	23.4	35.2	22.8	17.6	23.0	23.4	13.8	10.4	6.6	12.6
5	24.8	39.9	24.9	34.6	23.7	18.4	22.0	22.7	13.8	10.4	**6.50**	13.1
6	27.1	39.6	26.0	33.7	25.3	19.4	21.3	22.0	13.6	10.2	**6.50**	13.0
7	28.7	39.1	26.8	32.3	26.0	20.9	20.4	21.0	13.4	10.1	**6.50**	12.5
8	29.9	38.6	27.4	30.5	26.9	22.3	19.9	20.5	13.0	10.3	6.6	11.9
9	30.9	38.1	27.8	28.4	27.9	23.5	19.0	19.9	12.8	10.4	6.9	11.1
10	31.5	37.2	28.3	26.7	28.6	24.6	18.5	19.4	12.6	10.5	7.2	10.4
11	32.0	36.2	28.8	25.3	29.4	25.5	17.9	18.8	12.4	10.6	7.4	9.7
12	32.4	34.6	28.9	24.2	30.0	26.1	17.6	18.1	12.1	10.7	7.7	8.9
13	32.8	32.4	29.0	23.4	30.4	26.5	17.5	17.6	11.7	10.8	8.1	8.4
14	33.0	29.8	28.9	22.9	30.8	26.8	17.4	17.2	11.4	10.9	8.5	8.0
15	32.9	27.1	28.6	22.9	31.4	27.2	17.2	16.5	11.0	11.0	9.0	7.8
16	32.9	24.7	28.6	23.0	31.2	27.7	17.0	16.0	10.9	11.0	9.6	7.6
17	32.9	22.5	29.1	23.4	30.9	28.1	17.3	15.4	10.6	10.9	9.9	7.6
18	32.7	21.0	29.7	23.5	30.9	28.7	17.7	14.9	10.4	10.8	10.4	7.8
19	32.5	19.7	30.3	23.5	30.8	29.1	18.2	14.6	10.2	10.8	10.7	8.1
20	32.5	18.8	31.0	23.0	30.8	29.3	18.9	14.4	10.2	10.8	11.5	8.6
21	32.7	18.0	31.6	22.5	30.8	29.4	19.8	14.4	10.5	10.8	12.4	9.3
22	32.8	17.3	32.2	21.9	30.6	29.3	21.0	14.4	10.6	10.6	12.7	10.2
23	33.1	16.9	32.6	21.5	29.9	29.2	21.8	14.4	10.4	10.3	12.8	11.4
24	33.5	16.7	33.2	21.3	28.8	29.0	22.4	14.7	10.2	9.8	12.4	12.6
25	34.1	16.5	33.7	21.2	27.4	28.8	22.8	14.8	10.0	9.4	11.8	13.6
26	34.7	17.0	34.0	21.1	25.9	28.6	23.2	14.9	9.6	9.0	11.3	14.6
27	35.5	18.1	34.5	21.0	23.6	27.9	23.7	15.2	9.3	8.6	11.0	15.2
28	36.3	19.3	34.8	21.0	21.4	27.1	24.2	15.3	9.0	8.2	10.8	15.8
29	37.3		35.1	21.0	19.3	26.4	24.6	15.3	9.0	7.8	10.6	16.4
30	38.8		35.4	21.4	18.4	25.6	24.9	15.1	9.1	7.4	10.6	17.0
31	39.0		35.4		17.4		25.2	14.7		7.2		17.4

Mississippi River.—Memphis, Tenn., 1906.

Day	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	18.0	26.9	12.8	28.9	24.5	10.7	15.2	14.8	12.4	11.8	8.3	29.0
2	17.7	26.8	14.8	29.9	23.2	10.6	14.8	14.5	12.6	12.3	8.5	28.6
3	17.5	26.7	16.7	30.9	22.2	10.7	14.7	13.9	12.6	13.3	8.4	27.6
4	17.3	26.4	18.4	31.7	21.3	10.9	14.8	13.1	12.4	14.3	8.2	26.4
5	17.0	26.2	19.6	32.4	20.7	11.2	14.8	12.3	12.1	15.3	7.9	24.4
6	17.1	25.4	20.7	33.0	20.0	11.5	14.7	11.7	11.7	16.2	7.7	22.6
7	17.3	24.4	21.5	33.6	19.7	11.8	14.7	11.2	11.4	16.9	7.5	20.4
8	17.9	23.2	22.3	34.2	19.4	12.2	14.6	10.9	11.2	17.7	7.3	18.5
9	19.7	21.4	23.2	34.6	19.4	12.6	14.4	10.7	10.9	18.2	7.1	16.6
10	21.4	19.6	23.8	35.2	19.4	13.0	14.1	10.7	10.7	18.5	6.9	15.3
11	22.4	17.3	24.3	35.7	19.6	13.5	13.7	10.7	10.6	18.6	6.9	14.3
12	23.0	15.9	24.6	36.2	19.7	14.0	13.3	10.6	10.5	18.4	6.8	13.6
13	23.0	14.2	24.6	36.5	19.4	14.6	12.9	10.4	10.4	18.0	6.6	13.4
14	22.7	12.8	24.3	36.8	18.9	15.0	12.6	10.2	10.3	17.3	**6.55**	13.3
15	22.1	11.3	23.6	***37.07**	18.3	15.1	12.2	10.1	10.4	16.6	**6.55**	13.5
16	21.3	10.7	22.8	37.0	17.8	15.0	11.7	10.1	10.5	15.6	**6.55**	13.9
17	20.3	10.0	22.0	36.9	17.5	14.7	11.6	10.2	10.6	14.6	6.7	15.1
18	19.4	9.5	21.4	36.8	17.2	14.5	11.7	10.6	10.6	13.4	7.7	16.6
19	18.5	9.3	21.2	36.5	16.8	14.4	11.6	10.8	10.4	12.4	8.7	18.4
20	17.7	9.0	21.0	36.1	16.2	14.3	11.7	11.1	10.1	11.4	11.7	20.2
21	17.0	8.9	21.0	35.6	15.5	14.2	11.8	11.3	9.6	10.6	14.4	21.7
22	17.9	8.8	21.0	34.9	14.8	14.2	11.9	11.6	9.1	10.1	18.0	23.2
23	18.7	8.6	21.2	34.0	14.0	14.3	12.4	12.0	8.6	9.6	21.9	24.1
24	20.4	8.6	21.8	33.0	13.4	14.7	12.7	12.5	8.1	9.2	24.8	24.7
25	22.8	8.7	22.6	32.0	12.9	15.2	13.0	12.9	7.8	9.0	26.4	25.1
26	24.2	8.8	23.4	30.9	12.4	15.7	13.1	13.0	7.8	8.8	27.4	25.4
27	25.2	9.4	24.4	29.7	11.9	16.1	13.3	12.9	8.1	8.6	28.3	25.6
28	26.2	10.8	24.9	28.5	11.6	16.3	13.6	12.6	9.0	8.3	28.8	25.4
29	26.8		25.6	27.1	11.2	16.2	14.0	12.2	10.2	8.0	29.1	25.0
30	27.1		26.6	25.9	10.9	15.7	14.5	12.0	11.1	7.8	29.2	24.3
31	27.1		27.6		10.7		14.8	12.1		8.0		23.2

* 4:00 p. m.

Mississippi River.—Memphis, Tenn., 1905.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	5.2	5.8	16.5	24.0	14.9	25.6	20.1	17.1	14.8	16.3	14.9	7.3
2	6.7	4.9	17.7	24.6	15.6	24.1	20.7	16.4	14.0	14.9	15.0	7.9
3	7.2	*	19.8	25.3	16.3	22.4	21.6	16.1	13.0	13.3	14.8	8.7
4	7.4	3.9	21.8	25.7	17.0	20.9	22.2	16.0	11.9	11.9	14.3	9.9
5	7.6	3.6	22.8	25.8	17.9	19.5	22.7	16.2	10.9	10.9	13.7	12.4
6	7.7	2.9	23.0	25.6	18.5	18.4	23.0	16.3	10.2	10.0	13.2	14.9
7	7.3	2.3	23.0	25.2	19.1	18.0	23.2	16.2	9.7	9.3	12.4	16.8
8	6.9	2.1	23.0	24.4	19.6	17.7	23.2	16.0	9.3	8.8	11.9	18.4
9	6.8	**1.98**	23.3	23.5	20.6	17.6	23.2	15.4	9.0	8.2	11.6	19.4
10	7.1	2.0	23.5	22.2	21.1	17.4	23.1	14.9	8.8	7.8	11.3	20.1
11	7.2	2.4	23.4	20.8	20.9	16.9	22.8	13.9	8.7	7.4	11.1	20.6
12	7.2	3.5	23.6	19.6	20.3	16.3	22.6	13.2	8.4	6.9	11.0	20.8
13	7.0	5.3	24.1	18.2	19.7	15.6	21.8	12.6	8.1	6.5	10.9	20.9
14	6.7	7.9	24.9	17.1	18.8	15.0	21.5	12.4	7.8	6.1	10.7	20.6
15	6.6	10.3	25.9	16.2	17.9	14.6	21.2	12.3	7.8	5.8	10.4	20.3
16	7.2	11.7	26.6	15.4	17.1	14.5	21.1	12.2	7.9	5.7	10.2	19.7
17	8.2	12.7	27.4	14.9	16.8	14.6	21.5	12.0	8.1	5.6	9.9	18.6
18	9.1	13.1	28.1	14.8	17.8	14.9	21.9	11.8	8.2	5.6	9.6	17.5
19	9.7	13.1	28.5	14.8	20.0	15.1	22.1	11.6	8.3	5.9	9.4	16.4
20	10.2	13.1	28.7	14.9	22.4	15.5	22.2	11.6	8.6	5.8	8.9	15.5
21	10.7	12.7	**28.93**	15.1	24.1	15.6	21.7	11.6	10.8	5.7	8.4	14.6
22	10.6	12.4	28.5	15.2	25.4	15.6	21.1	11.7	14.6	6.6	8.1	13.9
23	10.7	11.9	28.0	15.2	26.6	15.7	20.3	12.0	17.7	8.9	7.9	13.4
24	10.9	11.3	27.0	14.9	27.6	15.8	20.1	12.1	19.7	10.6	8.0	13.2
25	11.1	11.3	25.5	14.7	28.1	16.1	20.1	12.3	20.8	11.5	8.2	13.4
26	10.8	12.2	24.4	14.4	28.6	16.3	19.5	12.6	21.5	11.9	8.4	14.1
27	9.9	13.8	22.5	14.0	28.8	16.7	18.9	13.4	21.5	12.3	8.1	15.2
28	8.9	15.2	21.7	13.9	28.7	17.5	18.5	14.5	20.9	12.6	7.8	16.5
29	8.0		21.9	14.0	28.5	18.5	18.2	15.4	19.8	12.8	7.6	17.5
30	7.4		22.6	14.3	27.9	19.5	17.9	15.6	18.2	13.3	7.4	18.0
31	6.4		23.3		26.0		17.6	15.3		14.2		18.2

Mississippi River.—Mhoon Landing, Miss., 1905.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	‡ **1.7**	5.0	17.4	26.7	16.4	30.2	22.3	19.8	16.9	19.9	16.3	7.1
2	4.3	3.9	18.6	27.5	17.2	28.9	22.9	19.0	16.1	18.0	16.8	7.4
3	5.5	*	20.5	28.3	17.9	27.4	23.9	18.4	15.1	16.1	16.7	8.4
4	6.0	*	22.9	28.9	18.8	25.6	24.6	18.0	13.8	14.1	16.4	9.6
5	6.4	*	24.7	29.0	19.9	24.0	25.3	18.2	12.6	12.6	15.8	12.2
6	6.6	*	25.4	29.0	20.7	22.5	25.8	18.4	11.3	11.3	15.2	15.3
7	6.2	*	25.5	28.8	21.4	21.5	26.1	18.4	10.4	10.3	14.5	17.5
8	5.7	*	25.7	28.2	22.0	20.9	26.3	18.3	9.8	9.3	13.7	19.6
9	5.6	*	26.1	27.5	23.0	20.5	26.3	17.7	9.3	8.5	12.9	21.3
10	5.7	*	26.3	26.4	23.9	20.2	26.3	17.4	9.0	7.8	12.5	22.2
11	5.9	*	26.3	25.0	24.0	19.8	26.2	16.2	8.7	7.2	12.4	22.8
12	6.1	*	26.4	23.7	23.5	19.2	25.7	15.1	8.5	6.4	12.2	23.3
13	6.1	*	26.8	22.1	23.0	18.5	25.2	14.3	8.2	5.7	12.0	23.6
14	5.5	5.3	27.5	20.6	22.4	17.7	24.8	13.7	7.7	5.1	11.8	23.6
15	5.3	8.8	28.4	19.3	21.4	17.0	24.3	13.5	7.3	4.6	11.5	23.4
16	5.6	11.8	29.3	18.2	20.3	16.8	24.3	13.5	7.3	4.3	11.2	22.9
17	6.6	13.3	30.1	17.5	19.6	16.5	24.3	13.4	7.6	4.2	10.8	22.0
18	8.0	13.8	30.9	16.9	19.8	16.8	24.7	13.1	8.1	4.2	10.5	20.7
19	9.2	14.1	31.5	16.9	21.7	17.0	25.0	12.8	8.1	4.9	10.1	19.5
20	9.9	14.1	31.8	17.0	24.2	17.4	25.1	12.8	8.3	4.7	9.6	18.4
21	10.5	13.9	32.1	17.2	25.3	17.6	24.9	12.6	9.8	4.4	8.9	17.6
22	10.8	13.5	32.0	17.2	28.0	17.8	24.5	12.7	13.9	4.8	8.3	16.4
23	10.8	13.0	31.7	17.1	29.2	17.8	23.7	13.0	18.0	7.5	8.0	15.6
24	11.1	12.4	31.1	17.0	30.3	17.9	23.3	13.2	20.9	10.5	7.9	15.1
25	11.3	12.0	29.9	16.8	31.1	18.1	23.1	13.4	22.6	12.0	8.2	15.1
26	11.2	12.5	28.4	16.5	31.7	18.3	22.7	13.7	23.7	12.9	8.4	15.5
27	10.6	14.0	26.9	16.1	32.1	18.6	21.9	14.2	24.2	13.4	8.4	16.4
28	9.4	15.8	25.5	15.7	**32.2**	19.2	21.3	15.6	24.0	13.7	8.0	18.0
29	8.3		25.2	15.7	**32.2**	20.4	20.9	16.8	23.2	13.9	7.6	19.4
30	7.2		25.4	15.9	31.9	21.5	20.5	17.4	21.7	14.5	7.4	20.1
31	6.0		26.0		31.3		20.4	17.3		15.3		20.5

* No record, gage disturbed by ice. ‡ Lowest in February not recorded but probably was lower than this.

Mississippi River.—Memphis, Tenn., 1904.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	5.8	20.5	13.9	32.1	28.7	15.7	16.7	12.5	7.6	6.1	3.6	2.4
2	5.9	20.8	14.0	32.7	29.5	16.2	16.4	11.7	7.2	6.4	3.9	2.2
3	5.9	20.8	14.2	33.3	30.0	16.8	16.6	11.0	6.7	6.6	4.2	2.2
4	6.0	21.0	14.1	34.0	30.5	18.0	17.3	10.3	6.2	6.8	4.5	2.0
5	6.1	20.8	14.1	34.8	31.0	19.5	17.8	9.8	5.8	7.0	4.7	1.9
6	6.2	20.2	14.4	35.6	31.5	21.0	17.8	9.2	5.4	7.2	4.9	1.9
7	6.1	19.0	14.6	36.8	31.8	22.1	17.5	8.9	5.2	6.9	5.0	1.9
8	5.9	17.9	14.8	37.8	32.0	22.9	17.0	8.6	5.0	6.6	5.0	1.8
9	5.5	16.0	15.2	38.7	32.2	23.8	16.5	8.4	4.9	6.3	4.8	1.8
10	5.3	14.5	16.0	39.0	32.3	24.5	16.5	8.1	4.8	5.8	4.8	1.8
11	5.0	13.2	17.4	**39.20**	32.0	25.2	16.6	7.8	4.8	5.5	4.7	1.8
12	4.9	12.4	19.2	38.9	31.5	25.6	17.2	7.5	4.7	5.1	4.6	1.8
13	4.7	12.2	21.0	38.6	30.7	25.7	18.2	7.3	4.5	4.7	4.5	1.8
14	4.4	12.7	22.6	38.4	29.8	25.4	19.7	6.9	4.4	4.4	4.5	2.0
15	4.0	13.4	23.8	37.9	28.5	25.0	20.9	6.7	4.3	4.2	4.4	2.2
16	3.8	13.9	24.8	37.6	27.4	24.2	21.6	6.5	4.3	4.0	4.4	2.4
17	3.5	14.4	25.6	37.3	26.1	23.2	21.9	6.4	4.2	3.8	4.4	2.4
18	3.2	15.0	26.2	36.7	24.6	22.2	21.9	6.4	4.0	3.6	4.3	2.4
19	3.1	15.8	26.6	36.0	23.1	21.5	21.7	6.4	4.0	3.4	4.2	2.2
20	3.1	16.3	26.8	35.2	21.7	20.8	21.1	6.3	3.9	3.2	4.1	1.9
21	3.2	16.4	26.8	34.1	20.6	20.6	20.4	6.2	3.8	3.2	4.0	1.6
22	3.8	16.1	26.6	32.7	19.7	20.4	19.7	6.5	4.1	3.1	3.8	1.3
23	4.2	15.5	26.4	31.0	19.2	20.1	19.0	6.6	4.9	3.1	3.6	1.0
24	4.8	14.7	25.8	29.1	18.6	19.8	18.5	6.8	5.7	3.1	3.4	0.8
25	6.0	14.0	25.2	28.0	18.1	19.6	17.8	7.2	6.2	3.0	3.2	0.8
26	8.5	13.5	25.3	27.0	17.5	19.3	17.1	7.6	6.8	3.0	3.0	**0.65**
27	12.4	13.2	26.0	26.4	16.8	19.0	16.1	7.7	6.7	3.0	3.0	1.4
28	15.9	13.2	27.5	26.6	16.2	18.7	15.2	7.9	6.4	3.0	2.8	1.6
29	18.0	13.6	29.1	27.2	15.5	18.0	14.5	8.0	6.1	3.0	2.7	2.2
30	19.1		30.3	28.0	15.3	17.3	13.9	7.9	6.0	3.1	2.5	2.4
31	20.0		31.2		15.4		13.2	7.9		3.4		3.2

Mississippi River.—Mhoon Landing, Miss., 1904.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	3.7	22.0	15.0	34.7	31.9	16.9	18.9	13.7	6.6	4.2	0.1	—1.9
2	3.9	22.7	15.3	35.3	32.5	17.4	18.4	12.8	6.1	4.5	0.4	—2.0
3	3.9	23.0	15.5	35.9	33.0	18.0	18.3	11.6	5.4	4.8	0.8	—2.1
4	4.1	23.2	15.5	36.5	33.5	19.1	18.8	10.6	4.6	5.1	1.2	—2.3
5	4.3	23.2	15.5	36.9	34.0	20.9	19.5	9.9	3.9	5.4	1.5	—2.3
6	4.5	22.7	15.5	37.6	34.5	22.7	19.7	9.2	3.3	5.6	1.8	—2.4
7	4.5	21.9	15.9	38.2	34.8	24.2	19.5	8.5	2.9	5.5	1.9	—2.4
8	4.3	20.5	16.2	38.9	35.0	25.0	19.0	7.9	2.5	5.2	1.9	—2.5
9	4.0	18.9	16.5	39.5	35.3	26.0	19.0	7.5	2.4	4.9	1.8	—2.6
10	3.5	16.9	17.3	40.0	35.4	27.0	18.8	7.1	2.3	4.3	1.6	—2.8
11	3.1	15.3	18.4	40.2	35.3	27.8	18.6	6.7	2.3	3.9	1.4	—2.8
12	2.6	13.9	20.3	**40.3**	35.2	28.4	18.7	6.2	2.2	3.0	1.3	—2.8
13	2.2	13.3	22.5	**40.3**	34.7	28.7	19.7	5.8	1.8	2.5	1.1	—2.8
14	1.8	13.4	24.4	40.1	34.1	28.7	21.0	5.3	1.6	2.0	1.0	—2.7
15	1.4	14.0	25.9	40.0	33.2	28.4	22.6	5.1	1.4	1.5	0.9	—2.2
16	1.0	14.7	27.2	39.8	32.2	27.8	23.7	4.6	1.3	1.2	0.9	—1.9
17	0.6	15.4	28.3	39.7	31.0	27.0	24.3	4.4	1.3	0.8	0.9	—1.6
18	0.2	16.0	29.0	39.4	29.7	26.0	24.5	4.2	1.2	0.5	0.8	—1.6
19	—0.2	16.7	29.6	39.0	28.0	25.0	24.5	4.4	1.2	0.2	0.7	—1.8
20	—0.2	17.6	30.0	38.5	26.2	24.2	23.9	4.2	1.2	0.1	0.6	—2.4
21	0.0	18.0	30.1	37.9	24.7	23.5	23.4	4.1	0.9	—0.1	0.5	—2.8
22	0.6	17.9	30.2	37.1	23.2	23.3	22.6	4.4	1.0	—0.2	0.3	—3.3
23	1.5	17.5	30.1	36.0	22.4	22.9	21.9	4.6	1.9	—0.4	0.1	—3.9
24	2.2	16.7	29.7	34.9	21.6	22.6	21.2	4.8	3.0	—0.5	—0.1	—4.0
25	3.5	15.9	29.2	33.6	20.8	22.2	20.4	5.3	4.0	—0.6	—0.3	*—**4.4**
26	5.3	15.1	28.9	32.5	20.1	22.0	19.5	6.0	4.9	—0.6	—0.7	—4.3
27	10.9	14.6	29.2	31.4	19.0	21.7	18.3	6.4	5.2	—0.6	—1.0	—3.1
28	15.3	14.5	30.1	30.9	18.1	21.3	17.4	6.6	4.9	—0.5	—1.4	—2.3
29	19.5	14.6	31.6	31.0	17.4	20.6	16.3	6.8	4.4	—0.4	—1.7	—1.8
30	20.3		32.9	31.4	16.9	19.7	15.4	6.8	4.1	—0.3	—1.7	—1.5
31	21.4		33.8		16.7		14.5	6.8		0.0		—0.6

* 4 p. m.

Mississippi River.—Memphis, Tenn., 1903.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	28.9	11.0	34.0	35.9	34.1	18.5	20.6	14.3	9.7	9.9	9.4	5.5
2	28.0	12.0	34.2	35.2	33.8	19.0	19.6	13.9	9.6	9.8	9.3	5.6
3	26.7	13.5	34.3	34.5	33.0	19.7	18.7	13.4	9.7	9.9	9.2	5.9
4	25.0	15.0	34.3	* 33.8	31.8	20.9	18.0	13.0	9.9	10.0	9.0	6.0
5	23.5	15.8	34.4	33.1	29 5	22.7	17.4	12.5	10.3	10.0	8.9	5.8
6	22.2	16.8	34.4	32.5	27.4	24.6	16.6	12.2	11.0	10.0	8.8	5.5
7	21.4	18.4	34.3	31.5	25.6	26.1	16.4	11.8	11.6	10.0	8.7	5.0
8	20.7	21.3	34.4	30.6	23.8	27.5	16.1	11.5	12.0	10.0	8.5	4.6
9	20.6	23.9	34.4	29.8	22.0	28.7	15.6	11.1	12.0	10.0	8.3	4.0
10	20.7	25.8	34.7	29.2	20.5	29.7	15.1	11.0	11.7	10.1	8.2	3.8
11	21.0	27.1	35.4	28.7	19.4	30.6	14.8	11.0	11.2	10.4	8.2	3.5
12	21.2	28.2	35.6	28.4	18.4	31.0	14.6	11.4	11.0	10.7	8.4	3.2
13	21.3	29.0	36.2	28.3	17.6	31.5	14.5	12.0	11.2	11.4	8.5	3.1
14	21.2	29.6	36.8	28.4	17.1	31.9	14.4	12.4	11.3	12.0	8.5	2.9
15	20.9	30.2	38.0	28.6	16.6	32.3	14.2	12.7	11.5	12.8	8.3	2.6
16	20.4	30.8	39.2	28.9	16.1	32.5	13.9	12.8	11.9	13.2	8.0	2.4
17	19.5	31.4	39.5	29.5	15.5	32.8	13.6	12.7	12.5	13.2	7.9	2.1
18	18.5	31.8	39.7	30.1	15.0	33.0	13.4	12.5	13.0	13.0	7.5	1.8
19	17.2	32.3	40.0	30.8	14.8	33.0	13.4	12.4	13.2	12.8	7.1	1.3
20	16.0	32.6	**40.10**	31.6	14.8	33.0	13.6	12.2	13.5	12.5	6.8	1.2
21	15.1	32.9	39.8	32.0	15.5	32.6	14.1	12.0	13.5	12.1	6.6	1.1
22	14.2	33.1	39.7	32.5	16.1	32.1	14.7	11.8	13.4	11.7	6.3	1.0
23	13.6	33.2	39.5	32.9	16.7	31.1	15.1	11.7	13.2	11.3	6.1	**0.95**
24	13.0	33.2	39.4	33.2	16.8	29.5	15.0	11.8	13.0	11.0	6.0	1.3
25	12.6	33.3	39.1	33.5	16.8	27.9	14.7	11.8	12.7	10.9	6.0	2.0
26	11.9	33.4	38.8	33.8	16.4	26.2	14.4	11.8	12.2	10.7	6.0	3.0
27	11.4	33.6	38.4	34.0	16.0	24.9	14.1	11.5	11.6	10.5	6.0	4.0
28	11.1	33.9	38.0	34.3	15.7	23.6	14.0	11.0	11.0	10.3	6.0	4.5
29	10.7		37.5	34.4	15.9	22.6	14.1	10.6	10.5	10.0	5.9	4.8
30	10.5		37.0	34.3	16.7	21.6	14.3	10.2	10.1	9.8	5.7	5.2
31	10.3		36.6		17.8		14.6	10.0		9.6		5.6

* 4 p. m.

Mississippi River.—Memphis, Tenn., 1902.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	11.3	10.9	6.7	23.4	12.3	13.7	12.6	19.6	11.2	4.4	8.6	8.4
2	10.6	13.4	8.3	23.8	11.9	15.0	13.0	19.0	11.7	5.3	7.6	9.5
3	10.8	16.2	10.2	24.7	11.9	15.5	14.0	18.4	11.9	6.4	7.0	10.8
4	11.8	19.0	12.0	25.9	12.4	15.7	15.1	18.0	12.0	7.7	6.4	11.7
5	13.6	20.9	14.3	26.9	13.0	15.6	17.1	17.4	11.9	8.4	5.9	12.6
6	15.5	22.5	17.0	27.8	13.4	15.4	19.0	16.7	11.5	8.8	5.4	13.5
7	17.6	23.7	19.5	28.5	13.9	15.3	20.5	16.0	11.2	9.2	5.0	13.9
8	19.4	24.5	21.7	28.9	14.4	15.2	21.6	15.2	11.1	9.8	4.6	14.4
9	20.5	25.0	23.3	29.2	14.6	15.0	22.1	14.5	11.2	10.2	4.2	15.4
10	21.0	25.4	24.8	29.4	14.5	14.7	22.4	14.0	11.0	10.5	4.0	16.0
11	21.0	25.5	25.8	29.4	13.7	14.2	22.3	13.5	10.8	11.2	4.0	16.5
12	20.7	25.2	26.8	29.3	12.7	13.6	22.1	13.2	10.2	11.9	4.1	16.6
13	20.1	24.3	27.7	28.8	11.6	13.0	21.9	13.0	9.5	12.5	4.2	16.6
14	19.0	22.7	28.4	27.8	10.6	12.8	21.5	12.6	8.6	12.8	4.5	16.2
15	17.3	20.5	28.9	26.0	10.2	12.8	21.1	12.2	8.0	12.4	4.8	16.8
16	15.2	17.6	29.5	24.1	9.9	13.0	20.9	11.9	7.5	11.9	4.9	17.7
17	12.8	15.1	30.0	22.0	9.8	13.0	20.8	11.5	6.8	11.3	4.9	19.2
18	10.3	12.5	30.3	20.3	9.7	13.3	20.7	11.1	6.5	10.7	4.7	22.0
19	8.3	10.5	30.6	19.3	9.6	13.8	20.6	10.7	6.0	10.1	4.5	24.0
20	6.8	9.0	30.8	18.9	9.4	13.8	20.6	10.2	5.4	9.8	4.4	25.5
21	5.5	8.0	* **30.90**	18.9	9.4	13.7	20.6	9.7	5.0	9.4	4.4	26.7
22	5.0	7.0	30.8	19.0	9.3	13.4	20.7	9.4	4.8	9.3	4.3	27.4
23	4.4	6.2	30.4	19.1	9.1	13.1	20.8	9.3	4.5	9.1	4.5	28.0
24	4.2	5.8	30.0	18.9	9.0	12.8	20.8	9.3	4.2	9.1	5.0	28.6
25	4.0	5.4	29.5	18.2	8.9	12.5	20.6	9.6	3.8	9.1	5.8	29.0
26	4.2	5.1	28.6	17.4	8.8	12.2	20.4	10.1	3.5	9.4	6.4	29.4
27	5.0	5.1	28.0	16.3	8.6	11.9	20.2	10.4	3.2	9.8	6.8	29.6
28	5.5	5.6	27.0	15.3	8.5	11.8	20.0	10.8	3.0	10.0	7.0	29.9
29	6.2		25.5	14.2	8.9	12.2	19.9	10.9	**2.90**	10.0	7.2	30.0
30	7.5		24.4	13.2	10.4	12.6	19.6	11.0	3.5	9.7	7.6	30.0
31	9.2		23.6		12.0		19.4	11.1		9.3		29.5

* 4 p. m.

Mississippi River.—Memphis, Tenn., 1901.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	6.3	10.3	4.7	20.6	30.9	18.5	17.0	5.6	15.0	6.9	1.2	**−0.3**
2	6.4	9.6	4.5	21.0	31.2	19.3	18.0	5.4	13.7	6.4	1.1	**−0.3**
3	6.5	9.3	4.3	21.5	31.5	19.9	18.8	5.1	12.5	5.7	1.0	−0.2
4	6.5	9.3	4.2	22.2	31.8	19.9	19.0	4.9	11.0	4.9	1.0	0.0
5	6.4	9.0	4.2	23.3	32.0	19.6	19.1	4.7	9.7	4.5	0.8	0.1
6	6.4	9.2	4.0	24.4	* **32.12**	19.3	18.5	4.6	8.6	3.9	0.8	0.2
7	6.6	9.8	3.7	25.1	32.1	19.4	17.5	4.5	7.6	3.5	0.7	0.2
8	6.7	10.8	3.5	25.8	32.0	19.6	16.5	4.4	7.0	3.0	0.6	0.2
9	6.8	11.9	3.4	26.3	31.7	19.9	14.8	4.3	6.5	2.8	0.5	0.6
10	7.0	12.8	3.7	26.7	31.2	19.9	13.5	3.9	6.2	2.6	0.4	1.2
11	7.1	13.3	4.2	27.0	30.3	19.6	12.6	3.7	6.0	2.4	0.3	1.7
12	6.8	13.5	4.8	27.5	28.6	19.1	11.6	3.5	5.7	2.4	0.2	2.0
13	6.5	13.3	6.3	28.0	26.4	18.6	10.8	3.3	5.5	2.4	0.2	2.2
14	6.2	13.0	9.0	28.5	23.3	17.8	10.6	3.0	5.6	2.4	0.1	2.6
15	6.5	12.5	13.0	28.8	20.2	17.1	10.3	3.0	5.4	2.6	0.1	2.8
16	7.8	12.1	17.5	29.0	17.3	16.3	10.0	3.1	5.0	2.8	0.1	3.2
17	9.9	11.4	21.0	28.9	15.4	15.8	9.5	4.0	4.6	3.0	0.0	4.4
18	12.5	10.6	22.5	28.8	14.0	15.4	9.0	4.5	4.4	2.8	0.0	6.3
19	14.0	10.0	23.1	28.7	13.2	15.2	8.7	5.1	4.4	2.5	0.0	7.7
20	15.2	9.3	23.5	28.5	12.8	15.0	8.5	5.7	4.6	2.2	0.0	9.0
21	16.7	8.6	23.8	28.2	12.5	14.6	8.1	7.0	4.9	2.0	−0.1	10.6
22	17.8	8.0	23.8	28.3	12.4	14.1	7.8	9.2	5.4	2.0	−0.1	12.6
23	18.5	7.6	23.6	28.1	12.3	13.5	7.5	11.0	6.2	1.9	0.0	14.6
24	18.8	7.0	23.5	28.0	12.3	13.0	7.0	12.8	6.8	1.9	0.0	16.2
25	18.0	6.6	23.4	28.2	12.6	12.9	6.9	14.0	7.2	1.9	−0.1	17.5
26	16.2	6.0	23.2	28.5	12.7	13.2	6.8	15.0	8.0	1.9	−0.2	18.2
27	15.0	5.5	22.9	29.0	12.8	14.0	6.6	15.8	8.4	1.8	−0.2	17.9
28	13.6	5.0	22.5	29.5	13.5	15.0	6.4	16.4	8.5	1.7	−0.2	17.0
29	12.6		22.0	30.0	14.4	15.9	6.1	16.7	8.1	1.6	−0.2	15.7
30	11.8		21.5	30.5	16.0	16.6	5.9	16.5	7.7	1.4	−0.2	14.3
31	11.0		21.0		18.0		5.8	15.9		1.3		12.7

* 4 p. m.

Mississippi River.—Mhoon Landing, Tenn., 1901.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	? 6.3	? 12.2	? 5.6	? 24.6	33.9	? 18.6	? 16.3	? 4.7	? 17.4	? 8.3	−1.7	.....
2	? 6.6	? 11.5	? 5.2	? 24.7	34.2	? 19.4	? 17.7	? 4.4	? 16.2	? 7.6	−1.9	.....
3	? 6.7	? 10.8	? 4.8	? 25.0	34.5	? 20.0	? 19.2	? 4.1	? 14.9	? 6.8	−2.0	.....
4	? 6.8	? 10.4	? 4.7	? 25.3	34.8	? 20.6	? 20.4	? 3.7	? 13.4	? 6.1	−2.0	.....
5	? 6.8	? 10.1	? 4.6	? 25.7	35.0	? 21.2	? 21.5	? 3.5	? 11.8	? 5.3	−2.1	.....
6	? 6.8	? 10.0	? 4.5	26.4	35.2	? 21.7	? 21.7	? 3.4	? 10.2	? 4.5	−2.3	.....
7	? 6.8	? 10.8	? 4.4	27.3	35.3	? 22.2	? 20.5	? 3.2	? 8.6	? 3.7	−2.4	.....
8	? 6.9	? 11.9	? 4.3	28.0	**35.4**	? 22.4	? 19.5	? 3.0	? 6.9	.....	−2.5	*−2.7
9	? 7.0	? 13.1	? 4.2	28.8	35.3	? 22.5	? 17.5	? 2.8	? 6.4	.....	−2.5	*−2.3
10	? 7.1	? 13.7	? 4.3	29.6	35.0	? 22.3	? 16.5	? 2.6	? 5.9	.....	−2.6	−1.7
11	? 7.2	? 14.3	? 4.8	30.1	34.5	? 22.0	? 15.3	? 2.3	? 5.4	.....	−2.7	−1.0
12	? 7.2	? 14.7	? 5.8	30.6	33.5	? 21.5	? 14.0	? 2.0	? 5.0	? 0.9	−2.8	−0.3
13	? 7.2	? 15.0	? 6.8	31.1	32.2	? 21.0	? 12.5	? 1.7	? 4.7	? 0.8	−2.9	0.2
14	? 6.9	? 15.4	? 8.7	31.6	? 30.0	? 19.4	? 11.7	? 1.3	? 4.6	? 0.8	−3.0	0.7
15	? 6.8	? 15.2	? 12.3	32.1	? 27.0	? 18.7	? 11.1	? 1.1	? 4.5	? 0.9	−3.1	1.5
16	? 7.2	? 14.5	? 16.3	32.3	? 24.0	? 17.6	? 10.7	? 1.4	? 4.5	? 1.2	−3.2	1.8
17	? 9.1	? 13.9	? 20.3	32.4	? 21.0	? 16.9	? 10.2	? 2.3	? 4.5	? 1.5	−3.3	3.3
18	? 11.4	? 13.0	? 23.5	32.4	? 18.5	? 16.2	? 9.8	? 3.3	? 4.5	? 1.8	−3.4	5.4
19	? 13.5	? 12.1	? 25.0	32.4	? 16.0	? 15.7	? 9.5	? 4.5	? 4.5	? 1.6	−3.4	7.1
20	? 15.7	? 11.2	? 25.7	32.0	? 14.8	? 15.0	? 9.2	? 5.6	? 4.6	? 1.2	−3.4	8.6
21	? 17.2	? 10.4	? 26.0	31.8	? 14.2	? 14.4	? 8.8	? 6.8	? 4.9	? 0.8	−3.4	10.6
22	? 18.6	? 9.6	? 26.4	31.7	? 13.8	? 14.0	? 8.3	? 8.7	? 5.5	? 0.3	−3.4	12.9
23	? 19.7	? 8.9	? 26.7	31.6	? 13.6	? 12.7	? 7.8	? 11.5	? 6.4	?−0.2	−3.4	15.3
24	? 20.4	? 8.1	? 26.8	31.5	? 13.4	? 12.3	? 7.4	? 13.0	? 7.5	?−0.4	−3.4	17.3
25	? 20.6	? 7.4	? 26.8	31.5	? 13.6	? 12.1	? 7.1	? 14.7	? 8.3	?−0.5	−3.4	19.2
26	? 19.5	? 7.0	? 26.4	31.9	? 13.9	? 12.2	? 6.7	? 16.0	? 8.7	−0.5	−3.4	20.3
27	? 18.0	? 6.5	? 26.1	32.3	? 14.2	? 12.6	? 6.4	? 17.0	? 9.4	−0.6	−3.4	20.4
28	? 16.5	? 6.0	? 25.8	32.8	? 14.5	? 13.2	? 6.1	? 17.9	? 9.7	−0.9	−3.5	19.9
29	? 15.0		? 25.4	33.3	? 15.2	? 13.9	? 5.7	? 18.6	? 9.5	−1.0	−3.6	18.6
30	? 14.0		? 24.9	33.6	? 16.2	? 14.9	? 5.4	? 18.9	? 9.0	−1.3	*−**3.8**	17.3
31	? 13.0		? 24.9		? 17.4		? 5.0	? 18.3		−1.5		15.6

Mississippi River.—Memphis, Tenn., 1900.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	10.7	16.2	21.1	24.5	22.0	9.0	22.6	10.4	4.7	3.2	5.6	20.2
2	10.2	15.2	20.1	24.0	21.2	9.0	23.2	10.7	4.7	3.2	5.7	20.9
3	9.6	14.1	19.4	23.1	20.3	9.1	23.6	11.0	4.7	3.2	5.9	? 21.7
4	8.5	12.9	18.8	22.1	19.3	9.4	23.5	11.2	4.8	3.4	6.2	23.0
5	7.3	11.6	18.4	21.2	18.1	9.8	23.0	11.4	5.1	3.7	6.5	23.5
6	6.2	10.1	18.4	20.0	16.7	10.2	22.5	11.4	5.4	4.1	6.5	24.0
7	5.2	8.6	18.3	19.2	15.4	10.8	21.5	11.1	5.5	4.6	6.4	24.1
8	4.7	7.7	18.1	18.3	14.6	11.5	20.3	10.7	5.6	5.0	6.4	23.6
9	3.9	7.2	18.3	18.1	13.9	12.5	18.8	10.2	5.6	5.2	6.3	22.8
10	3.7	6.8	19.9	17.7	13.1	13.4	17.1	9.5	5.5	5.5	6.4	21.5
11	3.6	7.3	22.2	17.9	12.9	13.7	15.1	8.9	5.3	5.7	6.4	20.0
12	3.6	9.7	24.1	18.0	12.6	13.9	13.7	8.3	5.0	5.9	6.6	18.2
13	3.6	12.8	25.6	17.8	12.2	13.9	12.6	7.6	4.6	6.1	6.6	16.7
14	3.6	15.6	26.7	17.8	11.9	14.4	11.7	6.8	4.3	6.2	6.6	15.5
15	3.6	18.1	27.6	18.1	11.5	15.1	10.8	6.1	4.0	6.4	6.5	14.6
16	3.6	19.6	28.0	18.7	11.3	15.4	10.1	5.4	3.6	6.2	6.3	14.0
17	4.4	20.4	28.6	19.3	11.2	15.6	9.5	4.8	3.2	5.9	6.1	13.5
18	5.7	20.9	28.8	19.9	11.0	16.1	8.9	4.3	2.9	5.8	5.9	13.0
19	7.3	21.7	* **29.47**	20.0	10.6	18.2	8.3	3.8	2.5	5.8	5.8	12.2
20	8.6	22.2	29.4	19.8	10.4	18.9	7.8	3.4	2.5	5.6	5.6	11.3
21	9.5	22.8	29.1	19.3	9.9	18.6	7.5	3.2	2.5	5.5	6.2	10.7
22	10.7	23.3	28.8	19.3	9.4	18.1	7.3	3.0	2.3	5.2	6.5	9.7
23	11.5	23.6	28.1	19.6	9.2	17.1	7.1	3.0	2.2	4.9	6.7	8.8
24	13.0	23.7	27.0	20.3	9.2	16.4	7.0	3.3	**2.11**	4.8	7.9	8.0
25	14.5	23.6	25.9	21.1	9.0	16.1	7.0	3.8	2.3	4.6	10.2	7.1
26	15.8	23.1	24.9	21.7	8.8	16.5	7.2	4.3	2.6	4.6	12.4	6.5
27	16.5	22.3	24.3	22.0	8.8	17.6	7.8	4.6	2.8	4.9	14.8	6.0
28	17.2	21.5	24.1	22.3	8.7	19.0	8.7	4.8	2.9	5.0	16.3	6.0
29	17.5		24.2	22.7	8.7	20.4	9.7	4.8	3.1	5.2	18.0	6.0
30	17.1		24.4	22.7	8.7	21.6	10.1	4.8	3.2	5.3	19.2	5.9
31	16.7		24.6		8.9		10.3	4.8		5.4		6.0

* 4 p. m.

Mississippi River.—Mhoon Landing, Miss., 1900.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	10.3	17.6	23.8	27.2	25.1	9.0	24.3	11.2	—0.1	—1.9	4.9	21.9
2	9.7	16.6	22.9	27.4	24.5	9.2	25.7	11.5	—0.2	—1.7	5.1	22.9
3	8.8	15.5	22.0	27.2	23.9	9.4	26.2	11.7	—0.2	—1.5	5.3	23.9
4	7.7	14.0	21.4	26.0	22.8	9.7	26.6	11.8	·0.0	—1.2	5.5	24.9
5	6.3	12.2	20.9	24.8	21.4	10.2	26.7	11.9	0.3	—0.8	5.8	26.0
6	4.4	10.3	20.5	23.4	20.0	10.7	26.1	12.0	0.6	—0.4	6.1	26.6
7	3.0	8.7	20.2	22.2	18.7	11.4	25.0	12.1	0.9	0.1	6.0	26.8
8	2.1	7.7	20.1	21.2	17.7	12.4	23.8	11.8	1.2	0.9	5.8	26.5
9	1.3	7.2	20.2	20.8	16.8	13.7	22.3	11.3	1.3	1.8	5.7	25.9
10	0.8	6.8	21.5	20.4	16.0	14.9	20.8	10.2	1.2	2.3	5.8	25.0
11	0.6	7.2	23.3	20.1	15.2	15.7	18.5	9.0	0.9	3.2	5.9	23.7
12	0.5	8.0	25.3	20.0	14.5	16.2	16.5	8.0	0.5	3.7	6.1	22.3
13	0.5	10.8	27.3	19.9	14.0	16.4	14.8	7.0	0.2	4.2	6.3	20.0
14	0.4	14.2	28.6	19.9	13.7	16.8	13.2	6.1	0.0	4.6	6.3	18.5
15	0.3	17.6	29.6	19.9	13.3	17.8	12.3	5.2	—0.3	4.8	6.1	17.5
16	0.5	19.8	30.6	20.3	12.9	18.4	11.6	4.3	—0.8	4.6	5.9	16.3
17	1.0	21.4	31.6	21.0	12.6	18.5	11.0	3.4	—1.3	4.4	5.7	15.4
18	2.3	22.4	32.2	21.8	12.3	18.3	10.3	2.6	—1.7	4.3	5.5	14.7
19	4.0	23.4	32.4	22.1	12.0	19.2	9.7	1.7	—2.1	4.2	5.3	14.1
20	6.0	24.0	**32.5**	22.2	11.5	20.4	9.1	0.9	—2.4	4.1	5.2	13.5
21	7.8	24.5	**32.5**	22.0	10.8	21.1	8.6	0.0	—2.7	3.9	5.5	12.7
22	9.2	25.0	32.4	21.7	10.1	20.8	8.2	—0.9	—3.0	3.6	6.0	11.9
23	10.4	25.5	31.6	21.6	9.7	20.2	7.9	—1.4	—3.3	3.3	6.6	10.0
24	12.5	25.7	30.8	22.0	9.5	19.3	7.8	—1.5	—3.6	3.1	7.6	9.2
25	14.4	25.8	30.0	23.0	9.3	18.8	7.8	—1.4	—3.7	3.0	9.1	8.3
26	15.9	25.4	29.0	23.8	9.1	18.9	8.2	—1.1	**—3.83**	3.0	11.5	7.7
27	17.0	24.9	28.0	24.3	9.0	19.7	8.6	—0.8	—3.5	3.3	14.5	7.1
28	17.8	24.4	27.4	24.8	8.9	20.9	9.3	—0.5	—3.0	3.5	17.5	6.4
29	18.2		27.3	25.2	8.8	22.3	10.0	—0.2	—2.5	3.8	19.3	6.0
30	18.4		27.2	25.3	8.8	23.3	10.5	0.0	—2.1	4.3	20.8	5.9
31	18.2		27.2		8.9		10.9	—0.1		4.6		6.0

Mississippi River.—Memphis, Tenn., 1899.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	15.2	24.3	22.1	**35.20**	26.2	22.0	14.9	11.5	5.3	2.1	**0.54**	3.0
2	15.6	23.0	24.2	**35.20**	26.3	21.6	14.7	11.3	5.1	2.0	0.6	2.8
3	15.6	21.5	26.2	**35.20**	26.2	20.9	14.6	11.1	4.9	2.0	0.7	2.8
4	15.3	19.9	27.7	**35.20**	25.9	20.3	14.6	11.0	4.7	1.8	0.8	2.7
5	14.9	18.4	28.8	**35.20**	25.6	19.8	14.5	10.8	4.4	1.8	0.8	2.7
6	14.4	16.5	29.6	**35.20**	25.1	19.6	14.4	10.6	4.2	1.6	0.8	2.7
7	13.8	15.0	30.3	**35.20**	24.2	19.4	14.6	10.4	4.1	1.6	0.8	2.7
8	13.4	14.1	30.8	**35.20**	23.2	19.3	14.9	10.1	4.0	1.4	0.8	2.7
9	13.3	14.4	31.2	**35.20**	22.4	19.4	15.2	9.8	3.8	1.4	0.9	2.6
10	14.0	15.4	31.5	**35.20**	21.8	19.4	15.4	9.7	3.6	1.3	1.0	2.4
11	16.2	17.3	31.8	**35.20**	20.8	19.4	15.5	9.5	3.2	1.2	1.1	2.5
12	18.6	19.2	32.0	35.2	20.4	19.2	15.5	9.3	3.0	1.1	1.2	2.5
13	20.9	20.8	32.2	35.1	20.7	19.2	15.4	9.3	2.9	1.0	1.4	2.5
14	23.0	22.0	32.4	34.9	21.2	19.2	15.4	9.9	2.8	1.0	1.5	2.6
15	24.7	23.0	32.6	34.8	22.4	19.2	15.4	10.8	2.8	0.9	1.6	2.6
16	26.2	23.8	32.8	34.6	23.1	19.2	15.4	11.1	2.8	0.8	1.7	2.8
17	27.3	24.1	33.0	34.1	23.9	19.6	15.4	11.3	2.8	0.8	1.8	3.4
18	28.2	24.2	33.4	33.7	24.5	19.7	15.1	11.3	2.8	0.8	2.0	4.4
19	28.5	23.6	33.7	33.0	25.0	19.3	14.7	11.2	2.8	0.8	2.2	5.5
20	28.6	22.5	34.0	31.8	25.0	18.6	14.4	10.9	2.7	0.8	2.4	6.2
21	28.8	21.4	34.1	30.3	24.9	18.1	14.0	10.4	2.6	0.8	2.7	6.6
22	29.0	20.2	34.4	28.5	24.1	17.8	13.8	9.8	2.6	0.8	2.9	6.7
23	29.0	19.4	34.5	26.7	23.4	17.8	13.6	9.2	2.5	0.8	3.0	6.7
24	29.0	19.0	34.7	25.0	22.7	17.8	13.5	8.6	2.6	0.8	2.9	7.1
25	28.9	18.4	34.8	23.8	21.6	17.7	13.2	8.1	2.6	0.8	2.9	8.2
26	28.5	18.4	34.9	23.3	21.2	17.6	12.8	7.8	2.5	0.8	2.8	9.4
27	27.9	18.8	35.0	23.7	21.2	17.3	12.4	7.5	2.5	0.7	2.8	10.3
28	27.6	20.0	35.1	24.5	21.4	16.6	12.4	7.0	2.4	0.6	2.9	10.6
29	27.3		35.1	25.3	21.7	16.0	12.2	6.4	2.3	0.6	3.0	10.8
30	26.4		35.1	25.8	22.1	15.4	12.0	6.0	2.2	0.6	3.0	10.8
31	25.6		35.1		22.2		11.7	5.6		0.54		10.8

Mississippi River.—Mhoon Landing, Miss., 1899.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	15.2	28.2	23.2	37.7	29.5	24.6	16.6	11.1	2.7	−2.2	**−4.8**	−0.8
2	15.8	26.8	25.4	37.8	29.6	24.3	16.3	10.8	2.2	−2.4	**−4.8**	−0.8
3	16.0	25.3	27.6	37.9	29.6	23.8	16.1	10.5	1.7	−2.5	−4.7	−0.9
4	16.0	23.8	29.6	37.9	29.6	23.0	15.9	10.2	1.3	−2.6	−4.6	−1.0
5	15.8	21.8	31.0	37.9	29.3	22.5	15.8	10.0	1.0	−2.7	−4.5	−1.1
6	15.2	19.7	31.9	37.9	28.7	22.0	15.8	9.9	0.6	−2.9	−4.4	−1.2
7	14.5	17.7	32.6	**38.0**	28.0	21.6	15.8	9.5	0.3	−3.1	−4.4	−1.3
8	14.0	16.3	33.3	**38.0**	27.0	21.3	16.1	9.2	0.1	−3.3	−4.5	−1.4
9	13.8	15.8	33.7	**38.0**	25.8	21.0	16.4	9.0	−0.1	−3.4	−4.5	−1.5
10	13.9	16.1	34.2	**38.0**	24.6	21.2	16.6	8.7	−0.4	−3.6	−4.3	−1.5
11	15.5	17.4	34.5	**38.0**	23.7	21.2	16.9	8.4	−0.7	−3.8	−4.1	−1.5
12	18.2	19.3	34.8	**38.0**	23.0	21.2	17.1	8.1	−0.9	−4.0	−3.8	−1.5
13	20.7	20.6	35.1	**38.0**	22.5	21.2	17.0	8.0	−1.0	−4.1	−3.6	−1.5
14	23.3	23.3	35.3	**38.0**	22.6	21.2	16.8	8.2	−1.1	−4.2	−3.4	−1.5
15	25.7	24.7	35.4	37.9	23.5	21.2	16.8	9.0	−1.2	−4.3	−3.3	−1.4
16	27.6	25.7	35.5	37.8	24.7	21.2	16.8	9.9	−1.3	−4.4	−3.1	−1.2
17	29.2	26.4	35.7	37.6	26.0	21.3	16.7	10.7	−1.3	−4.5	−2.9	−0.9
18	30.2	26.6	35.9	37.3	27.0	21.4	16.5	11.1	−1.3	−4.5	−2.6	0.0
19	30.8	26.6	36.0	37.0	27.6	21.6	16.0	11.1	−1.4	−4.5	−2.3	1.9
20	31.2	25.5	36.2	36.5	27.9	21.0	15.5	10.8	−1.5	−4.5	−2.0	3.2
21	31.5	24.3	36.4	35.5	27.9	20.5	15.1	10.3	−1.6	−4.5	−1.7	4.3
22	31.7	23.5	36.6	34.4	27.4	20.2	14.8	9.5	−1.7	−4.5	−1.4	5.2
23	31.8	22.4	36.7	32.8	26.8	20.0	14.4	8.7	−1.7	−4.5	−1.2	6.0
24	31.9	21.4	36.8	31.3	25.9	19.7	14.1	7.9	−1.7	−4.5	−1.1	6.3
25	31.9	20.8	36.9	29.5	25.1	19.6	13.7	7.1	−1.6	−4.5	−1.0	6.4
26	31.9	20.6	37.1	28.4	24.2	19.5	13.2	6.3	−1.6	−4.5	−1.0	7.0
27	31.5	20.7	37.2	27.9	23.9	19.0	12.7	5.6	−1.7	−4.5	−1.0	7.9
28	31.0	21.4	37.3	28.1	23.8	18.4	12.2	4.8	−1.8	−4.6	−1.0	9.0
29	30.5		37.4	28.7	24.0	17.8	11.9	4.2	−1.9	−4.7	−1.0	9.9
30	29.9		37.5	29.2	24.3	17.0	11.7	3.7	−2.1	**−4.8**	−0.9	10.4
31	29.2		37.6		24.6		11.4	3.2		**−4.8**		10.5

Stages of the Mississippi River and Tributaries.

Mississippi River.—Memphis, Tenn., 1898.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	11.8	33.5	17.8	33.3	20.8	24.9	16.2	8.9	9.0	6.2	9.0	10.6
2	11.2	33.5	17.7	33.8	21.3	24.2	17.2	9.2	9.0	6.6	9.7	10.6
3	10.4	33.5	17.5	34.2	21.1	23.6	17.9	9.4	8.9	6.8	10.8	10.2
4	9.6	33.6	17.4	34.8	20.6	22.9	18.2	9.7	8.6	7.1	11.4	9.9
5	8.8	33.6	17.0	35.4	20.2	22.2	18.2	9.9	8.0	7.2	11.5	9.2
6	8.0	33.6	16.6	36.3	20.2	21.5	17.9	10.2	7.3	6.7	11.1	8.4
7	7.2	33.4	16.0	36.6	20.8	20.9	17.3	10.7	6.8	6.2	10.4	7.8
8	6.5	33.1	15.1	36.7	22.0	20.3	16.4	11.2	6.4	5.8	9.6	7.2
9	5.9	32.4	14.2	37.0	22.9	19.8	15.6	11.5	6.0	5.4	8.8	6.8
10	5.4	31.0	13.2	37.2	23.5	19.0	14.9	11.8	5.7	5.1	8.4	6.6
11	5.3	29.0	12.2	37.2	23.6	18.2	15.0	11.6	6.3	4.8	7.8	6.4
12	5.8	26.4	11.3	37.1	23.5	17.3	15.6	11.5	7.2	4.6	7.4	6.5
13	6.3	23.4	10.8	37.0	23.4	16.4	16.0	11.6	8.2	4.8	7.3	6.6
14	7.0	20.2	10.4	37.0	23.3	15.8	16.0	12.6	9.0	5.8	7.4	6.8
15	9.5	16.8	11.0	36.8	22.8	15.6	15.6	14.0	9.3	6.6	7.9	6.9
16	13.9	14.5	12.3	36.5	22.2	15.9	15.1	14.6	9.2	6.9	8.5	6.9
17	17.9	12.9	14.1	36.1	21.4	16.4	14.2	15.3	8.9	6.9	9.2	6.7
18	20.8	12.2	17.3	35.6	20.8	17.1	13.4	16.1	8.4	6.8	10.0	6.3
19	22.9	12.0	20.2	35.0	20.1	17.6	12.6	17.6	7.8	6.6	10.9	6.0
20	24.9	12.0	22.1	34.0	19.8	18.2	11.8	18.7	7.3	6.0	11.7	5.9
21	26.4	12.2	23.6	32.3	20.3	18.9	11.1	19.2	7.0	5.7	12.2	5.8
22	27.8	12.8	24.9	30.2	21.2	19.2	10.5	19.0	7.3	5.3	12.6	5.8
23	29.2	13.8	26.0	28.2	21.8	19.1	9.6	18.2	7.5	5.1	12.6	5.9
24	30.0	15.0	27.1	26.5	22.4	18.6	8.8	17.2	7.5	5.1	12.4	6.0
25	31.0	16.3	28.1	24.9	23.4	17.9	8.5	16.0	7.2	5.4	12.0	6.2
26	31.3	17.1	29.2	23.6	24.8	16.9	8.4	14.7	6.7	6.0	11.5	6.8
27	32.0	17.7	30.2	22.4	25.7	16.0	8.4	13.5	6.2	6.9	10.9	8.0
28	32.4	17.9	31.0	21.4	26.3	15.4	7.9	12.2	5.8	7.8	10.4	10.0
29	32.8		31.6	20.7	26.4	15.4	7.8	11.0	5.7	8.6	10.2	11.9
30	33.1		32.3	20.6	26.3	15.7	8.0	10.0	5.8	8.8	10.3	13.5
31	33.2		32.9		25.7		8.4	9.3		8.8		14.6

Mississippi River.—Mhoon Landing, Miss., 1898.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	10.3	35.1	18.8	34.9	24.7	27.8	16.4	6.5	7.3	2.7	7.1	9.1
2	9.9	35.3	18.6	35.3	24.6	27.1	17.1	7.0	6.9	3.1	7.5	9.2
3	8.7	35.6	18.3	35.6	24.5	26.4	17.8	7.4	6.6	3.6	8.4	9.3
4	7.4	35.7	18.2	36.0	24.0	25.6	18.6	7.8	6.3	4.1	9.8	9.2
5	6.3	35.8	17.8	36.4	23.5	24.8	18.9	8.2	5.9	4.4	10.4	8.5
6	5.3	35.8	17.5	36.7	23.3	24.0	18.9	8.7	5.3	4.5	10.6	7.5
7	4.5	35.8	16.9	37.1	23.4	23.3	18.3	9.4	4.5	3.9	9.9	6.4
8	3.7	35.5	16.2	37.5	24.1	22.6	17.6	10.0	3.6	3.3	8.8	6.0
9	3.0	35.1	15.1	37.8	25.1	21.8	16.6	10.6	2.8	2.6	7.8	5.5
10	2.4	34.3	13.9	38.1	25.9	21.0	15.6	11.1	1.9	1.9	7.0	5.2
11	1.9	33.2	12.6	38.4	26.3	20.2	15.2	11.2	2.2	1.4	6.2	5.0
12	1.7	31.4	11.6	38.6	26.4	19.4	15.4	11.2	3.3	0.9	5.4	4.8
13	2.6	28.7	10.6	38.8	26.5	18.6	15.8	11.2	4.8	0.8	5.1	4.9
14	3.6	25.1	10.1	38.9	26.5	17.9	16.1	11.5	6.0	1.8	5.0	5.2
15	6.4	21.8	10.3	39.1	26.1	17.3	16.0	12.9	6.8	2.8	5.4	5.5
16	10.4	18.6	11.3	39.1	25.5	16.8	15.5	14.3	7.1	3.6	6.0	5.6
17	14.9	16.0	13.4	38.9	24.8	16.9	14.7	15.1	6.8	4.0	6.8	5.5
18	18.7	14.2	16.4	38.7	23.9	17.4	13.7	16.0	6.2	4.1	7.8	5.2
19	22.0	13.3	19.7	38.5	23.2	18.0	12.7	17.3	5.6	3.7	9.0	4.9
20	24.4	12.7	22.3	38.1	22.6	18.7	11.8	18.6	4.9	3.2	9.9	4.6
21	26.5	12.2	24.8	37.3	22.3	19.5	10.7	19.6	4.3	2.6	10.9	4.3
22	28.7	12.5	26.1	36.2	22.9	20.1	9.6	19.9	4.2	2.1	11.7	4.1
23	30.2	13.0	27.7	35.0	23.8	20.3	8.6	19.7	4.4	1.8	12.2	4.1
24	31.3	14.0	28.8	33.3	24.5	19.9	7.7	18.8	4.6	1.6	12.1	4.4
25	32.3	15.4	29.9	31.9	25.3	19.2	6.9	17.8	4.4	1.7	11.6	4.8
26	32.8	16.8	30.9	30.1	26.0	18.3	6.5	16.5	3.8	2.2	11.0	5.3
27	33.4	17.8	31.9	28.4	27.2	17.3	6.2	15.0	3.2	3.6	10.4	6.5
28	33.9	18.5	32.4	26.7	28.0	16.5	5.9	13.0	2.5	4.6	9.7	8.0
29	34.2		33.1	25.4	28.4	16.0	5.5	11.3	2.2	5.9	9.4	10.0
30	34.5		33.8	24.8	28.6	15.9	5.6	9.6	2.4	6.5	9.2	12.3
31	34.8		34.4		28.4		6.0	8.0		6.9		14.0

Mississippi River.—Memphis, Tenn., 1897.

Day.	January.	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.
1	7.2	13.7	27.5	36.8	33.5	17.1	16.0	15.2	5.8	1.6	0.3	3.2
2	6.7	12.3	28.5	36.8	32.8	16.4	16.6	16.0	5.6	1.5	0.4	3.4
3	6.1	10.8	29.3	36.8	32.0	15.9	17.4	16.4	5.4	1.4	0.5	3.6
4	6.0	9.6	30.0	37.0	31.4	15.4	18.0	16.2	5.4	1.3	0.5	3.7
5	5.8	8.8	30.6	36.9	31.0	14.8	18.1	15.9	5.2	1.3	0.5	3.8
6	5.4	8.1	31.3	36.8	30.8	14.3	17.9	15.3	5.0	1.2	0.5	3.9
7	6.7	8.0	31.8	36.7	30.5	13.8	17.8	14.5	4.8	1.1	0.6	3.8
8	12.3	9.0	32.3	36.6	30.3	13.7	17.7	13.7	4.6	1.0	0.6	3.6
9	16.7	10.3	32.9	36.6	30.2	13.7	17.6	12.9	4.2	1.0	0.6	3.4
10	18.8	11.8	33.4	36.4	30.0	13.7	16.8	12.2	3.9	0.9	0.5	3.5
11	19.6	13.6	34.0	36.3	29.8	13.8	16.1	11.6	3.7	0.9	0.4	4.0
12	19.4	15.8	34.7	36.3	29.6	13.8	15.8	11.0	3.5	0.8	0.4	4.5
13	18.4	18.1	35.4	36.2	29.2	13.6	15.8	10.8	3.3	0.7	0.6	4.9
14	17.1	20.2	36.0	36.2	28.7	13.4	15.8	10.4	3.2	0.7	0.7	5.0
15	15.4	22.2	36.2	36.2	28.0	13.1	15.5	10.2	3.0	0.6	0.8	4.8
16	14.2	23.4	36.6	36.2	27.2	12.8	14.9	9.7	3.0	0.6	1.0	4.6
17	13.4	24.4	36.6	36.2	26.5	12.5	14.4	9.3	2.9	0.6	1.2	4.4
18	12.9	24.9	36.7	36.1	26.0	12.1	13.5	9.0	2.7	0.6	1.5	4.4
19	12.6	25.0	36.8	36.0	25.9	11.9	12.8	8.7	2.5	0.5	1.8	4.6
20	12.9	25.0	37.6	35.9	25.9	11.8	12.2	8.5	2.4	0.4	2.1	5.0
21	13.4	24.9	37.6	35.9	26.2	11.8	11.7	8.2	2.2	0.4	2.2	5.3
22	14.1	24.5	37.4	35.8	26.4	11.9	11.5	7.8	2.1	0.4	2.2	5.4
23	15.2	24.1	37.4	35.7	26.5	12.0	11.4	7.6	1.9	0.4	2.0	5.1
24	16.8	23.8	37.2	35.6	26.4	12.1	11.4	7.3	1.8	0.3	1.9	5.0
25	17.7	23.8	37.2	35.4	25.8	12.4	11.4	7.0	1.8	0.3	1.9	5.5
26	18.2	24.3	37.0	35.2	24.8	12.8	11.4	6.8	1.7	0.3	2.1	6.9
27	18.3	25.3	36.9	35.1	23.5	13.6	11.4	6.6	1.6	0.3	2.5	8.8
28	18.1	26.4	36.8	34.8	21.9	14.1	11.4	6.4	1.6	0.2	2.6	10.4
29	17.6		36.8	34.6	20.4	14.6	11.8	6.2	1.6	0.2	2.8	11.6
30	16.4		36.8	34.2	18.9	15.4	12.7	6.1	1.6	0.2	3.0	12.1
31	15.0		36.8		17.9		14.0	6.0		0.2		12.1

Mississippi River.—Memphis, Tenn., 1896.

Day.	January.	February.	March.	April	May.	June.	July.	August.	September	October.	November.	December.
1	16.8	4.6	12.0	23.6	10.4	24.0	13.4	23.1	8.0	3.7	2.7	6.2
2	17.4	5.5	10.6	23.2	10.6	24.1	13.7	22.9	7.6	3.5	2.6	7.6
3	17.8	6.4	9.7	23.2	11.0	24.3	14.0	22.8	7.3	3.4	2.5	9.6
4	17.8	7.5	9.3	23.7	11.6	24.3	14.0	23.0	7.1	3.0	2.4	12.0
5	17.5	9.1	8.8	24.4	12.4	24.1	14.2	22.9	7.0	2.8	2.6	13.6
6	17.1	11.9	8.8	25.3	13.0	23.8	14.7	22.8	6.6	2.5	2.6	14.7
7	16.5	14.7	8.8	25.9	13.2	23.6	15.3	22.5	6.3	2.4	2.8	15.5
8	15.8	17.0	8.7	26.6	13.2	23.2	15.6	22.4	5.8	2.7	3.0	16.2
9	14.9	18.5	8.7	27.3	13.0	23.0	16.0	22.3	5.5	3.4	3.3	16.5
10	13.9	19.4	9.1	27.8	12.7	22.6	16.3	21.8	4.8	4.1	3.7	16.2
11	12.9	19.8	9.6	28.1	12.3	22.3	16.4	21.6	4.3	5.0	4.2	15.2
12	11.9	20.1	10.0	28.6	12.0	21.7	16.4	21.2	3.9	6.2	4.6	14.2
13	10.8	20.5	10.3	28.8	11.8	21.1	16.1	20.7	3.3	7.1	4.6	13.0
14	9.8	20.8	10.2	29.2	11.9	20.5	15.8	19.8	2.9	7.7	4.4	11.8
15	9.0	21.1	10.4	29.4	11.9	19.8	15.1	18.8	2.6	7.8	4.2	10.9
16	8.0	21.6	10.6	29.4	12.0	19.0	14.4	17.5	2.3	7.5	4.0	10.1
17	7.2	22.2	10.4	28.9	12.0	18.2	14.4	16.4	2.1	7.0	4.1	9.6
18	6.4	23.0	10.2	27.6	11.7	17.4	14.7	14.9	1.9	6.3	4.7	9.3
19	5.7	23.6	10.0	25.6	11.4	16.0	15.6	13.6	1.8	5.6	5.6	9.3
20	5.1	23.8	10.2	23.0	11.3	14.9	16.0	12.4	1.8	5.0	6.2	9.8
21	4.6	23.6	11.1	19.7	11.1	14.2	16.2	11.4	1.9	4.5	6.5	10.5
22	4.2	23.3	12.6	17.0	11.1	13.9	16.5	10.4	1.9	4.0	6.7	11.0
23	4.0	22.6	14.1	14.9	12.6	13.9	17.4	9.9	2.0	3.6	6.6	11.6
24	3.9	21.7	15.7	13.4	15.0	13.9	18.7	9.7	2.1	3.2	6.4	11.5
25	3.6	20.4	18.0	12.4	17.7	13.8	20.2	9.6	2.5	2.8	6.1	11.1
26	3.5	18.9	20.1	11.8	19.4	13.7	22.1	9.8	3.0	2.6	5.7	10.6
27	3.4	17.2	21.8	11.4	20.4	13.4	23.9	9.9	3.5	2.4	6.0	10.0
28	3.7	15.0	23.1	11.0	21.4	13.2	24.4	9.8	3.9	2.4	6.0	9.4
29	3.8	13.5	23.6	10.8	22.3	13.0	24.5	9.4	4.0	2.5	5.7	8.9
30	3.8		23.9	10.5	23.1	13.1	24.2	8.9	4.0	2.7	5.7	8.4
31	4.0		23.7		23.0		23.0	8.6		2.7		7.9

Mississippi River.—Mhoon Landing, Miss., 1896.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	16.7	3.2	13.6	25.5	10.3	25.3	13.6	25.1	6.6	0.6	—0.7	4.9
2	17.3	3.9	11.8	25.3	10.2	25.8	13.9	24.7	6.0	0.3	—0.8	5.5
3	17.9	5.1	10.4	25.1	10.6	26.1	14.2	24.5	5.4	0.0	—0.9	7.4
4	18.4	6.6	9.4	25.4	11.1	26.2	14.4	24.5	5.1	—0.3	—0.9	9.8
5	18.5	8.4	8.7	26.0	11.8	26.2	14.6	24.5	4.9	—0.6	—0.9	12.5
6	18.0	10.2	8.4	26.9	12.5	26.0	15.0	24.4	4.5	—0.9	—0.7	13.9
7	17.3	12.8	8.3	27.8	13.2	25.8	15.6	24.2	4.0	—1.1	—0.3	15.1
8	16.6	15.5	8.3	28.4	13.7	25.5	16.1	24.1	3.5	—1.0	0.0	16.1
9	15.7	17.9	8.1	29.1	13.9	25.2	16.6	24.0	2.9	—0.5	0.3	16.8
10	14.6	19.4	8.3	29.6	13.4	24.8	17.1	23.8	2.2	0.3	0.7	17.0
11	13.8	20.2	8.7	30.1	12.8	24.3	17.2	23.6	1.5	1.5	1.2	16.0
12	12.8	20.7	9.2	30.5	12.3	23.8	17.3	23.3	0.8	2.6	1.7	14.9
13	11.7	21.2	9.7	31.0	12.1	23.2	17.1	22.8	0.1	3.8	2.2	13.7
14	10.6	21.9	10.1	31.4	12 0	22.6	16.8	22.1	—0.4	5.0	2.3	12.5
15	9.4	22.3	10.4	31.4	12.0	21.8	16.4	21.0	—0.9	6.1	1.9	11.3
16	8.3	22.7	10.7	31.7	12.0	21.0	15.9	19.7	—1.3	6.3	1.7	10.2
17	7.2	23.2	10.8	31.7	12.0	20.2	15.5	18.6	—1.6	5.6	1.6	9.6
18	6.1	23.8	10.7	31.0	11.9	19.4	15.3	16.6	—1.9	5.0	2.0	9.1
19	5.0	24.3	10.4	29.6	11.7	18.3	15.7	15.0	—2.2	4.2	2.6	8.9
20	4.1	24.7	10.2	27.6	11.5	17.3	16.2	13.5	—2.3	3.4	3.4	9.1
21	3.4	25.0	10.8	25.0	11.2	16.3	16.8	12.0	—2.3	2.6	4.2	9.7
22	2.9	25.1	12.1	21.8	11.1	15.3	17.5	10.6	—2.1	1.8	4.8	10.4
23	2.5	24.8	13.8	18.5	11.7	14.7	18.1	9.8	—1.8	1.2	5.0	11.0
24	2.2	23.8	15.0	15.9	14.0	14.5	19.1	9.1	—1.5	0.5	4.8	11.5
25	1.9	22.6	17.3	14.4	16.7	14.4	20.2	8.8	—1.3	—0.1	4.6	11.3
26	1.9	21.0	19.8	13.2	19.0	14.3	22.1	8.7	—1.1	—0.6	4.4	10.5
27	2.0	19.3	22.2	12.2	21.0	14.1	24.2	8.7	—0.5	—0.9	4.2	9.9
28	2.2	17.3	23.7	11.5	22.2	13.8	25.2	8.6	0.4	—1.1	4.1	9.3
29	2.5	15.3	24.7	11.0	23.3	13.6	25.9	8.3	0.9	—1.2	4.1	8.7
30	2.7		25.3	10.6	24.0	13.4	25.9	7.7	0.9	—1.1	4.4	8.1
31	2.9		25.5		24.7		25.6	7.1		—0.9		7.5

24	23.0	[illegible]	[illegible]	[illegible]	11.0	8.6	9.3	[illegible]	[illegible]	[illegible]	[illegible]	15.5
25	*22.8	4.8	21.9	18.4	11.3	8.6	9.3	4.9	3.4	0.8	1.0	16.2
26	22.1	5.1	22.6	18.0	11.4	8.6	9.5	5.2	3.1	0.7	1.2	16.1
27	21.3	5.7	23.0	17.3	11.2	8.7	9.7	5.3	2.8	0.6	1.8	15.8
28	20.4	6.2	23.0	16.3	10.8	8.6	9.8	5.5	2.6	0.6	2.5	15.9
29	19.4		22.9	15.3	10.4	8.3	9.9	5.7	2.4	0.5	3.0	16.6
30	18.4		22.7	14.2	10.0		10.0	5.8		0.4		
31	17.6		22.1									

Mississippi River.—Memphis, Tenn., 1895.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	3.0	17.7	3.8	22.6	13.2	8.2	6.2	8.4	3.2	—0.6	—2.4	0.3
2	2.4	16.8	4.4	21.6	12.1	7.9	6.1	8.6	3.4	—0.8	—2.4	0.8
3	2.1	15.9	5.0	20.2	11.2	7.8	6.2	8.8	3.6	—0.9	—2.5	1.1
4	2.1	14.8	5.9	18.6	10.4	7.8	6.4	9.0	3.6	—1.0	—2.6	1.3
5	2.2	13.4	6.9	17.0	9.7	7.7	6.8	9.6	3.5	—1.3	—2.6	1.4
6	2.4	11.9	8.3	15.4	9.1	7.4	7.0	10.0	3.5	—1.4	—2.6	1.4
7	2.6	10.6	9.8	14.5	8.5	7.0	7.3	9.8	3.8	—1.4	—2.6	1.2
8	2.4	9.2	11.2	14.2	8.1	6.5	7.6	9.2	4.1	—1.5	—2.6	0.9
9	2.0	7.8	12.6	13.6	7.6	6.0	7.8	8.4	4.3	—1.5	—2.6	0.5
10	1.9	6.7	14.2	13.0	7.2	5.6	8.1	7.5	4.4	—1.5	—2.5	0.2
11	2.0	5.8	16.2	12.4	7.0	5.2	9.2	6.6	4.5	—1.5	—2.6	—0.2
12	2.6	5.2	18.1	12.0	7.1	5.0	10.8	5.9	4.6	—1.5	—2.6	—0.5
13	5.4	4.8	19.2	12.0	7.1	4.8	11.6	5.4	4.7	—1.6	—2.5	—0.6
14	9.6	4.3	19.7	12.4	7.0	4.5	11.6	5.0	5.0	—1.6	—2.5	—0.5
15	12.7	3.6	19.5	13.4	7.0	4.6	11.3	4.6	4.4	—1.7	—2.4	—0.5
16	15.2	2.9	18.8	14.4	7.2	4.9	10.8	4.4	4.3	—1.7	—2.3	—0.5
17	17.4	2.3	18.0	15.4	7.5	5.3	10.1	4.0	4.0	—1.7	—2.3	—0.6
18	19.1	1.8	17.5	16.2	7.7	6.0	9.3	3.7	3.8	—1.6	—2.3	—0.7
19	20.6	1.8	17.2	16.8	7.7	6.4	8.6	3.2	2.9	—1.6	—2.3	—0.8
20	22.0	1.6	17.6	17.4	7.7	6.5	8.2	2.8	2.4	—1.7	—2.3	—0.8
21	23.0	1.6	17.8	17.8	7.6	6.7	8.0	2.4	1.9	—1.7	—2.4	—0.7
22	23.6	1.6	18.2	18.0	7.6	6.8	7.7	2.0	1.5	—1.8	—2.4	—0.6
23	24.0	1.6	19.6	18.4	8.0	6.8	7.5	1.9	1.2	—1.8	—2.4	—0.4
24	24.0	1.7	21.0	18.4	8.5	6.8	7.4	1.8	1.0	—1.9	—2.2	5.7
25	24.0	1.8	22.4	18.4	9.1	6.6	7.4	1.8	0.8	—2.0	—1.9	11.6
26	23.5	2.0	23.3	18.2	9.7	6.5	7.4	1.9	0.8	—2.1	—1.6	14.3
27	22.7	2.5	23.6	17.8	10.0	6.5	7.6	2.2	0.5	—2.1	—1.5	15.5
28	21.8	3.1	23.9	16.8	9.8	6.6	7.8	2.5	0.1	—2.2	—1.3	15.9
29	20.8		24.0	15.6	9.5	6.6	8.0	2.7	—0.2	—2.3	—0.8	15.8
30	19.8		23.7	14.4	9.1	6.4	8.1	2.9	—0.4	—2.3	—0.2	15.6
31	18.7		23.4		8.6		8.2	3.1		—2.3		16.0

NOTE.—Readings from Sept. 8 to Oct. 16 were taken in a. m. by the U. S. Weather Bureau.

Mississippi River.—Memphis, Tenn., 1894.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.
1	7.9	10.9	21.2	20.9	16.4	14.8	11.6	4.6	1.7	1.0	—1.2	—0.2
2	7.4	10.3	20.1	20.4	15.5	16.0	11.8	4.5	1.6	0.9	—1.2	0.0
3	6.8	10.1	19.0	19.9	14.8	17.0	12.0	4.5	1.4	0.8	—1.3	0.0
4	6.1	10.2	17.8	19.4	14.4	17.9	12.0	4.4	1.2	0.6	—1.3	0.0
5	5.8	10.0	17.0	18.8	14.4	18.2	11.8	4.2	1.1	0.5	—1.3	0.2
6	5.8	10.4	16.8	18.2	14.6	18.1	11.4	4.1	1.0	0.8	—1.4	0.4
7	5.7	11.8	16.6	18.0	15.0	17.4	11.2	4.0	0.8	1.0	—1.4	0.4
8	5.9	15.0	16.6	18.0	15.5	16.7	10.8	3.9	0.8	1.2	—1.4	0.4
9	6.4	17.6	17.4	18.0	15.8	15.9	10.7	3.8	0.9	1.2	—1.3	0.5
10	7.5	19.8	18.8	18.2	16.2	15.2	10.7	3.6	1.0	1.0	—1.2	0.7
11	8.8	22.0	21.0	18.1	17.1	14.8	10.8	3.4	1.0	0.8	—1.2	0.8
12	10.0	24.0	22.6	18.2	18.2	14.4	10.6	3.1	1.0	0.6	—1.1	0.7
13	10.6	25.5	23.8	18.6	19.2	14.1	10.3	2.8	1.0	0.4	—1.0	0.6
14	10.8	26.8	24.3	19.3	20.0	14.0	9.6	2.6	1.0	0.2	—0.9	0.4
15	11.0	27.7	24.3	19.8	20.6	13.7	9.0	2.4	1.0	0.1	—0.9	0.3
16	11.1	28.3	23.9	19.9	20.6	13.4	8.6	2.2	1.1	0.0	—0.9	0.3
17	11.1	28.6	23.2	20.1	20.2	13.2	8.2	2.0	1.0	—0.1	—0.9	0.6
18	11.0	28.8	22.5	20.3	19.4	13.1	7.7	2.0	0.9	—0.2	—1.0	1.1
19	10.8	29.0	22.5	21.0	18.6	13.0	7.2	1.8	0.9	—0.3	—1.0	1.8
20	10.9	29.0	22.9	21.4	17.8	13.0	6.8	1.6	0.9	—0.5	—1.0	2.7
21	10.8	28.8	22.8	22.0	17.0	12.9	6.4	1.4	1.0	—0.6	—1.0	4.0
22	10.8	28.3	22.2	22.8	16.0	12.8	6.0	1.3	1.2	—0.7	—0.9	5.1
23	11.0	27.7	21.7	23.6	15.2	12.5	5.8	1.2	1.6	—0.8	—0.7	5.6
24	11.2	26.8	21.4	23.6	14.4	12.2	5.6	1.2	1.6	—0.8	—0.6	5.8
25	11.4	25.9	21.4	23.0	13.8	12.0	5.5	1.3	1.4	—0.9	—0.4	5.9
26	11.8	24.7	21.5	22.0	13.3	11.9	5.4	1.4	1.3	—0.9	—0.3	5.6
27	12.0	23.5	21.4	20.9	12.8	11.8	5.2	1.5	1.2	—1.0	—0.2	5.4
28	12.3	22.3	21.6	19.6	12.4	11.8	5.1	1.5	1.1	—1.0	—0.1	5.0
29	12.2		21.8	18.4	12.2	11.6	5.0	1.5	1.1	—1.0	—0.1	4.6
30	11.9		21.6	17.4	12.6	11.6	4.8	1.6	1.0	—1.1	—0.2	4.1
31	11.4		21.3		13.6		4.7	1.6		—1.1		3.6

20	11.6	27.0	20.9	20.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.2
21	11.6	27.2	20.1	21.6	16.7	13.7	8.5	4.5	4.3	2.4	2.2	7.8
22	11.[illegible]	26.5	20.1	22.5	15.9	13.6	8.2	4.4	4.5	2.3	2.2	8.0
23	11.8	25.7	20.2	22.9	15.2	13.4	8.1	4.3	4.6	2.3	2.4	8.0
24	12.1	24.8	20.4	22.6	14.8	13.3	8.0	4.3	4.5	2.2	2.6	7.9
25	12.3	23.9	20.5	21.8	14.4	13.1	7.9	4.4	4.4	2.2	2.7	7.8
26	12.7	22.8	20.7	20.8	13.9	13.0	7.8	4.5	4.3	2.1	2.9	7.5
27	13.0	21.6	20.9	19.8	13.6	12.9	7.7	4.5	4.2	2.1	3.0	7.1
28	13.1	20.6	21.1	18.6	13.4	12.9	7.6	4.5	4.2	2.0	3.0	6.7
29	12.9		21.2	17.7	13.6	12.8	7.5	4.6	4.1	2.0	3.0	6.3
30	12.5		20.9	16.8	14.1	12.8	7.4	4.6	4.1	2.0	3.0	5.9
31	12.1		20.5		14.9		7.3	4.7		2.0		

Mississippi River.—Fulton, Tenn., 1893.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	10.1	6.1	31.7	22.2	32.0	29.4	17.8	10.3	6.9	6 4	6.9	5.6
2	9.6	6.2	31.9	21.6	32.1	29.8	17.6	10.1	6.6	6.3	6.8	5.5
3	10.0	6.2	32.0	21.1	32.3	30.3	17.3	10.1	6.4	6.2	6.8	5.5
4	11.6	6.4	32.2	20.7	32.5	30.6	16.8	10.0	6.2	6.2	6.9	5.5
5	12.6	7.5	32.2	20.4	32.8	31.1	16.4	10.0	6.0	6.1	6.9	5.7
6	13.0	9.8	31.9	20.0	33.2	31.4	16.1	10.0	5.8	6.1	6.8	5.9
7	12.7	12.7	31.0	19.6	33.5	31.7	15.9	10.0	5.7	6.0	6.7	6.2
8	12.2	14.8	29.4	19.1	33.9	31.9	15.6	9.9	5.9	5.9	6.6	6.7
9	11.6	16.1	27.2	18.5	34 2	32.1	15.7	9.7	6.2	5.9	6.4	7.3
10	11.0	16.4	25.3	18.0	34.4	32.2	16.5	9.4	6.4	6.1	6.3	7.9
11	10.4	16.6	23.8	17.5	34.5	32.2	16.9	9.1	6.5	6.3	6.2	8.4
12	9.6	16.9	23.0	17.4	34.5	32.1	16.8	8.8	6.5	6.6	6.1	8.9
13	8.7	17.4	23.1	17.7	34.6	32.1	16.3	8.6	6.6	6.6	5.9	9.4
14	7.8	18.0	23.5	19.2	34.6	32.1	15.8	8.4	6.8	6.5	5.9	9.6
15	7.0	19.1	24.1	21.6	34.6	31.9	15.2	8.2	6.9	6.6	6.0	9.6
16	6.2	20.5	24.5	24.3	34.6	31.5	14.6	8.2	7.0	6.7	6.2	9.5
17	5.5	22.3	24.9	26.5	34.5	30.7	14.1	8.2	7.1	6.6	6.3	9.2
18	5.2	24.0	25.2	27.8	34.5	29.4	13.5	8.1	6.9	6.4	6.4	9.0
19	5.2	25.6	25.6	28.8	34.4	27.7	13.1	8.0	6.7	6.3	6.4	8.7
20	5.1	26.9	25.9	29.6	34.2	25.9	12.8	7.8	6.7	6.2	6.3	8.7
21	5.0	28.0	26.3	30.3	34.0	24.1	12.7	7.6	7.0	6.0	6.4	8.7
22	5.0	28.7	26.6	30.7	33.7	22.6	12.9	7.5	7.4	5.8	6.4	8.7
23	4.9	29.4	26.8	31.0	33.1	20.9	13.1	7.3	7.5	5.7	6.2	8.6
24	5.1	30.0	26.6	31.3	32.4	19.4	13.0	7.3	7.4	6.0	6.1	8.4
25	5.3	30.5	26.3	31.6	31.4	18.2	12.6	7.6	7.1	7.0	5.9	8.2
26	5.4	30.9	25.9	31.8	30.1	17.4	12.2	8.2	6.7	7.8	5.8	8.1
27	5.5	31.2	25.5	31.9	29.2	17.0	11.8	8.5	6.5	8.2	5.7	8.3
28	5.5	31.4	24.8	31.9	28.5	16.8	11.3	8.4	6.4	8.2	5.7	9.0
29	5.4		24.2	31.8	28.3	17.1	11.1	8.1	6.4	8.0	5.6	9.6
30	*5.5		23.4	31.8	28.3	17.7	10.7	7.7	6.4	7.6	5.6	9.9
31	†5.9		22.8		28.9		10.5	7.3		7.2		9.8

NOTE. [illegible] interpolated by observer.

Mississippi River.—Memphis, Tenn., 1893.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	9.8	3.3	32.6	23.2	33.1	31.6	17.6	8.5	4.2	3.4	4.6	3.0
2	9.6	3.4	32.8	22.5	33.2	31.8	17.7	8.3	3.8	3.3	4.2	2.9
3	10.2	3.5	33.0	21.9	33.3	32.2	17.4	8.1	3.4	3.2	4.1	2.9
4	11.0	3.6	32.9	21.4	33.4	32.4	16.9	8.0	3.2	3.2	4.2	2.8
5	11.7	4.2	32.9	21.0	33.6	32.6	16.3	8.0	3.0	3.1	4.2	3.0
6	12.0	5.9	32.9	20.6	33.8	32.9	15.9	8.0	2.8	3.1	4.2	3.2
7	12.2	9.4	32.7	20.3	34.0	33.1	15.6	8.0	2.6	3.0	4.2	3.6
8	11.6	12.6	31.8	19.7	34.3	33.2	15.2	7.9	2.6	2.8	4.0	3.8
9	10.8	14.8	30.2	19.1	34.6	33.4	15.1	7.6	3.0	2.7	3.8	4.4
10	10.1	16.0	28.2	18.4	34.8	33.5	15.5	7.4	3.4	2.8	3.7	5.3
11	9.5	16.3	26.2	17.8	34.9	33.5	16.2	7.0	3.5	3.0	3.5	6.0
12	8.4	16.5	24.8	17.4	35.0	33.5	16.5	6.6	3.6	3.4	3.4	6.7
13	7.5	17.0	24.0	17.5	35.0	33.5	16.2	6.3	3.5	3.6	3.3	7.3
14	6.6	17.8	24.2	18.6	35.1	33.5	15.7	6.0	3.6	3.6	3.2	7.8
15	5.4	18.8	24.8	20.9	35.2	33.4	15.2	5.8	3.8	3.6	3.1	8.0
16	4.6	20.3	25.1	24.4	35.2	33.2	14.4	5.7	4.0	3.8	3.3	8.0
17	3.3	22.4	25.6	26.6	35.2	32.8	13.8	5.6	4.1	3.8	3.6	7.8
18	2.4	24.4	26.0	28.2	35.1	31.4	13.8	5.6	4.1	3.6	3.7	7.4
19	2.4	26.1	26.3	29.2	35.0	30.6	12.6	5.4	3.8	3.5	3.7	7.2
20	2.4	27.4	26.6	30.1	35.0	28.9	11.7	5.1	3.6	3.3	3.6	6.9
21	2.2	28.5	26.8	30.9	35.0	27.0	11.4	5.0	3.8	3.2	3.7	6.8
22	2.0	29.2	27.2	31.5	34.9	25.0	11.4	4.8	4.3	3.0	3.8	6.8
23	1.9	30.0	27.6	31.8	34.7	23.0	11.7	4.6	4.7	2.8	3.7	6.8
24	1.8	30.6	27.8	32.0	34.5	21.0	11.8	4.4	4.8	2.8	3.6	6.6
25	2.2	31.2	27.6	32.2	34.0	19.3	11.6	4.6	4.6	3.4	3.4	6.2
26	2.4	31.6	27.2	32.4	33.2	17.8	11.1	5.0	4.1	4.7	3.2	6.0
27	2.6	32.0	26.8	32.8	32.3	17.0	10.6	5.7	3.8	5.6	3.2	6.0
28	2.7	32.4	26.2	32.8	31.7	16.6	10.1	6.0	3.5	5.8	3.1	6.5
29	2.7		25.5	32.8	31.1	16.6	9.6	5.7	3.4	5.7	3.0	7.4
30	2.7		24.8	32.9	31.0	17.1	9.2	5.2	3.4	5.3	3.0	8.1
31	2.3		24.0		31.1		8.8	4.7		4.9		8.2

Mississippi River.—Memphis, Tenn., 1892.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	15.5	18.8	22.9	24.5	34.5	34.4	24.9	17.4	7.6	4.8	1.8	4.6
2	16.0	17.8	22.3	25.1	34.6	34.4	24.8	16.5	7.5	4.6	1.9	4.6
3	16.2	16.5	21.9	25.6	34.6	34.3	25.0	15.8	7.4	4.4	2.0	4.8
4	16.7	15.1	21.4	26.1	34.5	34.2	25.1	15.1	7.3	4.2	2.2	4.8
5	17.2	14.0	20.8	26.8	34.5	34.1	25.1	14.6	7.2	4.1	2.3	4.8
6	17.6	13.0	19.9	27.8	34.4	34.0	25.0	14.1	7.1	4.0	2.3	4.9
7	17.8	12.7	19.0	28.9	34.2	34.0	25.1	13.6	7.0	4.0	2.2	5.1
8	17.6	12.6	18.2	29.9	34.0	33.9	25.8	13.2	6.8	3.8	2.0	5.3
9	17.3	12.8	17.6	30.6	33.8	33.9	26.4	12.9	6.6	3.6	2.0	5.4
10	16.6	13.8	17.2	31.3	33.6	33.9	26.8	12.4	6.5	3.4	2.0	5.3
11	15.8	15.6	16.9	32.0	33.0	33.8	27.0	12.2	6.4	3.3	2.0	5.2
12	14.7	17.4	17.1	32.4	32.3	33.8	27.4	12.0	6.4	3.1	2.1	5.2
13	13.8	19.0	17.8	32.8	31.8	33.8	27.8	11.8	6.4	3.0	2.0	6.3
14	12.7	20.1	19.0	33.0	31.4	33.7	28.2	11.7	6.0	2.8	2.0	6.9
15	11.8	20.8	19.6	33.4	31.2	33.6	28.6	11.6	5.8	2.7	2.1	7.3
16	11.4	21.2	20.1	33.5	31.2	33.6	28.6	11.5	5.5	2.6	2.2	8.2
17	10.5	21.3	20.3	33.5	31.4	33.5	28.7	11.5	5.8	2.4	2.4	9.0
18	10.0	21.4	20.3	33.6	31.8	33.4	28.6	11.3	6.1	2.3	2.6	9.9
19	10.8	21.5	20.2	33.6	32.0	33.2	28.3	11.0	6.2	2.3	2.8	10.5
20	11.9	21.7	20.0	33.6	32.3	33.0	27.9	10.8	6.2	2.2	3.2	11.3
21	13.4	21.7	19.7	34.2	32.6	32.8	27.4	10.4	6.0	2.1	3.4	12.3
22	16.0	21.6	19.6	34.3	32.9	32.3	26.7	10.1	5.8	2.1	3.5	13.2
23	18.8	21.8	19.3	34.3	33.0	31.5	26.0	9.7	5.6	2.0	3.5	14.0
24	20.8	22.7	19.2	34.2	33.2	30.4	25.0	9.4	5.4	2.0	3.6	14.4
25	21.7	23.6	19.5	34.2	33.4	29.2	24.0	9.1	5.4	1.9	3.8	14.6
26	22.1	24.2	20.4	34.2	33.6	27.8	23.0	8.8	5.4	1.9	4.1	14.7
27	22.0	24.2	21.2	34.2	33.7	26.6	22.2	8.6	5.6	1.9	4.6	13.9
28	21.6	24.0	22.0	34.2	33.9	25.6	21.3	8.4	5.5	1.8	4.8	13.2
29	21.2	23.5	22.7	34.4	34.0	25.0	20.4	8.2	5.4	1.7	4.7	12.1
30	20.6		23.4	34.5	34.1	24.8	19.4	7.9	5.0	1.6	4.6	11.0
31	19.6		23.9		34.2		18.4	7.8		1.6		10.0

Mississippi River.—Mhoon Ldg., Miss., 1892.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	17.0	19.9	25.1	26.0	36.0	35.8	28.4	18.8	6.4	2.8	−2.2	1.6
2	17.8	18.8	24.6	26.7	36.0	35.8	28.2	17.7	6.2	2.6	−2.2	1.6
3	18.0	17.6	24.1	27.2	36.1	35.8	28.1	16.8	6.0	2.2	−2.0	1.8
4	18.2	16.2	23.4	27.7	36.1	35.6	28.1	15.8	5.8	2.0	−1.8	1.9
5	18.4	14.8	22.6	28.6	36.2	35.6	28.1	15.2	5.6	1.8	−1.6	1.9
6	18.6	13.4	21.8	29.4	36.2	35.6	28.0	14.5	5.4	1.6	−1.5	1.9
7	18.7	12.5	21.0	30.5	36.2	35.6	27.8	13.9	5.2	1.5	−1.6	2.0
8	18.7	12.0	20.0	31.5	36.2	35.6	28.3	13.3	5.0	1.5	−1.8	2.4
9	18.4	11.9	19.2	32.4	36.3	35.6	28.6	12.7	4.8	1.4	−1.9	2.6
10	17.8	12.4	18.4	32.9	36.3	35.6	29.0	12.2	4.6	1.2	−1.9	2.6
11	17.0	14.2	17.9	33.4	36.2	35.6	29.2	11.8	4.4	0.8	−1.9	2.6
12	16.0	16.2	17.6	33.8	36.0	35.6	29.6	11.4	4.2	0.6	−1.9	2.5
13	14.9	18.3	18.2	34.0	35.8	35.7	29.8	11.2	4.0	0.2	−1.8	3.4
14	13.8	20.3	19.1	34.4	35.4	35.8	30.2	10.8	3.8	0.0	−1.8	4.4
15	12.7	21.4	20.0	34.6	35.2	35.8	30.4	10.7	3.6	−0.2	−1.7	5.0
16	11.6	22.0	20.8	34.8	35.2	35.8	30.8	10.6	3.5	−0.4	−1.8	5.8
17	10.6	22.4	21.4	35.0	35.1	35.8	30.8	10.5	3.7	−0.6	−1.4	6.8
18	10.0	22.6	21.5	35.0	35.1	35.6	30.8	10.4	4.0	−0.8	−1.2	7.8
19	10.0	22.8	21.5	35.2	35.2	35.6	30.6	10.2	4.4	−1.0	−0.8	8.9
20	10.4	22.9	21.5	35.2	35.2	35.6	30.4	10.0	4.5	−1.2	−0.5	9.9
21	11.4	22.9	21.4	35.6	35.4	35.4	30.0	9.5	4.4	−1.2	−0.2	11.0
22	13.9	22.9	21.2	35.6	35.4	35.0	29.5	9.0	4.2	−1.4	0.2	12.2
23	17.0	23.0	21.0	35.6	35.4	34.7	28.8	8.6	3.8	−1.6	0.6	13.2
24	20.0	23.6	20.8	35.6	35.4	34.2	27.8	8.4	3.6	−1.6	0.6	13.8
25	22.0	24.6	20.8	35.6	35.5	33.4	26.8	8.0	3.4	−1.8	0.8	14.2
26	22.7	25.5	21.2	35.6	35.6	32.3	25.8	7.8	3.4	−1.8	1.0	14.2
27	23.0	25.8	22.1	35.6	35.6	31.2	24.7	7.6	3.4	−1.8	1.6	13.8
28	22.9	26.0	23.0	35.8	35.6	30.1	23.6	7.4	3.6	−1.8	1.6	13.2
29	22.6	25.6	23.8	35.8	35.6	29.2	22.4	7.2	3.4	−1.8	1.8	12.0
30	22.0		24.6	36.0	35.7	28.6	21.3	6.8	3.2	−2.0	1.8	10.8
31	21.0		25.3		35.7		20.1	6.6		−2.0		9.7

0.0 to 0.4 feet has been subtracted from readings, Aug. 20 to Nov. 28 inclusive, to correct for error, assumed to be cumulative, found Nov. 28.