

SECTION IV.—RIVERS AND FLOODS.

RIVERS AND FLOODS, AUGUST, 1914.

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The rivers during August, 1914, with few exceptions, were at the usual midsummer stages. The exceptions were due to heavy local rains which appear to have been unusually effective in the rivers of Texas. The Trinity in its upper reaches, especially at Dallas, exceeded the flood stage by 2 and 5.2 feet, respectively, on the 17th and 30th. Sharp rises also occurred in the Guadalupe on the 8th and 9th; in the Brazos between the 14th and 21st; in the Colorado from the 17th to 20th and from the 26th to 31st. The Guadalupe was out of its banks at Victoria on the 8th and 9th, the Brazos at Waco on the 17th, the Colorado at Columbus on the 19th, 20th and 21st, and the Trinity in the vicinity of Fort Worth and Dallas from the 16th to 18th and from the 28th to 31st.

Flood waters caused but little damage along the trunk streams, however, as the lands overflowed were mostly used for grazing purposes, and live stock was removed upon receipt of warnings.

Heavy rains during the opening days of the month in the western part of Fremont County, Colo., resulted in a moderate freshet in the Arkansas from the 2d to the 4th. At Hot Springs a height of 10 feet was attained on the

2d; at Pueblo, 8.2 feet on the 3d; and at Fort Lyon, 5 feet on the 4th. No damage resulted in the Arkansas watershed, and in the other watersheds of the district there was no damage from floods.

LAKE LEVELS DURING AUGUST, 1914.

By UNITED STATES LAKE SURVEY.

[Dated: Detroit, Mich., Sept. 2, 1914.]

The United State Lake Survey reports the stages of the Great Lakes for the month of August, 1914, as follows:

Data.	Lakes.			
	Superior.	Michigan-Huron.	Erie.	Ontario.
Mean level during August, 1914:				
Above mean sea level at New York.....	<i>Feet.</i> 602.76	<i>Feet.</i> 590.64	<i>Feet.</i> 572.59	<i>Feet.</i> 246.33
Above or below—				
Mean stage of July, 1914.....	+0.08	-0.10	-0.24	-0.39
Mean stage of August, 1913.....	-0.02	-0.58	-0.65	-0.98
Average stage for August, last 10 years.	+0.10	-0.42	-0.12	-0.44
Highest recorded stage.....	-1.17	-2.87	-1.52	-1.93
Lowest recorded stage.....	+1.16	+0.79	+1.21	+1.98
Probable change during September, 1914.....	-0.1	-0.2	-0.3	-0.4