

RIVERS AND FLOODS, AUGUST, 1919.

By ALFRED J. HENRY, Meteorologist in Charge.

At the end of July, 1919, many of the rivers of the Atlantic drainage south of Virginia were still in flood and so continued until about August 5, the crest of the flood, however, having occurred in the previous month.

Rather heavy rains in the lower Saluda, upper Congaree, and Edisto River basins of South Carolina on the 12th and 13th caused a sudden rise in those streams to flood stages. The Santee below Columbia being still high as a result of July floods, again passed flood stage in its lower reaches. Although the stages reached were several feet less than those of the previous month, light floods also occurred in the Flint and Ocmulgee Rivers of Georgia.

Excessive local rains on the headwaters of the Guadalupe on August 21 and 22 caused a flood in that river which had not subsided in the lower reaches at the close of the month. The estimated loss due to this flood was \$8,000 in corn still standing in the fields.

The usual details follow:

TABLE I.—Flood stages in the Atlantic drainage during the month of August, 1919.

River and station.	Flood stage.	Above flood stages—dates.		Crest.	
		From—	To—	Stage.	Date.
	Feet.			Feet.	
<i>Tar:</i>					
Tarboro, N. C.....	18	(*)	1	37.0	† 27
Greenville, N. C.....	13	(*)	5	24.5	† 28
<i>Neuse:</i>					
Smithfield, N. C.....	14	2	2	24.4	† 24
<i>Santee:</i>					
Rimini, S. C.....	12	(*)	3	23.3	† 26
	12	13	23	15.6	17
Ferguson, S. C.....	12	(*)	5	17.1	† 27
	12	10	25	13.6	18
<i>Saluda:</i>					
Chappells, S. C.....	14	13	13	17.0	13
<i>Edisto:</i>					
Edisto, S. C.....	6	(*)	1	7.8	† 26-28
	6	11	20	6.8	18
<i>Ocmulgee:</i>					
Abbeville, Ga.....	11	(*)	3	14.5	† 30
	11	15	16	11.3	16
Lumber City, Ga.....	15	(*)	3	15.4	2
<i>Flint:</i>					
Albany, Ga.....	20	(*)	2	23.4	1
	20	13	17	22.7	15

* Continued from July.

† July.

TABLE II.—Flood stages in the West Gulf drainage during the month of August, 1919.

River and station.	Flood stage.	Above flood stages—dates.		Crest.	
		From—	To—	Stage.	Date.
	Feet.			Feet.	
<i>Trinity:</i>					
Trinidad, Tex.....	28	(*)	1	32.4	† 31
<i>Guadalupe:</i>					
Gonzales, Tex.....	22	26	27	25.6	26
Victoria, Tex.....	16	27	(**)	20.5	30
<i>Rio Grande:</i>					
Rio Grande City, Tex.....	15	(*)	2	22.6	† 28
<i>Gila:</i>					
Kelvin, Ariz.....	4	2	7	8.3	4

* Continued from July.

** Continued into September.

† July.

MEAN LAKE LEVELS DURING AUGUST, 1919.

By UNITED STATES LAKE SURVEY.

[Dated: Detroit, Mich., Sept. 4, 1919.]

The following data are reported in the "Notice to Mariners" of the above date:

Data.	Lakes.*			
	Superior.	Michigan and Huron.	Erie.	Ontario.
	Feet.	Feet.	Feet.	Feet.
Mean level during August, 1919:				
Above mean sea level at New York.....	602.59	581.14	573.14	247.33
Above or below—				
Mean stage of July, 1919.....	+0.01	-0.20	-0.31	-0.42
Mean stage of August, 1918.....	+0.24	-0.62	+0.59	+0.90
Average stage for August, last 10 years.....	+0.03	+0.29	+0.52	+0.84
Highest recorded August stage.....	-1.34	-2.37	-0.97	-0.93
Lowest recorded August stage.....	+0.99	+1.29	+1.76	+2.98
Average relation of the August level to:				
July level.....		±0.0	-0.2	-0.3
September level.....		+0.2	+0.2	+0.4

* Lake St. Clair's level: In August, 575.92 feet.