WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

PRECIPITATION CHART FOR SEPTEMBER, 1878.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

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AVERAGE PRECIPITATION FOR SEPTEMBER

DISTRICTS.	Average for September: For many years.	Average for September: For 1878.	Comparison of September, 1878, with the average for many years.
	Inches.	Inches.	
St. Lawrence valley	3.19	5.19	2.00 excess.
New England	3.30	2.52	0.78 deficiency.
Middle Atlantic States	3.30	1.97	1.33 deficiency
South Atlantic States	5.15	9.15	4.00 excess.
Eastern Gulf States	4.08	—	
Western Gulf States	5.00	—	
Tennessee	3.15	—	
Ohio Valley	2.86	3.41	0.55 excess.
Lower Lake region	3.40	5.77	2.37 excess.
Upper Lake region	3.65	5.29	1.64 excess.
Upper Mississippi Valley	3.85	3.37	0.48 deficiency
Minnesota	2.15	2.56	0.41 excess.
Lower Missouri Valley	3.25	3.09	0.16 deficiency.
Upper Missouri Valley	2.69	1.01	1.68 deficiency.
California Coast	0.08	0.27	0.19 excess.
Portland, Or	0.91	3.54	2.63 excess.

HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, SEPT., 1878.

STATIONS.	Danger point on gauge.		Highest water: Date.	Highest water: Height		Lowest water: Date.	Lowest water: Height.	
	ft.	in.	Sept.	ft.	in.	Sept.	ft.	in.
RED RIVER.								
Shreveport	29	9	1	13	0	30	5	3
MISSOURI.								
Yankton	20	0	1	4	11	30	3	10
Omaha	16	0	1, 23, 24	8	1	17 to 21	7	7
Leavenworth	21	0	12	8	3	30	6	11
MISSISSIPPI.								
St. Paul	14	6	1, 2	1	3	13 to 18	0	11
La Crosse	18	0	30	6	3	17 to 19	0	8
Dubuque	21	10	30	5	0	17, 18, 19	1	9
Davenport	15	0	30	2	7	19, 20	0	11
Keokuk	14	6	3	3	4	19	2	3
St. Louis	30	0	1	12	4	24, 25	0	0
Cairo	40	0	23	18	7	19	6	8
Memphis	34	0	26	12	0	21	3	4
Vicksburg	41	0						
†New Orleans	—2	6	6	—11	9	15	—13	4
OHIO.								
Pittsburgh	20	0	14	10	8	12	0	6
Cincinnati	50	0	17	56	6	14	5	4
Louisville	24	0	18	12	3	15	3	10
CUMBERLAND.								
Nashville	42	0	1	2	7	27	0	5
MONONGAHELA.								
Morgantown	23	0	15	2	6	30	0	8
Pittsburg	20	0	—	—	—	—	—	—
SAVANNAH.								
Augusta		—	13	13	10	10, 11, 2	4	4
ALABAMA.								
Montgomery			—	—	—	—	—	—

† Below high-water mark.