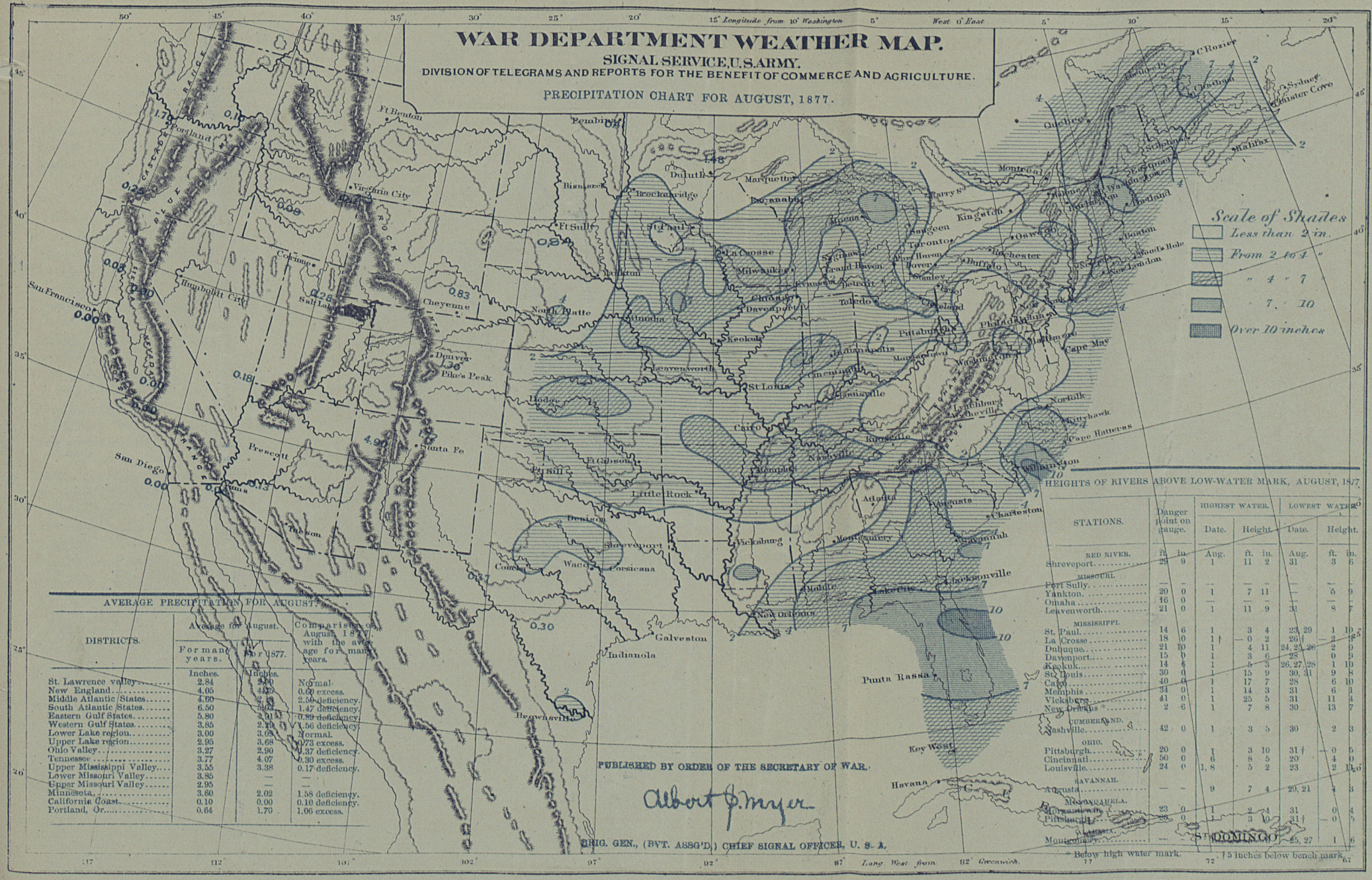
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

PRECIPITATION CHART FOR AUGUST, 1877.



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AVERAGE PRECIPITATION FOR AUGUST.

DISTRICTS.	Average for August. For many years.	For 1877.	Comparison of August, 1877, with the average for many years.
	Inches.	Inches.	
St. Lawrence valley	2.84	2.80	Normal.
New England	4.05	4.65	0.60 excess.
Middle Atlantic States	4.60	2.10	2.50 deficiency.
South Atlantic States	6.50	5.03	1.47 deficiency.
Eastern Gulf States	5.80	2.91	0.89 deficiency.
Western Gulf States	3.85	2.29	1.56 deficiency.
Lower Lake region	3.00	3.03	Normal.
Upper Lake region	2.95	3.68	0.73 excess.
Ohio Valley	3.27	2.90	0.37 deficiency.
Tennessee	3.77	4.07	0.30 excess.
Upper Mississippi Valley	3.55	3.38	0.17 deficiency.
Lower Missouri Valley	3.85	—	—
Upper Missouri Valley	2.95	—	—
Minnesota	3.60	2.02	1.58 deficiency.
California Coast	0.10	0.00	0.10 deficiency.
Portland, Or.	0.64	1.70	1.06 excess.

HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, AUGUST, 1877.

STATIONS.	Danger point on gauge.		Highest water.			Lowest water.		
			Date.	Height.		Date.	Height.	
	ft.	in.	Aug.	ft.	in.	Aug.	ft.	in.
RED RIVER.								
Shreveport	29	9	1	11	2	31	3	6
MISSOURI.								
Fort Sully	—	—	—	—	—	—	—	—
Yankton	20	0	1	7	11	—	5	9
Omaha	16	0	—	—	—	—	—	—
Leavenworth	21	0	1	11	9	31	8	7
MISSISSIPPI.								
St. Paul	14	6	1	3	4	23, 29	1	10
La Crosse	18	0	1 †	— 0	2	26 †	— 3	5
Dubuque	21	10	1	4	11	24, 25, 26	2	9
Davenport	15	0	1	3	6	28	0	9
Keokuk	14	6	1	5	3	26, 27, 28	1	10
St. Louis	30	0	1	15	9	30, 31	9	8
Cairo	40	0	1	17	7	28	6	10
Memphis	34	0	1	14	3	31	6	1
Vicksburg	41	0	1	25	5	31	11	4
New Orleans *	2	6	1	7	8	30	13	7
CUMBERLAND.								
Nashville	42	0	1	3	5	30	2	3
OHIO.								
Pittsburgh	20	0	1	3	10	31 †	— 0	5
Cincinnati	50	0	6	8	5	20	4	0
Louisville	24	0	1, 8	5	2	23	2	11
SAVANNAH.								
Augusta	—	—	9	7	4	20, 21	4	3
MONONGAHELA.								
Morgantown	23	0	1	2	4	31	0	4
Pittsburgh	28	0	1	3	0	31 †	— 0	5
ALABAMA.								
Montgomery	—	—	—	—	—	25, 27	1	6

* Below high water mark. † 5 inches below bench mark.