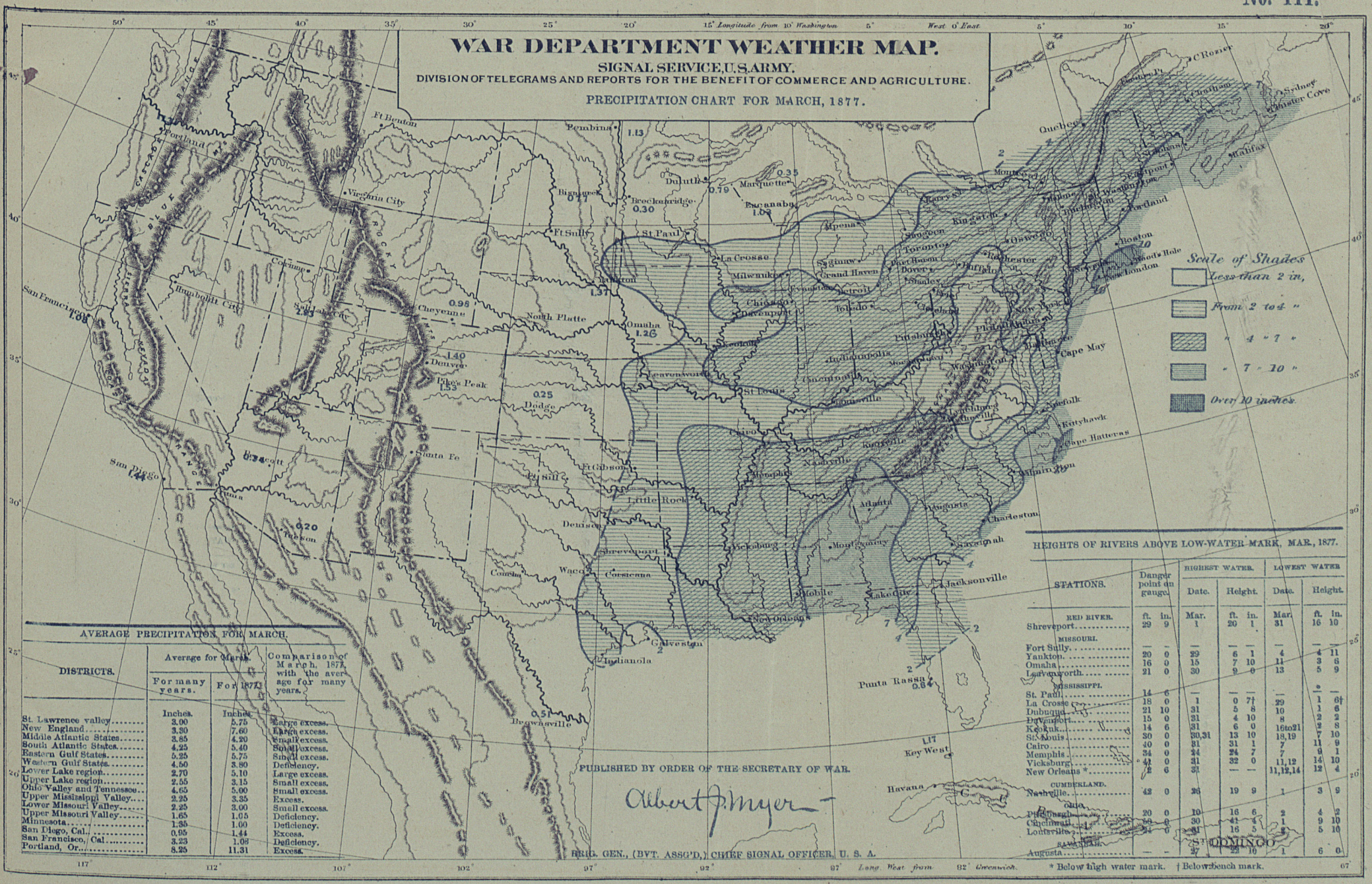
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

PRECIPITATION CHART FOR MARCH, 1877.



AVERAGE PRECIPITATION FOR MARCH.

DISTRICTS.	Average for March. For many years.	Average for March. For 1877.	Comparison of March, 1877, with the average for many years.
	Inches.	Inches.	
St. Lawrence valley	3.00	5.75	Large excess.
New England	3.30	7.60	Large excess.
Middle Atlantic States	3.85	4.20	Small excess.
South Atlantic States	4.25	5.40	Small excess.
Eastern Gulf States	5.25	5.75	Small excess.
Western Gulf States	4.50	3.80	Deficiency.
Lower Lake region	2.70	5.10	Large excess.
Upper Lake region	2.55	3.15	Small excess.
Ohio Valley and Tennessee	4.65	5.00	Small excess.
Upper Mississippi Valley	2.25	3.35	Excess.
Lower Missouri Valley	2.25	3.00	Small excess.
Upper Missouri Valley	1.65	1.05	Deficiency.
Minnesota	1.35	1.00	Deficiency.
San Diego, Cal.	0.95	1.44	Excess.
San Francisco, Cal	3.23	1.08	Deficiency.
Portland, Or.	8.25	11.31	Excess.

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

STATIONS.	Danger point on gauge.		Highest water. Date.	Highest water. Height.		Lowest water. Date.	Lowest water. Height.	
	ft.	in.	Mar.	ft.	in.	Mar.	ft.	in.
RED RIVER.								
Shreveport	29	9	1	20	1	31	16	10
MISSOURI.								
Fort Sully	—	—	—	—	—	—	—	—
Yankton	20	0	29	6	1	4	4	11
Omaha	16	0	15	7	10	11	3	6
Leavenworth	21	0	30	9	0	13	5	9
MISSISSIPPI.								
St. Paul	14	6	—	—	—	—	*	—
La Crosse	18	0	1	0	7†	29	1	6†
Dubuque	21	10	31	5	8	10	1	6
Davenport	15	0	31	4	10	8	2	2
Keokuk	14	6	31	6	0	16 to 21	2	8
St. Louis	30	0	30, 31	13	10	18, 19	7	10
Cairo	40	0	31	31	1	7	11	9
Memphis	34	0	24	24	7	7	9	1
Vicksburg	41	0	31	32	0	11, 12	14	10
New Orleans *	2	6	31	—	—	11, 12, 14	12	4
CUMBERLAND.								
Nashville	42	0	26	19	9	1	3	9
OHIO.								
Pittsburgh	20	0	10	16	6	2	4	2
Cincinnati	50	0	30	41	4	1	9	10
Louisville	24	0	31	16	5	8	5	10
SAVANNAH.								
Augusta	—	—	27	22	10	1	6	0

* Below high water mark. † Below bench mark.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

Albert J. Myer

BRIG. GEN., (BVT. ASSG'D,) CHIEF SIGNAL OFFICER, U. S. A.