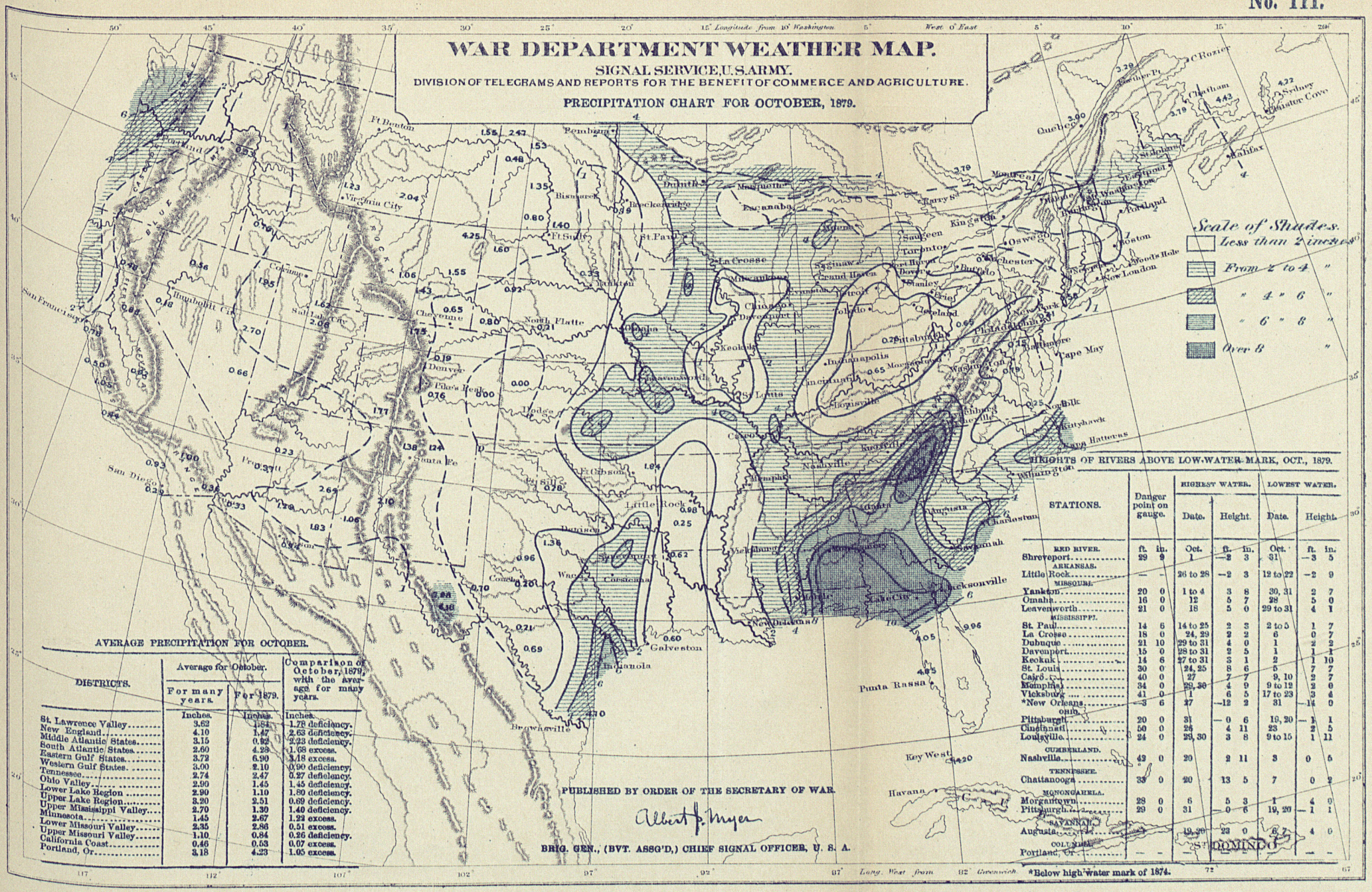
No. III.

WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U.S. ARMY.

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

PRECIPITATION CHART FOR OCTOBER, 1879.



AVERAGE PRECIPITATION FOR OCTOBER.

DISTRICTS.	Average for October. For many years.	Average for October. For 1879.	Comparison of October, 1879, with the average for many years.
	Inches.	Inches.	Inches.
St. Lawrence Valley	3.62	1.84	1.78 deficiency.
New England	4.10	1.47	2.63 deficiency.
Middle Atlantic States	3.15	0.92	2.23 deficiency.
South Atlantic States	2.60	4.28	1.68 excess.
Eastern Gulf States	3.72	6.90	3.18 excess.
Western Gulf States	3.00	2.10	0.90 deficiency.
Tennessee	2.74	2.47	0.27 deficiency.
Ohio Valley	2.90	1.45	1.45 deficiency.
Lower Lake Region	2.90	1.10	1.80 deficiency.
Upper Lake Region	3.20	2.51	0.69 deficiency.
Upper Mississippi Valley	2.70	1.30	1.40 deficiency.
Minnesota	1.45	2.67	1.22 excess.
Lower Missouri Valley	2.35	2.86	0.51 excess.
Upper Missouri Valley	1.10	0.84	0.26 deficiency.
California Coast	0.46	0.53	0.07 excess.
Portland, Or	3.18	4.23	1.05 excess.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

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HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, OCT., 1879.

STATIONS.	Danger point on gauge.		Highest water. Date.	Highest water. Height.		Lowest water. Date.	Lowest water. Height.	
	ft.	in.	Oct.	ft.	in.	Oct.	ft.	in.
RED RIVER.								
Shreveport	29	9	1	−2	3	31	−3	5
ARKANSAS.								
Little Rock	—	—	26 to 28	−2	3	12 to 22	−2	9
MISSOURI.								
Yankton	20	0	1 to 4	3	8	30, 31	2	7
Omaha	16	0	12	5	7	28	5	0
Leavenworth	21	0	18	5	0	29 to 31	4	1
MISSISSIPPI.								
St. Paul	14	6	14 to 25	2	3	2 to 5	1	7
La Crosse	18	0	24, 29	2	2	6	0	7
Dubuque	21	10	29 to 31	4	0	1	2	2
Davenport	15	0	28 to 31	2	5	1	1	1
Keokuk	14	6	27 to 31	3	1	2	1	10
St. Louis	30	0	24, 25	8	6	5	7	7
Cairo	40	0	27	7	7	9, 10	2	7
Memphis	34	0	29, 30	4	9	9 to 12	2	0
Vicksburg	41	0	1	6	5	17 to 23	3	4
*New Orleans	−3	6	27	−12	2	31	−14	0
OHIO.								
Pittsburgh	20	0	31	−0	6	19, 20	−1	1
Cincinnati	50	0	26	4	11	23	2	5
Louisville	24	0	29, 30	3	8	9 to 15	1	11
CUMBERLAND.								
Nashville	42	0	20	2	11	3	0	5
TENNESSEE.								
Chattanooga	33	0	20	13	5	7	0	2
MONONGAHELA.								
Morgantown	28	0	6	5	3	1	4	0
Pittsburgh	29	0	31	−0	6	19, 20	−1	1
SAVANNAH.								
Augusta	—	—	19, 20	23	0	6, 7	4	0
COLUMBIA.								
Portland, Or	—	—	—	—	—	—	—	—

*Below high water mark of 1874.