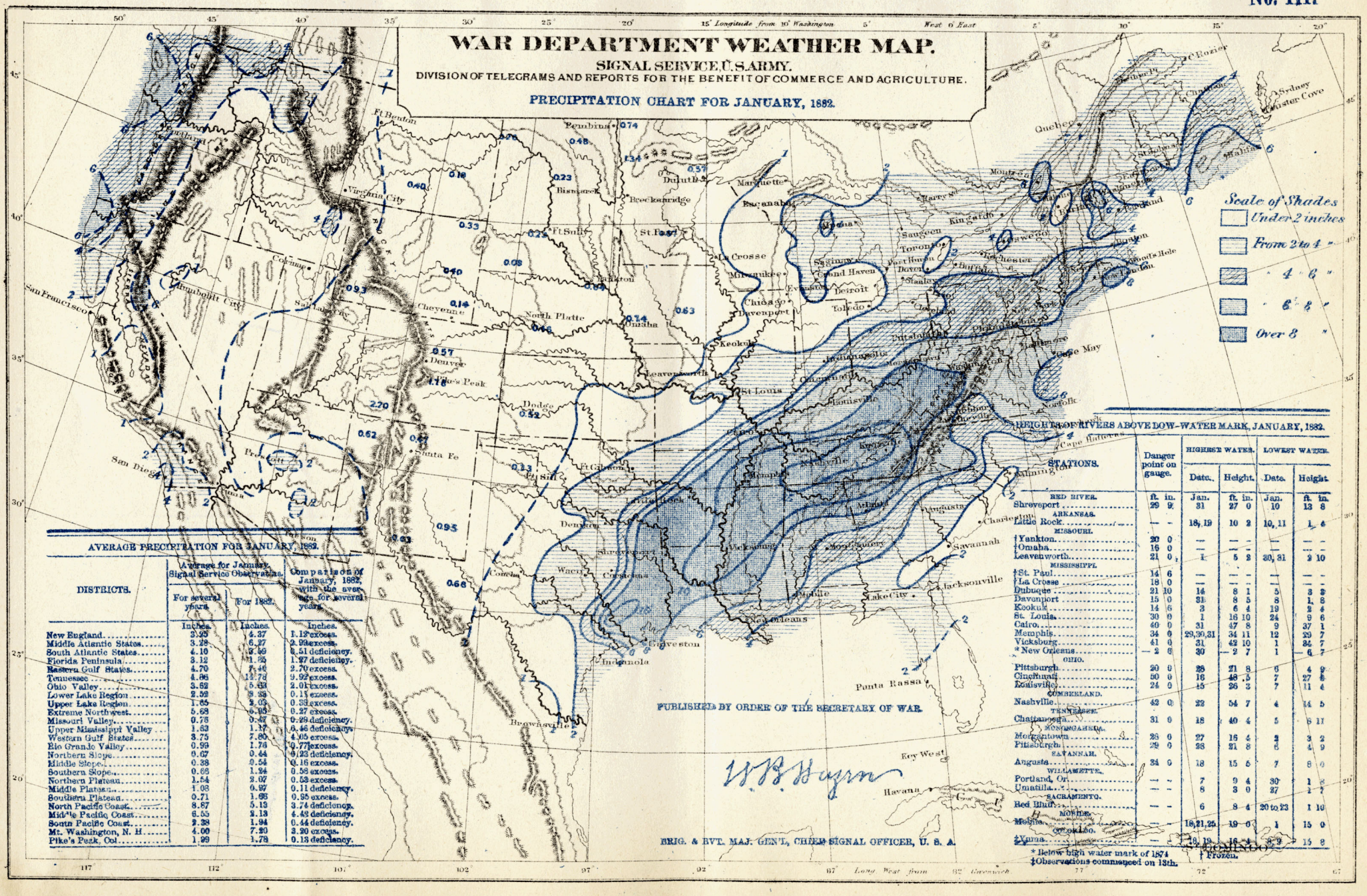
No. III.

WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

PRECIPITATION CHART FOR JANUARY, 1882.



PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

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BRIG. & BVT. MAJ. GEN'L, CHIEF SIGNAL OFFICER, U. S. A.

AVERAGE PRECIPITATION FOR JANUARY, 1882.

DISTRICTS.	Average for January, Signal Service Observations. For several years.	For 1882.	Comparison of January, 1882, with the average for several years.
	Inches.	Inches.	Inches.
New England	3.25	4.37	1.12 excess.
Middle Atlantic States	3.28	6.27	2.99 excess.
South Atlantic States	4.10	3.59	0.51 deficiency.
Florida Peninsula	3.12	1.85	1.27 deficiency.
Eastern Gulf States	4.70	7.40	2.70 excess.
Tennessee	4.06	13.98	9.92 excess.
Ohio Valley	3.52	5.53	2.01 excess.
Lower Lake Region	2.52	2.63	0.11 excess.
Upper Lake Region	1.65	2.03	0.38 excess.
Extreme Northwest	5.68	5.95	0.27 excess.
Missouri Valley	0.76	0.47	0.29 deficiency.
Upper Mississippi Valley	1.63	1.17	0.46 deficiency.
Western Gulf States	3.75	7.80	4.05 excess.
Rio Grande Valley	0.99	1.76	0.77 excess.
Northern Slope	0.67	0.44	0.23 deficiency.
Middle Slope	0.38	0.54	0.16 excess.
Southern Slope	0.66	1.24	0.58 excess.
Northern Plateau	1.54	2.07	0.53 excess.
Middle Plateau	1.08	0.97	0.11 deficiency.
Southern Plateau	0.71	1.66	0.95 excess.
North Pacific Coast	8.87	5.13	3.74 deficiency.
Middle Pacific Coast	6.55	2.13	4.42 deficiency.
South Pacific Coast	2.38	1.94	0.44 deficiency.
Mt. Washington, N. H.	4.00	7.20	3.20 excess.
Pike's Peak, Col.	1.99	1.78	0.13 deficiency.

HEIGHT OF RIVERS ABOVE LOW-WATER MARK, JANUARY, 1882.

STATIONS.	Danger point on gauge.		Highest water. Date.	Highest water. Height.		Lowest water. Date.	Lowest water. Height.	
	ft.	in.	Jan.	ft.	in.	Jan.	ft.	in.
RED RIVER.								
Shreveport	29	9	31	27	0	10	13	8
ARKANSAS.								
Little Rock	—	—	18, 19	10	2	10, 11	1	4
MISSOURI.								
‡Yankton	20	0	—	—	—	—	—	—
Omaha	16	0	—	—	—	—	—	—
Leavenworth	21	0	1	5	2	30, 31	2	10
MISSISSIPPI.								
‡St. Paul	14	6	—	—	—	—	—	—
La Crosse	18	0	—	—	—	—	—	—
Dubuque	21	10	14	8	1	5	3	2
Davenport	15	0	31	8	5	8	1	8
Keokuk	14	6	3	6	4	19	2	4
St. Louis	30	0	1	16	10	24	9	6
Cairo	40	0	31	47	8	9	37	1
Memphis	34	0	29, 30, 31	34	11	12	29	7
Vicksburg	41	0	31	42	10	1	34	7
* New Orleans	—	2	30	—	2	7	1	— 6 7
OHIO.								
Pittsburgh	20	0	26	21	8	6	4	9
Cincinnati	50	0	16	48	5	7	27	8
Louisville	24	0	15	26	3	7	11	4
CUMBERLAND.								
Nashville	42	0	22	54	7	4	14	5
TENNESSEE.								
Chattanooga	31	0	18	40	4	5	6	11
MONONGAHELA.								
Morgantown	25	0	27	16	4	2	3	2
Pittsburgh	29	0	26	21	8	6	4	9
SAVANNAH.								
Augusta	34	0	18	15	5	7	8	0
WILLAMETTE.								
Portland, Or.	—	—	7	9	4	30	1	8
Umatilla	—	—	8	3	0	27	1	7
SACRAMENTO.								
Red Bluff	—	—	6	8	4	20 to 23	1	10
MOBILE.								
Mobile	—	—	18, 21, 25	19	0	1	15	0
COLORADO.								
‡Yuma	—	—	18, 19	16	4	8, 9	15	8

* Below high water mark of 1874.
† Frozen.
‡ Observations commenced on 13th.