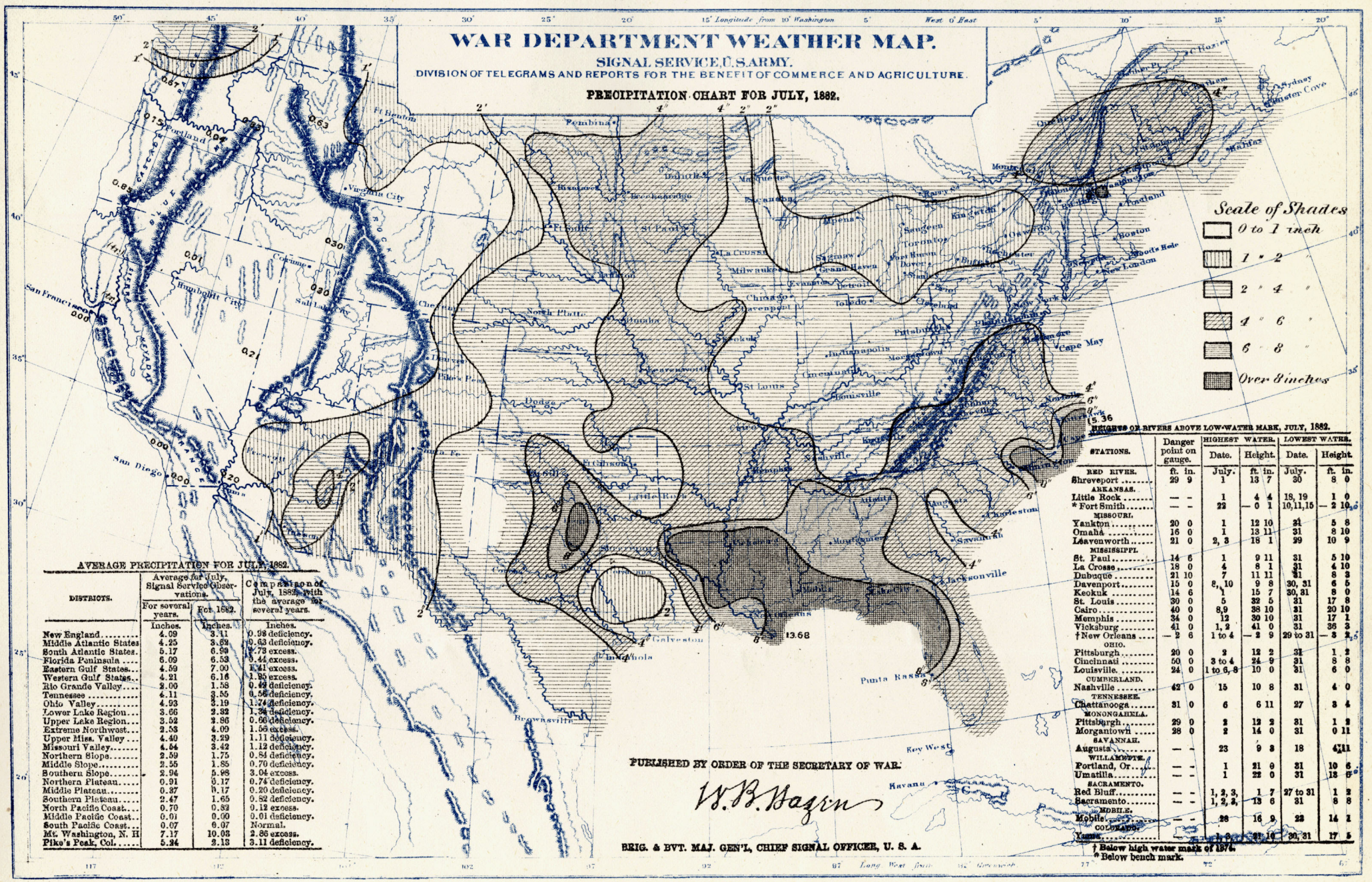
WAR DEPARTMENT WEATHER MAP.

SIGNAL SERVICE, U. S. ARMY.

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

PRECIPITATION CHART FOR JULY, 1882.



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

AVERAGE PRECIPITATION FOR JULY, 1882.

DISTRICTS.	Average for July, Signal Service Observations. For several years.	For 1882.	Comparison of July, 1882, with the average for several years.
	Inches.	Inches.	Inches.
New England	4.09	3.11	0.98 deficiency.
Middle Atlantic States	4.25	3.62	0.63 deficiency.
South Atlantic States	5.17	6.90	1.73 excess.
Florida Peninsula	6.09	6.53	0.44 excess.
Eastern Gulf States	4.59	7.00	2.41 excess.
Western Gulf States	4.21	6.16	1.95 excess.
Rio Grande Valley	2.00	1.58	0.42 deficiency.
Tennessee	4.11	3.55	0.56 deficiency.
Ohio Valley	4.93	3.19	1.74 deficiency.
Lower Lake Region	3.66	2.32	1.34 deficiency.
Upper Lake Region	3.52	2.86	0.66 deficiency.
Extreme Northwest	2.53	4.09	1.56 excess.
Upper Miss. Valley	4.40	3.29	1.11 deficiency.
Missouri Valley	4.54	3.42	1.12 deficiency.
Northern Slope	2.59	1.75	0.84 deficiency.
Middle Slope	2.55	1.85	0.70 deficiency.
Southern Slope	2.94	5.98	3.04 excess.
Northern Plateau	0.91	0.17	0.74 deficiency.
Middle Plateau	0.37	0.17	0.20 deficiency.
Southern Plateau	2.47	1.65	0.82 deficiency.
North Pacific Coast	0.70	0.82	0.12 excess.
Middle Pacific Coast	0.01	0.00	0.01 deficiency.
South Pacific Coast	0.07	0.07	Normal.
Mt. Washington, N. H	7.17	10.03	2.86 excess.
Pike's Peak, Col.	5.24	2.13	3.11 deficiency.

HEIGHTS OF RIVERS ABOVE LOW-WATER MARK, JULY, 1882.

STATIONS.	Danger point on gauge.	HIGHEST WATER. Date.	Height.	LOWEST WATER. Date.	Height.
	ft. in.	July.	ft. in.	July.	ft. in.
RED RIVER.					
Shreveport	29 9	1	13 7	30	8 0
ARKANSAS.					
Little Rock	— -	1	4 4	18, 19	1 0
* Fort Smith	— -	22	— 0 1	10,11,15	— 2 10
MISSOURI.					
Yankton	20 0	1	12 10	31	5 8
Omaha	16 0	1	13 11	31	8 10
Leavenworth	21 0	2, 3	18 1	29	10 9
MISSISSIPPI.					
St. Paul	14 6	1	9 11	31	5 10
La Crosse	18 0	4	8 1	31	4 10
Dubuque	21 10	7	11 11	31	8 3
Davenport	15 0	8, 10	9 8	30, 31	6 5
Keokuk	14 6	1	15 7	30, 31	8 0
St. Louis	30 0	5	32 5	31	17 8
Cairo	40 0	8,9	38 10	31	20 10
Memphis	34 0	12	30 10	31	17 1
Vicksburg	41 0	1, 2	41 0	31	36 3
† New Orleans	— 2 6	1 to 4	— 2 9	29 to 31	— 3 2
OHIO.					
Pittsburgh	20 0	2	12 2	31	1 2
Cincinnati	50 0	3 to 4	24 9	31	8 8
Louisville	24 0	1 to 6, 8	10 0	31	6 0
CUMBERLAND.					
Nashville	42 0	15	10 8	31	4 0
TENNESSEE.					
Chattanooga	31 0	6	6 11	27	3 4
MONONGAHELA.					
Pittsburgh	29 0	2	12 2	31	1 2
Morgantown	28 0	2	14 0	31	0 11
SAVANNAH.					
Augusta	— -	23	9 3	18	4 11
WILLAMETTE.					
Portland, Or.	— -	1	21 0	31	10 6
Umatilla	— -	1	22 0	31	13 6
SACRAMENTO.					
Red Bluff	— -	1, 2, 3,	1 7	27 to 31	1 2
Sacramento	— -	1, 2, 3,	13 6	31	8 8
MOBILE.					
Mobile	— -	28	16 9	23	14 2
COLUMBIA.					
Kanawha	[illegible]	[illegible]	[illegible]	30, 31	17 5

† Below high water mark of 1874.
* Below bench mark.